



EMPIRE ENERGY GROUP LIMITED
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(ASX: EEG)

ASX Announcement – Petroleum Tenements

29 March 2018

PETROLEUM TENEMENTS HELD

Pursuant to ASX Listing Rules 5.37 and 5.4.3 the Company is required to provide a listing of petroleum tenements held by the Company and its subsidiaries.

Attached is a report listing all petroleum tenements held by the Company and its subsidiaries as at 31 December 2017. Given the size of the report (66 pages) the Company has elected to disclose this report as a separate announcement and will reference this announcement in the Company's future Annual and Quarterly Reports.

ABOUT EMPIRE ENERGY GROUP LIMITED

Empire Energy is a conventional oil and natural gas producer with operations in Appalachia (New York and Pennsylvania) and the MidCon (Kansas and Oklahoma). In addition, Empire Energy holds approximately 405,000 acres (gross) of Marcellus and Utica shale in New York State, US.

In 2010, Imperial secured approximately 14.5 million acres in the McArthur Basin, Northern Territory. This area is highly prospective for conventional and unconventional hydrocarbon resources. Work undertaken by the Company over the past 7 years demonstrates that the Central Trough of the McArthur Basin is a major Proterozoic depo-center that forms one segment of a series of extensive world class proven prolific hydrocarbon basins extending through Oman, Siberia and China, all of which contain resources of many billions of barrels of oil equivalent.

2017 Land Holding

EMPIRE ENERGY GROUP LIMITED - OIL AND GAS TENEMENTS (USA)

<u>State</u>	<u>Contract/ Deed Type</u>	<u>Operator</u>	<u>Empire ID</u>	<u>NRI</u>	<u>WI</u>	<u>Acres</u>	<u>Maturity</u>	<u>Status</u>	<u>Formation</u>
NY	Minerals	Empire Energy E&P, LLC	310030025	1.0000	1.0000	44.3	N/A	Fee	All Horizons
NY	Minerals	Empire Energy E&P, LLC	310030026	1.0000	1.0000	9.3	N/A	Fee	All Horizons
NY	Minerals	Empire Energy E&P, LLC	310030027	1.0000	1.0000	0.7	N/A	Fee	All Horizons
NY	O&G	Empire Energy E&P, LLC	310030028	0.8750	1.0000	24.3	20/01/2019	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310030030	0.8750	1.0000	24.3	7/02/2019	Leased, DelayRental	All Horizons
NY	Minerals	Empire Energy E&P, LLC	310030033	1.0000	1.0000	16	N/A	Fee	All Horizons
NY	O&G	Empire Energy E&P, LLC	310030035	0.8750	1.0000	211.99	28/07/2020	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090002	0.8488	1.0000	185.16	9/02/1985	HBP, Producing	Below BTM Med Whirl
NY	O&G	Empire Energy E&P, LLC	310090003	0.8488	1.0000	127.85	13/10/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090004	0.8488	1.0000	55.83	16/08/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090005	0.8488	1.0000	241.04	12/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090006	0.8488	1.0000	73.3	5/01/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090011	0.8488	1.0000	255	18/06/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090014	0.8488	1.0000	335	28/03/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090015	0.8488	1.0000	1.71	22/02/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090017	0.8488	1.0000	480	24/03/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090018	0.8222	1.0000	7.13	12/12/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090019	0.8222	1.0000	51.65	28/02/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090020	0.8100	1.0000	320	28/02/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090021	0.8222	1.0000	8.14	13/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090023	0.8222	1.0000	110	12/12/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090024	0.8222	1.0000	917.35	13/09/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090025	0.8488	1.0000	7.37	15/01/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090026	0.8488	1.0000	79.5	3/11/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090027	0.8488	1.0000	13.16	28/12/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090028	0.8222	1.0000	66.95	1/03/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090029	0.8222	1.0000	106.9	26/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090030	0.8222	1.0000	189	1/03/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090031	0.8222	1.0000	11.14	28/02/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090032	0.8222	1.0000	201	9/03/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090034	0.8222	1.0000	51.72	30/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090035	0.8488	1.0000	54	20/08/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090036	0.8488	1.0000	1.47	16/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090038	0.8488	1.0000	2	23/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090039	0.8488	1.0000	6.2	23/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090040	0.8488	1.0000	4.7	26/04/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090041	0.8488	1.0000	33.88	11/01/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090042	0.8488	1.0000	5.5	23/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090044	0.8222	1.0000	102.11	2/12/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090045	0.8488	1.0000	3.36	24/05/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090047	0.8488	1.0000	130	9/02/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090048	0.8488	1.0000	55.88	18/10/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090049	0.8488	1.0000	11.24	17/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090052	0.8488	1.0000	1.49	22/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090075	0.8184	1.0000	70	19/09/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090076	0.8488	1.0000	63	30/09/2000	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090077	0.8488	1.0000	160	14/01/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090078	0.8488	1.0000	220	28/10/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090079	0.8488	1.0000	275	10/10/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090080	0.8488	1.0000	65.15	12/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090081	0.8488	1.0000	5.87	8/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090082	0.8488	1.0000	2.11	27/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090083	0.8488	1.0000	40	19/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090084	0.8488	1.0000	15	29/04/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090085	0.8488	1.0000	150.79	21/04/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090086	0.8488	1.0000	98	2/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090087	0.8488	1.0000	16.85	6/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090088	0.8488	1.0000	74	19/05/1982	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310090089	0.8488	1.0000	38	22/05/1982	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310090090	0.8488	1.0000	80.3	1/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090091	0.8488	1.0000	4	1/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090092	0.8488	1.0000	7	2/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090093	0.8488	1.0000	32	9/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090094	0.8488	1.0000	102.2	18/04/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090095	0.8488	1.0000	76.74	18/04/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090096	0.8488	1.0000	5	16/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090097	0.8488	1.0000	82.1	21/04/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090098	0.8488	1.0000	11.87	1/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090099	0.8488	1.0000	2.57	28/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090100	0.8488	1.0000	121	21/05/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090101	0.8488	1.0000	130	16/11/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090102	0.8488	1.0000	152.38	3/09/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090103	0.8488	1.0000	44.33	19/10/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090105	0.8488	1.0000	95	16/07/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090106	0.8488	1.0000	48	23/05/1991	HBP, Producing	All Horizons

2017 Land Holding

NY	O&G	Empire Energy E&P, LLC	310090107	0.8488	1.0000	92.6	30/09/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090108	0.8488	1.0000	75	30/09/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090109	0.8488	1.0000	80	16/07/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090110	0.8488	1.0000	100	10/07/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090111	0.8488	1.0000	188.46	5/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090113A	0.8488	1.0000	260.18	30/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090115	0.8488	1.0000	106	27/07/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090116	0.8488	1.0000	179.26	27/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090118	0.8488	1.0000	108	5/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090119	0.8488	1.0000	4.85	5/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090121	0.8488	1.0000	0.683	11/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090122	0.8488	1.0000	1.78	5/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090123	0.8488	1.0000	1.49	8/11/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090125	0.8488	1.0000	106.06	17/04/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090127	0.8488	1.0000	143	11/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090128	0.8488	1.0000	63	16/02/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090130	0.8488	1.0000	117.69	20/06/1995	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090132	0.8488	1.0000	107	21/05/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090133	0.8488	1.0000	156	17/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090134	0.8488	1.0000	177	16/03/1982	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310090135	0.8488	1.0000	263	16/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090136	0.8488	1.0000	158	27/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090148	0.8184	0.2125	158.25	17/07/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090149	0.8184	0.2125	63.86	3/08/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090150	0.8184	1.0000	61	5/08/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090151	0.8184	0.2125	137.24	12/08/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090152	0.8184	0.2125	140.62	12/08/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090153	0.8184	0.2125	100	28/08/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090154	0.8184	0.2125	90	24/08/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090155	0.8488	0.2125	349	31/08/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090156	0.7760	0.2125	125	16/09/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090157	0.7760	0.2125	103	16/09/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090158	0.7760	0.2125	35	10/09/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090159	0.7760	0.2125	4.27	18/09/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090160	0.7796	1.0000	121	26/09/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090161	0.7796	0.2125	169.8	26/01/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090162	0.7760	0.2124	52.73	5/10/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090163	0.7796	1.0000	160	6/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090164	0.7760	0.2125	112.25	8/10/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090165	0.7760	1.0000	126	6/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090166	0.7760	1.0000	135	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090167	0.7919	1.0000	75	6/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090168	0.7760	1.0000	135.44	10/10/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090169	0.7760	0.2125	107	10/10/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090170	0.8488	1.0000	237	12/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090171	0.7760	0.2125	134	15/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090172	0.7760	0.2125	110	15/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090173	0.7919	1.0000	97	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090174	0.7796	1.0000	97	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090175	0.7796	1.0000	53	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090176	0.7922	1.0000	170	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090177	0.7922	1.0000	144	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090178	0.7760	1.0000	99	21/10/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090179	0.7760	0.2125	53.84	20/10/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090180	0.7760	1.0000	163	9/11/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090181	0.7796	1.0000	109	20/11/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090182	0.7760	0.2125	102	16/10/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090183	0.8184	1.0000	475.61	29/01/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090184	0.7922	1.0000	35.09	1/04/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090185	0.7796	1.0000	4	27/04/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090186	0.7922	1.0000	120	29/06/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090188	0.8222	1.0000	12.4	22/12/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090189	0.8222	1.0000	4	22/12/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090190	0.7760	0.2125	15	18/07/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090191	0.7760	0.2124	3.3	29/03/1988	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090192	0.7760	0.2124	3.3	28/03/1988	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090193	0.7834	1.0000	606	27/03/1975	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090194	0.8488	1.0000	160	1/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090195	0.8100	1.0000	54.5	3/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090196	0.8100	1.0000	179	2/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090197	0.8100	1.0000	136	9/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090198	0.7796	0.2125	100	9/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090200	0.8100	1.0000	140	13/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090201	0.8100	1.0000	175	13/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090202	0.7796	1.0000	69.6	13/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090203	0.7796	1.0000	33	14/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090204	0.8100	1.0000	54.5	14/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090205	0.7760	0.2125	160	15/03/1982	HBP, Producing	100% Shallow 50%Deep

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NY	O&G	Empire Energy E&P, LLC	310090206	0.8100	1.0000	160	15/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090207	0.7796	1.0000	74	15/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090208	0.7796	1.0000	72	20/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090209	0.8100	1.0000	171	20/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090210	0.8100	1.0000	117	20/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090211	0.7796	1.0000	100	20/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090212	0.7760	0.2125	445	21/03/1975	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090213	0.7919	1.0000	137	28/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090214	0.8100	1.0000	147	28/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090215	0.7796	1.0000	205	8/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090216	0.7796	1.0000	118	16/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090217	0.7916	1.0000	17.6	4/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090218	0.7796	1.0000	88	3/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090219	0.7916	1.0000	74	2/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090220	0.7796	1.0000	142	3/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090221	0.7919	1.0000	94	9/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090222	0.7796	1.0000	97	8/05/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090223	0.8222	0.1250	160	15/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090224	0.7922	1.0000	6	15/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090225	0.8222	1.0000	70.5	18/09/1977	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090226	0.7952	1.0000	97	31/01/1989	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090227	0.7916	1.0000	26	11/12/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090228	0.7760	0.2125	164	12/12/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090229	0.7919	1.0000	21	12/12/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090230	0.7919	1.0000	37	12/12/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090231	0.8122	1.0000	10	30/09/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090232	0.8100	1.0000	160	10/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090233	0.8184	1.0000	122	1/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090243	0.8488	1.0000	114.73	10/06/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090244	0.8488	1.0000	255.88	1/06/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090247	0.8488	1.0000	3.65	20/11/1982	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090248	0.8488	1.0000	97	28/02/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090249	0.8488	1.0000	42	22/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090251	0.8488	1.0000	706.9	19/10/1998	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090252	0.9700	1.0000	256	6/02/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090253	0.9700	1.0000	110	6/02/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090254	0.9700	1.0000	223	28/04/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090255	0.8488	1.0000	91	12/11/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090256	0.8488	1.0000	21	9/12/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090257	0.8488	1.0000	1	9/12/1993	HBP, Producing	Shallow Only Unspcfd
NY	O&G	Empire Energy E&P, LLC	310090258	0.8488	1.0000	8	2/06/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090259	0.8488	1.0000	4.89	5/11/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090260	0.8488	0.2500	8.83	24/09/1995	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090261	0.8488	1.0000	353	27/03/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090262	0.9700	1.0000	155	12/10/2099	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090263	0.8488	1.0000	35.5	27/01/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090264	0.8488	1.0000	105.35	27/01/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090265	0.8488	1.0000	153.15	31/10/1992	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090266	0.8488	1.0000	66.3	27/01/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090267	0.8488	1.0000	131.9	27/01/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090268	0.8488	1.0000	27	10/07/1992	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090269	0.8488	1.0000	415	6/07/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090270	0.8488	1.0000	159.05	19/05/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090271	0.9700	1.0000	215	25/10/2099	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090272	0.8488	1.0000	2.75	4/12/1992	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090273	0.8924	0.5000	41	28/09/2005	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090274	0.8924	0.5000	30.28	27/09/2005	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090275	0.8488	0.5000	4.59	21/06/2003	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090276	0.8488	0.5000	237	16/05/2006	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090277	0.8924	1.0000	9.5	26/09/2005	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090278	0.8924	1.0000	6.25	3/10/2005	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310090280	0.8488	1.0000	103	25/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090281	0.8184	1.0000	105	16/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090282	0.8184	1.0000	328.6	17/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090283	0.8184	1.0000	119.5	15/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090284	0.8184	1.0000	435.95	16/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090285	0.8184	1.0000	70.22	23/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090286	0.8184	1.0000	207.7	29/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090287	0.8184	1.0000	141.9	29/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090288	0.8184	1.0000	641.66	30/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090289	0.8184	1.0000	242.65	30/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090290	0.8184	1.0000	167.04	29/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090291	0.8184	1.0000	21.9	13/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090292	0.8184	1.0000	111.45	13/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090293	0.8184	1.0000	4.35	13/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090295	0.8184	1.0000	97.2	21/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090296	0.8184	1.0000	275.46	21/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090298A	0.8184	1.0000	124.1	2/05/2025	Leased, DelayRental	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310090299A	0.8184	1.0000	153.06	3/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090300	0.8184	1.0000	238.31	2/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090301	0.8184	1.0000	251.42	2/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090302	0.8184	1.0000	96.3	11/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090303	0.8184	1.0000	85.05	11/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090305	0.8184	1.0000	55.81	17/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090306	0.8184	1.0000	107.39	21/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090307	0.8184	1.0000	142.28	22/06/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090308	0.8184	1.0000	132.29	8/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090309	0.8184	1.0000	77.7	8/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090310	0.8184	1.0000	206.97	8/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090311	0.8184	1.0000	95.8	9/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090312	0.8184	1.0000	269.05	16/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090313	0.8184	1.0000	432.51	26/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090315	0.8184	1.0000	168.23	3/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090316	0.8184	1.0000	171.14	10/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090317	0.8184	1.0000	217.9	10/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090318	0.8184	1.0000	145.84	11/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090319	0.8184	1.0000	50.96	11/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090320	0.8184	1.0000	122.3	19/05/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090321A	0.8184	1.0000	391.37	22/06/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090322	0.8184	1.0000	245.5	30/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090323	0.8184	1.0000	344.95	5/04/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090325	0.8184	1.0000	55.35	22/06/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090327	0.8184	1.0000	77.67	16/02/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090329	0.8184	1.0000	202.41	16/03/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090332	0.8488	1.0000	28.76	25/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090333	0.8488	1.0000	23.21	25/08/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090334	0.8488	1.0000	57.62	12/10/2019	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090339	0.8488	1.0000	21.64	18/04/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090340	0.8488	1.0000	153.9	18/04/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090345	0.8488	1.0000	99.5	23/05/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090346	0.8488	1.0000	122.44	23/05/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090348	0.8488	1.0000	302.24	23/05/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090374	0.8488	1.0000	83.35	21/06/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090438	0.8184	1.0000	120	22/09/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090440	0.8488	1.0000	129.8	30/08/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090441	0.8488	1.0000	111.4	30/08/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090442	0.8488	1.0000	207.2	30/08/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090443	0.8488	1.0000	201	30/08/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090444	0.8488	1.0000	136.15	30/08/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090452	0.8488	1.0000	104.44	7/09/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090461	0.8184	1.0000	15	22/09/2025	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090462	0.8488	1.0000	195.8	26/09/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090482	0.8488	1.0000	60.15	21/10/2026	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090495	0.8488	1.0000	139.85	29/11/2026	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090536	0.8488	1.0000	54	27/03/2071	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090538	0.7760	0.2125	2.75	28/03/1988	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090539	0.7760	0.2125	3	29/03/1988	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090540	0.7760	0.2125	4.2	29/03/1988	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090541	0.8488	1.0000	101	28/03/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310090552	0.8750	1.0000	196	5/05/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310090554	0.8750	1.0000	143	11/02/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090555	0.8750	1.0000	151	18/04/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090556	0.8750	1.0000	42	16/02/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090557	0.8750	1.0000	297.00	13/07/1935	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090558	0.8750	1.0000	203.04	23/06/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090559	0.8750	1.0000	308.00	2/08/1998	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090560	0.8750	1.0000	98.00	18/09/1998	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090561	0.8750	1.0000	88.00	2/06/1997	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090562	0.8750	1.0000	140.00	4/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090563	0.8750	1.0000	8.45	10/06/1997	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090564	0.8750	1.0000	10.27	24/09/1998	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090565	0.8750	1.0000	60.00	28/10/1996	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090566	0.8750	1.0000	60.90	6/08/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090567	0.8750	1.0000	76.20	15/03/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090568	0.8750	1.0000	65.04	15/09/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090569	0.8750	1.0000	117.96	28/08/1996	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090570	0.8750	1.0000	84.00	29/05/1997	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090571	0.8750	1.0000	5.86	29/05/1997	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090572	0.8750	1.0000	140.00	24/06/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090573	0.8750	1.0000	72.00	10/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090574	0.8750	1.0000	230.00	10/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090575	0.8750	1.0000	151.00	4/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090576	0.8750	1.0000	217.00	24/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090577	0.8750	1.0000	46.98	24/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090578	0.8750	1.0000	200.00	29/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090579	0.8750	1.0000	114.00	29/09/1980	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310090580	0.8750	1.0000	202.00	1/12/1973	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090581	0.8750	1.0000	236.00	5/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090582	0.8750	1.0000	56.00	4/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090583	0.8750	1.0000	69.00	3/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090584	0.8750	1.0000	95.93	7/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090585	0.8750	1.0000	2.63	7/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090586	0.8750	1.0000	192.00	28/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090587	0.8750	1.0000	184.00	28/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090588	0.8750	1.0000	106.00	24/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090589	0.8750	1.0000	227.00	30/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090590	0.8750	1.0000	4.00	12/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090591	0.8750	1.0000	200.00	18/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090592	0.8750	1.0000	98.00	18/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090593	0.8750	1.0000	378.00	16/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090594	0.8750	1.0000	88.88	18/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090595	0.8750	1.0000	210.00	3/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090596	0.8750	1.0000	2.00	3/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090597	0.8750	1.0000	119.28	25/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090598	0.8750	1.0000	11.28	21/12/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090599	0.8750	1.0000	225.00	29/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090600	0.8750	1.0000	80.00	25/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090601	0.8750	1.0000	83.76	3/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090602	0.8750	1.0000	106.21	30/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090603	0.8750	1.0000	15.08	14/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090604	0.8750	1.0000	41.00	29/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090605	0.8750	1.0000	372.00	12/07/1973	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090606	0.8750	1.0000	172.00	21/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090607	0.8750	1.0000	99.00	26/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090608	0.8750	1.0000	202.00	29/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090609	0.8750	1.0000	212.78	1/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090610	0.8750	1.0000	11.25	21/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090611	0.8750	1.0000	129.00	29/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090612	0.8750	1.0000	75.00	29/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090613	0.8750	1.0000	153.00	16/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090614	0.8750	1.0000	177.00	24/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090615	0.8750	1.0000	192.00	31/07/1967	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090616	0.8750	1.0000	147.02	5/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090617	0.8750	1.0000	75.00	5/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090618	0.8750	1.0000	57.83	20/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090619	0.8750	1.0000	100.00	2/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090620	0.8750	1.0000	160.00	28/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090621	0.8750	1.0000	111.58	6/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090622	0.8750	1.0000	45.50	29/11/1976	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090623	0.8750	1.0000	184.78	7/08/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090624	0.8750	1.0000	95.69	25/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090625	0.8750	1.0000	200.00	14/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090626	0.8750	1.0000	123.50	30/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090627	0.8750	1.0000	64.47	25/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090628	0.8750	1.0000	250.00	15/05/1976	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090629	0.8750	1.0000	191.00	8/12/1961	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090630	0.8750	1.0000	401.00	28/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090631	0.8750	1.0000	160.00	5/04/1973	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090632	0.8750	1.0000	109.50	1/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090633	0.8750	1.0000	240.00	25/10/1960	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090634	0.8750	1.0000	143.00	27/07/1967	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090635	0.8750	1.0000	100.00	12/06/1973	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090636	0.8750	1.0000	204.68	18/08/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090637	0.8750	1.0000	138.24	30/06/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090638	0.8750	1.0000	211.00	4/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090639	0.8750	1.0000	8.65	28/09/1998	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090640	0.8750	1.0000	250.00	15/05/1976	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090641	0.8750	1.0000	90.00	3/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090642	0.8750	1.0000	4.20	20/05/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090643	0.8750	1.0000	155.00	24/08/2000	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090644	0.8750	1.0000	118.00	26/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090645	0.8750	1.0000	412.00	9/05/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090646	0.8750	1.0000	141.60	17/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090647	0.8750	1.0000	24.19	28/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090648	0.8750	1.0000	344.00	21/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090649	0.8750	1.0000	234.17	3/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090650	0.8750	1.0000	250.00	14/02/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090651	0.8750	1.0000	262.50	25/05/1964	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090652	0.8750	1.0000	85.27	20/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090653	0.8750	1.0000	200.00	2/06/1926	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090654	0.8750	1.0000	47.30	11/01/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090655	0.8750	1.0000	64.00	11/07/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090656	0.8750	1.0000	1.50	26/09/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090657	0.8750	1.0000	250.00	14/02/1991	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310090658	0.8750	1.0000	160.00	23/08/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090659	0.8750	1.0000	131.42	27/08/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090660	0.8750	1.0000	6.60	9/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090661	0.8750	1.0000	401.00	7/01/1974	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090662	0.8750	1.0000	4.98	6/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090663	0.8750	1.0000	17.83	21/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090664	0.8750	1.0000	11.25	21/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090665	0.8750	1.0000	77.01	11/11/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090666	0.8750	1.0000	4.35	19/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090667	0.8750	1.0000	11.58	10/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090668	0.8750	1.0000	6.86	29/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090669	0.8750	1.0000	6.30	29/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090670	0.8750	1.0000	262.00	12/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090671	0.8750	1.0000	132.00	28/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090672	0.8750	1.0000	184.00	28/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090673	0.8750	1.0000	12.50	9/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090674	0.8750	1.0000	122.00	23/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090675	0.8750	1.0000	15.61	1/02/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090676	0.8750	1.0000	37.45	12/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090677	0.8750	1.0000	94.95	30/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090678	0.8750	1.0000	2.49	16/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090679	0.8750	1.0000	1.23	6/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090680	0.8750	1.0000	34.01	27/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090681	0.8750	1.0000	16.34	24/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090682	0.8750	1.0000	85.27	20/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090683	0.8750	1.0000	4.44	28/11/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090684	0.8750	1.0000	105.00	7/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090685	0.8750	1.0000	9.30	23/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090686	0.8750	1.0000	132.00	28/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090687	0.8750	1.0000	23.35	22/02/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090688	0.8750	1.0000	375.00	29/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090689	0.8750	1.0000	415.00	9/05/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090690	0.8750	1.0000	127.00	25/07/1967	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090691	0.8750	1.0000	31.08	24/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090692	0.8750	1.0000	94.95	26/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090693	0.8750	1.0000	132.00	28/11/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090694	0.8750	1.0000	9.77	3/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090695	0.8750	1.0000	15.00	4/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090696	0.8750	1.0000	4.77	26/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090697	0.8750	1.0000	87.29	21/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310090698	0.8750	1.0000	65.00	20/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110073	0.8488	1.0000	113.4	11/12/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110128	0.8488	1.0000	4	11/12/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110238	0.8148	1.0000	327.3	10/06/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110254	0.8488	1.0000	63.02	12/06/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110255	0.8488	1.0000	122.3	19/06/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110262	0.8488	1.0000	97	16/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110263	0.8488	1.0000	7.9	17/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110264	0.8488	1.0000	15	18/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110266	0.8488	1.0000	1.8	18/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110267	0.8488	1.0000	4	20/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110268	0.8488	1.0000	2.1	24/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110269	0.8488	1.0000	152.62	1/03/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110270	0.8488	1.0000	1.2	5/03/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110295	0.8488	1.0000	12.6	27/04/2024	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110299	0.8488	1.0000	66.31	25/01/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110304	0.8488	1.0000	122	24/05/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110334	0.8488	1.0000	1	19/06/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110343	0.8488	1.0000	1.05	9/07/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110358	0.8488	1.0000	10.15	31/07/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110361A	0.8488	1.0000	50	27/07/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110465	0.8488	1.0000	119	1/04/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110502	0.8488	1.0000	1	24/05/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110503	0.8488	1.0000	30.24	28/06/2105	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110504	0.8488	1.0000	1.8	28/06/2105	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110506	0.8488	1.0000	1.01	28/06/2105	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110516	0.8488	1.0000	65.4	28/04/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110526	0.8488	1.0000	2.4	22/05/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110529	0.8488	1.0000	2.09	20/06/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310110532	0.8488	1.0000	1.01	5/06/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130001	0.8488	1.0000	87.5	8/07/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130002	0.8488	1.0000	11.1	25/08/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130003	0.8488	1.0000	4.4	24/08/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130004	0.8488	1.0000	63	21/09/1989	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130005	0.8488	1.0000	107	20/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130006	0.8488	1.0000	3.12	22/10/1989	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130007	0.8222	1.0000	150	31/05/1985	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130008	0.8488	1.0000	205	31/05/1985	HBP, Producing	Restricted Depths

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NY	O&G	Empire Energy E&P, LLC	310130009	0.8222	0.5500	88	31/05/1985	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130010	0.8488	0.5500	105	31/05/1985	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130011	0.7970	0.1250	4	4/05/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130012	0.8488	0.2125	85	1/03/1986	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310130013	0.7967	0.1250	254	5/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130014	0.7957	0.1250	178.5	23/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130015	0.7970	0.1250	100	23/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130016	0.7957	0.1250	150	23/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130017	0.7957	0.1250	110	24/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130018	0.7970	0.1250	85	4/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130019	0.8488	1.0000	178.2	4/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130020	0.7957	0.1250	103	4/10/1983	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130021	0.8488	1.0000	100	7/08/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130022A	0.8488	0.0242	273	1/02/1990	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130023	0.8083	0.0242	30	15/12/1989	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130024	0.8083	0.0242	25	15/12/1989	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130025	0.8488	1.0000	50.2	9/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130026	0.8488	1.0000	101.1	2/05/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130027	0.8488	1.0000	6.2	27/10/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130028	0.8488	1.0000	102	10/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130029	0.8488	1.0000	34.6	10/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130030	0.8488	1.0000	52.9	20/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130031	0.8488	1.0000	124	31/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130032	0.8488	1.0000	216	7/11/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130033	0.8488	1.0000	35.6	16/01/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130034	0.8488	1.0000	129	19/06/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130035	0.7881	1.0000	365	6/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130036	0.8488	1.0000	32.5	19/12/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130037	0.8488	1.0000	133.9	1/08/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130038	0.8488	1.0000	68.8	29/06/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130039	0.8488	1.0000	13.5	15/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130040	0.8488	1.0000	61.4	1/06/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130041	0.8488	1.0000	27.7	24/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130042	0.8488	1.0000	84.5	22/07/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130043	0.8488	1.0000	164.6	13/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130044	0.8488	1.0000	114.3	13/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130045	0.8488	1.0000	117.8	15/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130046	0.8488	1.0000	198.6	3/06/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130047	0.8488	1.0000	119	15/09/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130048	0.8488	1.0000	108.9	12/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130049	0.8488	1.0000	100		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130050	0.8488	1.0000	38.5	31/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130051	0.8488	1.0000	52.3	29/11/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130052	0.8488	1.0000	45	18/05/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130053	0.8488	1.0000	85.5	3/05/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130054	0.8488	1.0000	35	18/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130055	0.8488	1.0000	31	27/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130056	0.8488	1.0000	127.2	15/08/1980	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130057	0.8488	1.0000	38.4	16/12/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130058	0.8488	1.0000	115.9	23/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130059	0.8488	1.0000	72	19/10/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130060	0.8488	1.0000	4.5	1/05/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130062	0.8488	1.0000	65.5	4/12/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130063	0.8488	1.0000	160	21/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130064	0.8488	1.0000	15.77	20/08/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130065	0.8222	1.0000	47.07	14/09/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130066	0.8222	1.0000	35	11/03/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130067	0.8488	1.0000	100	26/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130068	0.7881	1.0000	212.6	21/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130069	0.8488	1.0000	178.9	7/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130070	0.8488	1.0000	102	6/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130071	0.8488	1.0000	47.4	17/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130072	0.8488	1.0000	64	3/11/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130073	0.8488	1.0000	97	28/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130074	0.8488	1.0000	80.2	7/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130075	0.8488	1.0000	180	9/08/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130076	0.8488	1.0000	98	28/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130077	0.8488	1.0000	2.2	17/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130078	0.7275	1.0000	36.8	14/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130079	0.8488	1.0000	1	24/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130080	0.8488	1.0000	9.4	21/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130081	0.8488	1.0000	2.7	23/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130082	0.8488	1.0000	52.7	21/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130083	0.8488	1.0000	13.3	22/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130084	0.8488	1.0000	29.2	22/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130085	0.8488	1.0000	7.9	24/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130086	0.8488	1.0000	15.6	10/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130087	0.8488	1.0000	34.5	16/11/1979	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130088	0.8488	1.0000	30	4/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130089	0.8488	1.0000	38.3	27/08/1981	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310130090	0.8488	1.0000	11.7	6/02/1982	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310130091	0.8488	1.0000	27.7	30/06/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130092	0.8488	1.0000	1	17/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130093	0.8488	1.0000	65.2	15/06/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130094	0.8488	1.0000	20.1	3/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130095	0.7275	1.0000	25	15/06/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130097	0.8488	1.0000	328	28/02/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130098	0.7881	1.0000	147	3/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130099	0.8488	1.0000	12.9	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130100	0.7881	1.0000	91	12/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130101	0.8488	1.0000	96.5	2/12/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130102	0.8222	1.0000	200	20/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130103	0.7275	1.0000	56.4	10/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130104	0.8488	1.0000	25	10/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130105	0.8488	1.0000	9.6	26/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130106	0.8488	1.0000	1	3/11/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130107	0.8488	1.0000	65.5	9/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130108	0.8488	1.0000	7	16/03/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130109	0.7881	1.0000	1.5	15/03/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130110	0.7881	1.0000	10	15/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130111	0.7881	1.0000	28.9	14/11/1975	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130112	0.8488	1.0000	2.6	27/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130113	0.7881	1.0000	8.5	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130114	0.8488	1.0000	3.1	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130115	0.8488	1.0000	11.5	20/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130116	0.7881	1.0000	2.9	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130117	0.8488	1.0000	59	28/05/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130118	0.8488	1.0000	72	14/04/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130119	0.8488	1.0000	70.3	11/09/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130120	0.8488	1.0000	65	16/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130121	0.8488	1.0000	5	12/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130122	0.8488	1.0000	1	10/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130123	0.8488	1.0000	93.6	25/08/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130124	0.8488	1.0000	18.5	31/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130125	0.8488	1.0000	15	11/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130126	0.8488	1.0000	42	25/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130127	0.8488	1.0000	113.2	30/12/1976	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130128	0.8488	1.0000	20	30/09/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130129	0.8488	1.0000	1.1	27/09/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130130	0.8488	1.0000	2.8	27/09/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130131	0.8488	1.0000	1	24/09/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130132	0.7881	1.0000	23.1	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130133	0.7881	1.0000	1	24/05/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130134	0.8488	1.0000	41.3	30/04/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130135	0.8222	1.0000	138.9	29/06/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130136	0.8488	1.0000	4.58	1/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130137	0.7275	1.0000	19.6	29/11/1981	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310130138	0.8488	1.0000	41.06	20/05/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130139	0.8222	1.0000	97	21/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130140	0.8488	1.0000	6	23/11/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130141	0.8488	1.0000	46.9	20/04/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130142	0.8488	1.0000	39.6	21/04/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130143	0.8488	1.0000	20.3	26/04/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130144	0.8488	1.0000	62.6	26/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130145	0.8488	1.0000	18.4	26/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130146	0.8488	1.0000	3.8	31/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130147	0.8488	1.0000	3	30/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130148	0.8488	1.0000	10	31/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130149	0.8488	1.0000	69.6	8/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130150	0.8488	1.0000	106	2/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130151	0.7881	1.0000	139	10/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130153	0.7881	1.0000	194	6/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130154	0.7275	1.0000	80	9/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130155	0.8488	1.0000	75	26/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130157	0.7881	1.0000	111	3/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130158	0.7881	1.0000	25	4/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130159	0.7881	1.0000	211	3/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130160	0.7881	1.0000	100	10/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130161	0.8488	1.0000	4.7	23/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130162	0.8488	1.0000	45.6	13/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130163	0.8488	1.0000	45	11/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130164	0.8222	1.0000	50	17/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130165	0.7881	1.0000	98	16/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130166	0.7881	1.0000	105	18/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130167	0.7881	1.0000	1.5	5/05/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130168	0.7881	1.0000	96	6/01/1987	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130169	0.8488	1.0000	168	12/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130170	0.8488	1.0000	29.4	22/07/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130171	0.8488	1.0000	2.9	26/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130172	0.8488	1.0000	21.1	10/11/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130173	0.8488	1.0000	43.8	20/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130174	0.8488	1.0000	3	27/07/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130175	0.8488	1.0000	40.2	6/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130177	0.7881	1.0000	62	15/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130179	0.7881	1.0000	148	15/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130180	0.8488	1.0000	1.5	21/10/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130181	0.7881	1.0000	77	16/11/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130182	0.8488	1.0000	81.7	18/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130183	0.7881	1.0000	265	4/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130184	0.7881	1.0000	227	25/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130185	0.8488	1.0000	5.9	24/02/2003	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130186	0.7881	1.0000	197	26/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130187	0.8488	1.0000	14	13/04/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130188	0.8488	1.0000	14	31/03/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130189	0.7881	1.0000	132	10/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130190	0.8488	1.0000	10	4/12/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130191	0.8488	1.0000	14	15/12/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130192	0.8488	1.0000	4.2	20/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130193	0.8488	1.0000	2.7	20/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130194	0.8488	1.0000	3.7	7/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130195	0.7881	1.0000	203.05	5/10/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130196	0.7881	1.0000	82.6	17/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130197	0.8488	1.0000	200	5/04/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130198	0.8488	1.0000	0.53	9/02/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130199	0.8488	1.0000	2.5	26/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130200	0.7881	1.0000	50	23/02/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130201	0.8184	1.0000	1416	20/08/1975	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130202	0.8488	1.0000	52	8/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130203	0.8488	1.0000	66	12/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130204	0.8488	1.0000	10	17/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130205	0.8488	1.0000	18	6/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130206	0.8488	1.0000	4	15/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130207	0.8488	1.0000	9	5/12/1980	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130208	0.7881	1.0000	124	26/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130209	0.7881	1.0000	10	28/06/1985	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130210	0.8488	1.0000	76	12/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130211	0.8488	1.0000	273.1	21/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130212	0.8488	1.0000	49	22/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130213	0.8222	1.0000	50	7/10/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130214	0.8222	1.0000	30	26/08/1984	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130215	0.8488	1.0000	103.6	22/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130216	0.8184	1.0000	76	7/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130217	0.8488	1.0000	25.6	22/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130218	0.8488	1.0000	50	3/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130219	0.7881	1.0000	196	21/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130220	0.8488	1.0000	1.7	23/04/1980	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130221	0.7275	1.0000	40	14/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130222	0.8222	1.0000	10	19/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130223	0.8222	1.0000	173	21/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130224	0.8222	1.0000	87	28/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130225	0.8222	1.0000	5.7	21/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130226	0.7881	1.0000	100	11/03/1984	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130227	0.8222	1.0000	42	20/06/1974	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130228	0.8488	1.0000	4.6	15/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130229	0.8488	1.0000	35.8	25/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130230	0.8488	1.0000	24.5	18/11/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130231	0.8488	1.0000	36.7	22/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130232	0.8488	1.0000	41	6/08/1977	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130233	0.8488	1.0000	1.5	9/11/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130234	0.8184	1.0000	61.4	25/06/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130235	0.8488	1.0000	16	14/03/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130236	0.8488	1.0000	1.6	10/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130237	0.8222	1.0000	271	26/07/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130238	0.7881	1.0000	89	13/03/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130239	0.8222	1.0000	77	28/06/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130240	0.8488	1.0000	108.6	10/07/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130241	0.8488	1.0000	59.4	10/07/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130242	0.8224	1.0000	456	19/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130243	0.8488	1.0000	5.9	20/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130244	0.8488	1.0000	125.3	10/07/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130245	0.7881	1.0000	252	12/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130246	0.8488	1.0000	137	29/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130247	0.8488	1.0000	50	22/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130248	0.8488	1.0000	93.4	31/12/1990	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130249	0.7881	1.0000	225	15/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130250	0.8488	1.0000	4.7	12/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130251	0.8488	1.0000	28	22/03/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130252	0.8488	1.0000	22	18/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130253	0.8488	1.0000	5	4/11/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130254	0.8488	1.0000	0.77	18/10/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130255	0.8488	1.0000	4.4	5/11/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130256	0.8488	1.0000	5.7	5/11/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130257	0.7881	1.0000	58	28/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130258	0.8488	1.0000	35.2	11/08/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130259	0.8488	1.0000	18	21/07/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130260	0.8488	1.0000	1.4	21/07/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130262	0.8222	1.0000	142	26/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130263	0.8488	1.0000	2.9	10/07/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130264	0.8488	1.0000	73	18/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130265	0.8488	1.0000	128	30/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130266	0.8488	1.0000	71.5	15/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130267	0.8222	1.0000	27.3	7/12/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130268	0.8488	1.0000	87	28/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130269	0.8222	1.0000	2.9	22/12/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130270	0.8488	1.0000	72	16/11/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130271	0.8488	1.0000	85	9/06/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130272	0.8222	1.0000	102.5	15/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130273	0.8488	1.0000	33.8	29/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130274	0.8488	1.0000	4.7	30/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130275	0.8488	1.0000	5.3	29/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130276	0.8488	1.0000	9.3	17/03/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130277	0.8488	1.0000	201.4	20/12/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130278	0.8488	1.0000	1	23/05/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130279	0.8488	1.0000	1.64	25/08/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130280	0.8488	1.0000	14.84	28/12/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130281	0.8488	1.0000	72.87	31/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130282	0.8222	1.0000	60	15/10/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130283	0.8488	1.0000	37.7	8/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130284	0.8488	1.0000	48.3	8/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130285	0.8488	1.0000	17.8	28/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130286	0.8488	1.0000	126.5	15/09/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130287	0.7881	1.0000	165	15/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130288	0.8488	1.0000	50	28/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130289	0.8488	1.0000	31.3	10/04/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130290	0.8488	1.0000	34	24/04/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130291	0.8488	1.0000	25	31/08/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130292	0.8488	1.0000	43	20/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130293	0.8488	1.0000	55	7/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130294	0.8488	1.0000	133.3	22/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130295	0.7881	1.0000	62.5	24/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130296	0.7881	1.0000	136	21/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130297	0.8488	1.0000	32.4	28/04/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130298	0.8488	1.0000	19.6	17/08/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130299	0.8488	1.0000	2	2/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130300	0.8488	1.0000	10	27/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130301	0.8488	1.0000	1	4/12/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130304	0.8222	1.0000	60		HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130305	0.8222	1.0000	215	31/05/1974	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130306	0.8488	1.0000	3.5	18/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130307	0.8488	1.0000	2	10/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130308	0.8488	1.0000	19.8	25/03/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130309	0.7881	1.0000	191	28/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130310	0.7881	1.0000	90	8/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130311	0.8488	1.0000	3	7/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130312	0.8488	1.0000	10.6	16/06/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130313	0.8488	1.0000	1.7	16/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130314	0.8488	1.0000	116	11/04/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130315	0.7881	1.0000	135	14/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130316	0.8488	1.0000	96.879	18/07/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130317	0.8488	1.0000	3	5/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130318	0.8488	1.0000	2	3/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130319	0.8222	1.0000	242	31/05/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130320	0.8222	1.0000	20	19/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130321	0.8222	1.0000	50	26/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130322	0.8184	1.0000	146	7/05/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130323	0.8488	1.0000	281.7	12/02/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130324	0.8222	1.0000	250	14/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130325	0.8222	1.0000	38.2	20/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130326	0.8488	1.0000	2.3	22/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130327	0.8488	1.0000	257	16/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130328	0.8488	1.0000	53.4	7/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130329	0.8488	1.0000	75	11/01/1990	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130330	0.7957	1.0000	56	11/01/1984	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130331	0.8488	1.0000	5	16/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130332	0.8488	1.0000	30	10/02/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130333	0.8488	1.0000	12		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130334	0.8488	1.0000	15.9	3/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130335	0.8488	1.0000	77.9	2/07/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130336	0.8488	1.0000	5.1	23/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130337	0.8488	1.0000	116	24/09/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130338	0.7881	1.0000	109	18/12/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130339	0.7275	1.0000	1.32	12/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130340	0.8095	1.0000	16.7	6/01/2003	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130341	0.8488	1.0000	29.9	18/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130342	0.8488	1.0000	9.2	31/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130343	0.8488	1.0000	9	2/06/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130344	0.8488	1.0000	22.3	9/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130346	0.8488	1.0000	25	15/09/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130347	0.8488	1.0000	185.5	12/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130348	0.8488	1.0000	50	8/09/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130349	0.8488	1.0000	33.5	11/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130350	0.8488	1.0000	92.6	28/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130351	0.8488	1.0000	15.2		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130353	0.8488	1.0000	160	20/06/1974	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130354	0.8222	1.0000	183.5	31/05/1974	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130355	0.7881	1.0000	40	1/09/1983	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130356	0.7881	1.0000	50	2/09/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130357	0.7926	1.0000	6.1	13/03/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130358	0.8488	1.0000	1.9	13/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130359	0.8488	1.0000	0.4	13/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130360	0.8488	1.0000	1.9	13/03/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130361	0.8488	1.0000	4	13/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130362	0.7881	1.0000	31	2/09/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130363	0.7881	1.0000	87	31/07/1974	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130364	0.8488	1.0000	36	11/06/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130365	0.8222	1.0000	60	26/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130366	0.8488	1.0000	49	16/04/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130367	0.8488	1.0000	85	28/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130368	0.7881	1.0000	100	21/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130369	0.7881	1.0000	78	4/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130370	0.8222	1.0000	215	26/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130371	0.8488	1.0000	162	16/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130372	0.8488	1.0000	6.1	14/06/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130373	0.8488	1.0000	20	8/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130374	0.8488	1.0000	7	9/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130375	0.8222	1.0000	77	26/06/1974	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130376	0.8357	1.0000	11.3	31/01/1991	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130377	0.8488	1.0000	9.3	13/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130378	0.8488	1.0000	4.6	12/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130379	0.8488	1.0000	1	4/05/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130380	0.8488	1.0000	1	9/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130381	0.8488	1.0000	1.3	9/05/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130382	0.7881	1.0000	13	14/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130383	0.7881	1.0000	60	6/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130384	0.8488	1.0000	314.5	18/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130385	0.7881	1.0000	135	9/01/1976	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130386	0.7881	1.0000	40.3	4/02/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130387	0.8488	1.0000	3.2	15/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130388	0.8488	1.0000	2.9	15/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130389	0.8488	1.0000	35	15/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130390	0.8488	1.0000	103	15/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130391	0.7881	1.0000	920.2	30/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130392	0.8488	1.0000	170	20/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130393	0.8488	1.0000	125.4	19/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130394	0.8488	1.0000	15.4	10/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130395	0.8488	1.0000	12.7	31/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130396	0.8488	1.0000	40	7/07/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130397	0.8222	1.0000	62.8	15/06/1984	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130398	0.7275	1.0000	135	15/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130399	0.8488	1.0000	135.3	14/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130400	0.8488	1.0000	16	9/03/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130401	0.8488	1.0000	8	27/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130402	0.8488	1.0000	8	3/03/2003	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130403	0.8488	1.0000	50.5	6/09/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130404	0.8488	1.0000	42	11/12/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130405	0.8488	1.0000	13.63	5/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130406	0.8488	1.0000	7.06	5/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130407	0.8488	1.0000	41	26/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130408	0.8222	1.0000	317	28/05/2035	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130410	0.7881	1.0000	89.2	21/01/1986	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130411	0.8488	1.0000	37	13/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130414	0.8488	1.0000	43	29/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130415	0.8488	1.0000	0.49	31/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130416	0.8488	1.0000	321.3	26/10/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130417	0.8488	1.0000	20.2	16/06/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130418	0.8488	1.0000	50	17/04/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130419	0.8488	1.0000	17.8	10/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130420	0.8488	1.0000	85	15/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130421	0.8488	1.0000	3	31/03/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130422	0.8488	1.0000	1.5	8/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130423	0.8488	1.0000	31.2	10/07/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130424	0.8488	1.0000	126	20/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130425	0.8488	1.0000	15	31/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130426	0.8488	1.0000	11	28/02/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130427	0.8222	1.0000	204	14/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130428	0.8222	1.0000	36	14/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130429	0.7881	1.0000	201	19/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130430	0.8488	1.0000	79.3	15/12/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130431	0.8488	1.0000	80	28/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130432	0.8222	1.0000	50	5/03/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130433	0.8488	1.0000	7	4/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130434	0.8488	1.0000	8.7	23/02/2003	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130435	0.8488	1.0000	24	7/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130436	0.8488	1.0000	43.8	8/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130437	0.7881	1.0000	174	3/11/1981	HBP, Producing	Below BTM Med Whirl
NY	O&G	Empire Energy E&P, LLC	310130438	0.8488	1.0000	27.9	19/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130439	0.8488	1.0000	4.3	24/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130440	0.8488	1.0000	7.9	9/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130441	0.8488	1.0000	5.9	6/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130442	0.8488	1.0000	2	3/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130443	0.8488	1.0000	5.1	26/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130444	0.8488	1.0000	3.6	25/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130445	0.8488	1.0000	24.4	28/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130446	0.7881	1.0000	44	24/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130447	0.8222	1.0000	170	14/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130449	0.7881	1.0000	68	18/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130450	0.8488	1.0000	0.3	30/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130451	0.8488	1.0000	18	4/10/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130452	0.8488	1.0000	31	11/06/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130453	0.8488	1.0000	71.5	30/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130454	0.8488	1.0000	20	21/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130455	0.8488	1.0000	160	23/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130456	0.8488	1.0000	6	14/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130457	0.8488	1.0000	70	5/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130458	0.8488	1.0000	107	5/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130459	0.8488	1.0000	2	19/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130460	0.8488	1.0000	2.8	27/09/1979	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130461	0.8488	1.0000	10	1/06/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130462	0.8488	1.0000	361	28/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130463	0.8488	1.0000	268.8	30/05/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130464	0.8488	1.0000	58	27/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130465	0.7881	1.0000	255	13/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130466	0.8488	1.0000	29	29/12/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130467	0.8488	1.0000	23.6	28/10/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130468	0.8488	1.0000	34.9	8/11/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130469	0.8488	1.0000	1	14/11/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130472	0.8488	1.0000	4	2/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130473	0.8488	1.0000	8.5	5/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130474	0.8488	1.0000	1.3	10/11/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130475	0.8488	1.0000	140.73	6/01/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130476	0.8488	1.0000	13.6	3/09/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130477	0.8488	1.0000	4	8/10/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130478	0.8488	1.0000	1	5/08/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130479A	0.8222	1.0000	287	19/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130480	0.8222	1.0000	212	21/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130481	0.8488	1.0000	32	23/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130482	0.8222	1.0000	46.2	20/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130483	0.8488	1.0000	291.9	10/09/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130484	0.7881	1.0000	194	3/09/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130485	0.8488	1.0000	101.75	26/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130486	0.8184	1.0000	50.4	6/09/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130487	0.8488	1.0000	75.5	28/04/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130488	0.8488	1.0000	6.1	23/09/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130489	0.8488	1.0000	6.4	30/01/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130490	0.8488	1.0000	18	30/01/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130492	0.8488	1.0000	123.9	12/02/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130493	0.8222	1.0000	199	21/08/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130494	0.8222	1.0000	198	13/06/1983	HBP, Producing	Below Top Queenstn

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NY	O&G	Empire Energy E&P, LLC	310130495	0.8488	1.0000	34.3	3/05/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130496	0.8488	1.0000	27.5	11/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130497	0.8488	1.0000	55.3	21/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130498	0.8488	1.0000	20	13/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130499	0.8488	1.0000	2.3	11/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130500	0.8488	1.0000	46.1	11/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130501	0.8488	1.0000	50	11/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130502	0.8488	1.0000	89.6	7/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130509	0.8488	1.0000	9.5	25/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130520	0.8488	1.0000	7	30/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130521	0.8488	1.0000	7.4	30/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130522	0.8488	1.0000	15	17/02/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130523	0.8488	1.0000	41.6	18/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130524	0.8488	1.0000	28	8/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130525	0.8222	1.0000	100	26/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130526	0.8222	1.0000	10.1	10/07/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130527	0.7881	1.0000	119	18/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130528	0.7881	1.0000	58	27/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130529	0.8488	1.0000	55.5	17/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130530	0.8488	1.0000	138	31/12/1990	HBP, Producing	Below BTM Med Whirl
NY	O&G	Empire Energy E&P, LLC	310130531	0.7881	1.0000	403.5	18/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130532	0.7881	1.0000	20	5/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130533	0.8488	1.0000	2.5	8/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130534	0.8488	1.0000	1	3/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130535	0.8488	1.0000	0.756	8/06/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130536	0.8488	1.0000	44	13/05/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130537	0.8488	1.0000	59	4/05/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130538	0.8488	1.0000	10	16/01/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130539	0.8488	1.0000	7.7	3/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130540	0.7881	1.0000	90	21/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130541	0.7881	1.0000	10	19/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130543	0.8488	1.0000	116.6	17/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130544	0.7881	1.0000	34	19/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130545	0.7881	1.0000	10	30/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130546	0.7881	1.0000	10	19/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130547	0.7881	1.0000	18.5	19/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130548	0.8222	1.0000	124	18/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130549	0.8222	1.0000	179	30/05/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130550	0.8488	1.0000	3	28/02/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130551	0.8488	1.0000	120	9/01/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130552	0.7881	1.0000	321	12/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130553	0.8488	1.0000	103.5	15/11/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130554	0.8488	1.0000	182.5	5/06/2001	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130555	0.8488	1.0000	47.8	11/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130556	0.8488	1.0000	8	19/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130557	0.8488	1.0000	1	6/05/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130558	0.8488	1.0000	2.4	10/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130559	0.8488	1.0000	7.7	18/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130560	0.7881	1.0000	214	21/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130561	0.8488	1.0000	24.8	7/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130562	0.8488	1.0000	6.7	23/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130563	0.8488	1.0000	5.23	23/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130564	0.8488	1.0000	3.8	14/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130565	0.8488	1.0000	19.9	12/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130566	0.8488	1.0000	1.5	6/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130567	0.8488	1.0000	9.7	5/01/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130568	0.8488	1.0000	6	24/07/1980	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130569	0.8488	1.0000	5.2	12/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130570	0.8222	1.0000	410	13/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130571	0.8222	1.0000	50	21/08/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130573	0.8488	1.0000	113.2	13/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130574	0.7881	1.0000	117	29/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130575	0.7881	1.0000	136	29/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130576	0.8488	1.0000	9	31/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130577	0.7881	1.0000	280	11/09/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130578	0.8488	1.0000	0.603	17/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130579	0.7881	1.0000	155	29/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130580	0.8488	1.0000	1	2/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130581	0.8488	1.0000	1	9/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130582	0.7881	1.0000	159	9/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130583	0.8488	1.0000	1	12/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130585	0.8488	1.0000	32.5	7/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130586	0.8184	1.0000	60	4/10/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130587	0.8488	1.0000	132	15/03/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130588	0.8488	1.0000	174.6	19/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130589	0.8488	1.0000	0.76	28/08/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130590	0.8488	1.0000	33.4	8/06/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130591	0.8488	1.0000	31.1	29/03/1979	HBP, Producing	Restricted Depths

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NY	O&G	Empire Energy E&P, LLC	310130592	0.8488	1.0000	32.3	24/04/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130593	0.8488	1.0000	19.1	22/10/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130594	0.8488	1.0000	17.4	24/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130595	0.8488	1.0000	46	7/11/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130596	0.8488	1.0000	41.4	15/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130597	0.8488	1.0000	14.5	24/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130598	0.8488	1.0000	170	31/03/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130599	0.8488	1.0000	60	22/07/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130600	0.8488	1.0000	61.1	14/08/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130601	0.7881	1.0000	60	5/01/1974	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130602	0.8488	1.0000	68.2	8/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130603	0.8488	1.0000	12.3	18/04/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130604	0.8488	1.0000	20	13/10/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130605	0.8488	1.0000	5	18/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130606	0.8488	1.0000	20	14/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130607	0.8488	1.0000	15	24/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130608	0.8488	1.0000	26.9	10/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130609	0.8488	1.0000	25	11/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130610	0.8488	1.0000	28.7	10/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130611	0.8488	1.0000	44	8/04/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130612	0.8488	1.0000	7.2	1/01/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130613	0.8488	1.0000	60.4	8/08/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130614	0.8488	1.0000	38.2	24/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130615	0.8488	1.0000	38.2	28/02/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130616	0.8488	1.0000	109.9	15/03/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130617	0.8488	1.0000	142.6	26/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130618	0.8488	1.0000	3	18/06/1987	HBP, Producing	
NY	O&G	Empire Energy E&P, LLC	310130619	0.8488	1.0000	28	25/07/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130620	0.8488	1.0000	74	2/07/2020	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130621	0.8488	1.0000	50	10/09/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130622	0.8488	1.0000	35	11/11/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130623	0.8488	1.0000	326	13/01/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130624	0.7881	1.0000	194	9/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130625	0.7881	1.0000	83	9/10/1973	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130626	0.8488	1.0000	1	8/07/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130627	0.8488	1.0000	4.5	27/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130628	0.8222	1.0000	283	22/08/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130629	0.7275	1.0000	190.3	25/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130630	0.8488	1.0000	1	13/12/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130631	0.8488	1.0000	0.53	13/12/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130632	0.7881	1.0000	44	11/12/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130633	0.8488	1.0000	23.1	30/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130634	0.8488	1.0000	47.4	30/09/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130635	0.8488	1.0000	1.13	17/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130636	0.8488	1.0000	1.5	23/09/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130637	0.8488	1.0000	25.5	30/09/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130638	0.7881	1.0000	160	24/05/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130639	0.8488	1.0000	21.9	11/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130640	0.7881	1.0000	100	3/10/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130641	0.7881	1.0000	185	9/10/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130642	0.8488	1.0000	77.5	29/01/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130643	0.8488	1.0000	76.6	27/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130644	0.8488	1.0000	6	6/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130645	0.8222	1.0000	200	26/08/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130646	0.8488	1.0000	7	18/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130647	0.8488	1.0000	60.61	13/04/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130648	0.8488	1.0000	294	24/10/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130649	0.8488	1.0000	22.93	11/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130650	0.8488	1.0000	217	29/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130651	0.8488	1.0000	272	29/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130652	0.8488	1.0000	1.26	27/11/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130653	0.8488	1.0000	0.34	8/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130654	0.8488	1.0000	78	11/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130655	0.8488	1.0000	10.98	16/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130656	0.8222	1.0000	48	2/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130657	0.8488	1.0000	56.2	22/07/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130658	0.8488	1.0000	64.1	28/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130659	0.8488	1.0000	75	2/12/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130660	0.8184	1.0000	18.3	22/01/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130664	0.8488	1.0000	131	26/06/1989	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130665	0.8488	1.0000	93	26/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130666	0.8488	1.0000	50	1/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130667	0.8488	1.0000	86	10/06/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130668	0.7275	1.0000	21	20/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130669	0.8488	1.0000	73	22/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130670	0.8488	1.0000	147.2	29/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130671	0.8488	1.0000	73	28/06/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130672	0.8488	1.0000	86.8	29/05/1980	HBP, Producing	Restricted Depths

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NY	O&G	Empire Energy E&P, LLC	310130673	0.8488	1.0000	35.5	13/05/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130674	0.8488	1.0000	50	13/01/1988	HBP, Producing	Below BTM Med Whirl
NY	O&G	Empire Energy E&P, LLC	310130675	0.8488	1.0000	6.3	10/06/1983	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130676	0.8488	1.0000	6.7	10/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130677	0.8488	1.0000	1.8	9/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130678	0.8488	1.0000	4.5	8/06/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130679	0.7881	1.0000	63	30/09/1983	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310130680	0.8488	1.0000	8.4	3/01/1982	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130681	0.8488	1.0000	13.2	18/06/1982	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130682	0.8488	1.0000	7.7	29/05/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130683	0.8488	1.0000	21.1	7/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130684	0.8488	1.0000	358.4	27/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130685	0.8488	1.0000	1.24	9/10/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130686	0.8488	1.0000	69.4	7/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130687	0.7881	1.0000	177	10/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130688	0.8488	1.0000	1	13/08/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130689	0.8488	1.0000	80.7	17/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130690	0.7881	1.0000	66.5	14/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130691	0.8488	1.0000	43.7	1/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130692	0.8488	1.0000	63.6	1/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130693	0.8488	1.0000	17	8/08/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130694	0.8488	1.0000	11	27/07/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130695	0.8488	1.0000	50	24/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130696	0.7881	1.0000	59	18/07/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130697	0.8360	1.0000	86	16/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130698	0.8488	1.0000	7.8	28/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130699	0.8488	1.0000	3.4	31/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130700	0.8488	1.0000	28.7	28/10/1989	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130701	0.8488	1.0000	111.4	12/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130702	0.8488	1.0000	1.46	15/04/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130704	0.7881	1.0000	40	17/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130705	0.8488	1.0000	1.4	25/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130706	0.8488	1.0000	0.85	8/01/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130707	0.8488	1.0000	152.7	17/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130708	0.8488	1.0000	303.2	20/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130709	0.8488	1.0000	46.7	10/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130710	0.8488	1.0000	0.75	1/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130711	0.8488	1.0000	4.5	5/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130712	0.8488	1.0000	0.6	31/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130713	0.8488	1.0000	1.9	1/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130714	0.8488	1.0000	2.1	30/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130715	0.8488	1.0000	0.5	2/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130716	0.8488	1.0000	0.5	18/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130717	0.8488	1.0000	28	10/06/1983	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130718	0.8488	1.0000	1	6/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130719	0.8488	1.0000	7.4	14/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130720	0.8488	1.0000	4.1	7/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130721	0.8488	1.0000	4.7	6/02/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130722	0.8488	1.0000	19	13/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130723	0.8488	1.0000	72.5	10/06/1978	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130724	0.8488	1.0000	22.17	12/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130725	0.8488	1.0000	168	2/08/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130726	0.7881	1.0000	336	10/10/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130728	0.8488	1.0000	151.8	10/02/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130729	0.7881	1.0000	18.5	19/03/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130730	0.7881	1.0000	36	17/03/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130731	0.7881	1.0000	492.3	18/04/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130732	0.8488	1.0000	6	14/01/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130733	0.8488	1.0000	1	3/05/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130734	0.8488	1.0000	2.2	1/06/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130735	0.8488	1.0000	2.2	6/04/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130736	0.8488	1.0000	60	30/06/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130739	0.8488	1.0000	26.9	12/10/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130740	0.8488	1.0000	85	25/09/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130741	0.8488	1.0000	104	5/06/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130742	0.8488	1.0000	5	6/01/1980	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130743	0.8488	1.0000	5	9/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130744	0.8488	1.0000	9	30/08/1979	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130745	0.8488	1.0000	13.5	31/08/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130746	0.8488	1.0000	19.3	16/07/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130750	0.7881	1.0000	319	10/10/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130751	0.8488	1.0000	129.4	19/01/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130752	0.8488	1.0000	96	28/08/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130754	0.8488	1.0000	131	28/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130755	0.8222	1.0000	68	28/06/1983	HBP, Producing	Below Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310130756	0.8488	1.0000	18.3	24/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130757	0.7881	1.0000	18	29/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130758A	0.8488	1.0000	63.3	18/09/1981	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130760	0.8488	1.0000	100.1	13/09/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130761	0.8488	1.0000	60	28/08/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130762	0.8222	1.0000	239	19/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130763	0.8488	1.0000	10.2	12/01/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130764	0.8222	1.0000	197	19/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130765	0.8222	1.0000	27	19/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130766	0.8222	1.0000	268	15/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130767	0.8222	1.0000	49	20/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130768	0.8488	1.0000	99	3/08/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130770	0.8488	1.0000	87.7	13/06/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130771	0.8184	1.0000	32	4/10/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130772	0.8488	1.0000	7.4	27/01/2003	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130773	0.8488	1.0000	3.8	22/04/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130774	0.7881	1.0000	112	13/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130775	0.8488	1.0000	5	9/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130776	0.8488	1.0000	2	11/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130777	0.8488	1.0000	20.6	2/12/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130778	0.8488	1.0000	10	22/10/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130779	0.7881	1.0000	28.5	24/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130780	0.7881	1.0000	143	16/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130781	0.8488	1.0000	81	21/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130783	0.8488	1.0000	1	14/12/2001	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130784	0.8488	1.0000	1	17/12/2001	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130785	0.8488	1.0000	1	22/12/2001	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130786	0.8488	1.0000	1	14/12/2001	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130787	0.8488	1.0000	1	8/12/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130788	0.8488	1.0000	43.2	21/03/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130789	0.8488	1.0000	123.9	19/05/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130790	0.8488	1.0000	174.4	19/12/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130791	0.8488	1.0000	17.5	18/12/1981	HBP, Producing	Restricted Depths
NY	O&G	Empire Energy E&P, LLC	310130792	0.8488	1.0000	25.6	6/11/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130793	0.8488	1.0000	8.92	17/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130794	0.8488	1.0000	44	11/07/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130795	0.8488	1.0000	2.5	10/07/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130796	0.8488	1.0000	2.8	12/07/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130797	0.8488	1.0000	2.8	10/07/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130798	0.7881	1.0000	26	23/07/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130799	0.7881	1.0000	91	6/08/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130800	0.8488	1.0000	21.936	21/03/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130802	0.8095	1.0000	1	29/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130803	0.8095	1.0000	9.8	29/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130804	0.8488	1.0000	149.7	2/07/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130805	0.7881	1.0000	41	18/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130807	0.7881	1.0000	10	9/01/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130808	0.8488	1.0000	8.2	16/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130809	0.8488	1.0000	2	3/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130810	0.8488	1.0000	1.5	12/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130811	0.8488	1.0000	1.3	20/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130812	0.7881	1.0000	1185	19/11/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130813	0.8488	1.0000	538	19/11/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130814	0.8488	1.0000	1	9/05/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130815	0.8488	1.0000	2.7	23/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130816	0.8488	1.0000	0.83	23/09/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130817	0.8488	1.0000	8.1	30/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130818	0.8488	1.0000	3	20/11/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130819	0.8488	1.0000	2	7/11/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130820	0.8488	1.0000	54.3	6/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130821	0.8488	1.0000	17.82	17/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130822	0.8488	1.0000	18	29/05/1977	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130824	0.8488	1.0000	22	7/11/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130825	0.8488	1.0000	2.3	7/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130826	0.8488	1.0000	10	30/11/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130828	0.8488	1.0000	3.3	16/04/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130829	0.8488	1.0000	35	28/09/1986	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130830	0.8488	1.0000	35	28/09/1986	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130831	0.7544	1.0000	119.9	1/10/1986	HBP, Producing	Surface BTM Queenstn
NY	O&G	Empire Energy E&P, LLC	310130832	0.8184	1.0000	160	15/06/1974	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130833	0.8488	1.0000	133.1	12/07/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130834	0.8488	1.0000	8	14/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130835	0.8488	1.0000	7.3	12/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130836	0.8488	1.0000	7.4	14/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130837	0.8488	1.0000	4.5	14/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130838	0.8488	1.0000	30	18/07/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130839	0.8488	1.0000	6.2	16/07/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130840	0.8488	1.0000	1	26/03/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130841	0.8488	1.0000	36	24/06/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130842	0.8488	1.0000	68	27/09/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130843	0.8488	1.0000	1	1/05/1986	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310130844	0.8488	1.0000	3	25/07/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130845	0.8488	1.0000	49.44	25/05/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130846	0.8488	1.0000	5	23/02/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130848	0.8488	1.0000	160	13/06/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310130852	0.8488	1.0000	58.3	26/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130853	0.8488	1.0000	3	13/07/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130854	0.8488	1.0000	41.528	18/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130855	0.8488	1.0000	0.972	18/06/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130856	0.8488	1.0000	55	22/10/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130857	0.8488	1.0000	100	17/02/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130858	0.8488	1.0000	139.9	22/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130859	0.8488	1.0000	7.8	22/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130860	0.8488	1.0000	10	22/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130861	0.8488	1.0000	2	21/12/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130862	0.8488	1.0000	11.6	22/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130863	0.8488	1.0000	3	21/12/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130864	0.8488	1.0000	36.2	10/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130865	0.8488	1.0000	1.83	10/03/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130866	0.8488	1.0000	4.3	10/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130867	0.8488	1.0000	5.8	1/03/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130868	0.8488	1.0000	19.9	9/02/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130869	0.8488	1.0000	4	26/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130870	0.8488	1.0000	102.7	28/03/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130871	0.8488	1.0000	39.7	31/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130872	0.8488	1.0000	32.5	1/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130873	0.8488	1.0000	0.88	1/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130874	0.8488	1.0000	2.5	3/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130875	0.8488	1.0000	1.05	1/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130876	0.8488	1.0000	0.93	1/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130877	0.8488	1.0000	123	26/06/1989	HBP, Producing	Surface Top Onondga
NY	O&G	Empire Energy E&P, LLC	310130878	0.8488	1.0000	2	26/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130879	0.8488	1.0000	29.4	9/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130880	0.8488	1.0000	15.2	14/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130881	0.8488	1.0000	8.2	7/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130882	0.8488	1.0000	1.8	14/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130883	0.8488	1.0000	0.3	16/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130884	0.8488	1.0000	12.2	7/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130885	0.8488	1.0000	100	16/08/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130886	0.8488	1.0000	47	4/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130887	0.8488	1.0000	15	4/09/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130888	0.8488	1.0000	10	29/08/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130889	0.8488	1.0000	1	11/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130890	0.8488	1.0000	5	11/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130891	0.8488	1.0000	2	11/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130892	0.8488	1.0000	7	11/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310130893	0.8488	1.0000	3.81	15/12/1991	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130894	0.8488	1.0000	23.58	8/03/1992	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130895	0.8488	1.0000	13.92	8/03/1992	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130896	0.8488	1.0000	31.28	23/08/1991	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130897	0.8488	1.0000	8.72	5/09/1991	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130898	0.8488	1.0000	40	8/03/1992	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130899	0.8488	1.0000	40	13/07/1990	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130900	0.8488	1.0000	46.5	13/07/1990	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130901	0.8488	1.0000	54	8/03/1992	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310130903	0.8488	1.0000	385.24	31/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131025	0.8012	0.2279	117	25/06/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131026	0.8012	0.2279	14	16/01/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131027	0.8012	0.2279	28.3	25/03/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131028	0.8488	0.2279	169	10/10/1987	HBP, Producing	Shallow Above 5k FT
NY	O&G	Empire Energy E&P, LLC	310131029A	0.8012	1.0000	105	18/03/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131030	0.8488	0.2280	2	12/07/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131031	0.8488	1.0000	48.5	16/10/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131032	0.8488	1.0000	33.4	7/05/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131033	0.8488	1.0000	363	24/02/1983	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310131034	0.8488	0.2282	1.1	12/07/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131035	0.8488	1.0000	58	25/06/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131050	0.8488	1.0000	340	6/04/1985	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310131051	0.7396	1.0000	100	12/09/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131053	0.7984	1.0000	9.1	28/02/1999	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131054	0.7984	1.0000	3	21/02/1999	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131056	0.8184	1.0000	272	9/11/1981	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131057	0.7984	1.0000	25	31/05/1992	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131058	0.8089	0.8750	46.8	31/05/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131059	0.7881	1.0000	26.8	31/05/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131060	0.8488	1.0000	368.4	31/05/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131061	0.7769	0.2000	226	31/05/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131062	0.7957	1.0000	0.331	24/07/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131063	0.8463	1.0000	117	17/09/1984	HBP, Producing	100% Shallow 50%Deep

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NY	O&G	Empire Energy E&P, LLC	310131064	0.8428	1.0000	35.19	18/03/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131065	0.8457	1.0000	18.095	5/04/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131066	0.8094	0.1250	2	16/06/1993	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131068	0.7959	0.8749	1.75	27/06/1993	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131069	0.8153	0.8750	24	25/12/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131070	0.8153	0.8760	0.5	5/08/1993	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131071	0.7922	0.1250	31.4	19/05/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131072	0.8098	0.8750	12.8	2/12/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131073	0.7989	0.4813	6	28/04/1987	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131074	0.7841	0.2000	52.6	27/03/1986	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131075	0.7989	0.4813	12	30/07/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131076	0.8207	0.4375	183.17	1/08/1991	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131079	0.7984	1.0000	80	12/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131080	0.7957	1.0000	252	13/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131081	0.7957	1.0000	232	13/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131082	0.7957	1.0000	272	13/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131083	0.7957	1.0000	120	13/10/1973	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131084	0.7989	0.4813	147	14/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131085	0.7957	1.0000	134	16/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131086	0.7957	1.0000	218	16/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131087	0.7957	1.0000	94	16/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131088	0.7957	1.0000	154	16/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131089	0.7957	1.0000	120	17/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131090	0.7989	1.0000	138	10/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131091	0.7957	0.2000	135	10/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131092	0.7957	0.1250	107	11/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131093	0.8488	1.0000	138	11/10/1975	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131094	0.7785	0.2000	100	11/10/1975	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131095	0.7957	1.0000	333.8	11/10/1975	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131096	0.7957	1.0000	238	11/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131097	0.7957	1.0000	215	11/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131098	0.7984	1.0000	250	11/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131099	0.7841	0.2000	65	12/01/1973	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131100	0.7957	0.8750	170	12/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131101	0.7957	1.0000	187	17/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131102	0.7957	1.0000	178	17/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131103	0.7957	1.0000	187	17/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131104	0.8479	0.4815	108.69	17/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131105	0.7957	1.0000	175	30/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131106	0.7957	1.0000	26.448	31/10/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131107	0.7984	1.0000	130	31/10/1977	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131108	0.7760	0.2125	165	1/11/1982	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131109	0.7959	0.8750	200	10/09/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131110	0.7957	0.1250	213	5/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131112	0.8094	0.1250	75	20/12/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131113	0.7957	1.0000	156	24/10/1985	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131114	0.7959	0.8750	100	22/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131115	0.7957	0.8750	220	23/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131116	0.7957	0.8750	122	23/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131117	0.7922	0.1250	80	4/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131118	0.8153	0.8750	144	31/12/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131119	0.8429	1.0000	229.86	11/05/1986	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131120	0.8429	1.0000	182	8/05/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131121	0.7881	1.0000	216	10/05/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131122	0.8488	0.1250	318	11/05/1986	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131123	0.8222	0.1250	74	26/10/1983	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310131125	0.9700	1.0000	54	20/01/1987	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131127	0.8488	0.2500	87.5	30/03/2000	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131131	0.8488	1.0000	4	1/11/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131133	0.8488	1.0000	49.65	30/11/1981	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310131134	0.8488	1.0000	6.3	31/03/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131135	0.8488	1.0000	3.8	31/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131136	0.9700	1.0000	38	24/01/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131137	0.9700	1.0000	44	13/04/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310131138	0.8488	1.0000	50	21/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131139	0.8488	1.0000	120	23/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131140	0.8488	1.0000	89.5	23/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131141	0.8488	1.0000	190	25/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131142	0.8488	1.0000	14	25/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131143	0.8488	1.0000	200	25/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131144	0.8488	1.0000	113	26/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131145	0.8488	1.0000	50	26/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131146	0.8488	1.0000	344	31/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131147	0.8488	1.0000	14	31/10/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131148	0.8488	1.0000	299	1/11/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131149	0.8488	1.0000	167	1/11/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131150	0.8488	1.0000	127	9/11/1982	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310131151	0.8488	1.0000	291	9/11/1982	HBP, Producing	Surface Top Queenstrn

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NY	O&G	Empire Energy E&P, LLC	310132093A	0.9700	1.0000	75	31/10/2071	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132095	0.8488	1.0000	33	23/07/1977	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132096	0.8488	1.0000	26	5/06/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132097	0.8488	1.0000	33	21/07/1977	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132098	0.8488	1.0000	34	5/06/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132099	0.9700	1.0000	68	7/06/1986	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132100	0.9700	1.0000	54	22/05/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132101	0.8488	1.0000	64	26/03/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132102	0.9700	1.0000	149	28/07/1986	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132103	0.8488	1.0000	80	2/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132104	0.8488	1.0000	133	17/05/1977	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132105	0.8488	1.0000	202	21/03/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132106	0.8488	1.0000	20	1/01/1977	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132107	0.8488	1.0000	185	2/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132108	0.8488	1.0000	138	2/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132109	0.8488	1.0000	126	3/05/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132110	0.8488	1.0000	158	10/12/1976	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132111	0.8488	1.0000	50	27/08/1986	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132113	0.8488	1.0000	58	20/11/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132114	0.8488	1.0000	10	9/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132115	0.8488	1.0000	17	4/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132116	0.8488	1.0000	28	5/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132117	0.9700	1.0000	151	7/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132118	0.8488	1.0000	41	3/10/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132119	0.8488	1.0000	25	21/08/1976	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132120	0.8488	1.0000	59.5	24/03/1976	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132121	0.8488	1.0000	42.4	22/09/1996	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132122	0.8488	1.0000	2.6	23/09/1996	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132123	0.8488	1.0000	4.2	26/09/1996	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132124	0.8488	1.0000	62.5	19/05/1996	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132125	0.7881	1.0000	0.28	25/04/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132126	0.8488	0.9000	122.7	2/05/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132127	0.8222	1.0000	45	14/06/1974	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132128	0.7396	1.0000	10	30/09/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132129	0.7881	1.0000	20	10/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132130	0.7881	1.0000	75	14/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132131	0.7881	1.0000	139	14/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132132	0.8488	1.0000	177	14/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132133	0.7881	1.0000	4.4	10/05/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132134	0.7396	1.0000	11.75	2/04/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132135	0.7881	1.0000	2	30/10/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132136	0.8488	0.9286	139	12/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132137	0.7396	1.0000	70	27/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132138	0.8222	1.0000	109	12/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132139	0.7881	1.0000	42	14/07/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132140	0.8003	0.9286	108	23/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132141	0.8290	1.0000	16.4	5/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132142	0.8488	0.9242	45	3/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132143	0.7396	1.0000	31.5	27/09/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132144	0.7881	1.0000	5	19/07/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132145	0.7857	0.9000	132.76	5/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132146	0.8142	1.0000	5	27/10/1992	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132147	0.8290	1.0000	10.7	19/11/1991	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132148	0.7881	1.0000	5	18/07/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132149	0.8330	1.0000	66.5	22/09/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132150	0.8142	1.0000	5	7/09/1992	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132151	0.7881	1.0000	7.5	7/12/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132152	0.7396	1.0000	22.38	23/01/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132153	0.7881	1.0000	96.3	23/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132154	0.8003	0.9242	120.7	17/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132155	0.8488	1.0000	202	21/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132156	0.8488	0.9242	95	3/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132157	0.7881	1.0000	14	11/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132158	0.7909	1.0000	207	12/07/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132159	0.7881	1.0000	147	29/08/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132160	0.7881	1.0000	1	24/04/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132161	0.7396	1.0000	1	24/04/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132162	0.7396	1.0000	8.6	14/07/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132163	0.7396	1.0000	65.9	25/07/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132164	0.8488	0.9238	125	16/10/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132165	0.7881	1.0000	16	10/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132166	0.7881	1.0000	1475	17/01/1979	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132167	0.8142	1.0000	2561	17/01/1979	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132168	0.8488	1.0000	1325	18/12/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132169	0.8488	0.9000	1283	17/01/1979	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132170	0.7857	0.9000	500	8/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132171	0.7881	1.0000	153	12/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132172	0.7881	1.0000	4.03	6/05/1985	HBP, Producing	Surface Top Queenstn

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NY	O&G	Empire Energy E&P, LLC	310132173	0.7881	1.0000	14.8	7/12/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132174	0.7881	1.0000	79.4	5/06/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132175	0.8184	0.2000	160	16/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132176	0.8290	1.0000	30	15/01/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132177	0.8488	0.9242	158	30/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132178	0.8290	1.0000	39.2	11/12/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132179	0.7396	1.0000	210	1/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132180	0.7396	1.0000	25.4	30/04/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132181	0.8488	1.0000	1097.1	23/05/1997	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132182	0.7881	1.0000	200	5/03/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132183	0.8488	1.0000	124	29/08/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132184	0.7881	1.0000	138	28/04/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132185	0.7881	1.0000	50	15/09/1980	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132186	0.7881	1.0000	146	28/05/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132195	0.8488	0.8400	15	31/10/1999	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132196	0.8488	0.5000	39.6	16/11/2002	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132197	0.8488	0.5000	30.2	30/11/2002	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132198	0.8488	0.5000	19.8	17/01/2002	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132199	0.8488	0.5000	83.5	15/11/2002	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132200	0.8488	0.5000	16.26	13/03/2003	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132201	0.8488	0.5000	16.69	18/11/2002	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132202	0.8488	1.0000	61	2/11/2001	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132204	0.8488	1.0000	11	12/03/1986	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132205	0.8488	1.0000	38.3	18/09/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132206	0.8488	1.0000	55	21/12/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132207	0.8488	1.0000	5	9/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132208	0.8488	1.0000	140	25/02/1985	HBP, Producing	Below Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132209	0.8488	1.0000	96	23/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132210	0.8488	1.0000	2	5/07/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132211	0.8488	1.0000	74.3	19/05/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132212	0.8488	1.0000	49.9	19/05/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132213	0.8488	1.0000	60.5	25/05/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132214A	0.8488	0.5000	61	15/09/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132215	0.8488	1.0000	50.2	30/03/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132216	0.8488	1.0000	55	22/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132217	0.8488	1.0000	14	22/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132218	0.8488	1.0000	20	17/07/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132219	0.8488	1.0000	150	31/08/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132220	0.8488	1.0000	68	2/03/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132221	0.8488	1.0000	4	12/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132223	0.8488	1.0000	80	17/02/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132224	0.8488	1.0000	9	8/01/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132225	0.8488	1.0000	179	28/02/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132226	0.8488	1.0000	231	23/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132227	0.8488	1.0000	15	27/07/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132228	0.8488	1.0000	120	29/01/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132229	0.8488	1.0000	65	6/11/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132230	0.8488	1.0000	107.1	14/11/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132231	0.8488	1.0000	50.4	25/02/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132232	0.8488	1.0000	198	30/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132233	0.8488	1.0000	118	25/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132234	0.8488	1.0000	12	23/06/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132235	0.8488	1.0000	30	6/12/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132236	0.8488	1.0000	117.213	22/12/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132237	0.8488	1.0000	211	11/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132238	0.8488	1.0000	35	17/02/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132239	0.8488	1.0000	195.6	26/01/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132240	0.8488	1.0000	41	14/08/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132241	0.8488	1.0000	41	1/09/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132242	0.8488	1.0000	64	3/04/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132243	0.8488	1.0000	70	6/12/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132244	0.8488	1.0000	41	11/07/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132245	0.8488	1.0000	126	25/02/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132246	0.8488	1.0000	103	7/01/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132247	0.8488	1.0000	75	25/02/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132248	0.8488	1.0000	55	2/08/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132249	0.8488	1.0000	20	14/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132250	0.8488	1.0000	386	11/08/1986	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310132251	0.8488	1.0000	290	29/11/1984	HBP, Producing	100% Shallow 50%Deep
NY	O&G	Empire Energy E&P, LLC	310132252	0.8488	1.0000	14.8	1/12/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132253	0.8750	1.0000	77	15/12/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132255	0.8750	1.0000	10	9/05/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132256	0.8750	1.0000	46	25/02/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132258	0.8750	1.0000	5	17/07/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132259	0.8750	1.0000	284	7/02/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132260	0.8750	1.0000	174	20/01/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132263	0.8750	1.0000	24	9/05/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132264	0.8750	1.0000	38	18/10/1982	HBP, Producing	Surface Top Queenstn

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NY	O&G	Empire Energy E&P, LLC	310132355	0.8750	1.0000	153	6/12/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132356	0.8750	1.0000	115	15/11/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132358	0.8750	1.0000	71	18/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132359	0.8750	1.0000	122	23/08/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132360	0.8750	1.0000	75	6/08/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132362	0.8750	0.9000	39	1/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132363	0.8750	1.0000	131	21/02/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132364	0.8750	1.0000	24	1/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132365	0.8750	1.0000	150	19/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132366	0.8750	1.0000	207	10/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132367	0.8750	1.0000	170	5/10/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132369	0.8750	1.0000	136	13/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132370	0.8750	1.0000	63		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132371	0.8750	1.0000	159	21/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132372	0.8750	1.0000	4	29/09/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132373	0.8750	1.0000	25	24/06/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132374	0.8750	1.0000	113	5/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132375	0.8750	1.0000	257		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132376	0.8750	1.0000	120	31/03/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132377	0.8750	1.0000	124	14/08/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132378	0.8750	1.0000	6	26/06/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132379	0.8750	1.0000	1	26/06/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132380	0.8750	1.0000	29	20/02/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132381	0.8750	1.0000	100	11/01/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132382	0.8750	0.9000	100	21/10/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132383	0.8750	1.0000	129	18/01/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132384	0.8750	1.0000	40	2/05/1969	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132385	0.8750	1.0000	62.4	2/05/1969	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132386	0.8750	1.0000	48	27/11/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132387	0.8750	1.0000	30	25/11/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132388	0.8750	1.0000	394	3/11/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132389	0.8750	1.0000	70	16/03/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132390	0.8750	1.0000	42.5	18/12/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132391	0.8750	0.9242	2	8/05/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132392	0.8750	1.0000	3	8/05/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132393	0.8750	0.9242	95	25/04/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132394	0.8750	1.0000	9.5	25/01/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132395	0.8750	1.0000	14.3	26/01/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132396	0.8750	1.0000	2.5	15/02/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132397	0.8750	1.0000	8.3	8/05/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132398	0.8750	1.0000	16	25/01/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132399	0.8750	1.0000	78.2	5/01/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132400	0.8750	1.0000	88	10/08/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132402	0.8750	1.0000	51	14/10/1985	HBP, Producing	Surface/BTM Elk
NY	O&G	Empire Energy E&P, LLC	310132403	0.8750	1.0000	121	14/10/1985	HBP, Producing	Surface/BTM Elk
NY	O&G	Empire Energy E&P, LLC	310132406	0.8750	1.0000	172	18/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132407	0.8750	1.0000	85	2/12/1982	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310132408	0.8750	1.0000	1	8/08/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132409	0.8750	1.0000	61	16/02/1984	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132410	0.8750	1.0000	50.2	4/08/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132411	0.8750	1.0000	12.3	6/08/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132413	0.8750	1.0000	110	28/01/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132414	0.8750	1.0000	7.6	22/08/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132415	0.8750	1.0000	15.00	7/05/1940	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132416	0.8750	1.0000	90.00		HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132417	0.8750	1.0000	70.00	22/10/1913	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132418	0.8750	1.0000	46.75	18/01/1915	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132419	0.8750	1.0000	49.50	9/05/1940	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132420	1.0000	1.0000	80.00	8/05/1940	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132421	0.8750	1.0000	78.14	20/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132422	0.8750	1.0000	10.80	20/12/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132423	0.8750	1.0000	17.30	3/02/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132424	0.8750	1.0000	1.08	21/12/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132425	0.8750	1.0000	6.76	16/01/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132426	0.8750	1.0000	40.00	23/07/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132427	0.8750	1.0000	40.00	15/03/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132428	0.8750	1.0000	40.00	20/11/1979	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132429	0.8750	1.0000	40.00	23/10/1983	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132430	0.8750	1.0000	40.00	6/04/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132431	1.0000	1.0000	40.00	1/10/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132432	0.8750	1.0000	25.56	21/09/1981	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132433	0.8750	1.0000	6.60	20/09/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132434	0.8750	1.0000	13.76	8/07/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132435	0.8750	1.0000	64.00	7/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132436	0.8600	1.0000	16.30	28/09/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132437	0.9850	1.0000	116.40	2/02/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132438	0.9850	1.0000	1.30	9/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132439	0.9850	1.0000	1.00	28/02/1988	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310132440	0.9850	1.0000	5.80	2/09/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132441	0.8750	1.0000	47.00	23/11/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132442	0.8750	1.0000	31.00	9/12/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132443	0.8750	1.0000	134.00	21/01/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132444	0.8750	1.0000	26.70	12/09/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132445	0.8750	1.0000	67.40	7/08/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132446	0.8477	0.8750	31.60	12/08/1996	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132447	0.8477	0.8750	74.30	30/07/1996	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132448	0.8477	0.8750	9.30	8/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132449	0.8477	1.0000	71.70	22/04/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132450	0.8477	0.8750	22.10	1/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132451	0.8000	0.8750	60.00	3/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132452	0.8000	0.8750	108.50	3/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132453	0.7986	0.6478	5.80	28/02/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132454	0.7986	0.6478	4.30	9/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132455	0.7986	0.6478	4.00	25/02/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132456	0.7986	0.6478	21.00	10/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132457	0.7986	0.6478	4.00	9/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132458	0.7986	0.6478	10.00	17/03/1999	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132459	0.7986	0.6478	1.50	30/05/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132460	0.7986	0.6478	1.30	30/05/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132461	0.7986	0.6478	1.50	18/08/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132462	0.7986	0.6478	1.50	25/05/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132463	0.7986	0.6478	53.56	17/11/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132464	0.8140	0.8011	71.80	23/12/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132465	0.8140	0.8011	192.30	4/11/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132466	0.8140	0.8011	194.10	5/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132467	0.8140	0.8011	31.00	23/12/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132468	0.8000	0.6478	2.00	12/06/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132469	0.8000	0.6478	3.80	25/07/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132470	0.8000	0.5482	1.50	22/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132471	0.8000	0.6474	1.30	27/03/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132472	0.8000	0.6474	2.40	14/12/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132473	0.8000	0.6474	20.00	20/07/1992	HBP, Producing	All Horizons
NY	Minerals	Empire Energy E&P, LLC	310132474	1.0000	0.6474	3.70	N/A	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132475	0.8250	0.8011	46.10	28/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132476	0.8250	0.8011	53.90	28/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132477	0.8250	1.0000	19.00	29/07/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132478	0.8250	1.0000	10.50	28/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132479	0.8250	1.0000	9.90	15/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132480	0.8250	1.0000	18.00	16/03/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132481	0.8750	1.0000	26.00	5/11/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132482	0.8750	1.0000	4.60	19/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132483	0.8750	1.0000	11.70	10/30/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132484	0.8750	1.0000	20.00	30/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132485	0.7500	1.0000	75.00	13/11/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132486	0.8140	0.8011	65.50	14/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132487	0.8750	1.0000	129.20	21/11/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132488	0.8250	1.0000	3.40	23/04/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132489	0.8250	1.0000	23.20	1/10/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132490	0.8750	1.0000	220.50	20/06/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132491	0.8150	0.7960	44.00	2/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132492	0.8750	1.0000	40.10	6/01/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132493	0.8750	1.0000	2.00	14/02/1988	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132494	0.8750	1.0000	11.30	12/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132495	1.0000	1.0000	1.30	12/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132496	0.8750	1.0000	24.00	1/06/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132497	0.9390	0.8011	10.00	14/06/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132498	0.8750	1.0000	7.50	30/09/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132499	1.0000	1.0000	1.50	12/10/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132500	0.8000	0.8750	13.00	24/02/1991	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132501	0.8750	1.0000	68.00	19/05/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132502	0.8750	1.0000	77.70	18/05/1987	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132503	0.8750	0.9425	178.60	9/10/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132504	0.8822	0.9425	1.90	21/05/2014	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132505	0.8822	0.9425	2.00	21/05/2014	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132506	0.8822	0.9425	2.40	21/05/2014	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132507	0.8750	1.0000	150.00	6/03/1910	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132508	0.8750	0.7935	62.88	24/04/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132509	0.7500	1.0000	70.00	21/11/1982	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310132510	1.0000	0.8750	58.20	21/12/1990	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290001	0.4123	0.5000	23.24	5/01/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290003	0.4123	0.5000	22.98	29/01/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290004	0.4244	0.5000	26.41	12/02/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290005	0.4123	0.5000	29.35	10/02/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290006	0.6184	0.7500	7.82	18/02/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290007	0.4123	0.5000	15.22	12/02/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290008	0.6184	0.7500	15.78	24/03/1994	HBP, Producing	Surface BTM Clinton

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NY	O&G	Empire Energy E&P, LLC	310290009	0.6184	0.7500	24.22	23/03/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290010	0.6184	0.7500	30.6	31/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290011	0.6184	0.7500	3.8	2/06/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290012	0.6184	0.7500	5.6	16/06/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290013	0.4244	0.5000	22	24/07/1994	HBP, Producing	Below BTM Med Whirl
NY	O&G	Empire Energy E&P, LLC	310290015	0.6184	0.7500	20	24/06/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290016	0.6184	0.7500	3.4	6/07/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290017	0.6366	0.7500	1.6	28/06/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290018	0.6184	0.7500	15	26/07/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290022	0.4123	0.5000	19	16/11/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290023	0.4123	0.5000	10	1/04/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290024	0.4123	0.5000	2	27/07/1995	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290025	0.4123	0.5000	2	15/02/1995	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290026	0.4123	0.5000	7	9/12/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290029	0.4123	0.5000	1.65	21/12/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290030	0.4123	0.5000	5.3	16/12/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290035	0.4123	0.5000	40	30/12/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290036	0.6184	0.7500	9.7	18/07/1986	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290037	0.6184	0.7500	9.9	19/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290038	0.6366	0.7500	4.8	17/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290039	0.4123	0.5000	45.6	24/11/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290040	0.6184	0.7500	10	10/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290041	0.4123	0.5000	1.2	22/02/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290042	0.6184	0.7500	31.36	23/10/1984	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290043	0.6184	0.7500	2.1	17/12/1980	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290044	0.6184	0.7500	2.03	30/09/1989	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290045	0.6184	0.7500	1.58	17/02/1996	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290046	0.6184	0.7500	0.946	15/02/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290047	0.6184	0.7500	2.25	24/04/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290049	0.4123	0.5000	39.5	13/09/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290050	0.4123	0.5000	0.5	3/09/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290051	0.4123	0.5000	77	26/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290052	0.4123	0.5000	3	20/10/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290053	0.6184	0.7500	21.65	17/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290054	0.6184	0.7500	18.35	31/10/1984	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290055	0.6184	0.7500	29	18/08/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290056	0.6184	0.7500	1.5	31/08/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290057	0.6184	0.7500	1.5	14/07/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290058	0.6184	0.7500	1	30/09/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290059	0.6184	0.7500	4	29/08/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290060	0.6184	0.7500	3	29/08/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290061	0.6184	0.7500	8.28	20/08/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290062	0.6184	0.7500	9.45	13/07/1993	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290063	0.6184	0.7500	2.2	17/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290064	0.6184	0.7500	3	18/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290065	0.6184	0.7500	2.2	17/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290066	0.6184	0.7500	3	17/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290068	0.6184	0.7500	1.83	18/05/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290069	0.6184	0.7500	38.09	12/03/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290070	0.6184	0.7500	1.91	25/02/1986	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290075	0.4123	0.5000	12	10/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290076	0.4123	0.5000	9	12/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290077	0.4123	0.5000	1	15/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290078	0.4123	0.5000	8.5	11/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290079	0.4123	0.5000	1	12/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290080	0.4123	0.5000	1	15/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290082	0.4123	0.5000	1	12/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290084	0.4123	0.5000	1	12/11/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290086	0.4123	0.5000	40	20/09/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290087	0.4123	0.5000	40	16/11/1994	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290088	0.4123	0.5000	0.47	3/03/1994	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290089	0.4123	0.5000	1.38	13/04/1990	HBP, Producing	Surface BTM Clinton
NY	O&G	Empire Energy E&P, LLC	310290090	0.8488	1.0000	32.2	23/04/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290091	0.8488	1.0000	1.21	12/06/1991	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290092	0.8488	1.0000	7.1	20/04/1990	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290093	0.8488	1.0000	1	23/10/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290094	0.8488	1.0000	11	26/10/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290095	0.8488	1.0000	19.9	17/09/1994	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290096	0.8488	1.0000	2.1	18/09/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290097	0.8488	1.0000	3.2	25/04/1990	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290098	0.8488	1.0000	13	20/10/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290099	0.8488	1.0000	52.3	29/04/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290100	0.8488	1.0000	3.9	20/09/1994	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290101	0.8488	1.0000	15.03	20/02/1992	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290102	0.8488	1.0000	19.7	8/05/1992	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290103	0.8488	1.0000	46.5	7/05/1993	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290104	0.8488	1.0000	22.9	5/02/1994	HBP, Producing	Surface Top Queenstrn
NY	O&G	Empire Energy E&P, LLC	310290105	0.8488	1.0000	54.9	15/08/1992	HBP, Producing	Surface Top Queenstrn

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NY	O&G	Empire Energy E&P, LLC	310290263	0.8488	0.1526	13.54	30/10/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290264	0.7396	0.9611	209	22/06/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290265	0.7490	0.9611	310	22/03/1988	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290266	0.7396	0.9611	9	31/12/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290267	0.8391	1.0000	130	21/10/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290268	0.7587	0.9611	123	5/12/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290269	0.8488	0.1526	1	2/12/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290270	0.8488	0.2500	10.9	5/03/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290271	0.8488	0.9611	148	27/01/1988	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290272	0.7587	0.9611	223.36	12/02/1988	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290273	0.8488	0.9611	3	1/09/1985	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290274	0.8488	0.1526	75	3/02/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290275	0.8488	0.2500	80	23/01/1993	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290276	0.8488	0.2500	99.7	12/01/1993	HBP, Producing	Surface Top Queenstn
NY	FEE	Empire Energy E&P, LLC	310290277	0.8750	1.0000	42		HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290280	0.8750	1.0000	38	8/04/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290281	0.8750	1.0000	45	31/03/1981	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290282	0.8750	1.0000	94	25/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290283	0.8750	1.0000	167	1/11/1990	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290284	0.8750	1.0000	140	3/06/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290285	0.8750	1.0000	61	19/04/1983	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290286	0.8750	1.0000	25	31/08/1978	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290287	0.8750	1.0000	50	1/09/1987	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290289	0.8750	1.0000	56	26/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290290	0.8750	1.0000	2	11/07/1989	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290292	0.8750	1.0000	51	26/06/1984	HBP, Producing	Surface Top Queenstn
NY	O&G	Empire Energy E&P, LLC	310290293	0.8750	1.0000	40.3	14/02/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290294	0.8750	1.0000	38.1	19/11/1992	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290295	0.8750	1.0000	48.6	4/12/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290297	0.8750	1.0000	15.3	4/12/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290298	0.8750	1.0000	140.00	30/08/1910	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290299	0.8750	1.0000	40.00	13/04/1900	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290300	0.8750	1.0000	7.00	29/03/1903	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290301	0.8750	1.0000	178.00	22/11/1914	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290302	0.8750	1.0000	167.00	17/03/1920	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290303	0.8750	1.0000	196.00	1/05/1933	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290304	0.8750	1.0000	34.00	25/06/1928	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290305	0.8750	1.0000	25.00	8/09/1924	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290306	0.8750	1.0000	200.00	31/07/1954	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290307	0.8750	1.0000	80.00	11/03/1913	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290308	0.8750	1.0000	150.00	26/05/2002	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290309	0.8750	1.0000	100.00	19/08/1980	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290310	0.8750	1.0000	93.16	21/11/1919	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290311	0.8750	1.0000	91.33	4/06/1920	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290312	0.8750	1.0000	93.00	26/06/1923	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310290313	0.8750	1.0000	108.00	16/03/1985	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370001	0.8750	1.0000	60.00	23/01/1912	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370002	0.8750	1.0000	8.00	6/06/1909	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370003	0.8750	1.0000	67.00	11/02/1908	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370004	0.8750	1.0000	52.00	27/01/1908	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370005	0.8750	1.0000	77.00	9/12/1911	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310370006	0.8750	1.0000	92.00	21/09/1918	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690078	0.8488	1.0000	70	24/02/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690157	0.8750	1.0000	88.00	9/09/1970	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690158	0.8750	1.0000	138.00	10/10/1968	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690159	0.8750	1.0000	196.00	10/10/1968	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690160	0.8750	1.0000	15.00	3/03/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690161	0.8750	1.0000	21.00	2/09/1970	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690162	0.8750	1.0000	1.00	9/01/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690163	0.8750	1.0000	14.70	9/01/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690164	0.8750	1.0000	10.00	9/01/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690165	0.8750	1.0000	120.50	11/01/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690166	0.8750	1.0000	6.10	9/01/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690167	0.8750	1.0000	71.22	2/07/1970	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690168	0.8750	1.0000	15.00	6/06/1964	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690169	0.8750	1.0000	10.00	11/12/1971	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690170	0.8750	1.0000	146.00	31/05/1970	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690171	0.8750	1.0000	123.00	2/11/1960	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690172	0.8750	1.0000	99.00	14/01/1993	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690173	0.8750	1.0000	17.00	25/01/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690174	0.8750	1.0000	80.20	31/08/2001	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690175	0.8750	1.0000	50.00	26/10/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690176	0.8750	1.0000	2.70	2/04/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310690177	0.8750	1.0000	1.20	5/04/2010	HBP, Producing	All Horizons
NY	Minerals	Empire Energy E&P, LLC	310690178	0.8764	1.0000	71.22	N/A	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990022	0.8488	1.0000	257	17/09/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990033	0.8488	1.0000	123	1/10/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990034	0.8488	1.0000	331	22/10/2007	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310990046	0.8488	1.0000	161.7	20/06/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990052	0.8488	1.0000	55.9	1/08/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990055A	0.8488	1.0000	39	1/08/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990067	0.8488	1.0000	198.2	29/08/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990085	0.8488	1.0000	3	5/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990086	0.8488	1.0000	2.2	6/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990087	0.8488	1.0000	55.1	4/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990088	0.8488	1.0000	138	5/03/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990089	0.8488	1.0000	0.68	5/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990090	0.8488	1.0000	81.5	5/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990091	0.8488	1.0000	1.3	3/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990092	0.8488	1.0000	1	3/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990098	0.8488	1.0000	44.5	2/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990099	0.8488	1.0000	1.1	1/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990101	0.8488	1.0000	6.41	25/02/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990102	0.8488	1.0000	0.88	5/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990103	0.8488	1.0000	2.76	12/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990104	0.8488	1.0000	0.68	6/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990106	0.8488	1.0000	3.9	5/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990107	0.8488	1.0000	2	13/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990108	0.8488	1.0000	134.5	17/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990119	0.8488	1.0000	28.9	11/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990121	0.8488	1.0000	77.9	25/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990122	0.8488	1.0000	0.68	22/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990130	0.8488	1.0000	753	27/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990132	0.8488	1.0000	48.9	30/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990135	0.8488	1.0000	50.76	10/04/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990136	0.8488	1.0000	1.3	30/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990137	0.8488	1.0000	0.92	3/04/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990138	0.8488	1.0000	1.36	12/04/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990139	0.8488	1.0000	0.88	14/04/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990141	0.8488	1.0000	147	25/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990143	0.8488	1.0000	1	7/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990144	0.8488	1.0000	0.88	22/04/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990145A	0.8488	1.0000	0.88	22/03/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990146	0.8488	1.0000	0.77	2/04/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990150	0.8488	1.0000	1.6	26/04/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990152	0.8148	1.0000	865.1	4/05/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990157	0.8488	1.0000	910.3	1/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990160	0.8488	1.0000	1.8	5/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990161	0.8488	1.0000	1.1	6/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990162	0.8488	1.0000	4.06	6/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990163	0.8488	1.0000	1	6/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990164	0.8488	1.0000	19.6	8/05/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990172	0.8488	1.0000	108.5	21/02/2013	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990174	0.8488	1.0000	1.2	1/07/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990193	0.8488	1.0000	61.4	23/09/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990195	0.8488	1.0000	41.2	9/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990212	0.8488	1.0000	333.1	24/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990213	0.8488	1.0000	49	28/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990214	0.8488	1.0000	153.7	24/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990215	0.8488	1.0000	158.1	24/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990216	0.8488	1.0000	80.6	24/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990219	0.8488	1.0000	27.7	30/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990235	0.8488	1.0000	90.1	20/11/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990249	0.8488	1.0000	4.1	22/11/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990250	0.8488	1.0000	1.0784	23/11/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990251	0.8488	1.0000	33.9	2/12/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990271	0.8488	1.0000	1.004	6/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990272	0.8488	1.0000	43.5	8/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990275	0.8488	1.0000	57.25	18/12/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990280	0.8488	1.0000	0.88	15/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990281	0.8488	1.0000	0.81	3/02/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990282	0.8488	1.0000	5	28/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990286	0.8488	1.0000	161.8	23/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990299	0.8488	1.0000	5	6/03/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990300	0.8488	1.0000	6.6	15/03/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990301	0.8488	1.0000	381	30/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990303	0.8488	1.0000	5	5/04/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990313	0.8488	1.0000	1.154	9/06/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990343	0.8488	1.0000	2.05	21/02/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990377	0.8488	1.0000	1	10/08/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990424	0.8488	1.0000	20.6	5/06/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990430	0.8488	1.0000	12.2	14/08/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990446	0.8488	1.0000	265.7	19/10/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990447	0.8488	1.0000	129.7	8/12/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990448	0.8488	1.0000	289.44	24/07/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990449	0.8488	1.0000	125.7	14/10/2012	HBP, Producing	All Horizons

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NY	O&G	Empire Energy E&P, LLC	310990450	0.8488	1.0000	399.93	14/10/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990451	0.8184	1.0000	296.14	19/10/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990452	0.8488	1.0000	434.4	19/10/2012	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990592	0.8750	1.0000	22.83	27/02/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990612	0.8750	1.0000	1.8	6/03/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990615	0.8750	1.0000	335.4	29/06/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990616	0.8750	1.0000	439.3	1/08/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990617	0.8438	1.0000	209.8	26/05/2019	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	310990618	0.8750	1.0000	184.4	11/09/2019	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170004	0.8488	0.5000	97	5/11/1998	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170008	0.8488	0.5000	132	12/11/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170009	0.8488	0.5000	85	11/11/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170011	0.8488	0.5000	166.31	28/10/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170021	0.8488	0.5000	41	1/12/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170024	0.8488	0.5000	62	3/12/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170026	0.8184	0.5000	7.4	25/01/2009	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170033	0.8488	0.5000	983.45	30/06/2004	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170093	0.8488	0.5000	25.5	20/11/2007	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170105	0.8488	0.5000	8.7	19/12/2005	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170118	0.8488	1.0000	91.06	25/01/2022	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170140	0.8488	0.5000	0.89	12/02/2008	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170176	0.8488	1.0000	3.4	12/03/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170202A	0.8488	0.5000	0.75	4/03/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170338	0.8488	0.5000	5.96	2/03/2010	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170432	0.8488	0.5000	50.5	31/03/2011	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170473	0.8488	0.5000	2.84	24/10/2006	HBP, Producing	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170536	0.8488	1.0000	24.3	9/02/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170554	0.8488	0.5000	149.59	4/04/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170587	0.8750	1.0000	186.32	13/02/2018	Leased, DelayRental	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170598	0.8750	1.0000	70.59	14/03/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170602	0.8750	1.0000	31.14	11/03/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170603	0.8750	1.0000	40.12	14/02/2018	Leased, PaidUP	All Horizons
NY	O&G	Empire Energy E&P, LLC	311170605	0.8750	1.0000	79.07	22/02/2018	Leased, DelayRental	All Horizons
PA	O&G	Empire Energy E&P, LLC	370050001	0.8750	0.5000	45	15/12/1996	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370050002	0.8750	0.7501	151	11/01/1990	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370050003	0.8750	0.3570	140	21/05/1992	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370050004	0.8750	0.2500	50	4/11/1996	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370050005	0.8750	0.3750	191	31/07/1992	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370050006	0.8750	0.3750	50	23/02/1992	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370050007	0.8750	0.3750	91	19/04/1995	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370130012	0.8750	1.0000	189	15/02/1929	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310003	0.8750	1.0000	20	16/11/1975	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310004	0.8750	1.0000	126	30/12/1988	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310005	0.8750	1.0000	7.151	8/08/1990	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310006	0.8750	1.0000	170	22/08/1957	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310007	0.8750	1.0000	84	12/08/1988	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310008	0.8750	0.6250	104	29/09/1993	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310009	0.8750	1.0000	175.1	12/01/1990	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310010	0.8750	1.0000	14	7/11/1998	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310011	0.8750	1.0000	152	9/01/1966	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310013	0.8750	0.7501	103	11/01/1990	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310014	0.8750	1.0000	12.5	11/10/1914	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310015	0.8750	0.5000	5	1/05/1998	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310016	0.8750	0.3750	50	25/10/1994	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310017	0.8750	1.0000	51	21/01/1967	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310018	0.8750	0.7501	116	30/01/1992	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310019	0.8750	0.2500	47	7/10/1996	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310021	0.8750	1.0000	100	2/04/1950	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310022	0.8750	0.6250	7.31	11/04/1997	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310023	0.8750	0.8748	23.978	8/11/1996	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310025	0.8750	1.0000	87.16	17/12/1998	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310026	0.8750	0.2500	5	29/04/1997	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310027	0.8750	0.6250	80	15/06/1996	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310030	0.8750	1.0000	48	17/09/1991	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310031	0.8750	1.0000	102	9/12/1989	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310032	0.8750	0.2500	124	1/02/1998	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310033	0.8750	1.0000	64	2/08/1960	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310034	0.8750	1.0000	35	23/02/1984	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310035	0.8750	0.6667	101	1/04/2000	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310036	0.8750	0.5000	100	9/09/1997	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310037	0.8750	1.0000	8	20/06/1993	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310039	0.8750	1.0000	114	24/03/1993	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310041	0.8750	1.0000	63	28/11/2004	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310042	0.8750	1.0000	220	16/05/1966	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310043	0.8750	1.0000	180.8875	13/11/1991	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310044	0.8750	1.0000	100	3/08/1991	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310045	0.8750	1.0000	60	25/08/1991	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310046	0.8750	0.6667	1.5	20/11/2002	HBP,Producing	Surface BTM Elk

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PA	O&G	Empire Energy E&P, LLC	370310047	0.8750	1.0000	51	11/01/1991	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310048	0.8750	1.0000	124	15/04/1960	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310049	0.8750	1.0000	101	4/03/1989	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310050	0.8750	0.5000	54.66	3/12/1996	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310051	0.8750	1.0000	101.52	18/09/1988	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310052	0.8750	1.0000	7.70625	14/10/2001	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310053	0.8750	1.0000	19	20/08/1986	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310054	0.8750	1.0000	20	15/09/2018	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310055	0.8750	0.6667	85.96	1/04/2018	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310056	0.8750	1.0000	83.189	1/04/2018	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310057	0.8750	1.0000	65	1/04/2018	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310058	0.8750	1.0000	35	18/12/2005	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310059	0.8750	1.0000	71	15/09/2018	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310060	0.8750	0.5000	40	1/06/1996	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370310061	0.8750	0.6667	85.33	15/09/2018	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370310062	0.8750	1.0000	120	22/08/2004	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370490179	0.7881	1.0000	223	23/03/1979	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490190	0.8488	1.0000	21.89	30/06/1979	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490191	0.8488	1.0000	17.78	11/07/1979	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490192	0.8488	1.0000	9	9/06/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490203	0.8488	1.0000	140	9/10/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490204	0.8488	1.0000	114.79	15/06/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490205	0.8488	1.0000	21.5	14/11/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490209	0.8222	1.0000	82	25/06/1984	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490213	0.8488	1.0000	38	16/06/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490222	0.7922	1.0000	115	18/12/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490223	0.7881	1.0000	124	4/05/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490224	0.8488	1.0000	9.51	18/06/2001	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490225	0.8488	1.0000	21.9	21/06/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490227	0.8222	1.0000	57	11/11/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490228	0.8488	1.0000	10.027	26/09/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490229	0.8488	1.0000	10.027	18/09/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490252	0.8488	1.0000	31.68	3/12/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490253	0.8488	1.0000	48.07	1/12/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490254	0.8488	1.0000	45	10/04/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490255	0.8488	1.0000	233	5/07/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490256	0.8488	1.0000	120.55	20/09/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490257	0.8488	1.0000	19	31/03/2001	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490290	0.8167	0.9255	44.07	6/11/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490291	0.8488	1.0000	92.46	22/12/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490292	0.8488	1.0000	98.5	18/05/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490293	0.8488	1.0000	202.17	9/05/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490294	0.8488	1.0000	81	8/10/2002	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490314	0.8488	1.0000	57	29/10/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490321	0.8488	1.0000	96.58	7/08/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490335	0.7881	1.0000	39	8/07/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490336	0.7881	1.0000	280	26/07/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490337	0.7881	1.0000	38.93	6/07/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490338	0.8488	1.0000	13.76	7/05/1984	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490339	0.7881	1.0000	47.84	28/06/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490340	0.8488	1.0000	109	16/02/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490345	0.8488	1.0000	21.12	31/08/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490354	0.7881	1.0000	93	30/06/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490355	0.7881	1.0000	25	27/06/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490356	0.8488	1.0000	2.58	25/06/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490376	0.8488	1.0000	225	21/11/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490405	0.8488	1.0000	50	23/04/1987	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490418	0.8488	1.0000	138.75	22/09/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490419	0.8488	1.0000	137	2/03/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490420	0.7881	1.0000	75	24/08/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490421	0.8488	1.0000	100	1/05/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490433	0.8488	1.0000	175	11/08/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490445	0.8488	1.0000	99.19	18/09/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490475	0.8488	1.0000	100	24/11/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490498	0.8488	1.0000	75	14/08/1987	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490501	0.8488	1.0000	119.2	20/08/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490512	0.7881	1.0000	225	26/07/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490520	0.7881	1.0000	20	20/08/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490553	0.8488	1.0000	50	1/03/1987	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490556	0.8488	1.0000	80	16/01/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490613	0.8488	1.0000	187	17/11/1996	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490640	0.8488	1.0000	50	15/03/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490659	0.7881	1.0000	100	10/08/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490660	0.8488	1.0000	67	16/06/1988	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490661	0.7881	1.0000	38	4/07/1986	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490662	0.8488	1.0000	0.94	8/07/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490675	0.8488	1.0000	434.21	17/11/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490678	0.8488	1.0000	20	4/11/1990	HBP, Producing	All Horizons

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PA	O&G	Empire Energy E&P, LLC	370490679	0.8488	1.0000	95	3/06/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490680	0.8488	1.0000	20	5/08/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490681	0.8488	1.0000	50	2/05/1981	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490682	0.8488	1.0000	36	23/06/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490683	0.8488	1.0000	21	5/06/1982	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490688	0.8488	1.0000	152.48	6/08/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490693	0.8488	1.0000	151	8/04/1985	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490699	0.8488	1.0000	100	9/10/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490715	0.8488	1.0000	23.75	22/03/1980	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490725	0.8488	1.0000	271.12	29/12/1979	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490726	0.8488	1.0000	140.13	27/04/1978	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490750	0.8222	1.0000	139.9	19/01/1987	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490751	0.8222	1.0000	225	17/10/1983	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490752	0.8488	1.0000	89.59	15/06/1989	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490753	0.8488	1.0000	28	27/04/2001	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490754	0.8488	1.0000	10.86	19/01/1987	HBP, Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370490943	0.7881	1.0000	97	25/04/1982	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490944	0.7881	1.0000	98	6/07/1981	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490945	0.7881	1.0000	175	8/02/1982	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490946	0.7881	1.0000	127.14	14/04/1980	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490947	0.8488	0.7350	165	27/06/1981	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490948	0.7881	1.0000	37	9/08/1986	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490949	0.7881	1.0000	82	3/07/1986	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490950	0.7881	1.0000	170	12/09/1980	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490951	0.7881	1.0000	216	2/06/1986	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370490952	0.7881	1.0000	150	11/03/1987	HBP, Producing	Surface Top Queenstn
PA	O&G	Empire Energy E&P, LLC	370650001	0.8750	1.0000	44	28/12/2018	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650003	0.8750	1.0000	86	4/05/1945	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650004	0.8750	1.0000	35	3/08/1963	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650005	0.8750	1.0000	106	27/05/1950	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650006	0.8750	1.0000	140	27/05/1950	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650007	0.8750	0.2500	221	12/12/1997	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370650009	0.8750	1.0000	36	17/06/1945	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650010	0.8750	1.0000	84	6/01/1951	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650011	0.8750	1.0000	40	27/01/1960	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650012	0.8750	1.0000	108	18/02/2003	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650014	0.8750	1.0000	76	10/10/2000	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650015	0.8750	1.0000	76	10/10/2000	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650016	0.8750	1.0000	135	7/04/1961	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370650017	0.8750	1.0000	200	5/04/1960	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650018	0.8750	1.0000	22	25/01/1987	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650019	0.8750	1.0000	73.73	31/01/1995	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650020	0.8750	1.0000	177	2/01/1961	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650021	0.8750	1.0000	133.4	13/03/1992	HBP,Producing	All Horizons
PA	O&G	Empire Energy E&P, LLC	370650022	0.8750	0.8000	32	3/08/1962	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650023	0.8750	1.0000	42	7/04/1993	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650024	0.8750	1.0000	101	13/06/1939	HBP,Producing	Surface BTM Elk
PA	O&G	Empire Energy E&P, LLC	370650025	0.8750	0.8000	104	25/09/1964	HBP,Producing	Surface BTM Elk

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<u>State</u>	<u>Minerals</u>	<u>Operator</u>	<u>Empire ID</u>	<u>NRI</u>	<u>WI</u>	<u>Acresage</u>	<u>Maturity</u>	<u>Status</u>	<u>Formation</u>
NY	ROW	Empire Energy E&P, LLC	RW310090001	N/A	1.0000	N/A	28/08/2042	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090002	N/A	1.0000	N/A	10/10/2042	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090003	N/A	1.0000	N/A	7/06/2032	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090048	N/A	1.0000	N/A	24/08/2094	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090007	N/A	1.0000	N/A	1/04/2084	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090037	N/A	1.0000	N/A	23/09/2103	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090100	N/A	1.0000	N/A	21/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090101	N/A	1.0000	N/A	22/11/2082	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090102	N/A	1.0000	N/A	28/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090103	N/A	1.0000	N/A	21/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090104	N/A	1.0000	N/A	24/02/2083	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090105	N/A	1.0000	N/A	4/01/2083	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090106	N/A	1.0000	N/A	22/11/2082	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090107	N/A	1.0000	N/A	6/01/2083	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090108	N/A	1.0000	N/A	5/12/2082	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090109	N/A	1.0000	N/A	28/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090110	N/A	1.0000	N/A	27/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090111	N/A	1.0000	N/A	28/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090112	N/A	1.0000	N/A	27/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090113	N/A	1.0000	N/A	28/08/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090114	N/A	1.0000	N/A	14/12/2083	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090115	N/A	1.0000	N/A	29/11/2082	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090116	N/A	1.0000	N/A	21/07/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090117	N/A	1.0000	N/A	12/08/2081	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090118	N/A	1.0000	N/A	29/11/2082	Right of Way	Surface
NY	ROW	Empire Energy E&P, LLC	RW310090119	N/A	1.0000	N/A	21/07/2081	Right of Way	Surface

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KS	O&G	Empire Energy E&P, LLC	150090008	0.7885	0.9282	160	17/09/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090010	0.6567	0.9282	140	9/02/1984	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090011	0.7130	0.9282	42	9/02/1984	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090012	0.6686	0.7872	160	10/05/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090013	0.7885	0.9282	80	11/06/2006	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090014	0.7885	0.9282	-	11/06/2006	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090015	0.4950	0.5848	160	14/04/1969	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090016	0.7869	0.9282	40	22/05/1938	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150090017	0.7393	0.9282	80	1/05/1953	HBP, Producing	All Horizons
6,359 feet and above or the base of Viola and above, whichever is greater									
KS	O&G	Empire Energy E&P, LLC	150330001	0.7547	0.9282	-	19/11/1993	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330002	0.7547	0.9282	160	9/09/1995	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330003	0.7547	0.9282	-	20/08/1995	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330004	0.7547	0.9282	-	16/09/1995	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330005	0.7393	0.9282	160	6/07/1985	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330006	0.7393	0.9282	320	22/06/1985	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330007	0.7393	0.9282	160	22/06/1985	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330008	0.7393	0.9282	160	6/07/1985	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150330009	0.7393	0.9282	120	22/06/1985	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510001	0.7869	0.9282	100	23/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510002	0.7869	0.9282	160	23/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510003	0.7869	0.9282	160	28/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510004	0.7869	0.9282	160	28/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510005	0.7869	0.9282	160	23/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510006	0.7869	0.9282	80	23/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510007	0.7869	0.9282	160	2/04/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510008	0.7284	0.8600	240	26/03/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510009	0.7288	0.8600	160	9/06/1954	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510010	0.7288	0.8600	-	23/05/1954	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510011	0.7159	0.8600	160	23/08/1954	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510012	0.7159	0.8600	-	9/09/1954	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510013	0.7284	0.8600	10	31/01/1929	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510014	0.4964	0.5848	160	8/02/1929	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510015	0.7644	0.9282	70	4/04/1946	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510016	0.7339	0.9282	160	26/07/1971	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510017	0.7241	0.9282	75	14/12/1981	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510018	0.7339	0.9282	146	29/04/1971	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150510019	0.4244	0.5000	160	8/02/2013	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630001	0.5839	0.6880	160	3/04/2009	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630002	0.5839	0.6880	160	3/04/2009	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630003	0.7682	0.9900	240	7/12/2010	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630004	0.7682	0.9900	1520	23/09/2010	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630005	0.7682	0.9900	160	30/09/2010	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630006	0.7682	0.9900	160	30/09/2010	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630007	0.7682	0.9900	160	30/09/2010	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150630022	0.8750	1.0000	160	28/07/2020	Leased, Paid Up	All Horizons
KS	O&G	Empire Energy E&P, LLC	150650001	0.6267	0.7872	160	3/09/1952	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150650002	0.7306	0.9282	160	3/02/1954	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150650006	0.8425	1.0000	160	15/08/2016	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	150970001	0.6457	0.7680	80	19/04/1965	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190004	0.1170	0.1546	160	29/03/1982	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190004	0.1010	0.1336	160	29/03/1982	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190005	0.0372	0.0481	160	29/07/2012	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190006	0.0560	0.0700	148.68	28/02/2014	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190007	0.0560	0.0700	-	1/04/2013	HBP, Producing	All Horizons
KS	O&G	Oolite Energy, Corp.	151190008	0.1145	0.1469	153.03	11/04/2013	HBP, Producing	All Horizons
KS	O&G	Vess Oil Corporation	151350001	0.1997	0.2436	160	26/03/1987	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151450001	0.7734	0.9282	160	19/06/1949	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151510001	0.7869	0.9282	160	21/03/1950	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151550001	0.6461	0.9282	80	30/03/1937	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151630001	0.4863	0.5848	160	12/06/1957	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151630002	0.7869	0.9282	160	6/04/1946	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151630003	0.7869	0.9282	160	30/04/1952	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151630004	0.7885	0.9282	160	25/11/1988	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151650001	0.7376	0.9282	160	24/10/1970	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670001	0.5318	0.6261	20	20/03/1933	HBP, Producing	All Horizons
KS	O&G	Murfin Drilling Company, Inc.	151670002	0.1221	0.1553	70	21/10/1939	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670003	0.5318	0.6261	-	20/03/1933	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670004	0.5318	0.6261	-	20/03/1933	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670006	0.3343	0.3936	80	10/05/1928	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670007	0.4948	0.5848	160	14/04/1928	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670008	0.7284	0.8600	80	10/12/1928	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670009	0.4948	0.5848	40	16/05/1928	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670010	0.6686	0.7872	160	10/08/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670011	0.6686	0.7872	-	6/12/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670012	0.7869	0.9178	160	16/02/1945	HBP, Producing	All Horizons

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KS	O&G	Empire Energy E&P, LLC	151670013	0.7076	0.8600	160	20/02/1944	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670018	0.7885	0.9282	200	30/10/1973	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670019	0.7885	0.9282	240	30/03/1989	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670020	0.7284	0.8600	40	2/02/1945	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670021	0.7284	0.8600	160	6/02/1944	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670022	0.7289	0.8600	160	6/02/1944	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670023	0.7284	0.8600	220	12/02/1944	HBP, Producing	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151670024	0.0005	0.0000	320	N/A	Fee	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151670025	0.0002	0.0000	-	N/A	Fee	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151670026	0.0002	0.0000	-	N/A	Fee	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151670027	0.0015	0.0000	-	N/A	Fee	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670028	0.7885	0.9282	160	14/09/1992	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151670029	0.8750	1.0000	80	6/02/2020	Leased, Paid Up	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850001	0.7284	0.8600	80	6/06/1949	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850002	0.7869	0.9282	70	29/05/1952	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850003	0.7869	0.9282	70	5/02/1947	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850004	0.4948	0.5848	100	20/04/1938	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850004	0.7284	0.8600	120	20/04/1938	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850007	0.7869	0.9282	80	19/05/1946	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850008	0.7869	0.9282	160	14/06/1946	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850009	0.6571	0.7872	160	6/10/1949	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850010	0.7284	0.8600	99	10/06/1949	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850011	0.7393	0.9282	160	2/03/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850012	0.7393	0.9282	160	9/04/1986	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850013	0.7390	0.9282	160	24/02/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850014	0.7390	0.9282	-	24/02/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850015	0.7390	0.9282	-	24/02/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850016	0.7390	0.9282	-	24/02/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850017	0.7390	0.9282	40	8/03/1991	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850018	0.7885	0.9532	80	30/06/2002	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850019	0.4244	0.5000	160	3/02/2012	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850020	0.4244	0.5000	-	3/02/2012	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850021	0.4244	0.5000	-	3/02/2012	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850022	0.4244	0.5000	-	18/01/2013	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850023	0.4244	0.5000	160	18/01/2012	HBP, Producing	All Horizons
KS	O&G	Empire Energy E&P, LLC	151850024	0.4244	0.5000	-	18/01/2012	HBP, Producing	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151850030	0.0008	0.0000	160.54	N/A	Fee	All Horizons
KS	Minerals	Empire Energy E&P, LLC	151850031	0.0010	0.0000	80	N/A	Fee	All Horizons

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KS	O&G	Empire Energy E&P, LLC	151950001	0.8000	1.0000	80	24/04/1990	HBP, Producing	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710020	0.8125	1.0000	160	28/01/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710021	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710022	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710023	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710024	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710025	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710026	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710027	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons
OK	O&G	Empire Energy (MidCon) LLC	350710028	0.8125	1.0000	160	3/03/2018	Leased, Paid Up	All Horizons

EMPIRE ENERGY GROUP LIMITED - PETROLEUM TENEMENTS (AUSTRALIA)

<u>State</u>	<u>Contract/ Deed Type</u>	<u>Operator</u>	<u>IOG ID</u>	<u>WI</u>	<u>NRI(1)</u>	<u>Area Km2</u>	<u>Maturity</u>	<u>Status</u>	<u>Formation</u>
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 180	1.0000	0.8800	14,950	N/A	In negotiation	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 181	1.0000	0.8800	14,460	N/A	In negotiation	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 182	1.0000	0.8800	12,550	N/A	In negotiation	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 183	1.0000	0.8800	860	N/A	In negotiation	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EP 184	1.0000	0.8800	11,220	21/08/2021	Granted	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 187	1.0000	0.8800	2,998	20/03/2020	Granted	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA 188	1.0000	0.8800	1,453	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA319	1.0000	0.8800	88	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA320	1.0000	0.8800	4	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA321	1.0000	0.8800	7	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA322	1.0000	0.8800	10	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA323	1.0000	0.8800	288	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA324	1.0000	0.8800	4	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA325	1.0000	0.8800	31	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA326	1.0000	0.8800	23	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA327	1.0000	0.8800	6	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA328	1.0000	0.8800	5	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA329	1.0000	0.8800	15	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA330	1.0000	0.8800	7	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA331	1.0000	0.8800	8	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA332	1.0000	0.8800	5	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA333	1.0000	0.8800	7	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA334	1.0000	0.8800	66	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA335	1.0000	0.8800	6	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA336	1.0000	0.8800	24	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA337	1.0000	0.8800	12	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA338	1.0000	0.8800	3	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA339	1.0000	0.8800	2	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA340	1.0000	0.8800	4	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA341	1.0000	0.8800	24	N/A	moratorium ending 21/11/2018	All Horizons
NT	O&G	Imperial Oil & Gas Pty Ltd	EPA342	1.0000	0.8800	29	N/A	moratorium ending 21/11/2018	All Horizons

(1) Note: The NRI is an approximation only and has been calculated as follows:

- a. Typically the Northern Territory state royalty system is based on a notional 10% wellhead value, ad valorem type royalty with deduction for certain expenses including costs associated with transportation of product to market. Typically this reduces the effective ad valorem royalty to ~7% of well head value.
- b. In addition, the Company will pay both a royalty and a 'Blue Sky Profit' under the terms of the actual and proposed terms of agreement with the Traditional Land Owners for each lease. These arrangements are 'Confidential' but would add around a further 4% to 5% in royalties at current well head values.