

MPG Empire Gas & Fuel Co.

Contractor: Barker Bros.

Sec. 34 T. 31 R. 10 E.

Farm: Lisco No. 1

Location: near C SW NE

Comm. April 12, 1923

County: Elk

Comp. May 19, 1923

I. P.-- Dry Hole.

Casing: 15 1/2"-22', 12 1/2"-445', 10"-864', 8 1/2"-1410', 6 5/8"-2165'

Formation

Thickness Depth

Formation	Thickness	Depth	Formation	Thickness	Depth
soil	7	7	lime black	123	1265
mud red	10	17	shale blue	5	1290
lime	14	31	lime	5	1295
shale blue	19	50	water sand	5	1300
lime	35	85	shale sandy	42	1342
shale blue	15	100	lime	28	1370
lime	10	110	shale black	12	1382
rock red	5	115	lime	63	1445
lime sandy	25	140	shale black	10	1455
# BW at 130			shale blue	10	1465
shale	15	155	lime	10	1475
lime	20	175	shale blue	54	1529
slate	15	190	lime	11	1540
lime	30	220	shale blue	5	1545
shale brown	5	225	lime	12	1557
slate	25	250	shale blue	63	1620
lime sandy	30	280	lime Oswego	20	1640
chat blue	7	287	shale black	16 W	1673
lime sandy	25	312	lime Oswego	32	1705
slate sandy	23	335	shale black	35	1740
lime HFW	17	352	shale	105	1845
lime sandy	3	355	shale sandy	30	1875
rock red	40	395	shale blue	15	1890
shale blue	52	447	rock red	15	1905
hole caving			shale blue	20	1925
shale blue	178	625	rock red	5	1930
lime	5	630	shale blue	72	2002
shale blue	40	670	oil sand	18	2020
lime sandy	9	679	lime	48	2068
shale sandy	23	702	shale brown	2	2070
shale white	143	845	lime	35	2105
shale brown	6	851	water sand	13	2118
lime	19	870	lime	5	2123
shale black	20	890	water sand	12	2135
lime	15	905	lime	5	2140
shale blue	18	923	sand	5	2145
lime	20	943	lime	27	2162
shale blue	152	1095	shale black	57	2239
lime	5	1100	lime black	31	2270
shale blue	62	1162	shale black	40	2310
			lime	18	2328
			lime sandy	7-	2335
			lime	18	2353

I.D.

Empire Gas & Fuel Co.,
 Loc.-660'N. 660'E. Cen. Sec.

5828

Lisco #1
 Sec. 34-31-10
 Elk County, Kansas.

I. P. Dry
 Elev.

Dr. Comm.-4-12-23
 Dr. Comp.-5-19-23

CASING RECORD

15½" 22' pulled 21'
 12½" 445 " all
 10 864 "
 8¼ 1410 "
 6 5/8 2185'2" "

soil	7	lime	1370
mud red	17	shale black	1382
lime	31	lime	1445
shale blue	50	shale black	1455
lime	85	shale blue	1465
shale blue	100	lime	1475
lime	110	shale blue	1529
rock red	115	lime	1540
lime sandy	140	shale blue	1545
shale	155	lime	1557
lime	175	shale blue	1620
slate	190	lime	1640 Oswego
lime	220	shale black	1673
shale brown	225	lime	1705
slate	250	shale black	1740
lime sandy	280	shale blue	1830
chat blue	287	shale light	1845
lime sandy	312	shale sandy	1875
slate sandy	335	shale blue	1890
lime	352 HFW	rock red	1905
lime sandy	355	shale blue	1925
rock red	395	rock red	1930
shale blue	447	shale blue	2002
shale blue	625	oil sand	2020
lime	630	lime	2068
shale blue	670	shale brown	2070
lime sandy	679	lime	2105
shale sandy	702	water sand	2118 HFW
shale white	845	lime	2123
shale brown	851	water sand	2135
lime	870	lime	2140
shale black	890	sand	2145
lime	905	lime	2182
shale blue	923	shale black	2239
lime	943	lime black	2270
shale blue	1095	shale black	2310
lime	1100	lime	2328
shale blue	1162	lime sand	2335
lime black	1285	lime	2353 T.D.
shale blue	1290		
lime	1295		
water sand	1300		
shale sandy	1342		