

Company Empire

Farm Murphy

No. 73

31-25-5E
Sec. 31 T. 25 R. 5E

Loc. Appr C SW SW NE 1/4

County Butler

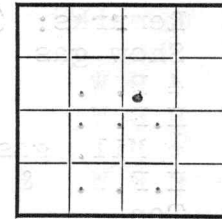
Total Depth 2478

Comm. Sept. 13, 1917 ^{Comp.} Mar. 21, 1918

Shot or Treated

Contractor Dittman

Issued



Casing
 20 in. 20 ^{Pulled} 10 in 986 ^{pulled} 2"-2467
 15 1/2 705 8 1/4 1640 ^{pulled}
 12 1/2 705 6 5/8 2260
 13 3/8 5 3/16 2450

Elevation 1385.6

Production I.P./24 hrs-175 bbls
After 6 mos-7 bbls; 1 yr-
10 bbls

Figures Indicate Bottom of Formation

<u>Formation</u>	<u>Depth</u>	<u>Formation</u>	<u>Depth</u>
Lime	30	Slate	1620
Lime	100	Slate	1725
Red rock	110	Slate	1750
Lime	135	Slate	1800
Lime	170	Lime	1825
Slate	200	Lime	1835
Slate	345	Lime	1840
Slate	420	Lime	1875
Slate & shells	575	Lime	1900
Slate	635	Slate	1950
Sand & slate	680	Lime	1990
Sand	690	Lime	2030
Slate	705	Lime	2085
Slate	735	Lime	2130
Sand	743	Slate	2200
Slate	775	Slate	2250
Lime	815	Slate	2270
Slate	845	Slate	2300
Lime	860	Lime	2305
Slate	870	Slate	2330
Lime	890	Lime	2345
Slate	900	Slate	2370
Lime	918	Lime	2385
Sand	930	Slate	2390
Slate	965	Slate	2400
Slate	1075	Lime	2410
Lime	1090	Slate	2430
Slate	1120	Slate	2460
Lime	1200	Slate	2472
Slate	1245	Sand	2472
Lime	1250	Oil	2475
Sand	1260	T.D.	2478
Sand	1283		
Slate	1298	Remarks:	
Lime	1333	Water	310
Slate	1413	3 B.W.	475
Lime	1420	5 B.W.	590
Sand	1450	Oil	690
W. sand	1524	15 B.W.	655
Sand	1530	H.F.W.	930
Slate	1600		
Gas sand	1610	over	

Remarks: (cont.)

Show gas	1283
4 B.W.	1300
H.F.W.	1500
1/2 Mil. gas	1520-30
H.F.W. & gas flow	1530
Top	2472 SLM
6' in sand 400' oil in hole	

CDH

Depth	Formation	Depth	Formation
1480	Shale	80	Lime
1490	Shale	100	Lime
1500	Shale	120	Red rock
1510	Shale	140	Lime
1520	Shale	160	Lime
1530	Shale	180	Shale
1540	Shale	200	Shale
1550	Shale	220	Shale
1560	Shale	240	Shale
1570	Shale	260	Shale
1580	Shale	280	Shale
1590	Shale	300	Shale
1600	Shale	320	Shale
1610	Shale	340	Shale
1620	Shale	360	Shale
1630	Shale	380	Shale
1640	Shale	400	Shale
1650	Shale	420	Shale
1660	Shale	440	Shale
1670	Shale	460	Shale
1680	Shale	480	Shale
1690	Shale	500	Shale
1700	Shale	520	Shale
1710	Shale	540	Shale
1720	Shale	560	Shale
1730	Shale	580	Shale
1740	Shale	600	Shale
1750	Shale	620	Shale
1760	Shale	640	Shale
1770	Shale	660	Shale
1780	Shale	680	Shale
1790	Shale	700	Shale
1800	Shale	720	Shale
1810	Shale	740	Shale
1820	Shale	760	Shale
1830	Shale	780	Shale
1840	Shale	800	Shale
1850	Shale	820	Shale
1860	Shale	840	Shale
1870	Shale	860	Shale
1880	Shale	880	Shale
1890	Shale	900	Shale
1900	Shale	920	Shale
1910	Shale	940	Shale
1920	Shale	960	Shale
1930	Shale	980	Shale
1940	Shale	1000	Shale
1950	Shale	1020	Shale
1960	Shale	1040	Shale
1970	Shale	1060	Shale
1980	Shale	1080	Shale
1990	Shale	1100	Shale
2000	Shale	1120	Shale
2010	Shale	1140	Shale
2020	Shale	1160	Shale
2030	Shale	1180	Shale
2040	Shale	1200	Shale
2050	Shale	1220	Shale
2060	Shale	1240	Shale
2070	Shale	1260	Shale
2080	Shale	1280	Shale
2090	Shale	1300	Shale
2100	Shale	1320	Shale
2110	Shale	1340	Shale
2120	Shale	1360	Shale
2130	Shale	1380	Shale
2140	Shale	1400	Shale
2150	Shale	1420	Shale
2160	Shale	1440	Shale
2170	Shale	1460	Shale
2180	Shale	1480	Shale
2190	Shale	1500	Shale
2200	Shale	1520	Shale
2210	Shale	1540	Shale
2220	Shale	1560	Shale
2230	Shale	1580	Shale
2240	Shale	1600	Shale
2250	Shale	1620	Shale
2260	Shale	1640	Shale
2270	Shale	1660	Shale
2280	Shale	1680	Shale
2290	Shale	1700	Shale
2300	Shale	1720	Shale
2310	Shale	1740	Shale
2320	Shale	1760	Shale
2330	Shale	1780	Shale
2340	Shale	1800	Shale
2350	Shale	1820	Shale
2360	Shale	1840	Shale
2370	Shale	1860	Shale
2380	Shale	1880	Shale
2390	Shale	1900	Shale
2400	Shale	1920	Shale
2410	Shale	1940	Shale
2420	Shale	1960	Shale
2430	Shale	1980	Shale
2440	Shale	2000	Shale
2450	Shale	2020	Shale
2460	Shale	2040	Shale
2470	Shale	2060	Shale
2480	Shale	2080	Shale
2490	Shale	2100	Shale
2500	Shale	2120	Shale
2510	Shale	2140	Shale
2520	Shale	2160	Shale
2530	Shale	2180	Shale
2540	Shale	2200	Shale
2550	Shale	2220	Shale
2560	Shale	2240	Shale
2570	Shale	2260	Shale
2580	Shale	2280	Shale
2590	Shale	2300	Shale
2600	Shale	2320	Shale
2610	Shale	2340	Shale
2620	Shale	2360	Shale
2630	Shale	2380	Shale
2640	Shale	2400	Shale
2650	Shale	2420	Shale
2660	Shale	2440	Shale
2670	Shale	2460	Shale
2680	Shale	2480	Shale
2690	Shale	2500	Shale
2700	Shale	2520	Shale
2710	Shale	2540	Shale
2720	Shale	2560	Shale
2730	Shale	2580	Shale
2740	Shale	2600	Shale
2750	Shale	2620	Shale
2760	Shale	2640	Shale
2770	Shale	2660	Shale
2780	Shale	2680	Shale
2790	Shale	2700	Shale
2800	Shale	2720	Shale
2810	Shale	2740	Shale
2820	Shale	2760	Shale
2830	Shale	2780	Shale
2840	Shale	2800	Shale
2850	Shale	2820	Shale
2860	Shale	2840	Shale
2870	Shale	2860	Shale
2880	Shale	2880	Shale
2890	Shale	2900	Shale
2900	Shale	2920	Shale
2910	Shale	2940	Shale
2920	Shale	2960	Shale
2930	Shale	2980	Shale
2940	Shale	3000	Shale
2950	Shale	3020	Shale
2960	Shale	3040	Shale
2970	Shale	3060	Shale
2980	Shale	3080	Shale
2990	Shale	3100	Shale
3000	Shale	3120	Shale
3010	Shale	3140	Shale
3020	Shale	3160	Shale
3030	Shale	3180	Shale
3040	Shale	3200	Shale
3050	Shale	3220	Shale
3060	Shale	3240	Shale
3070	Shale	3260	Shale
3080	Shale	3280	Shale
3090	Shale	3300	Shale
3100	Shale	3320	Shale
3110	Shale	3340	Shale
3120	Shale	3360	Shale
3130	Shale	3380	Shale
3140	Shale	3400	Shale
3150	Shale	3420	Shale
3160	Shale	3440	Shale
3170	Shale	3460	Shale
3180	Shale	3480	Shale
3190	Shale	3500	Shale
3200	Shale	3520	Shale
3210	Shale	3540	Shale
3220	Shale	3560	Shale
3230	Shale	3580	Shale
3240	Shale	3600	Shale
3250	Shale	3620	Shale
3260	Shale	3640	Shale
3270	Shale	3660	Shale
3280	Shale	3680	Shale
3290	Shale	3700	Shale
3300	Shale	3720	Shale
3310	Shale	3740	Shale
3320	Shale	3760	Shale
3330	Shale	3780	Shale
3340	Shale	3800	Shale
3350	Shale	3820	Shale
3360	Shale	3840	Shale
3370	Shale	3860	Shale
3380	Shale	3880	Shale
3390	Shale	3900	Shale
3400	Shale	3920	Shale
3410	Shale	3940	Shale
3420	Shale	3960	Shale
3430	Shale	3980	Shale
3440	Shale	4000	Shale
3450	Shale	4020	Shale
3460	Shale	4040	Shale
3470	Shale	4060	Shale
3480	Shale	4080	Shale
3490	Shale	4100	Shale
3500	Shale	4120	Shale
3510	Shale	4140	Shale
3520	Shale	4160	Shale
3530	Shale	4180	Shale
3540	Shale	4200	Shale
3550	Shale	4220	Shale
3560	Shale	4240	Shale
3570	Shale	4260	Shale
3580	Shale	4280	Shale
3590	Shale	4300	Shale
3600	Shale	4320	Shale
3610	Shale	4340	Shale
3620	Shale	4360	Shale
3630	Shale	4380	Shale
3640	Shale	4400	Shale
3650	Shale	4420	Shale
3660	Shale	4440	Shale
3670	Shale	4460	Shale
3680	Shale	4480	Shale
3690	Shale	4500	Shale
3700	Shale	4520	Shale
3710	Shale	4540	Shale
3720	Shale	4560	Shale
3730	Shale	4580	Shale
3740	Shale	4600	Shale
3750	Shale	4620	Shale
3760	Shale	4640	Shale
3770	Shale	4660	Shale
3780	Shale	4680	Shale
3790	Shale	4700	Shale
3800	Shale	4720	Shale
3810	Shale	4740	Shale
3820	Shale	4760	Shale
3830	Shale	4780	Shale
3840	Shale	4800	Shale
3850	Shale	4820	Shale
3860	Shale	4840	Shale
3870	Shale	4860	Shale
3880	Shale	4880	Shale
3890	Shale	4900	Shale
3900	Shale	4920	Shale
3910	Shale	4940	Shale
3920	Shale	4960	Shale
3930	Shale	4980	Shale
3940	Shale	5000	Shale
3950	Shale	5020	Shale
3960	Shale	5040	Shale
3970	Shale	5060	Shale
3980	Shale	5080	Shale
3990	Shale	5100	Shale
4000	Shale	5120	Shale
4010	Shale	5140	Shale
4020	Shale	5160	Shale
4030	Shale	5180	Shale
4040	Shale	5200	Shale
4050	Shale	5220	Shale
4060	Shale	5240	Shale
4070	Shale	5260	Shale
4080	Shale	5280	Shale
4090	Shale	5300	Shale
4100	Shale	5320	Shale
4110	Shale	5340	Shale
4120	Shale	5360	Shale
4130	Shale	5380	Shale
4140	Shale	5400	Shale
4150	Shale	5420	Shale
4160	Shale	5440	Shale
4170	Shale	5460	Shale
4180	Shale	5480	Shale
4190	Shale	5500	Shale
4200	Shale	5520	Shale
4210	Shale	5540	Shale
4220	Shale	5560	Shale
4230	Shale	5580	Shale
4240	Shale	5600	Shale
4250	Shale	5620	Shale
4260	Shale	5640	Shale
4270	Shale	5660	Shale
4280	Shale	5680	Shale
4290	Shale	5700	Shale
4300	Shale	5720	Shale
4310	Shale	5740	Shale
4320	Shale	5760	Shale
4330	Shale	5780	Shale
4340	Shale	5800	Shale
4350	Shale	5820	Shale
4360	Shale	5840	Shale
4370	Shale	5860	Shale
4380	Shale	5880	Shale
4390	Shale	5900	Shale
4400	Shale	5920	Shale
4410	Shale	5940	Shale
4420	Shale	5960	Shale
4430	Shale	5980	Shale
4440	Shale	6000	Shale
4450	Shale	6020	Shale
4460	Shale	6040	Shale
4470	Shale	6060	Shale
4480	Shale	6080	Shale
4490	Shale	6100	Shale
4500	Shale	6120	Shale
4510	Shale	6140	Shale
4520	Shale	6160	Shale
4530	Shale	6180	Shale
4540	Shale	6200	Shale
4550	Shale	6220	Shale
4560	Shale	6240	Shale
4570	Shale	6260	Shale
4580	Shale	6280	Shale
4590	Shale	6300	Shale
4600	Shale	6320	Shale
4610	Shale	6340	Shale
4620	Shale	6360	Shale
4630	Shale	6380	Shale
4640	Shale	6400	Shale
4650	Shale	6420	Shale
4660	Shale	6440	Shale
4670	Shale	6460	Shale
4680	Shale	6480	Shale
4690	Shale	6500	Shale
4700	Shale	6520	Shale
4710	Shale	6540	Shale

MURPHY # 73

Sec. 31, Twp. 28, Rng. 5, Butler County, Kansas.

Location

Production 175bbls. 1st 24 hrs.

200' N

from cen. sec.

206' E

Sand Record

1st. 2472-2475 3'

2nd. 2475-2478 3'

Casing record

12 1/2

705'

15 1/2

20' pulled out

10

986' pulled out

8 1/2

1640' pulled out

6 5/8

2260'

5 3/16

2450'

Drilling commenced 9/13/17

Drilling completed 3/21/18

Total Depth 2478'

Lime	30	30
lime	70	100
redrock	10	110
lime	35	135
lime	35	170
slate	30	200
slate	145	345
slate	75	420
slate shells	155	575
slate	60	635
sand slate	45	680
sand	10	690
slate	45	735
sand	8	743
slate	32	775
lime	40	815
slate	30	845
lime	15	860
slate	19	879
lime	20	899
slate	10	909
lime	18	927
sand	12	939
slate	35	974
slate	110	1084
lime	15	1099
slate	30	1129
lime	80	1209
slate	45	1254
lime	5	1259
sand	10	1269
sand	23	1292
slate	15	1307
lime	35	1342
slate	80	1422
lime	7	1429
sand	30	1459
sand	74	1533
sand	6	1539
slate	70	1609
sand	10	1619
slate	10	1629
slate	105	1734

water at 310

oil

HPW

show of gas

HPW

Water 1500

Gas

MURPHY # 73(cont)

slate	25	1750
slate	50	1800
lime	25	1825
lime	10	1835
lime	5	1840
lime	35	1875
lime	25	1900
slate	50	1950
lime	40	1990
lime	40	2030
lime	55	2185
lime	45	2130
slate	70	2200
slate	50	2250
slate	20	2270
slate	30	2300
lime	5	2305
slate	25	2330
slate	15	2345
slate	25	2370
lime	15	2385
slate	5	2390
slate	10	2400
lime	10	2410
slate	20	2430
slate	30	2460
slate	12	2472
sand	2475	
sand	3	2478

oil.
Total Depth.