

State **Kansas** County **Pawnee**

Company **G-M-R Oil Co. and Newmont** Well No. **2**

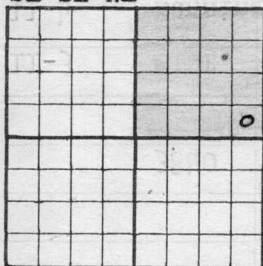
Farm **Dufford "B"**

Survey -

Block No. Sec. **18** Twp. **21S** Range **15W**

Co-Ord. **C.P. 3650-75** Elev. **1963 KB**

SE SE NE Rig #1 **1958 Gr**



55% - Newmont Oil-Co.
35% - G-M-R Oil Co.
10% - Wm. Graham Oil Co.

ORI (gas)
Cities Service Oil Co (Am 55621)

Geol: **Vernon Hess**

NOTE: Show Sketch of Lease and Well Location in Above Space

2310 Ft. from N. Line Ft. from S. Line

Ft. from W. Line **330** Ft. from E. Line

Date	Depth	
		SPD 10-22-54
10-22		Digging pits. MIRT Today.
10-23	936	Anhydrite (+1027)
	942	Drlg (To run surface)
10-25		8 5/8" @ 946' w/400 sx cem,
		5 gel, 5 c.c. PD 4:30 pm 10-23
	2018	Drlg
10-26	2571	Drlg
10-27	2968	Drlg
10-28	3320	Drlg

Date	Depth	
		703466
10-29	3585	Drlg
10-30	3316	Heebner (-1353)
	3350	Douglas (-1387)
	3416	Brown Lansing (-1453)
	3426	Lansing (-1463)
	3678	Conglomerate (-1715)
	3754	Simpson (-1791)
	3762	Drlg
11-1	3795	Arbuckle (-1832)
	DST 3835-40', op 1 hr. Gas to surf in 1½ mins. (Est 1½M) Rec 60' gassy mdy oil, 60' froggy oil. BHP-1210 5½" @ 3840' w/75 sx cem, P.D. 6 p.m. 10-31	
	3840	R.T.D.
		WOCT
11-3	MICT.	DOC to 3840. Ran L-W log.
11-4	Running tubing.	
11-5	Perf 3826-32' w/22 ^s	
	Completed at 3½M cfg natural	
	Kans-Nebr test 12-27-54 - Absolute Open Flow 1,047,000 cfg	
1-8-55	MICT - Workover: Attempting to squeeze off gas to produce oil.	
1-10	Squeezed perf 3826-32 w/20 gals. plastic. Displaced 3½ gals. brid	

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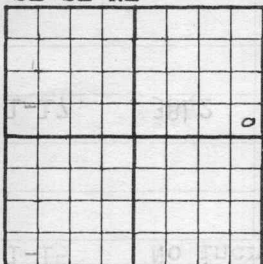
Farm Dufford "B"

Survey

Block No. Sec. 18 Twp. 21S Range 15W

Co-Ord. C.P. 3650-75 Elev. 1963 KB

SE SE NE



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NOTE: Show Sketch of Lease and Well Location in Above Space

Ft. from N. Line

Ft. from S. Line

Ft. from W. Line

Ft. from E. Line

Date	Depth	shoe. Sample showed some oil and gas. Testing.
1-11	3842	D.D. 2'; swb 10 BOPH natural, very little gas. In 12 hrs had decr to 5 BOPH, 3-4% wtr, a little gas. Testing.
1-12	3843	D.D. 1'. Swb 11½ BOPH, 2% wtr in 2 hrs. Then swb 6.68 BOPH, 24% wtr 3rd hr and 6.68 BOPH, 20% wtr 4th hr and approximately same for 3 hours.

Date	Depth	703466
	3845	D.D. 2'. Swb from 8-10 BFPH, 30-36% wtr for 12 hrs. Getting ready to squeeze.
1-13	3841	Squeezed w/10 gals rosin cem. Filled up to 3841'. WOC
1-14	3841	DOC. Swb 1/4 BF, 40% wtr 1st hr; 1 1/2 BF, 34% wtr in 2 hrs; After 6 hrs wtr had decreased to 10%. After 12 hrs, swb 1 1/2 BFPH, 6-7% wtr. Perf 3838-40' w/8 ^S . Getting ready to test.
1-15	No incr	after perf. Washed with two 20 gals & 30 gals treatments acid. After 2nd, swb 1.67 BO, 10% wtr in 1 hr.
1-17	3842	Drilled out 1'. Swb 3 1/2 BOPH, 3% wtr. Acidized open hole and Perfs 3838-40 3840-42/w/100 gals & 50 bbls load oil. Set 2 hrs. Flowed 23 BOPH, 4% wtr for 5 hrs. Making app. 3M cfg/d. Shut-in. Ran tbg. Setting tank battery On 1-27-55 Flowing @ rate of 4 BOPH w/600# back pressure on line.

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Farm Dufford "B"

Survey

Block No. Sec. 18 Twp. 21S Range 15W

Co-Ord. Elev. 1963 KB

SE SE NE

CTU #1

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NOTE: Show Sketch of Lease and Well Location in Above Space

Ft. from N. Line

Ft. from S. Line

Ft. from W. Line

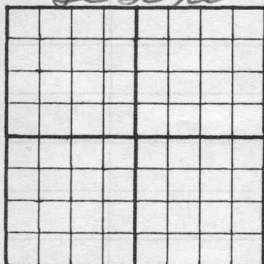
Ft. from E. Line

Date	Depth	
		WORKOVER - Well died. Was making app 80% wtr. Testing to determine if well should be recompleted in another zone.
4-4-55		MICT
4-5		Swabbed to start flowing. Fl thru tbg (wide open) 13½ BFPH, 60% wtr. Testing.
4-6		Fl 3 BO, 7 BWPH. Testing (Will shut down a few days.
4-7		Unit shut down. Letting well fl to test.

Date	Depth	703466
4-8	Squeezed Perfs 3838-40 & open hole 3840-42' w/50 sx cem. Displaced 15 sx Standing press.-2000#. WOC	
4-11	Ready to start up this morning.	
4-12	Perf ^{3711-17 w/188} 3727-33' w/15" s. Making 441,000 cfg (dry)	
4-13	Going to frac perfs/ ^{Conglomerate} 3727-33 & 3711-17 this morning.	
4-14	Fraced w/8000# sd, 186 bbls lse oil, 200 bbls sand-oil and 250 gals mud acid. Top press-1550#; dropped to 1350# in 10 mins. Making 5 BOPH and 5,000,000 cfg w/925# back press	
4-15	Rec 192 bbls load oil, 194 bbls to rec. Gas dried. Popping off @ 4,000,000 cfg/d with 600# tbg press and 900# csg press. (Btu 919, 2 grains H ₂ S/Mcf) Completed 4-14-55 @ esti. 10 Mil cfg/d. Shut in. W.O. connection.	
Connected 4-22-55		
3-4-57	Set retainer @ 3693' 120 sx 108 sx in @ 2700# standing pressure	

State Kansas County Pawnee
 Company M-R Well No. 2
 Farm Bufford B
 Survey _____
 Block No. _____ Sec. 18 Twp. 21 Range 15⁰⁰
 Co-Ord. _____ Elev. 1963 KB

Se Se Ne



Workover

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Ft. from N. Line

Ft. from S. Line

Ft. from W. Line

Ft. from E. Line

Date	Depth	
2-26-57		Killed well. Pulled Htg. Ran back w/retainer plug set @ 3693'
2-28		Sq. perf 3711-33 Out in 108 sq cen. Displaced 97 sq. 2700 [#] pressure.
3-9		DOC + CO to 3823' Perf. 3795-3805 w/40 ^s
3-11		Sub. load off - show gas

[illegible]