

State Kansas County Edwards

Company Gramehart-Miller Oil Co. Well No. 1

Farm Sturgeon

Survey

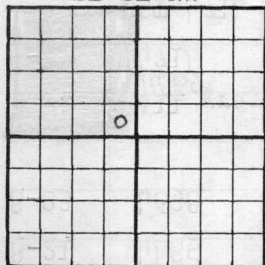
Block No. Sec. 33 Twp. 26S Range 18 W

Co-Ord. Elev. 2196 KB

SE SE NW

Rig #4

W.C.



50% Chicago Group
 50% Gramehart-Miller
 DHM Carter-\$6,000-Gulf-\$4000
 Carter Oil Co - FO 31218
 (C.D.Geiger or G.R.Lewis)
 Gulf Oil Corp.-AM 28445
 (K.W. Bumgarner)

T. Wright - Geol. W.H.Duley, Box 544, Chase, Ks.
 NOTE: Show Sketch of Lease and Well Location in Above Space

Ft. from N. Line 330 Ft. from S. Line

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

Date	Depth	
		MI 8-7 and Spd 8-8-54
8-9		8 5/8" @ 320' w/250 sx cem, 5 gel. 500. P.D. 5:20 a.m. 8-9-54
8-10	694	Drlg
8-11	1962	Drlg
8-12	2498	Drlg. Lost circ.
8-13	2866	Drlg
8-14	3218	Drlg
8-15	3592	Drlg

712649

Date	Depth	
8-16	3918	Drill pipe stuck. Will spot oil. (Elev. 2193 DF)
8-17	3918	Motor trouble -- down.
8-18	3982	Drlg
8-19	3943	Heebner (-1747)
	4089	Brown Lime (-1893)
	4102	Lansing (-1906)
	4203	Drlg
8-20	DST 4236-53'	Op 1½', Cl 20". Gas to surface - 20". St. bl. Rec 530' Oil & 2 GW. IF 165, FF 165, BHP 1275#.
	4326	Drlg
8-21	4485	Drlg
8-23	4638	Kinderhook (-2442)
		Cored 4644-68. Full recovery.
		All gray, fine Conglomerate, N/S
8-24	4669 4714	Drlg Viola (-2518)
	DST 4714-37'	Op 60", Cl 15". Gd Bl. thru test. Rec 1190' gas and 88'
		O&GCM. BHP 780# - still building
	4737	Drlg.
8-25	4787	Simpson (-2591)
	DST 4785-4800'	Op 60", Cl 25". Rec. 1425' fluid (30' mdy oil, 90' mud and 1305' SW) IF 0, FF 700. BHP 1590#

Date	Depth	712649
9-2		Fishing
9-3	4910	D.D.
9-7	4920	D.D. Bailed 5 bbls salt wtr.
		per hour. Set plug @ 4760.
		Perf ^{Viola} 4721-26 w/24 shots.
		Acidized w/1000 gals. Swb 2 BOPH 1½
		BOPH for 8 hrs.
		Acidized w/3000 gals. Swb 23 BO & 7
		BW in 1½ hrs; 31 BO & 2 BW in 3 hrs;
		21 BO & 3 BW in 3 hrs; 25 BO & 1½ BW
		in 3 hrs; 25 BO & 1½ BW in 3 hrs.
		Total 125 BO & 15 BW in 13½ hrs.
		Final test 8½ BO, no wtr/hr
		(Well started flowing thru tubing)
9-8		Shut-in waiting on pumping
		equipment and potential
10-12		Completed installation of pumping equip
10-18		20 hr. pump test: 4½ BOPH 30% wtr.
10-21		(having wtr analyzed)
		Pmp 69 BO, 23 BW in 24 hrs. ending 8 a.
		m. 10-20 (Wtr has very high chloride
		content unusual for Viola. Didn't show
10-22		it was acid water, test not conclusive.
		could be either acid or formation wtr.
10-21		Pmp 87B fluid, 15% wtr in 24' end 8 a.m.

712649

Date	Depth	
10-29	Well pumped 635 BO +10% wtr in 5 days.	
	The pump was on shortest stroke w/400# top pressure on tubing)	
11-1	Pumped 31 $\frac{1}{2}$ BO, 10% wtr 2 1/2 hrs ended 8 am	10-30-54.
	Well shut-in for several days	
	Pumped 31 BO+10% wtr 2 1/2 hrs end 8 am 11-4	
	Pumped 35 BO+10% wtr 2 1/2 hrs end 8 am 11-5	
	Reported on 11-30 that well has been pumping 6 to 8 BOPD and 10% wtr for 2 weeks.	
11-29	MICT	
12-1	Testing Viola with swab. Have not been able to get good test will continue to swab (6 BOPD and 10% wtr)	
	Bailed 6 GOPH + 2 BWPH	
12-2	Set plug @ 4274. Perf ^{Lance} 4243-48 w/20 ^s . Bailed 9 GFPH (3GO+6GW)	
	Preparing to acidize	
12-3	Acidized thru perms w/250 gals Swb 6 BOPH and 1/3 BWPH	
12-4	Swb 4 BOPH & about 1/2 BWPH. Ran tubing and rods. Completed work. and Moved off tools 12-6-54	
12-20-54	State Potential - 120 BOPD, 6% wtr.	
3-19-58	4243-48	Treated w/1500 gal. gel acid. went in on vac. POP - no increase