

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY

UNION NATIONAL BANK BLDG WICHITA, KANSAS

NW SW SE

Location 1007' fr SL 212' fr WL SE

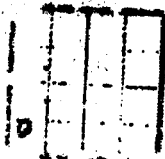
Sec. 14 T.32 R. 2E.

DEEPENING RECORD

Casing Record

County- Sumner.

10" 1292 Farm- Emrich No. 4
 20" 90 8" 1844 Company- Roxana Petr. Corp.
 15" 400 65/8" 1994 Contr.-
 12" 970 53/16" Comm.- 11/4/27. Comp.- 12/6/27.
 Total Depth 2908 Shot Quarts Between
 Correspondence regarding This Well Should Be Referred to



Figures Indicate Bottom of Formations.

Elevation Initial Production 3117 bbls.

Date Issued. 11-2-35

Formation	Depth	Formation	Depth	Formation	Depth.
soil	20	shale	945	lime	1770
sand HFV20-40	40	sand HFV	965	shale	1775
lime	45	lime	975	lime 8BWPFR	1805
shale 20" at 90	120	slate	990	shale	1830
sdv lime	140	lime	995	lime	1834
shale	145	shale	1030	shale	1840
red rock	150	lime	1035	lime	1844
lime	170	shale	1040	8 1/2 1844	
blue mud	175	lime	1045	lime	1851
sdv lime	195	shale	1090	shale	1994
blue mud	215	lime	1115	lime brown	1995
lime	245	shale	1130	lime sdv	2010
shale	255	lime	1140	sdv shale	2095
sdv lime	330	shale SLM 1143	1143	1st show oil	2010
blue mud	340	lime	1148	sand grey fine	2098
red rock	550	shale	1155	SLM at 2098-1800' oil	
lime	405	lime	1170	in hole no water.	
shale	420	shale	1190	sand shale mostly	
red rock	430	lime	1193	shale	2103
lime	440	red rock	1199	sand and shale grey	2109
sdv lime	450	lime	1200	1800' oil in hole.	
slate	460	sand oil grey	1214	goos how gas at	2109
lime	470	Brown streak some		TD	2109
White slate	475	blue shale		Plugged back to	2105
lime	500	shale	1228	2105-204 SLC	
white slate	505	lime	1240		
slate	515	shale	1280		
lime	530	sand Oil	1282		
red rock	560	Ran steel line	450' oil		
lime	580	in hole.			
sdv limo	600	blue shale 11BW	1284		
slate	615	lime	1287		
shale	625	Pyrite-Calcite Crystals			
lime	650	hard no Inc in oil			
sdv lime 2BWPFR	665	lime hard	1292		
lime	690	lime	1300		
slate	695	shale	1320		
lime	715	lime	1324		
slate	720	shale	1330		
lime	730	brkn lime	1350		
slate	740	hard lime	1363		
lime	745	shale	1372		
slate	750	lime	1435		
lime	775	sand 5BWPFR	1445		
shale	800	lime	1570		
lime	805	shale	1590		
shale	825	lime	1605		
slate	850	shale	1640		
lime	860	shale	1720		
slate 4BWPFR	880	lime	1724		
lime	890	shale	1735		
slate	900	lime	1745		
lime	925	blk shale	1756		
slate	935	shale	1765		

OVER

SHELL PETROLEUM CORP.
Olson Drilling Co.
E.P. Emerich, No. 4

NW SW SE. 14-32-2E.

Rotary 2091-2877 Cable 2877-2908
DEEPENING RECORD.

Comm. 9-18-35 Comp. 10-8-35.
Prod. Established Potential of 1150 bbls.
Oil

shale	2112
shale	2117
sand	2142
broken lime	2157
broken lime	2160
shale	2343
shale	2399
broken lime	2420
sand	2435
lime	2437 $\frac{1}{2}$
lime	2465
broken lime	2496
lime	2505
sdv lime	2525
sand and shale	2532
lime	2533
shale	2563
lime	2577
lime	2606
broken lime and shale	2635
sdv shale	2653
shale	2683
broken lime and shale	2718
shale	2732
lime sdv	2742
broken lime	2772
shale and lime shells	2785
shale	2824
shale and lime shells	2842
shale	2850
sdv shale	2857
shale	2859 $\frac{1}{2}$
chert conglomerate	2860
slight show oil.	
dolomite	2867
2867 equals 2877 SLC	
dolomite	2877
1000' oil in hole 9 hours	2877
1100' oil in hole 9 hours	2885
slight increase 2889-2894	
2600' oil in hole 2899 in 34 hr.	
increase 2907-2908	
hole full oil 2908 in 44 hours.	

dolomite 2908
Total Depth.
Acidized with 4000 gal acid.
Pumped 273 bbls oil in 8 hrs.
averaged 30 bbls per hr.

pumped 75 bbls oil in 2 hours.

acidized with 8000 gal.
pumped and flowed 140 $\frac{1}{2}$ bbls oil
and no water in 4 hours.
pumped 117 bbls oil in 7 hours.
pumped 133 $\frac{1}{2}$ bbls oil in 4 hours.
acidized with 12,000 gal acid.
pumped and flowed 204 bbls oil
5 hours.

Pumped 125 bbls oil and 64 bbls water
in 4 hours.

Established potential of 1150
bbls oil. Potential calculated
by multiplying total gauges
of last 3 hours of 5 hour test
by 7.416, pumping hourly
gauges as follows.

75.20; 59.00; 52.03;
52.08; 50.92;