

DEEP ROCK OIL CO.
Baumer No. 4.

SEC. 27 T. 11 R. 17W
NW NE NW
330' fr NL 1650' fr WL

DEEPENING RECORD

Total Depth. 3663' PB 3617'
Comm. 4-29-37 Comp. 5-27-37
Shot or Treated.
Contractor. Helmerich & Payne, Inc.
Issued. 4-10-48

County. Ellis.



Elevation.

Production. Pot. 3062 B.

Figures Indicate Bottom of Formations.

lime, rock & shale	20	lime grey	2535	Summary
lime & clay	40	lime strks shale	2560	Anhydrite (Cimmaron) 1278
clay shale	130	shale red drk	2565	Neva Ls. 2450
lime hrd	140	shale lime	2580	Tarkio formation 2800
sand, shale & shells	265	lime grey	2595	Topeka Ls. show oil in samples 3010
shale red & shells	415	lime & strks shale red & black	2610	Show of oil in samples 3040-60
shale blue	510	shale red & blue & shells	2680	Show of oil in samples 3110-60
sand	540	lime	2695	Show of oil in samples 3280-00
shale blue	560	shale & shells	2730	Show of oil in samples 3350-60
sand & shale	590	shale red blue	2745	Lansing-Kansas City formation 3395
shale	620	shale, lime	2755	Show of oil in samples 3430-60
shale blue	645	shale	2775	Show of oil in samples 3500-23
sand	700	lime white	2800	Simpson Formation 3523
sdv shale	750	shale & shells	2850	Simpson Sand-trace oil in samples 3525
shale hrd	830	shale grey	2900	Top Siliceous lime oil 3527
shale	870	brkn lime & shale	2925	T.D. (25' in) 3552
sand	900	lime brown sdv	2935	
shale	1025	lime blue shale	2955	
R.R. shells & iron	1070	brkn lime	2970	
R.R. streaks of sand	1150	lime brown, white & shale grey	3010	
R.R. & shells	1210	lime brown	3020	
R.R. shells	1230	lime hrd	3055	
shale & shells	1245	lime brown & grey	3090	
sdv shale	1260	lime hrd	3110	
shale & shells	1270	lime white	3135	
red bed shale	1278	lime grey, white	3170	
anhydrite	1365	brkn lime cherty	3180	
red bed	1375	lime	3190	
shale & iron	1390	lime cherty grey	3210	
red rock	1525	lime cherty	3240	
red rock & shells	1640	lime brown, grey, cherty, hard	3260	
shale	1645	lime white grey	3280	
salt	1680	lime cherty grey & white	3320	
shale red & shells	1695	lime flakey white	3335	
shale blue, shells	1815	lime flakey white red	3340	
shale & shells	1840	shale red, green blue, sandy	3350	
brkn lime	1910	lime brown grey, oil showing	3360	
red bed, shale & shells	1985	lime broken brown, white	3375	
lime	2020	lime white, grey, hrd	3390	
brkn lime	2040	lime white & grey	3490	
lime	2070	lime grey, white med.	3510	
shale	2095	shale red & blue	3515	
sdv lime	2180	lime grey & white hrd	3523	
lime hrd	2205	Simpson formation	3525	
sdv lime	2230	Simpson sand trace of oil	3527	
brkn lime	2250	Siliceous lime	3552	
lime hrd	2270	Total Depth.		
lime sharp	2283			
sdv lime	2310			
shale & shells	2340			
shale & shells red	2370			
shale green red	2375			
shale red	2400			
red rock lime	2410			
shale red	2450			
lime & thin strks shale	2490			
shale	2515			
lime	2525			

Note:
All measurements from
top of rotary table.

(OVER)

DEEPENING RECORD

Contr- Bradley Tickel Drilling Co.

Comm. 3-26-47

Comp. 5-10-47

Prod - 32 oil, 364 wtr

Pulled rods&tbg

2277' fluid in hole, 570' wtr, 1707' of oil

C.O. to btm 3542' sand line meas., Halliburton line showed T.D. 3543

Swbd 60BQ. Well swbd 25BPH of fluid at 1808', Filled up 200' PH @ 1808' about all wtr. Drld deeper, 1530' down to fluid before starting to drill.

cement	3542-52
Arbuckle lime	3576
dolomite&wh lime	3580
dolomite	3586
dolomite&little gy green shale	3588
lime	3593
dolomite	3604
dolomite brwn w/some green shale	3606
dolomite lgt w/little green shale	3609
dolomite	3611
dolomite little chert	3614
dolomite brwn-good saturation in samples; washed out lot of free oil; after 8 hrs 1500' down to fluid, 230' oil on top of wtr	3616 $\frac{1}{2}$
Corrected depth	3618 $\frac{1}{2}$
After standing 24 hrs 200' more free oil on top of wtr; Fluid in hole 1200' down	
Halliburton steel line shows total depth	3620
dolomite	3629
lime chert	3634
Ran Schlumberger; Shows TD	3635
After being shut down 3 days found fluid level 1140' down, 750' oil, rest wtr	
dolomite	3645
dolomite & lime	3667
Halliburton line	3668
Total Depth.	

Acidized Arbuckle lime 3600-17

w/1000 Gals. 15% acid

After acidizing well pmpd 1 BQ &

13 BWPB. Pmpg test 24 BQ & 336

BW in 24 hrs. Potential 32 BQ

94% wtr, pmpd

Plugged back to 3617

5 $\frac{1}{2}$ " csg 3667 cemented

Temperature survey shows top of

cement outside of 5 $\frac{1}{2}$ " to be at

2960 - 7" csg perforated 3600-20

w/105 holes