

Roberts #1
SE/4 SE/4 NE/4 of Section 12-73-21W
Graham County, Kansas
Barnsdall Oil Company, etal

Commenced: August 15, 1945
 Completed: September 15, 1945

Sand and shale	0	156
Shale	156	218
Shale and shells	218	630
Shale	630	760
Sand	760	900
Sandy shale	900	1140
Shale and shells	1140	1250
Red bed and shale	1250	1280
Sand	1280	1490
Shale and red bed	1490	1760
Anhydrite	1760	1820
Shale and shells	1820	1890
Shale	1890	1975
Shale and shells	1975	2125
Shale and lime	2125	2225
Shale and shells	2225	2310
Broken lime and shale	2310	2465
Lime and shale	2465	2540
Shale and shells	2540	2575
Shale and lime broken	2575	2675
Shale and shells	2675	2780
Lime and shale	2780	2850
Shale and lime	2850	2860
Shale and shells	2860	2925
Shale and lime	2925	3110
Shale	3110	3130
Lime and shale	3130	3300
Lime	3300	3325
Lime and shale	3325	3390
Lime	3390	3460
K. C. Lime	3460	3508
Lime	3508	3655
Hard lime	3655	3661
Brown lime	3661	3665
Lime	3665	3674
Brown lime	3674	3681
Shale and brown lime	3681	3689
Broken lime and gray shale	3689	3696
Lime	3696	3700
TOTAL DEPTH	3700	

CASING RECORD

10 3/4" casing set at 158' and cemented
 with 80 sacks of cement.
 5 1/2" casing set at 3655' and cemented with
 150 sacks of cement.

STATE OF OKLAHOMA)

COUNTY OF TULSA)

I hereby affirm that the above and foregoing is a true and correct copy
 of the log of the Roberts #1 Well, located in the Southeast Quarter of the Southeast Quarter
 of the Northeast Quarter of Section 12, Township 7 South, Range 21 West, Graham County, Kansas.

HELMUTH & PATER, INC.

By H. H. Pater
 Assistant Treasurer

Subscribed and sworn to before me, a Notary Public, this 24th day of September, 1945.

commission expires July 23, 1947.

Chas. Griffin
 Notary Public