

15-145-00451-0000

Johnson No. 1
SW/4 SW/4 SE/4 Section 14-22S-16W,
Pawnee County, Kansas
Helmerich & Payne, Inc.

Commenced: June 4, 1945
 Completed: June 28, 1945

Surface clay, sand and shale	0	145	: Lime	3691	3728
Shale and shells	145	405	Lime and shale	3728	4024
Red bed and shale	405	470	Cherty conglomerate	4024	4042
Dark sand	470	560	Red chert and red shale	4042	4046
Red bed	560	815	Sandy shale (Simpson)	4046	4064
Red bed and shells	815	1016	Shale	4064	4070
Anhydrite	1016	1030	Arbuckle lime	4070	4095
Anhydrite and lime	1030	1047	Lime and chert	4095	4121
Shale and shells	1047	1070			
Red bed, shale and shells	1070	1405	TOTAL DEPTH	4121	
Shale, shells and salt	1405	1710			
Shale and shells	1710	1760			
Lime	1760	1855			
Lime and shale	1855	1955			
Lime	1955	2060			
Hard, sandy lime	2060	2125			
Lime and shale	2125	2170			
Lime	2170	2380			
Lime and shale streaks	2380	2445			
Lime and shale	2445	2515			
Lime and shale	2515	2695			
Shale	2695	2706			
Lime	2706	2720			
Shale and streaks lime	2720	2745			
Lime, broken	2745	2800			
Lime and shale	2800	2840			
Shale	2840	2885			
Shale and shells	2885	2930			
Lime	2930	2965			
Lime and shale	2965	3010			
Lime	3010	3050			
Lime and shale	3050	3216			
Lime	3216	3535			
Lime and shale	3535	3635			
Lime	3635	3670			
Lime and shale	3670	3691			

CASING RECORD

10-3/4" casing set at 717' and cemented with 300 sacks cement.

STATE OF OKLAHOMA)
) SS
 COUNTY OF TULSA)

I hereby affirm that the above and foregoing is a true and correct copy of the log of our Johnson No. 1 Well, located in the Southwest Quarter of the Southwest Quarter of the Southeast Quarter of Section 14, Township 22 South, Range 16 West, Pawnee County, Kansas.

HELMERICH & PAYNE, INC.

By William C. Wood Treasurer

Subscribed and sworn to before me, a Notary Public, this 2nd day of July, 1945.

Shirley Griffin
 Notary Public

My commission expires July 22nd, 1947.

