

ROTARY DRILLERS' LOG

OPERATOR: Rosen Oil Company  
605 Sutton Place  
Wichita, Kansas 67202

DRILLING COMMENCED: May 22, 1968

CONTRACTOR: Graves Drilling Co., Inc.  
505 Union Center  
Wichita, Kansas 67202

DRILLING COMPLETED: May 28, 1968

CASING RECORD: 11 Jts. 248' 10-3/4"  
cemented with 275 sacks  
30 Jts. 583' 8-5/8"  
cemented with 100 sacks  
105 Jts. 3388' 4-1/2"  
cemented with 100 sacks

LOCATION: Hill No. 3  
SW SW SW  
Section 27-23S-4W  
Reno County, Kansas

0 - 248	Sand & shale
248 - 286	Shale
286 - 584	Shale, shells & salt
584 - 1432	Lime & shale
1432 - 1708	Shale & sandy lime
1708 - 1735	Sandy lime
1735 - 2390	Lime & shale
2390 - 2489	Shale & lime
2489 - 2592	Sand & shale
2592 - 3007	Lime
3007 - 3190	Lime & shale
3190 - 3378	Shale & lime
3378 - 3391	Chat & lime
3391	Rotary Total Depth

RECEIVED  
SEP 26 2 23  
KCC WICHITA  
9-26-03

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

GRAVES DRILLING CO., INC.

By *John Graves*  
President

STATE OF KANSAS )  
                          ) ss:  
SEDGWICK COUNTY )

Subscribed and sworn to before me, a Notary Public, this 31st day of May, 1968.

*Betty Brandt*  
Betty Brandt Notary Public

My commission expires  
May 9, 1971

RECEIVED JUN 6 1968