

SINCLAIR OIL & GAS COMPANY
 H.J. VOHS LEASE
 WELL NO.3 NW-SW-NW
 SEC.13-T10S-R19W
 ROOKS COUNTY, KANSAS

Well No.3 - - Located 990 feet from South line and 330 feet from West line of NW/4.

Drilled and completed May 25, 1946.

Total Depth 3628' - - Total Plug Back Depth 3567'.

Well completed in Lansing-Kansas City Lime, with perforations through 7" O.D. casing as follows:

<u>Depth of Perforations</u>	<u>No. of Holes</u>
3325½' - 3329½'	12
3327' - 3332'	12
3330' - 3334½'	12
3382½' - 3388'	23

Casing Record

<u>Size</u>	<u>Total Length</u>	<u>Set at Depth</u>	<u>Condition</u>	<u>Cemented or Mudded</u>	<u>Estimated Feet Encased Cement</u>	<u>Number Sacks Cement Used</u>
10 3/4"	1470'	1470'	New	Cemented	1470'	400
7"	3619'	3619'	S.H.-Good	Mudded & Cemented	786'	200

Top cement plug in 7" O.D. casing at 3567'.

Drillers Log

Surface Soils	40'	Lime	2870
Shale & Shells	385	Shale-black	2895
Lime	425	Lime	2940
Shale & Shells	960	Shale & Lime	2980
Sand	1180	Lime & Shale(Top.)	3040
Shale	1210	Lime	3550
Red Bed & Shale	1350	Shale	3557
Shale & Lime Shells	1375	Congl. & Chert	3600
Shale Red Bed & Shells	1450	Lime	3628 T.D.
Anhydrite	1470		
Anhydrite	1490		
Lime-broken	1550		
Red Bed & Shale	1730		
Shale & Shells	1975		
Lime	2040		
Lime & Shale	2180		
Lime	2230		
Lime-bandy	2310		
Lime	2420		
Shale & Shells	2525		
Lime	2600		
Lime & Shale	2635		
Shale & Lime	2755		
Lime & Shale	2845		