

RUPE OIL COMPANY, INC.

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GEOLOGICAL REPORT

Rupe Oil Company, Inc.
#3-13 City of Stockton
NW-NE-SE (Bottom Hole Location) of Section 13-7S-18W
Rooks County, Kansas

September 15, 1983

Elevation: 1849' GL
1858' KB

Geologist: James L. Crisler
Commenced: August 14, 1983
Completed: August 27, 1983
Contractor: Aldebaran Drilling Co., Inc.
Casing Record: 13 3/8" Conductor at 96' with 80 sx. Common, 3% CaCl.
8 5/8" Surface at 1296' with 275 sx. Light, 1/4# Flocele,
2% CaCl. and 200 sx. Common, 3% CaCl.
5 1/2" production at 3423' with 150 sx. 50-50 Pozmix, 2% Gel,
18% Salt, 0.75% CFR-2 and 1/4# Flocele.
Hole Size: 7 7/8"
Samples: 10' from 2700' to RTD
Drill Time: 1' from 2700' to RTD
Electric Log: GR-N, Guard and Caliper
Drill Stem Tests: None
Total Depth: 3424' RTD TVD 3389'

Formation Tops and Significant Shows (All Measurements from Kelly Bushing)

True Vertical Depths calculated for Directional Hole.

	<u>Drill Time/Samples</u>	<u>TVD</u>	<u>Electric Log</u>	<u>TVD</u>
Anhydrite	1289 (+569)		1290 (+568)	--
B/Anhydrite			1323 (+535)	--
Topeka	2815	2793 (-936)	2817	2795 (-938)
Heebner	3027	3001 (-1143)	3029	3003 (-1146)
Toronto	3056	3030 (-1172)	3054	3028 (-1170)
Lansing	3076	3050 (-1192)	3073	3047 (-1189)
B/KC	3297	3258 (-1410)	3299	3260 (-1412)
Arbuckle	3375	3346 (-1488)	3377	3348 (-1490)
RTD	3420	3389 (-1531)	3409	3378 (-1520)

Lansing

3150-3161'
(3178'3183' TVD)

Limestone, light grey, crystalline
fossiliferous with scattered good intercrystalline porosity,
stain and show.

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Arbuckle
3375-RTD

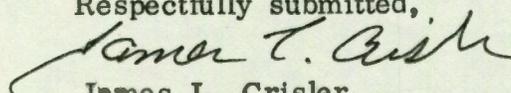
Dolomite, tan, fine to medium grained crystalline,
fair intercrystalline porosity, stain and show.

Discussion and Recommendation

The #3-13 City of Stockton is a development well extending the Western boundary of the Northern most Riffe Pool. This is a 10-acre offset West of the Arbuckle producing DaMar Oil Exploration's #1 Smith - NE-NE-SE of Section 13-7S-18W. The #3-13 ran from 1' to 4' high from the Topeka thru the Arbuckle, in which the #3-13 came in 2' high.

The #3-13 had shows in the Topeka, Toronto, Lansing 'G', 'H' and 'J' Zones, and the Arbuckle. These zones were not tested due to poor porosity or poor shows. The porosity and show found in the Arbuckle are the basis for my recommendation to set production casing through the zone.

Respectfully submitted,



James L. Crisler
Geologist

JLC:fwl