



RUPE OIL COMPANY, INC.

P.O. BOX 2273 · 434 OHIO, WICHITA, KANSAS 67201 · (316) 262-3748

GEOLOGICAL REPORT

Rupe Oil Company, Inc.
#1 Oden (Andrews)
SW SE NE Section 4-17S-8W
Ellsworth County, Kansas

December 8, 1980

Elevation: 1699' Derrick Floor
1701' Kelly Bushing
(Laughlin-Simmons)

Geologist: Martha Tetrick Kopper
Commenced: December 1, 1980
Completed: December 8, 1980
Contractor: ROCO Drilling, Inc.
Casing Record: 8-5/8" set at 289' w/200 sx. 60-40 Pozmix, 2% gel,
3% cacl.
Hole Size: 7-7/8"
Samples: 30' from 1100' to 1900'; 10' from 1900' to 2750';
5' from 2750' to Rotary Total Depth.
Drill Time; 1' time from 1100' to Rotary Total Depth.
Electric Log: GR-N, G, Caliper.
Drill Stem Tests: Five - See Significant Shows.
Cores: None
Total Depth: 3284' RTD: 3288' LTD.
Gas Detector: Davis Mud & Chemical, Inc.

FORMATION TOPS AND SIGNIFICANT SHOWS

(All measurements from Kelly Bushing)

	<u>Drill Time</u>	<u>Electric Log</u>
Herrington	1170 (+ 531)	1165 (+ 536)
Towanda	1283 (+ 418)	1278 (+ 423)
Red Eagle	1728 (- 27)	1740 (- 39)
Grand Haven	1944 (- 243)	1946 (- 245)

Formation Tops and Significant Shows

	<u>Drill Time</u>	<u>Electric Log</u>
Tarkio	2034 (- 333)	2034 (- 333)
Heebner	2603 (- 902)	2606 (- 905)
Brown Limestone	2724 (-1023)	2730 (-1029)
Lansing	2744 (-1043)	2749 (-1048)
Simpson	3232 (-1531)	3235 (-1534)
Arbuckle	3282 (-1581)	3285 (-1584)

Simpson

3226'-3234'

3236'-3244'

Sand, frosted, subrounded, light stain, good odor, some free oil, porosity poor to fair.

DRILL STEM TEST

#1

3208'-3242'

Open 30", Shut In 45", Open 60", Shut in 60"
Increasing weak blow on 1st opening. ISIP 1123#;
FSIP 1058#; IHP 1767#; FHP 1749#; IF 37-93#;
FF 93-186#. Recovered 330' salt water and 3' oil
cut muddy sediment with a show of oil on top of
the tool.

Simpson

3246'-3250'

Sand, light oil stain, slightly gray, frosted,
subrounded grains, fair odor, slight free oil,
porosity poor.

DRILL STEM TEST

#2

3244'-3250'

Open 30"; Shut In 45"; Open 5"; Shut in 30".
No blow on 1st or 2nd openings. IHP 1767#; FHP 1749#;
IF 9-9#; FF 18-18#; ISIP 1114#; FSIP 1096#.
Recovered 5' mud with specks of oil.

Simpson

3250'-3257'

Sand, slightly gray, frosted, subrounded, light
oil stain; fair odor; slight free oil; porosity poor.

DRILL STEM TEST

#3

3244'-3257'

Open 28", Shut in 45", Open 30", Shut In 33".
Weak blow both periods. IHP 1767#; FHP 1749#;
IF 18#; FF 18#; ISIP 1133#; FSIP 1040#. Recovered
5' mud with a show of oil.

Arbuckle

3282'-3284'

Dolomite, tan to white, very fine sugary texture.
Porosity poor to fair; little or no stain. Slight
free oil; fair odor.

DRILL STEM TEST

#4

3263'-3284'

Open 30"; Shut In 45"; Open 60"; Shut In 60";
Fair blow. ISIP 1151#; FSIP 1151#; IF 18-56#;
FF 56-130#. Recovered 240' salt water with a show
of oil.

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Lansing

2770'-2792'

Limestone, oolitic and oolitic; light oil stain; tan to cream; slight free oil; porosity poor.

DRILL STEM TEST

#5

2760'-2782'

(Straddle Packer)

Open 30", Shut In 45", Open 75", Shut in 60"
Gas to surface in 50", IF 28-37#, FF 37-56#;
ISIP 261#; FSIP 168#; Recovered 15' mud, 2700'
Gas in pipe.

DISCUSSION

This well ran 4 feet low on the Lansing, 2 feet low on the Simpson and 4 feet low on the Arbuckle, when compared to Leben Drilling Company's #1 Andrews, NW NE SE. It also ran 6 feet high on the Lansing when compared to Rupe Oil Company's #1 Andrews, E/2 NE SE. The Chase group, although running even to 2 feet high when compared to Rupe Oil Company's #1 Andrews, did not appear to have any gas as indicated by the gas chromatograph.

RECOMMENDATIONS

In view of the negative results of the drill stem tests and electric log calculations, it is recommended that the well be plugged and abandoned.

Respectfully submitted

RUPE OIL COMPANY, INC.

Martha Tetrick Kopper

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Geologist

MTK:maf