



# RUPE OIL COMPANY, INC.

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## GEOLOGICAL REPORT

### ANDREWS PROSPECT

The Andrews Prospect is the East Half (E/2) of Section 4, Township 17 South, Range 8 West, Ellsworth County, Kansas

#### INTRODUCTION

This Prospect consists of 320 acres in West Central Ellsworth County, and is located ten miles south of Ellsworth, Kansas, in the giant Genesco-Edwards Field area.

#### GEOLOGY

The Andrews Prospect is based on both sub-surface and seismic studies. A structure map on the top of the Lansing has been furnished for the purpose of this report. Most of the oil production in the Genesco-Edwards Field is from the Arbuckle, but some oil production is from the Simpson sand and Lansing. Gas is produced from the shallow Chase group and from the Lansing "A" zone.

Well 'A' on the Lansing map tested gas in the Lansing "A" zone, oil in the Simpson sand, and oil and water from the Arbuckle. The well was completed in the Simpson sand, but due to the economics of today, this well would be commercial in both the Arbuckle and Lansing "A" zones.

Well 'B' on the map is a "shut in" Chase group gas well. It has remained shut in because it is too far from the pipe line.

The Lansing structure map exhibits a structural high area slightly north of the center of the E/2 of Section 4-17S-8W.

#### CONCLUSIONS

That a high structural area exists in the approximate center of the E/2 of Section 4. Due to the good shows of oil and gas in Well 'A' it is recommended that an Arbuckle test be drilled in the SW SE NE of Section 4, T 17 S, R 8 W, and that a gas detector be used to check for both Chase and Lansing "A" zone gas.

To fully evaluate the Arbuckle, the test well should be drilled to 3400 feet.

Respectfully yours,

RUPE OIL COMPANY, INC.

*William G. Clement*  
William G. Clement,  
Petroleum Geologist

WGC:maj

ANDREWS PROSPECT

CN/2 N/2 SE of Sec. 4-17S-8W  
ELLSWORTH COUNTY, KANSAS

This 320 acre prospect located 9 miles south of the town of Ellsworth, Kansas and  $\frac{1}{2}$  mile north of the Geneseo - Edwards Pool which has produced approximately 79 million barrels primarily from the Lansing, Simpson and Arbuckle formations, is an attempt to establish commercial oil and/or gas production in the Lansing, Simpson and Arbuckle formations.

The Leben #1 Andrews located NW NE SE of Section 4 encountered the Lansing @ 2811 ft.  
- DST 2826-38, Open  $1\frac{1}{2}$  hr, Gas/4", guage 205MCFG, recovered 20' Mud, #1007-36-46-9 89/30.  
- DST 2848-53, Open  $1\frac{1}{2}$  hr, recovered 1800' GIP, 50' OCM, 30' WOCM, #761-27-55-652/30".  
The Lansing formation was never further evaluated through perforation and acidation.

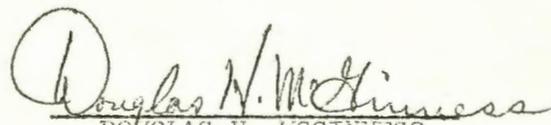
The Simpson formation was encountered @ 3286' - DST 3278-89, Open 1 hr, recovered 30' GIP, 30' SOCM #1152-46-46-1043/30"; DST 3289-3304, Open  $1\frac{1}{2}$  hr, recovered 30' OCM, 60' HOCM 60' SOCM, #1498-55-92-1425/30"; DST 3304-09, Open  $1\frac{1}{2}$  hr, recovered 90' GIP, 30' VHOCM, 60' HOCM, 60' SOCM, #1352-46-64-970/30"; DST 3307-14, Open 1 hr, recovered 150' OCMW, 200' SOCMW, 400' VSOCMW, #925-138-322-1007/30".

The Arbuckle formation was encountered @ 3350' - DST 3350-53, Open  $1\frac{1}{2}$  hr, recovered 120' OCMW, 120' SOCMW, 500' VSOCMW, 500' OCMW, 500' SOCMW, 300' VSOCMW, #1098-915-1098-1098/30"; DST 3373-76, Open  $1\frac{1}{2}$  hr, Recovered 1300' SW, #1134-313-607-1125/30".

Operator set casing @ 3375' and perforated the Simpson formation from 3303-05 and 3286-89'. The zones were treated separately; however, fluid recovery from the top zone was similar to the lower zone after a light acid stimulant which would indicate communication. Both zones were then acidized with a result of 27BO & 27BWP. The well produced 1,762 barrels oil prior to abandonment.

It is the writer's belief that the proposed location should encounter the Lansing, Simpson and Arbuckle formations structurally high with permeability and porosity for entrapment of hydrocarbons.

It is recommended that a 3350 foot test be drilled CN/2 N/2 SE of Section 4-17S-8W Ellsworth County, Kansas to attempt commercial oil and/or gas production from the Lansing, Simpson and Arbuckle formations. Should production be encountered as anticipated, Operator can expect reserves in the Simpson to be: 10 ft. pay X 350 bbl/acre foot x 20 acre spacing equals 70,000 gross barrels per well in addition to the Lansing and Arbuckle reserves.

  
DOUGLAS H. MCGINNESS  
PETROLEUM GEOLOGIST

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8500  
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