



# RUPE OIL COMPANY, INC.

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## GEOLOGICAL REPORT

### KING PROSPECT

Lots 1, 2, 3; S/2 NE/4 & SE/4 of Section 2, Township 26 South, Range 18 West,  
Edwards County, Kansas

#### INTRODUCTION

The King Prospect consists of 506 acres in South Central Edwards County, Kansas. It is approximately twelve (12) miles North of Greensburg, Kansas, and is one (1) mile West of the McClanahan Gas Pool, which produces from the Cherokee Sand and Mississippian Chert.

#### GEOLOGY

This Prospect is based on subsurface work. A Structure Map on the Top of the Mississippian Osage is furnished for the purpose of this Report. The King Prospect lies on the West flank of an asymmetrical anticline approximately seven (7) miles long which trends North - South on the East edge of T-26S-R-18-W. This anticline is slightly steeper on the West flank than the East. Along the top of this anticline are areas where the Mississippian Osage has been completely eroded away and this debris has been washed into the lower areas forming thicker Cherokee Sands. These Sands lie on the East and West flanks of the anticlinal structure and trap oil and gas in this area. The Pickrell Drilling Company's #1 King "E" (Well 'A' on Map) tested the interval 4564' - 4605'/open 30", shut in 30", open 90", shut in 60", had gas to surface in 7", gauged 1,233 MCF in 15", stabilized at 17 MCF and recovered 1300 feet of fluid--120' hgcm, 120' ho&gcm, 360' mgo, 60' thin o&gcm, 60'o&gcmw and 700' msw SIP 920-920#. FP 321-335# and 423-745#. The structure map shows that most of the East Half (E/2) of Section 2 is structurally higher than Well 'A' (on Map). The location is one where the Sand or Sands are present, but are structurally higher than the "show" hole, (Well 'A' on Map) and where the Mississippian Chert may also be favorable for oil and/or gas accumulation. In addition the Langdon Sand is 18 feet thick in the "show" hole, but is not present one (1) mile to the East. The proposed location may find the Langdon Sand at a favorable position to trap gas. This Sand produces gas approximately three (3) miles South where the Sand trend wedges or pinches out to the East.

#### CONCLUSIONS

That the Structural Map shows that the area immediately East of the "show" hole (Well 'A' on Map) is structurally higher and at a favorable position to trap oil and/or gas in the Cherokee Sand and the Mississippian Chert. In addition the Langdon Sand is prospective in the immediate area. It may take more than one (1) test to properly evaluate the area under lease due to the complex geology in the area.

Respectfully submitted,

RUPE OIL COMPANY, INC.

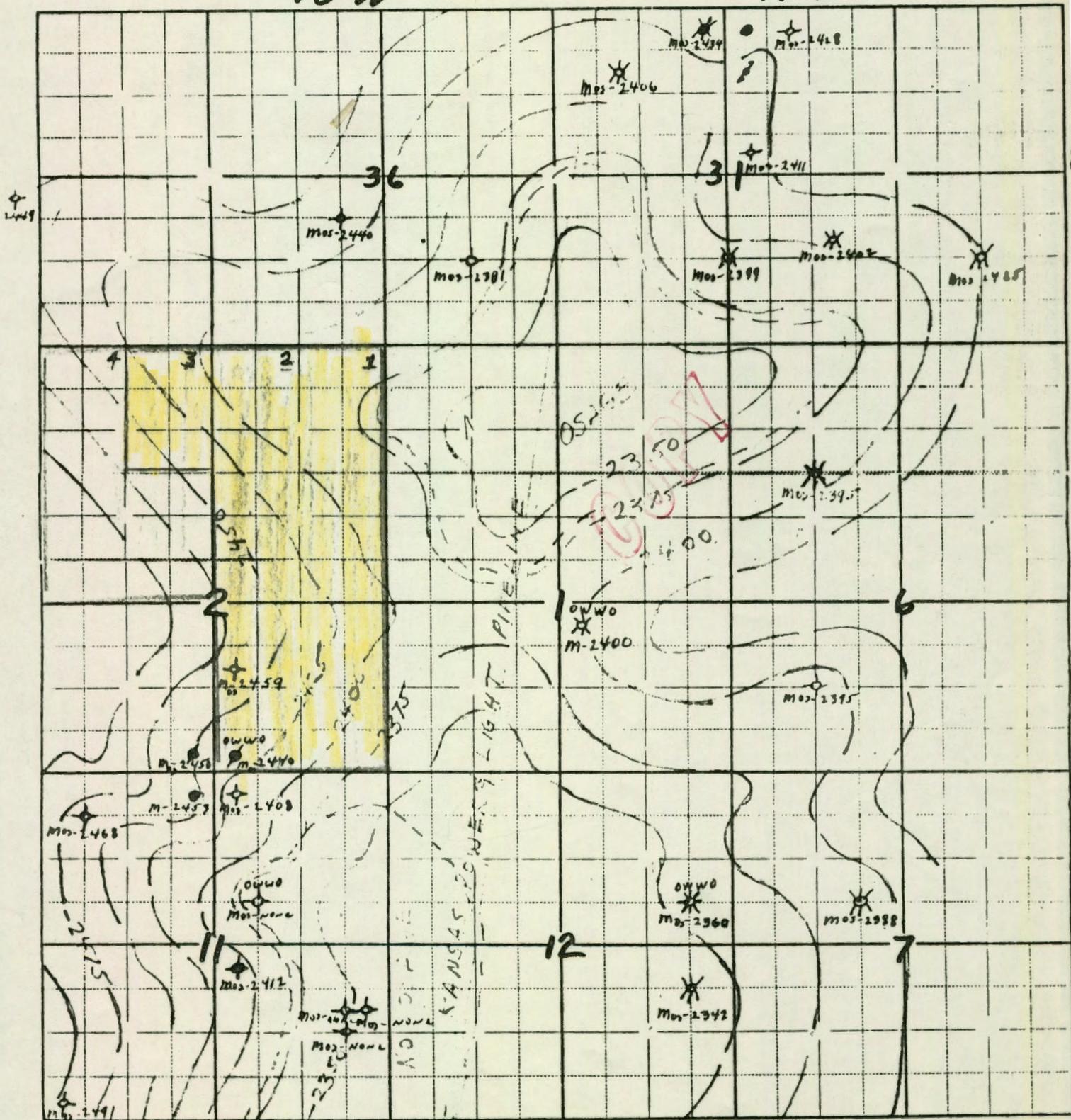
*William G. Clement*  
William G. Clement,  
Petroleum Geologist

KING PROSPECT

Township 26 South, Range 18 West, County Edwards, State KANSAS

18 W

17 W



**LEGEND**

- ☆ Abandoned Locat.
- ⊕ Dry Hole

FORM 53

STRUCTURE MAP - Top Mississippian

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