15-15-32W

Please Return to:

IMPERIAL OIL COMPANY
780 Fourth National Bank Bldg.
WICHITA, KANSAS 67202

GEOLOGICAL REPORT

MAHER NO. 1

C SW NE Sec. 15-1S-32W
Rawlins County, Kansas

OWLL

GEOLOGICAL REPORT

Company: Imperial Oil of Kansas, Inc.
Farm: Maher No. 1
Contractor: Imperial Oil of Kansas, Inc., Rig #2
Pool: Walsh

Rawlins County, Kansas
C SW NE Sec. 15-1-32W
Elevation: 2985 K.B.
Rotary Total Depth: 4210

Rotary Completed: 1-2-61

Geological Data:
Samples were examined from 2600' to Rotary Total Depth.
No electrical surveys were made.

Formation Tops

El 2983 DF

Anhydrite	2775 (+ 210)	+ 208
Topeka	3785 (- 800)	
Oread	3881 (- 896)	
Lansing	3932 (- 947)	DF - 949
Base Kansas City	4206 (-1221)	
Rotary Total Depth	4210 (-1225)	

Porosity and Shows of Oil

Oread 3881 (- 896)

3881-88 White finely crystalline very chalky fossiliferous limestone. Fair to poor fossiliferous porosity. No oil show.

Lansing 3932 (- 947)

3932-50 (Zone A) Gray to tan semi-lithographic limestone. Fair to poor porosity. No oil show.

3951-56 (Zone B) White finely crystalline chalky sandy limestone. Poor porosity. No oil show.

3982-88 (Zone C) Gray finely crystalline succrosic fossiliferous dolomitic limestone. Fair vugular porosity. Very spotty show free oil.

D.S.T. #1 3974-98 Open one-half hour, recovered 5' mud. ICIP 0#, IFP 0#, FFP 0#, FBHP 0#, in 20 minutes.

4011-15 (Zone E) White to gray finely crystalline semi-chalky vugular limestone. Fair vugular porosity. Spotty show free oil. Poor saturation.

D.S.T. #2 4005-30 Open one hour, recovered 490' salt water. ICIP 1170#, IFP 0#, FFP 0#, FBHP 1120#.

4068-72 (Zone F) Cream finely crystalline dense limestone. Poor vugular porosity. Poor spotty weak stain.

D.S.T. #3 4036-76 Open one-half hour, recovered 5' mud, ICIP 0#, IFP 0#, FFP 0#, FBHP 0#, in 20 minutes.

4011-16 (Zone H) Cream gray to tan finely crystalline chalky dolomitic limestone. Fair to poor crystalline porosity. Very spotty weak show free oil.

D.S.T. #4 4078-4122 Open one hour, recovered 15' very slightly oil cut mud. ICIP 810#, IFP 0#, FFP 0#, FBHP 120#, in 20 minutes.

4163-70 (Zone I) White finely crystalline dense fossiliferous limestone. Fair to poor fracture porosity. Trace dead oil stain. Judged no value.

4189-4206 (Zone J) Gray finely crystalline dense semi-chalky limestone. Poor porosity. No oil show.

Base Kansas City 4206 (-1221)

Rotary Total Depth 4210 (-1225)

The above test was plugged and abandoned on January 2, 1961.

IMPERIAL OIL OF KANSAS, INC.

By Gordon W. Keen
Gordon W. Keen
Geologist on Well