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35-14-13W

KCC

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BENNETT & SCHULTE OIL COMPANY  
P.O. Box 329  
Russell, Kansas 67665

GEOLOGICAL REPORT

Holland No. 1  
NW-NW-NE, Section 35,  
Twp. 14 South, Rge. 13 West  
Russell County, Kansas

15-16723 & 24

May 26, 1992

RECEIVED  
STATE CORPORATION COMMISSION  
SEP 8 1992  
CONSERVATION DIVISION  
Wichita, Kansas

Bennett & Schulte Oil Co.  
P.O. Box 329  
Russell, Kansas 67665

GEOLOGICAL REPORT:	Holland No. 1 NW-NW-NE, 35-14S-13W Russell County, Kansas
CONTRACTOR:	Emphasis Oil Operations Rig 6 Russell, Kansas 67665
DRILLING COMMENCED:	May 16, 1992
DRILLING COMPLETED:	May 22, 1992
CASING RECORD:	8 5/8 set at 611' with 265 sx. 5 1/2 set at approx. 3090'.
DRILLING TIME:	By Geologist. 1' intervals plotted and recorded from 2000' to 3091' R.T.D.
SAMPLES:	10' intervals from 2100' to 2320' then 10' intervals from 2500' to 3091' R.T.D.
DRILL STEM TESTS:	No drill stem tests were run on the Holland No. 1.
LOGS:	Radiation Guard Log Great Guns-Hays, Kansas
MUD TYPE:	Starch and salt mud Unibar-Great Bend, Kansas
ELEVATION:	American Elevations, Inc. Kelly Bushing 1685' Ground Level 1680' Measurements from K.B.

FORMATION TOPS  
(GREAT GUNS-R.A. GUARD LOG)

<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUM</u>
Anhydrite	608	+1077
Base-Anhydrite	639	+1046
Grand Haven	2155	-470
1st Tarkio Sand	2167	-482
Dover Lime	2179	-494
2nd Tarkio Sand	2188	-503
Tarkio Lime	2226	-541
3rd Tarkio Sand	2250	-565
Elmont	2300	-615
Topeka	2500	-815
Heebner	2736	-1051
Toronto	2756	-1071
Douglas	2772	-1087
Zansing-Kansas City	2810	-1125
Base-Kansas City	3080	-1395
Rotary Total	3091	-1406
Log Total	3091	-1406

Lithology: Zones of Interest

NOTE: All sample descriptions have been corrected to log measurements.

1st Tarkio Sand 2167 (-482)  
2167-76

SS; White to light gray, fine  
grained clusters, Micaceous.  
No free oil or odor.

Lithology: Page 2

2nd Tarkio Sand 2188 (-503)  
2188-2202

SS; White to light gray, fine to medium grained and micaceous. No free oil or odor. Shaley.

3rd Tarkio Sand 2250 (-565)  
2250-60

SS; Light gray, fine grained, with some medium sand clusters, micaceous. Poor porosity with no visible show. Gray and brown silty shales.

Topoka 2500 (-815)  
2670-74

LS; Buff, fossiliferous and slightly oolitic. Trace of stain in poor porosity. No free oil or odor.

Heebner 2736 (-1051)

Toronto 2756 (-1071)  
2757-59

LS; White to light gray, fine crystalline and dense. Trace of chert. No free oil or odor.

Douglas 2772 (-1087)  
2785-99

SS; Traces of white fine to medium grained micaceous sand clusters. Associated micaceous gray and green shales. No visible shows.

Lansing-Kansas City 2810 (-1125)  
2844-60  
C Zone

LS; White good oolitic and oolitic porosity with fair even brown saturation. Fair show of free oil and good odor.

2897-99  
F Zone

LS; White to buff, oolitic to poor oolitic porosity with rare spotty stain. Very slight show of free oil and faint odor.

2904-08  
G Zone

LS; White, fair oolitic porosity with spotty stain. Very slight show of free oil and fair odor. 50-60% barren porosity.

3008-12  
J Zone

LS; White, fine crystalline, barren oolitic and oolitic porosity. Slightly chalky. No visible show.

Rotary Total Depth 3091 (-1406)  
Log Total Depth 3091 (-1406)

REMARKS AND RECOMMENDATIONS

The Bennett & Schulte Oil Co. Holland No. 1 Lansing top was 1' lower than the Continental Oil Co. R.S. Hall No. 1-A drilled 330' south. The Lansing-Kansas City C Zone contained a fair show of oil and appears to be the only zone to be of commercial value.

The Tarkio Sands contained no visible shows of oil. The Topeka section, most notably the Plattsmouth section contained only minor shows of oil, not believed to be commercial.

With the relatively flat structure of the Lansing-Kansas City as well as the fair show in the C Zone pipe was set 1 foot off bottom. More hole is to be made as the top of the Arbuckle or Gorham Sand were not penetrated. The Arbuckle or Gorham Sand will be completed through the open hole to cut down on formation damage.

DMS/das

Respectfully Submitted,



David M. Shumaker  
Petroleum Geologist