7-8S-22W

Schaechly

K & E DRILLING, INC.
719 UNION CENTER BUILDING
WICHITA 2, KANSAS

TELEPHONE
HOBART 4-4301

GEOLOGICAL REPORT

Return to:
K & E DRILLING, INC.
719 Union Center Bldg.
WICHITA, KANSAS

K & E and B.O.A.

#1 STUCHLIK
C NE NE, Sec. 7-8S-22W
Graham County, Kansas

COMMENCED: July 23rd, 1958
July 30th, 1958

ELEVATION: 2186' KB
2183' DF

CASING: 8-5/8" set @ 225' with 160 sacks
4-1/2" set @ 3659' with 125 sacks

ELECTRICAL SURVEYS: Schlumberger "Gamma Ray-Neutron & Induction"

DRILL STEM TESTING: Five Tests by Halliburton

NOTE: All depths and data are relative to the Kelly Bushing and have been taken from the electric log measurements.

FORMATION RECORD

Tops	Depths	Subsea
Anhydrite	1812	(+374)
Heebner	3390	(-1204)
Toronto	3411	(-1225)
Lansing	3429	(-1243)
Base Kansas City	3633	(-1447)
R.T.D.	3660	(-1474)

OWLL

Top of the Lansing Kansas City at 3429'

3429-32 Light tan to white, finely crystalline to dense, oolitic, slightly cherty lime. Scattered fair vugular and oocastic porosity with spotted staining and a trace of saturation. Very slight trace of free oil in wet sample with no odor.

DRILL STEM TEST #1, 3419-45, open 1/2 hour, weak blow for 5 minutes. Recovered 30' very slightly oil cut mud.

Initial Bottom Hole Pressure in 20 min.	70 psi
Initial Flow Pressure	0 psi
Final Flow Pressure	0 psi
Final Bottom Hole Pressure in 20 min.	370 psi

3460-67 Light gray to tan, finely crystalline, oolitic, oherty lime, and light gray to buff, finely crystalline dolomite. Good vugular and oocastic porosity with staining and a trace of saturation, in the limestone. Some poor crystalline porosity with saturation in the dolomite. A very slight trace of free oil in wet sample with no odor.

DRILL STEM TEST #2, 3450-70, open 1½ hours with a strong blow. Recovered 2360' water - very slightly oil cut throughout.

Initial Bottom Hole Pressure in 30 min.	1270 psi
Initial Flow Pressure	80 psi
Final Flow Pressure	1110 psi
Final Bottom Hole Pressure in 30 min.	1210 psi

3501-09 White to light gray, finely crystalline, oolitic lime. Good vugular and oocastic porosity with spotted staining and very scattered saturation. Very slight trace of free oil in wet sample with no odor.

DRILL STEM TEST #3, 3488-3511, open 1½ hours with a strong blow throughout. Recovered 120' gas, 70' oil & gas cut mud, 60' heavy oil & gas cut mud, 120' very heavy oil & gas cut mud, 180' of very heavy oil & gas cut water, 60' very slightly oil cut water, 70' water.

Initial BottomHole Pressure in 20 min.	1110 psi
Initial Flow Pressure	30 psi
Final Flow Pressure	270 psi
Final Bottom Hole Pressure in 20 min.	1060 psi

3556-62 White to very light tan, finely crystalline to dense, part of fossiliferous and oolitic lime. Scattered poor to fair vugular and pinpoint porosity with spotted light staining and very scattered saturation. Very slight trace of free oil in wet sample with no odor.

DRILL STEM TEST #4, 3544-75, open 1 hour with a good blow throughout. Recovered 690' of gas, 15' oil & gas cut mud, 75' very heavy oil & gas cut mud, 210' froggy oil, 100' free oil.

Initial Bottom Hole Pressure in 20 min.	1320 psi
Initial Flow Pressure	30 psi
Final Flow Pressure	170 psi
Final Bottom Hole Pressure in 20 min.	1210 psi

3578-86 Light gray, finely crystalline, oolitic and fossiliferous lime. Good vugular and some oocastic porosity with saturation and staining. Trace of free oil in wet sample with a very faint odor.

3593-96 and 3598-3602 Light gray to gray, finely crystalline, oolitic lime. Scattered fair to good oocastic and vugular porosity with staining and a trace of saturation. Free oil in wet sample with a very faint odor.

DRILL STEM TEST #5, 3571-3604, open 1-1/4 hours with gas to the surface in 17 minutes. Flowed oil in 48 minutes.

Initial Bottom Hole Pressure in 20 min.	1380 psi
Initial Flow Pressure	270 psi
Final Flow Pressure	1190 psi
Final Bottom Hole Pressure in 20 min.	1350 psi

3612-20 Light gray, finely crystalline, part fossiliferous, part slightly dolomitic lime. Scattered fair pinpoint and small vugular porosity with spotted staining and a trace of saturation. Trace of free oil in wet sample with no odor.

DRILL STEM TEST #6, 3600-60, open 1 hour with a good blow throughout. Recovered 120' gas, 240' slightly oil cut to oil cut watery mud, 180' slightly oil cut muddy water, 120' oil cut muddy water and 190' water.

Initial Bottom Hole Pressure in 20 min.	1340 psi
Initial Flow Pressure	30 psi
Final Flow Pressure	320 psi
Final Bottom Hole Pressure in 20 min.	1240 psi

Base Kansas City at 3633'

Rotary Total Depth at 3630'

REMARKS

Structurally, the top of the Lansing on the subject test was 10 feet higher than that found at the Deep Rock #1 Glenn a dry hole located in the SW SW SE, of Sec. 6-8S-22W, and 18' higher than the Anshutz #1 Stuchlik, a dry hole located in the NW NW NE, of Sec. 8-8S-22W. Prior to the abandonment of the hole it is recommended that the following zones be perforated and tested: (1) 3556-62; (2) 3578-86; (3) 3593-96; and (4) 3598-3602.

Respectfully submitted,

Wayne L. Brinegar pme

Wayne L. Brinegar, Geologist

WLB:pme