

GEOLOGICAL REPORT

K & E Drilling Co. & B. O. A.

KOHART NO. 1

SE SE SE Sec. 28-9S-24W
Graham County, Kansas

GEOLOGICAL REPORT

Company: K & E Drilling Co. & B.O.A.
Contractor: K & E Drilling Co.
Farm: Kohart No. 1
Pool: Wildcat

Location: SE SE SE Sec. 28-9S-24W
County: Graham County, Kansas
Elevation: 2534 R.B.
R.T.D. 4107'

Samples were examined on location by writer from 3600 to Rotary Total Depth.
No electric log was run.

Formation Tops

Heebner	3840 (-1306)
Toronto	3862 (-1328)
Lansing	3875 (-1341)
Base Kansas City	4105 (-1571)
Rotary Total Depth	4107 (-1573)

Porosity and Shows of Oil

Topeka Section carried fair to good porosity but no shows of oil.

Toronto 3862 (-1328)

White fine to medium crystalline slightly fossiliferous cherty lime.
Good porosity. No show of oil.

Lansing 3875 (-1341)

3875-88 (Top zone) Solid chalk (no indication of oolitic fossiliferous lime which should be present in this area). No show.

3909-16 (35' zone) White semi-fossiliferous chalky slightly cherty lime, trace of spotted stain and dead oil. No free oil. No odor. Poor porosity. Judged no value.

3920-24 (50' zone) White dense fossiliferous lime, trace of dark spotted stain, poor porosity, slightly chalky. Judged no value.

3958-67 (90' zone) White fine crystalline slightly oolitic lime. No show of oil, fair to good porosity.

3970-77 (100' zone) White chalky to medium crystalline lime, poor porosity. No show of oil.

4008-17 (140' zone) White fossiliferous lime, fair to good show of free oil, fair porosity.

- D.S.T. #1 3993-4028 (140'Z) Open one hour, recovered 270' very slightly oil cut salt water, IBHP 1350#, FBHP 1200#, IFP 0#, FFP 210#, 20 minutes.
- 4032-38 (160' zone) White to tan fossiliferous lime, fair to good show free oil, fair porosity.
- D.S.T. #2 4026-40 (160'Z) Open one and one-third hours, weak blow for 50 minutes, recovered 25' very slightly oil cut mud, IBHP 800#, FBHP 0#, 30 minutes, IFP 0#, FFP 0#.
- 4047-56 (180' zone) White fossiliferous lime, fair to good show of free oil in wet samples (looks watery in dry samples). (See DST #3)
- 4070-78 White fossiliferous lime, poor porosity with trace dark oil stain, very chalky.
- D.S.T. #3 4049-80 (180'Z & 200'Z) Open one hour, recovered 125' muddy water, IBHP 1350#, FBHP 1100#, 20 minutes, IFP 0#, FFP 0#.
- 4093-99 (220' zone) Reddish brown medium crystalline to dense lime. No show of oil, poor to no porosity. Judged no value.

Base Kansas City 4105 (-1571)

Rotary Total Depth 4107 (-1573)


Orlin R. Phelps
Geologist on Well

DRILLING TIME LOG

KOHART NO. 1
SE SE SE Sec. 28-9S-24W
Graham County, Kansas

Depth	Minutes	Remarks
<u>1' Intervals</u>		
3400	5-5-7-3-5/9-8-7-5-4	
10	5-8-7-3-2/7-6-3-6-5	
20	4-5-3-3-4/9-5-2-3-3	Trip at 3427
30	5-4-3-3-2/3-3-2-2-2	
40	2-1-2-2-1/2-3-2-3-4	
50	2-2-3-2-1/2-2-1-1-1	
60	1-1-1-1-1/1-1-2-2-2	
70	2-4-3-4-4/2-4-3-4-3	
80	4-4-5-2-3/3-3-3-4-2	
90	4-4-5-3-4/4-2-3-3-2	
3500	3-5-6-4-4/2-2-2-2-1	
10	1-1-1-1-1/2-2-2-2-2	
20	2-2-2-2-3/3-2-2-2-4	
30	3-3-3-3-4/3-4-3-3-4	
40	5-3-4-3-4/3-3-3-4-2	
50	2-3-2-2-3/2-2-3-4-3	
60	3-4-4-4-4/3-3-4-2-4	
70	3-4-3-3-3/5-3-1-2-1	
80	1-1-2-2-4/4-3-3-4-4	
90	2-4-3-3-3/3-4-4-4-5	
3600	4-4-4-3-2/2-2-2-2-3	
10	3-2-3-3-2/4-2-4-3-4	
20	4-3-2-3-3/3-3-4-3-2	
30	4-5-4-3-5/5-3-6-4-4	
40	3-6-4-4-4/4-3-3-4-5	
50	3-5-3-3-5/4-2-3-2-3	
60	3-3-4-3-3/5-5-5-4-3	
70	3-5-3-4-4/5-3-1-2-2	
80	2-2-2-2-2/4-3-2-3-2	
90	2-2-2-1-2/3-3-6-4-3	

Depth	Minutes	Remarks
3700	5-6-7-4-4/4-5-3-4-3	
10	3-3-2-2-2/4-3-5-6-5	
20	5-4-5-7-7/9-6-6-6-4	
30	7-8-4-4-4/3-3-3-2-2	
40	2-2-3-2-5/8-7-4-5-6	
50	5-2-2-2-3/5-2-2-4-3	
60	3-2-3-4-4/5-7-9-7-9	
70	8-7-5-8-9/8-9-10-6-8	
80	8-5-5-5-4/5-4-4-5-2½	
90	½-½-½-½-½/1-2-3-3-3	
3800	3-3-3-3-6/5-4-4-5-2	
10	1-2-2-1-2/3-3-3-2-1	
20	2-2-4-3-4/3-3-3-3-2	
30	2-3-3-3-3/3-4-3-3-3	
40	2-3-4-4-3/3-7-6-7-6	
50	11-6-5-5-6/5-7-5-7-7	
60	5-7-4-6-6/4-6-13-3-5	
70	8-8-6-4-5/6-6-4-5-4	
80	5-5-4-4-5/6-4-6-8-9	
90	7-9-6-7-7/7-9-6-4-6	
3900	8-6-4-8-6/5-6-5-5-7	
10	5-7-6-9-10/12-6-9-7-5	
20	8-7-10-7-10/9-10-10-8-9	
30	5-10-10-12-11/10-8-10-9-10	
40	8-8-10-9-10/11-6-9-10-13	
50	8-9-10-7-9/10-14-8-8-8	
60	5-5-4-6-7/8-8-15-13-10	
70	15-13-10-13-12/5-5-6-5-5	Trip at 3975
80	5-4-4-4-4/4-6-5-5-7	
90	5-5-6-5-7/4-6-5-7-6	
4000	7-6-6-6-6/5-7-5-6-5	
10	7-3-6-6-6/6-6-8-5-7	
20	9-7-7-5-5/7-6-5-7-7	
30	7-7-6-4-6/7-4-3-5-5	
40	5-7-6-6-6/5-5-8-4-6	
50	5-3-4-4-3/3-6-6-7-6	
60	5-5-5-5-6/6-7-7-7-7	
70	6-4-2-2-4/6-4-6-6-8	
80	8-6-8-9-4/5-7-17-4-4	
90	5-6-10-5-5/6-7-7-5-8	
4100	7-7-11-6-7/6-7	