

THEODORE GORE
OIL PRODUCER
125 N. MARKET, SUITE 1750
WICHITA, KANSAS 67202
(316) 263-3535

July 2, 1981

Re: Theodore Gore #1 Lynd
NE NE SW Sec. 28-11S-21W
Trégo County, Kansas
Wildcat
Elevation: 2310' K.B.

SAMPLES DESCRIBED BY A. N. JACQUES, JUNE 23, 1981

mg

3250-65 Lime, light gray, fine crystalline, chalky, fossiliferous
65-80 Lime, dark gray, finely crystalline, fossiliferous
80-95 Lime, dark gray to black, dense
95-3305 Shale, gray
3305-30 Lime, dark gray, dense, very fossiliferous, some buff, fossiliferous
30-40 Shale, dark gray, micaceous
40-50 Lime, cream to light gray, dense
50-55 Lime, dark gray, mottled, dense, fossiliferous
55-66 Shale, red and gray, some fine micaceous sandstone

T/TOPEKA

3366 (-1056) e-log

66-80 Lime, gray to tan, dense
80-95 Lime, light tan, dense
95-3400 Lime, light tan to gray, finely crystalline with scattered pin-point porosity, light stain, saturation
3400-20 Lime, gray to buff, chalky, fossiliferous
20-35 Lime, gray to tan, dense
35-40 Lime as above, chert, light gray, opaque, fossiliferous
40-55 Shale, dark gray
55-70 Lime, light gray, chalky
70-80 Lime, cream, finely crystalline, fossiliferous, chert, white to gray, opaque, few pieces finely crystalline with scattered pin-point porosity and saturation
80-90 Lime, gray, dense, chert, gray, opaque
90-3500 Lime, light gray to buff, chert, light tan, very fossiliferous, opaque
3500-10 Shale, red and gray to black
10-25 Lime, light gray, finely crystalline

T/OREAD

3516 (-1206) e-log

25-30 Lime, light gray to cream, finely crystalline, fair to medium vuggy porosity, fair to good saturation

DST #1, 3508-30', 45-45-30-30", Rec 100' Mud w/scum oil, 77' water.
IFP 40-79#, FFP 69-79#, SIP 1175-1175#.

30-40 Lime, white, dense
40-50 Lime, white to light buff, finely crystalline, chalky, no show

3550-60 Lime, light tan, dense
60-70 Lime, cream, finely crystalline, chalky
70-75 Lime, gray, dense, chert, dark gray, opaque, fossiliferous
T/HHEBNER 3578 (-1268) e-log

75-80 Shale, black
80-85 Lime, brown, dense
85-95 Shale, gray and red

T/TORONTO 3594 (-1284) e-log

94-3610 Lime, brown, finely crystalline, fossiliferous, some scattered vuggy porosity and saturation
3610-14 Shale, dark gray

T/LANSING 3614 (-1304) e-log

14-20 Lime, cream to light gray, finely crystalline
20-30 Lime, cream, finely crystalline, slightly fossiliferous, chert, white to gray, opaque, few pieces tan, oolitic lime, scattered porosity and saturation
30-40 Lime, cream, dense
40-45 Lime, light gray, dense
45-50 Shale, gray
50-55 Lime, light buff, finely crystalline
55-65 Lime, white, finely crystalline, fossiliferous, good stain around fossil edges, faint odor, no visible porosity

DST #2, 3637-65', 45-45-30-30", Rec 60' muddy water.
IFP 50#, FFP 60#, ISIP 969#, FSIP 929#.

65-70 Shale, red, gray
70-90 Lime, light gray, finely crystalline, dense
90-95 Lime, light gray to buff, finely crystalline, some vuggy porosity, good stain and saturation, no free oil
95-3710 Lime, buff, finely crystalline, fossiliferous, oolitic, no show, no porosity

DST #3, 3677-3700', weak blow for 5" and died, Rec 10' mud.
IFP 30#, FFP 40#, ISIP 900#, FSIP 821#.

3710-20 Lime, cream, finely crystalline, some fossiliferous, scattered heavy oil stain
20-25 Lime, white, chalky
25-40 Lime, light gray to buff, finely crystalline, chert, light gray, fossiliferous, opaque
40-50 Lime, buff, finely crystalline, granular, fossiliferous
50-60 Dolomite, brown, sucrosic, good porosity and saturation
60-70 Lime, brown, dense
70-75 Shale, gray

DST #4, 3737-75', 60-60-60-60", strong blow through-out, Rec 744' gas, 251' gassey muddy oil (30% gas, 40% oil, 30% mud, no water).
IFP 60#, FFP 139#, ISIP 1282#, FSIP 1253#.

75-90 Lime, cream, finely crystalline, chalky, good scattered porosity and saturation

DST #5, 3778-90', 45-45-30-30", Rec 9½' oil cut mud, 6" oil.
IFP 20#, FFP 30#, ISIP 60#, FSIP 50#.

- 90-3805 Lime, light gray, finely crystalline, dense
- 3805-10 Lime as above, some white medium angular sand, no show
- 10-15 Shale, red and gray
- 15-30 Lime, buff, finely crystalline, chalky, very fossiliferous, scattered good show oil when broken
- 30-35 Shale, dark gray
- 35-53 Lime, gray to tan, dense, fossiliferous, scattered fine vuggy porosity and stain

B/KANSAS CITY 3853 (-1543) e-log

DST #6, 3806-40', 45-45-30-30", weak blow for 5", Rec 2' slightly oil spotted mud.
IFP 40#, FFP 40#, ISIP 50#, FSIP 40#.

- 53-70 Shale, red to dark gray
- 70-75 Lime, gray to tan, dense
- 75-85 Shale, gray, silty
- 85-95 Lime, cream, finely crystalline, some fossiliferous
- 95-3900 Shale, dark green and red
- 3900-10 Lime, gray, finely crystalline, some coarse sand grains

T/MARMATON 3610 (-1600) e-log

- 10-25 Lime, buff, finely crystalline, considerable chert, brown, red, orange, opaque, vitreous
- 25-35 Shale, red and green
- 35-40 Lime, gray, finely crystalline, some coarse angular sand with good show of oil
- 40-50 Shale, gray, green, red, chert as above

DST #7, 3913-50', 60-60-30-30", weak blow 1", Rec 15' mud w/few specks of oil.
IFP 49#, FFP 59#, ISIP 574#, FSIP 89#.

CORE #1, 3950-74'
Recovered 18' Red shale with lime and chert inclusions

T/ARBUCKLE 3975 (-1665) e-log

- CORE #2, 3974-91½'
Recovered 16'
- 3474-80 Dolomite, light gray, medium crystalline, cherty, white to brown, opaque chert, good scattered vuggy porosity and fractures, bleeding oil, very good saturation, some light green talcish shale inclusion, 20% bleeding oil
 - 80-87 Dolomite as above, 60% bleeding oil, increase in good vuggy and inter-crystalline porosity
 - 87-90 Dolomite as above, increase in pale green talcish shale
 - 90-91 Dolomite as above, decrease in green shale
 - 91-91½ Dolomite as above, slight increase in green shale

DST #8, 3975-91', 60-60-60-60", strong blow 1st open, fair blow 2nd open, Rec 120' gas, 360' free oil (38 degrees gravity), 240' water.
IFP 69#, FFP 248#, ISIP 683#, FSIP 594#.

CORE #3, 3994½-4012'

Recovered 21'

- 3991-92 Dolomite, light gray, finely crystalline, good vuggy porosity and saturation, bleeding oil, some light green talcish shale
92-94 Dolomite, light gray, coarse crystalline, good intercrystalline and vuggy porosity, good bleeding oil, good saturation
94-96 Dolomite, light tan to gray, medium crystalline, tite, scattered vuggy porosity, no show, some green shale
96-4001 Dolomite, cream to white, medium to coarse crystalline, some good vuggy porosity and saturation, bleeding oil
4001-03 Dolomite, white, medium to coarse crystalline, pyritic, dark green shale and Kaolinite, good scattered vuggy porosity and saturation
03-03½ Dolomite, white, medium to coarse crystalline, good vuggy porosity and saturation, good bleeding oil
03½-06 Dolomite, white, medium crystalline, tite, some vuggy porosity and saturation, considerable green shale and Kaolinite
06-07 Dolomite, cream to light buff, medium crystalline, few vugs, fair saturation
07-08 Dolomite, light gray to white, fine to medium crystalline, tite, no show, no porosity, trace of green shale
08-09 Dolomite, light tan, coarse crystalline, Kaolinite, some inter-crystalline porosity, light stain
09-10 Dolomite as above, increase in porosity and saturation
10-11 Dolomite, cream to tan, medium to coarse crystalline, considerable green shale, some vuggy porosity and saturation
11-12 Dolomite, cream, fine to medium crystalline, some scattered saturation, poor porosity

DST #9, 3990-4012', 60-60-60-60", strong blow 1st open, Rec 590' muddy water with few oil specks.

IFP 29#, FFP 228#, ISIP 1047#, FSIP 1027#.

- 4012-25 Dolomite, white, medium to coarse crystalline, good scattered vuggy porosity and saturation

RTD 4025'

Spud 6-10-81, 5:45 p.m. RTD 4025', 11:10 p.m. 6-22-81
5½" @ 4025' 6-25-81, 5:30 p.m.

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Trego County, Kansas
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orig
CORE DESCRIPTION BY A. N. JACQUES, JUNE 23, 1981

CORE #2 3974-91.5' - Recovered 16'

- 3474-80 Dolomite, light gray, medium crystalline, cherty, white to brown opaque chert, good scattered vuggy porosity and fractures, bleeding oil, very good saturation, some light green talcish shale inclusion, 20% bleeding oil.
- 3480-87 Dolomite as above, 60% bleeding oil, increase in good vuggy and intercrystalline porosity
- 3487-90 Dolomite as above, increase in pale green talcish shale
- 3490-91 Dolomite as above, decrease in green shale
- 3491-91½ Dolomite as above, slight increase in green shale

CORE #3 3991½-4012' - Recovered 21'

- 3991-92 Dolomite, light gray, finely crystalline, good vuggy porosity and saturation, bleeding oil. Some light green talcish shale
- 3992-94 Dolomite, light gray, coarse crystalline, good intercrystalline and vuggy porosity, good bleeding oil, good saturation.
- 3994-96 Dolomite, light tan to gray, medium crystalline, tite, scattered vuggy porosity, no show, some green shale
- 96-4001 Dolomite, cream to white, medium to coarse crystalline, some good vuggy porosity and saturation, bleeding oil
- 4001-03 Dolomite, white, medium to coarse crystalline, pyritic, dark green shale and Kaolinite, good scattered vuggy porosity and saturation
- 4003-03½ Dolomite, white, medium to coarse crystalline, good vuggy porosity and saturation, good bleeding oil
- 4003½-06 Dolomite, white, medium crystalline, tite, some vuggy porosity and saturation, considerable green shale and Kaolinite.
- 4006-07 Dolomite, cream to light buff, medium crystalline, few vugs, fair saturation
- 4007-08 Dolomite, light gray to white, fine to medium crystalline, tite, no saturation, no porosity, trace of green shale
- 4008-09 Dolomite, light tan, coarse crystalline, Kaolinite, some intercrystalline porosity, light saturation
- 4009-10 Dolomite as above, increasing in porosity and saturation
- 4010-11 Dolomite, cream to tan, medium to coarse crystalline, considerable green shale, some vuggy porosity and saturation
- 4011-12 Dolomite, cream, fine to medium crystalline, some scattered saturation, poor porosity