

GEOLOGICAL REPORT

*Dan A. Nixon*10-9-21W
JUL

PETROLEUM GEOLOGIST

WELL #4

LOCATION S/2 S/2 NE

Sec. 10, T9S-R21W Graham County

LEASE Desair

Operator: Weilert Enterprises
Box 652
Hays, KS 67601

Contractor: Helberg Oil Co.
Morland, KS

Elevation: Laughlin-Simmons & Co.
Ground Level: 2195'
Rotary Bushing: 2200'
All measurements are from the
rotary bushing.

Samples: Ten foot samples from 3100'
to 3350' and five foot samples
from 3300' to 3728' RTD.

Time Log: One foot intervals from 3300'
to 3728' RTD. A copy of the
time log is included in this
report.

Spud date: 5-27-81
Comp. date: 6-4-81

Surf. casing: 8 5/8" @ 208'
Prod. casing: none - D&A

FORMATION TOPS:	SAMPLE DEPTH	MINUS DATUM	JUL
Heebner Shale	3328'	-1128	2
Toronto Lime	3350'	-1150	
Lansing	3365'	-1165	
Base of the Kansas City	3590'	-1390	
Marmaton	3616'	-1416	
Conglomerate	3672'	-1472	
Arbuckle Dolomite	3725'	-1525	
Rotary Total Depth	3728'	-1528	

SAMPLE ANALYSIS OF ZONES OF INTEREST:

Lansing 3367'-74' Fine crystalline, white, chalky lime, trace of dark rare spotty stain, poor vuggy porosity. Not worthy of testing.

3417'-24' Fine crystalline, grey, dense lime, rare spotty stain, slight vuggy porosity. Had slight show of free oil. Open on DST #1.

Drill Stem Test #1 Results: Interval: 3401'-3438'
Recovery: 10' of mud
30-30-30-30
IFP: 59-52#
ISIP: 182#
FFP: 59-36#
FSIP: 82#

3457'-62'
3465'-68' Oolitic, white, barren lime, fair to good oolitic porosity. Not worthy of testing.

3536'-42' Fine crystalline, chalky, white lime, rare spotty stain, trace of dead oil stain, poor intercrystalline porosity. Open on DST #2

Drill Stem Test #2 Results: Interval: 3510'-63'
Recovery: 6' of mud
15-30-30-30
IFP: 24-24#
ISIP: 71#
FFP: 24-24#
FSIP: 71#

Conglomerate 3675'-80'

Weathered, saturated chert, poor weathered porosity, good show of heavy free oil, no odor. Open on DST #3.

3711'-18'

Fine grained, sub-rounded, saturated sand, poor intergranular porosity. Show of free oil and odor. Trace of dead oil. Open on DST #3.

Arbuckle Dolomite 3725'-28'

Dense, medium crystalline, buff dolomite, trace of rare spotty stain and very slight show of free oil. Open on DST #3.

Drill Stem Test #3 Results:

Interval: 3649'-3728'

Recovery: 60' of mud

IFP: N/A

ISIP: 1063#

FFP: N/A

FSIP: 1004#

15-30-15-15

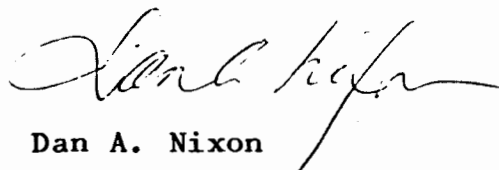
REMARKS:

Structurally, the Lansing top on the #4 Desair ran 13' high to the Arbuckle producer to the west $1\frac{1}{2}$ locations and 1' low to the Arbuckle producer to the southeast (NE NE SE of Sec. 10).

The Arbuckle top on the #4 Desair ran 18' low to the same Arbuckle producer to the west and 59' low to the same Arbuckle producer to the southeast.

Because of its low structural position on the Arbuckle and negative results of DSTs #1, #2, and #3, the #4 Desair was plugged and abandoned.

Respectfully Submitted,



Dan A. Nixon