



March 4, 1975

GEOLOGICAL REPORT

G. N. Rupe

#1 WRIGHT - NW NW SE of Section 28-20S-14W  
Barton County, Kansas

Elevation: 1924' Kelly Bushing  
1922' Derrick Floor  
1919' Ground Level  
(Laughlin-Simmons)

Commenced: February 22, 1975

Completed: March 3, 1975

Contractor: Red Tiger Drilling Company - Rig #5  
Wichita, Kansas

Casing Record: Surface - 8 5/8" 28# set at 495' cemented w/150 sx. 50-50 Pozmix and  
150 sx. Common Cement.

Hole Size: 7 7/8" - 497' to 3632' RTD

Samples: 10' Samples from 3100' - 3180';  
5' Samples from 3180' - 3632' RTD

Drill Time: 1' from 3000' - 3632 RTD

Gas Detector: From 1500' 3632' RTD

Electric Logs: None

Drill Stem Tests: Three - see significant shows.

Cores: None

Total Depth: 3632' RTD — 43' in Arbuckle.

FORMATION TOPS AND SIGNIFICANT SHOWS

(All measurements from Kelly Bushing)

	Drill Time
Anhydrite	855' (+1069')
Heebner	3192' (-1069')
Brown Limestone	3296' (-1372')
Lansing	3306' (-1382')
Simpson Sand	3549' (-1625')
Arbuckle	3589' (-1665')
Rotary Total Depth	3632' (-1708')

Lansing

3310 - 15'

Limestone, buff, fine crystalline, vuggy in part, free oil in vugs,  
35 unit Gas Kick on Gas Detector.

3/4/75 - #1 WRIGHT - Geological Report

DRILL STEM TEST #1  
3298' - 3328'

Open 30", shut in 30". Weak blow for 20"--died.  
Recovered 5' oil specked mud.  
SIP 48# IFP 48#  
FFP 48# Temperature 100°

Simpson Sand  
3539' - 49'

Sandstone, white tan, clean to conglomeratic, pyritic in part, very well cemented, some pieces have brown stain and free oil.

DRILL STEM TEST #2  
3530' - 3558'

Open 45", shut in 45", open 60", shut in 60". Good blow.  
Recovered 20' mud, 186' watery mud, 248' muddy water.  
ISIP 361# IFP 48#-126# Temperature 116°  
FSIP 351# FFP 146-214#

Arbuckle  
3620 - 32'

Dolomite, tan-brown, medium crystalline, some coarsely crystalline with free oil around crystals.

DRILL STEM TEST #3  
3617' - 3632'

Open 30", shut in 45", open 60", shut in 60". Strong blow after 7 minutes. Recovered 1860' black sulphur water.  
ISIP 1149# IFP 58# - 429# Temperature 120°  
FSIP 1139# FFP 458# - 788#

DISCUSSION

Subject Well had Davis Mud Portable Gas Detector on Well through shallow gas possibilities starting at 1600' in the Chase Group. No indication of gas was recorded on detector through these intervals. A 35 unit Gas Kick was registered at the Top of Lansing, together with slight show of free oil in samples. No drilling break recorded, this was substantiated by Drill Stem Test #1 which was very tight. The Heebner and Lansing Tops ran 2-3 feet high to the Newkirk "A" #1 Well in NW/4 of Section 28, however the Simpson Sand and Arbuckle were 1-2 feet low to Newkirk "A" #1. Subject Well had better Simpson Sand development than Newkirk "A" #1, but was 2' low. This test was drilled into the Arbuckle 43' to test possibilities of deeper production that is present in Section 19. Tests in immediate area in Section 28 only drilled 8-10' in Arbuckle. Due to the negative Drill Stem Tests on subject Well, it is recommended that the #1 Wright be plugged and abandoned.

WGC:fl

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