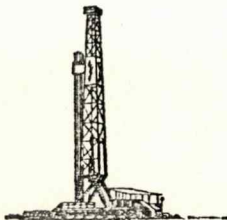


26-20S-15W



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August 29, 1979

FOWELL

Parry Gas Companies  
P. O. Box 8929  
Midland, Texas 79703

RE: Perry Gas. Cos.  
Graber No. 1  
NW NE NW Sec. 26-20S-15W  
Barton County, Kansas

Gentlemen:

The following is the geological report for the above captioned well:

CONTRACTOR:	Emphasis Oil Opr. Rig #1
DATE COMMENCED:	August 17, 1979
DATE COMPLETED:	August 28, 1979
ROTARY TOTAL DEPTH:	3730 ft. RTD.
SURFACE CASING:	Set 8 5/8" @ 887 ft.
ELEVATIONS:	1935' K.B., 1933' D.F., 1930' G.L.
DEPTH MEASURED FROM:	1935 ft., K.B.
DRILLING TIME PLOTTED:	1700 ft. to 3730 ft.
SAMPLES EXAMINED:	1800 ft. to 3730 ft.
DST: (Halliburton - 2)	Krider, Red Eagle
LOG: (Welex)	Radiation Guard Density.
COMPLETION:	Plugged and abandoned.

FORMATION DATA

<u>FORMATION</u>	<u>DEPTH (LOG)</u>	<u>SUBSEA</u>
Anhydrite	888'	+1047'
Herington	1840'	+ 95'
Krider	1864'	+ 71'
Winfield	1898'	+ 37'
Towanda	1963'	- 28'
Fort Riley	2004'	- 66'
Base Florence	2096'	- 161'
Base Chase (CG)	2172'	- 237'
Neva	2350'	- 415'
Red Eagle	2408'	- 473'
Tarkio	2710'	- 775'
Emporia (Elmont)	2772'	- 837'
Howard	2916'	- 981'
Shawnee (Topeka)	2995'	-1060'
Heebner	3258'	-1323'
Toronto	3276'	-1341'
Douglas	3289'	-1354'
Brown Lime (Iatan)	3357'	-1422'
Lansing	3366'	-1431'
Base Kansas City	3598'	-1663'
Conglomerate	3614'	-1679'
Cherty Conglomerate	3658'	-1723'
RTD	3729'	-1794'

STRUCTURAL POSITION IN RELATION TO NEARBY TESTS

<u>FORMATION</u>	<u>Perry Gas Graber #1 Sec. 26</u>	<u>Lauck Bowman #3 Sec. 27</u>
Anhydrite	1047'	1036'
Herington	95'	99'
Base Chase	- 237'	- 231'
Neva	- 415'	- 411'
Red Eagle	- 473'	- 466'
Tarkio	- 775'	- 771'
Emporia	- 837'	- 831'
Howard	- 981'	- 971'
Topeka	-1060'	-1049'
Heebner	-1323'	-1349'
Lansing	-1431'	-1417'
Base Kansas City	-1663'	-1648'
Conglomerate	-1679'	-1671'
Arbuckle		-1728'
RTD	-1794'	-1826'

ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Herington	1840'-1860'	Dolomite; tan, fine grained, sucrosic and dense, poor porosity, no show. Log; 20-23% porosity, 76-91% Sw. Gas log; 0
Krider	1868'-1878'	Dolomite; gray, tan, mouted, fine to medium grained, sucrosic, good intergranular and vuggy porosity, no show. Gas detector, 10 - 40 units, Log; 20% porosity, 71-76% Sw.

ZONES OF INTEREST (Cont'd)

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
DST #1	1845'-1883'	Good blow.  RECOVERED: 200 ft. gas cut salt water.  IHP: 1026# IFP: 40-81# (30) ICIP: 504# (35) FFP: 97-130# (33) FCIP: 504# (60) FHP: 1026# Temp: 99°
Winfield	1896'-1925'	Dolomite; tan, brown, fine grained, sucrosic, trace oolitic, good porosity, no show, 20-28% porosity. 50% Sw, no show gas detector or samples.
Fort Riley	2017'-2048'	Limestone; white, light gray, oolitic, cherty, good porosity, poor permeability, no show, log; 29% porosity, 50% Sw.
Red Eagle	2412'-2436'	Limestone; gray, light gray, fossiliferous, with chalky to dense matrix, no visible porosity, no show, gas log; 18 units, Log; 7-16% porosity, 84-100% Sw.
DST #2	2420'-2458'	Good blow.  RECOVERED: 350' muddy salt water. 400 ft. salt water.  IHP: 1345# FP: 53-420# (135) CIP: 809# (30) FHP: 1345# Temp: 91°
Emporia	2830'-2840'	Limestone; gray, white, fine crystalline, chalky and sandy, poor porosity, no show, Log; 5% porosity, 71% Sw.

ZONES OF INTEREST (Cont'd)

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Topeka	3032'-3047'	Limestone; tan, cream, fine crystalline, chalky fossiliferous, poor porosity, no show.
	3078'-3088'	Limestone; tan, gray, fine crystalline, chalky, fossiliferous, fossiliferous porosity, no show.
Toronto	3278'-3284'	Limestone; fine to medium crystalline, calcitic, fair, crystalline porosity, no show.
Lansing	3428'-3434'	Limestone; white, oolitic, fair porosity, no show, Log; no value.
	3442'-3468'	Limestone; tan, brown, fine to medium crystalline and dense oolitic slightly oolitic, good oolitic porosity, no show, Log; no value.
	3500'-3503'	Limestone; white, brown, oolitic, oolitic, poor porosity, no show, Log; 14% porosity, 50% water.
	3532'-3545'	Limestone; tan, white, oolitic with dense matrix, good porosity, no permeability, Log; no value.
	3557'-3569'	Limestone; tan, brown, slightly oolitic, oolitic, dense matrix. No show.

SUMMARY

The subject well was under geological supervision from 1900 ft. to 3730 ft. RTD. No shows of oil were noted, shows of gas in the samples were limited to the carbonaceous shales. The gas logger recorded shows of gas in the Krider and Red Eagle formations. Both of these shows were tested with negative results.

The well ran structurally lower than the key well; Lauck-Bowman #3, in section 27.

The Arbuckle formation, the primary productive zone in the area, was not encountered at 3730 ft. (-1795) a sub-sea elevation much too low to produce.

The well was plugged and abandoned after checking the Radiation-Guard Density log ran by Welex.

Respectfully submitted,

L. O. Chubb, Geologist

LOC:ds  
cc