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15-145-21515

ORIGIN, 32-23s-15w

Robert D. Dougherty

Certified Professional Geologist

*Member: American Institute of Professional Geologists
American Association of Petroleum Geologists
Society of Independent Professional Earth Scientists*

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P.O. Box 1065

Great Bend, Kansas 67530

Area 316-793-9055

GEOLOGIC REPORT

Cambria Corporation
#1 Becker Trust
1320' FNL 1300 FWL Section 32-23s-15w
Pawnee County, Kansas
API #15-145-21515

C NW 1320 FNL 1300 FWL

Contractor: Petromark Drilling Co #1
Spud: May 23, 2005
Completed: May 30, 2005
Elevation: 2040 ft KB, 2035 ft GL

Surface Casing: 8 5/8" @ 320 ft
Prod. Casing: 4 1/2" @ 3228 ft
Measurement: Kelly Bushing

GEOLOGIC FORMATION TOPS

Anhydrite	935	+1105
Chase Group	1956	+84
Council Grove	2285	-245
Admire	2654	-614
Wabaunsee	2714	-674
"Howard"	2962	-952
Log Total Depth	3200	-1160
Rotary Total Depth	3230	-1190

The formation tops above are based on electric log measurements and are in close agreement with rotary measurements.

The following logs were run by ELI Wireline Services:
Compensated Neutron/Density and Dual Induction.
The hole was deepened 30 feet after the log was run.

The #1 Becker Trust was under geologic supervision by James Musgrove from 1800 feet to 2650 feet and by Robert Dougherty from 2656 feet to rotary total depth.

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ZONES OF INTEREST

Chase Group 1956 +84

2010-2016: Dolomite, white to gray, very fine grained, sucrosic, slightly cherty, fair pinpoint porosity.

2020-2040: Dolomite Limestone, white to gray, fine to medium crystalline, fair porosity.

These zones were tested DST #1 2012-2065

2073-2080: Dolomite, gray to dark gray, fine to medium crystalline, slightly cherty, fair porosity.

2090-2100: Dolomite, as above, plus gray, limey and soft.

These zones were test by DST #2 2042-2110

2115-2128: Limestone, gray to white, fine crystalline, slightly granular, fossiliferous in part, scattered intercrystalline to pinpoint porosity.

Council Grove Group 2285 -245

2285-2653: Interbedded limestone and thin shale beds. No particular zones of interest.

Admire Group 2654 -614

2654-2714: Interbedded limestone and thicker shale beds. No particular zones of interest.

Wabaunsee Group 2714 -674

2714-2962: Interbedded limestone and shale with gray, silty, carboniferous shale in part.

"Howard" 2962 -922

2962-2976: Limestone, white, chalky, some very fine grain, poor visible porosity.

This zone was tested by DST #3 2934-2980

Note: The "Howard" is the local name for this zone; however, it is correlative with the "Bern" Limestone of the type log of Pawnee County published by the Kansas Geological Society.

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- 3100-3108: Limestone, white, very fine crystalline, fossiliferous with good pinpoint and fossil cast porosity.
- 3150-3156: Limestone, tan to brown mottled, fine crystalline, fair intercrystalline porosity, cherty with gray fossiliferous chert.
- 3158-3166: Limestone, as above with some medium crystalline, fossiliferous with fusulinids, fair intercrystalline porosity.
- 3168-3174: Limestone, gray to tan, fossiliferous, oolitic in part, chalky in part, fine crystalline in part, with fair intercrystalline porosity, cherty with white to gray chert.
- 3182-3188: Limestone, tan to gray, fine crystalline, granular in part, fossiliferous with some loose fossils, chalky in part, fair intergranular porosity.

Log Total Depth 3200 -1160
Rotary Total Depth 3230 -1190

DRILL STEM TESTS

Drill Stem Test #1 2012-2065
Times: 45-60-60-90
Recovery: Gas to surface in 90 minutes, T.S.T.M.
65 feet of watery mud
Pressures: ISIP: 243# FSIP: 250#
IFP: 21-43# FFP: 27-39#

Drill Stem Test #2 2042-2110
Times: 45-45-60-60
Recovery: Gas to surface in 17 minutes, 36.7 mcf/45"
45.1 mcf/95", 49.5 mcf/105"
125 feet of watery mud
Pressures: ISIP: 467# FSIP: 485#
IFP: 32-51# FFP: 44-63#

Drill Stem Test #3 2934-2980
Times: 30-60-60-60
Recovery: Gas to surface in 21 minutes, 43.6 mcf/30", 83.8 mcf/90"
135 feet of mud
Pressures: ISIP: 158# FSIP: 173#
IFP: 41-116# FFP: 60-67#

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REMARKS

Production casing was set at 3228 feet to further test potentially productive zones through perforations.

Respectively Submitted:

A handwritten signature in cursive script, reading "Robert D. Dougherty". The signature is written in dark ink and is positioned below the text "Respectively Submitted:". The signature is somewhat stylized, with the first letters of the first and last names being capitalized and prominent.

Robert D. Dougherty