

Dubois and Johnson

Consulting Geologists
432 State Bank Building • Winfield, Kansas 67156 • 316-221-0428
November 22, 1985

GEOLOGIC REPORT Golden Eagle Petroleum Company #1 Norman Hund SE SE NW 17-8S-22E Leavenworth County, Kansas

Daily Progress:

11-18 Attempted to move on
11-19 Moved on, rigged up, set 73' of 7" surface casing, drilled out beneath surface casing 7:00 p.m.
11-20 700' drilling
11-21 1264' TD at 12:00 a.m., ran open hole logs, set 4 1/2' production casing at 1263'

Service Companies:

Contractor: McGown Drilling Company
Drilling Fluid: Trotter International
Logging: Great Guns
Cementing: Consolidated Oil Well Services

Formation Tops (E-Log):

	Golden Eagle #1 N. Hund SE SE NE-17 GL 844	Structural Relation to	
		G - E #2 M. Hund SE NE SW 17-8S-22E	L - L #2 Zacharias S/2 S/2 NE 17-8S-22E
Lansing	104 (+740)	-1	flat
Base Kansas City	431 (+413)	+2	+5
Cherokee	682 (+162)	-1	-8
Coal Marker	1050 (-206)	+6	+4
Lower Cherokee SS	1064 (-220)	+5	+2
Middle McLouth SS	1147 (-303)	+20	+5
Burgess SS	1202 (-358)	-2	-10
Mississippi St. Louis	1329 (-385)	-14	-7
Spergen	1242 (-398)	+1	-6
LTD	1262 (-418)		
RTD	1264 (-420)		

Hydrocarbon Shows (E-Log depths):

- 1064-1072 Lower Cherokee Sandstone
Sandstone, light greenish gray to white, fine grained, subrounded, well sorted, good porosity, trace of dead oil, no stain. E-Log shows three feet of neutron-density crossover. Short guard shows 12 to 15 ohms resistivity. Non-Commercial.
- 1202-1220 Burgess Sandstone
Sandstone, white, light brown stain, fine to medium grained, subangular, moderately sorted, fair to good porosity, show of free gassy oil, good cut, good odor, circulated small amount of oil onto pit. E-Log shows 18-21 percent porosity with neutron-density crossover in upper ten feet. Resistivities show 20-30 ohms. Possible oil zone and probably commercial gas zone.

Summary:

It was recommended that casing be set to further test hydrocarbon shows in the Burgess sandstone. Recommended perforation interval is 1202 to 1208 E-log depths.

Although oil production appears to be possible at the base of the Burgess, it is unlikely that commercial quantities of fluid would be produced from the relatively low porosities of 17%. Therefore, I recommend that the well be completed as a gas well through the interval previously mentioned.

Respectfully submitted,

Daniel T. Johnson

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DTJ:gt

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DRILLING PROGNOSIS

WELL NAME: Golden Eagle Petroleum #1 Hund DATE: 10-17-85
LOCATION: SE SE NW 17-8S-22E ELEVATION: 840 GL est.
PROPOSED TD: 1265' (50' into Miss.) SPUD DATE: 10-24-85

<u>FORMATIONS</u>	<u>DEPTH</u>	<u>Drill times:</u>
Lansing	100	
Base Kansas City	432	
Cherokee	684	<u>Samples: Save 10' washed and bagged samples from</u>
Coal Marker	1048	<u>800' to TD</u>
L. Cherokee SS	1060	<u>Mud Type: Chemical Mud Up: 1000'</u>
U. McLouth	1148	<u>Maintain: Vis. 34-36 Wt. < 9.5 Wtr. Loss < 15</u>
U. Burgess	1188	<u>Remarks: Mix 1 1/2 sks caustic, 1 1/2 soda ash,</u>
L. Burgess	1200	<u>1 1/2 sks tanathin. gel for 34-36 vis.</u>
Mississippi	1215	
TD	1265	<u>Gas Detector: None</u>

Hole size Casing Depth Logging: Open hole logs will most likely
be run.

Geologist: Dan Johnson Phone: Home: 316-221-6455
Off.: 316-221-0428

Call Point: When you drill out STOP POINT: 1050'
beneath surf. casing

Daily Drilling Reports: Make sure Steve Strong and/or Dan Johnson is
aware of your daily progress.

Remarks: Make note on geograph of depth of all connections, nature of
any downtime. Record mud weight and viscosity at least twice a tower
(after mud up).

10:30
Surf. set