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GEOLOGIC REPORT

Jennings Drilling Company #6 Frey

SE SE NW 18-8S-22E

Leavenworth County, Kansas

Daily Progress:

- 1-20 Moved on location, set 7" surface casing at 47'
1-21 Drilled out beneath surface casing at 9:00 a.m.
1-22 RTD of 1323' reached at 7:45 a.m., ran E-Logs and set
4 1/2" production casing at 1291'

Service Companies:

Drilling Contractor: McGown Drilling Company
E-Logs: Log-Tech; Dual Induction, Neutron/Density
Drilling Mud: Trotter International
Cement: Consolidated Oil Well Services

Formation Tops (E-Log):

	#6 Frey SE SE NW 18 GL 907	Structural Relation to #5 Frey SW SE NW 18
Lansing	182 (+725)	+5
Base Kansas City	510 (+397)	+4
Cherokee	752 (+155)	+5
Coal Marker	1123 (-216)	-8
Upper McLouth SS	1212 (-305)	-9
Lower McLouth SS	Absent	--
Miss. St. Louis	1297 (-390)	+5
Spergen	1318 (-411)	-12
Total Depth	1322 (-415)	--

Hydrocarbon Shows (E-Log Depths):

1212-1234 Upper McLouth Sandstone
Sandstone, tan to brown oil stain, quartzose,
sub rounded, well sorted, some scattered
kaolinite plugged pores, good porosity, good
odor, good show of free gassy oil, circulated
a fair amount of oil scum in mud. E-Logs
calculate 21% porosity, 32 ohms, and 31%
water saturation.

Summary/Recommendation:

Production casing was run in the #6 Frey to further test the Upper McLouth Sandstone. It is recommended that the zone be perforated from 1222 to 1232 and treated as necessary. The perforations should be kept in the lower half of the 22 foot sand body in order to prevent excessive gas production.

Another sandstone found at 1156 to 1162 should eventually be considered. Though no show was noted in the samples and water saturations are somewhat high, being 56%, there is considerable gas effect of the Neutron-Density porosity log. Density porosity is 24%.

Respectfully submitted,

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