

Dubois and Johnson

Consulting Geologists

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GEOLOGIC REPORT

Larry and Lawrence Oil Company

Appx S/2 NW NE 17-8S-22E

Leavenworth County, Kansas

Daily Progress:

- 8-13 Moved on, rigged up, set 52' of 7" surface casing
8-14 Drilled out beneath surface casing 3:40 a.m.
8-15 TD 1281 at 4:35 a.m., ran open hole logs, set 4 1/2" production casing at 1254'

Service Companies:

Drilling Contractor: McGown Drilling Company
Drilling Fluid: Trotter International
Cementing: Consolidated Oil Well Services
Logging: Log-Tech

Formation Tops (E-Log):

	L + L #3 Zacharias S/2 NW NE GL 836	Structural Relationship to	
		#2 Zacharias	#1 Zacharias
Lansing*	109 (+727)	-13	-11
B. Kansas City	438 (+398)	-10	-11
Cherokee	680 (+156)	+2	-2
Coal Marker	1060 (-224)	-14	-11
U. McLouth	1157 (-321)	-13	abs
Burgess	1206 (-370)	-12	-9
Miss. St. Louis	1241 (-405)	-27	-22
LTD	1258 (-422)		
RTD	1261 (-425)		

*Drillers

Hydrocarbon Shows (E-Log Depths):

- 1206-1213 Burgess Sandstone
Sandstone, white to gray, fine to medium grained, subangular, moderately sorted, quartzose, trace of chert, some cementing, fair to good porosity, good show of free gassy oil, good odor, circulated, moderate amount of oil onto pits, E-Log shows three foot gas effect.

1222-1226

Lower Burgess Sandstone

Sandstone, gray trace white, fine to medium grained, subangular, moderately sorted, quartzose, poor porosity, siliceous cement, slight show of free oil, faint odor, probably wet.

Summary:

Production casing was set to further test oil and gas shows in the Burgess sandstone. Recommended perforation interval is 1206 to 1209. Although significantly lower structurally than both of the two previous Zacharias wells, the captioned well should still be commercially productive.

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Daniel T. Johnson".

Daniel T. Johnson

DTJ:gt