

# Dubois and Johnson

Consulting Geologists

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## GEOLOGIC REPORT Billy Oil Incorporated #3 N. Hoppe NW SW NW 29-8S-22E Leavenworth county, Kansas

### Progress:

8-27 Move on, set 40' of 7"  
8-28 Drilled out beneath surface  
8-29 690' drilling, core #1, 1157-1174  
8-30 1174' drilling, TD 1278 at 2:00 p.m., set 4 1/2" production casing

### Service Companies:

Contractor: J & J Drilling Company  
Cementing: Consolidated Oilwell Services

### Formation Tops (Sample):

	Billy Oil #3 N. Hoppe NW SW NW 29-8S-22E <u>GL 855 est.</u>	Jew-Del #1 Lee NE NE NE 30-8S-22E <u>GL 859</u>	Pet. Prod. #1 Richardson S/2 S/2 NE 30-8S-22E <u>GL 921</u>
Lansing	108 (+747)	flat	
B. Kansas City	429 (+426)	-1	
Cherokee	677 (+178)	-1	
Coal Marker	1050 (-195)	-4	+18
Upper McLouth Sandstone	1151 (-296)	-15	+11
Lower McLouth Sandstone	1183 (-328)	-18	+10
Burgess Sandstone	1241 (-386)	-23	-19
Mississippi St. Louis	1248 (-393)	-14	-18
Spergen	1262 (-407)	-12	
RTD	1278 (-423)		

Hydrocarbon Shows:

- 1151-1161    Upper McLouth Sandstone  
Sandstone, light brown to brown, fine grained, subangular, well sorted, quartzose, some tight, shaley at base, poor to fair porosity, scum of oil in samples, gas bubbles, fair odor, fair cut.
- 1183-1191    Lower McLouth Sandstone  
Sandstone, light brown to light gray, fine grained, well rounded, well sorted, quartzose, trace of chert, good porosity, trace of gas bubbles, no show of free oil, faint odor, fair cut.
- 1241-1248    Burgess Sandstone  
Sandstone, white, fine to medium grained, subangular, moderately sorted, quartzose, trace of chert, fair porosity, light stain, slight show of free oil.

Summary:

Production casing was set to further test both the Upper and Lower McLouth Sandstones. Gas production may be possible from either of these formations. Recommended perforation intervals are 1151 to 1155 for the Upper McLouth and 1183 to 1188 for the Lower McLouth. The Burgess Sandstone was condemned as a productive zone due to its low structural position relative to nearby water yielding Burgess gas wells.

Respectfully submitted,



Daniel T. Johnson

DTJ:gt