

Dubois and Johnson

Consulting Geologists

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GEOLOGIC REPORT

Billy Oil Inc. #1 Gallagher

NW NE NE 6-9S-22E

Leavenworth County, Kansas

Daily Progress:

- 12-30: Moved in, Rigged up, set 44' of 7" surface casing. Drilled out beneath surface casing.
- 12-31: 1100', tripped out of hole, shut down for Holiday.
- 1-02: Resumed drilling at 12:00 p.m..
- 1-03: Reached TD 1484 at 2:30 a.m., rig broken during short trip, stuck in hole at 1324', spotted 10 barrels crude oil at 8:45 p.m., drill string freed at 9:05 p.m., ran open hole logs. Plugged and abandoned.

Service Companies:

Contractor: Van Drilling Incorporated

Drilling Fluid: Trotter International

Logging: Log-Tech

Cementing: Consolidated Oil Well Services

Formation Tops (E-Log):

	Structural Relation to		
	Billy Oil Inc. S & V #1 Gallagher	S & V #1 Gallagher	S & V #B-1 Baumgartner
	NW NE NE 6-9S-22E	NE NE NE 6-9S-22E	CSE NW 32-8S-22E
	1074 GL		
Heebner	40 (+1034)	-1	
Lansing	336 (+738)	+4	
Base Kansas City	662 (+406)	+1	-23
Cherokee	912 (+158)	+2	-21
Coal Marker	1278 (-204)	+23	flat
Lower Cherokee SS	1296 (-222)	+22	+13
Upper Burgess	1422 (-348)	abs	flat
Lower Burgess	1434 (-360)	+27	+15
Mississippi St. Louis	1440 (-366)	abs	+30
Spergen	1460 (-386)	+27	-10
LTD	1483 (-409)		
RTD	1484 (-410)		

Hydrocarbon Shows (E-Log Depth):

- 1296-1314 Lower Cherokee Sandstone
Sandstone, white, fine grained, subrounded, well sorted quartzose, good porosity, slight show of free oil, some very heavy, fair cut, no odor, non commercial.
- 1422-1426 Upper Burgess Sandstone
Sandstone, white, fine grained, subrounded, well sorted quartzose, fair porosity, show of free oil, fair odor, fair cut, most likely non-commercial.
- 1434-1440 Lower Burgess Sandstone
Sandstone, white, fine grained, sub rounded, well sorted quartzose, poor porosity, slight show of free oil, faint odor, poor cut, non-commercial.
- 1440-1446 Mississippi St. Louis
Limestone, tan, fine crystalline, oolitic, trace of fractured porosity, slight show of free oil, non-commercial.

Summary:

It was recommended the captioned well be plugged and abandoned due to the lack of sufficient reservoir development.

The four feet of Upper Burgess Sandstone encountered was fairly tight and would most likely have yielded a small quantity of gas. Commercial quantities, however, were unlikely. For this reason, the captioned well was plugged and abandoned.

Respectfully submitted,

Daniel T. Johnson

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