

Dubois and Johnson

Consulting Geologists

432 State Bank Building • Winfield, Kansas • 316-221-0428

April 13, 1987

GEOLOGIC REPORT
SIMCO Petroleum Company
#10 C. Heim
NW SW NE 19-8S-22E
Leavenworth County, Kansas

Progress:

- 4-10: Moved on, rigged, up, set 134' surface casing.
4-11: Drilled out beneath surface casing 2:30 a.m.,
drilling.
4-12: TD 1300', Ran Open Hole Logs, set 1280' production
casing.

Service Companies:

Contractor: Glacier Drilling Company Inc.
Drilling Fluid: Trotter Supply
Cementing: Sun Cementing
Logging: Log-Tech, Inc.

Formations (E-Log Depths):

	SIMCO #10 C. Heim NW SW NE-19 KB 867	Structural Relation to	
		SIMCO #1-19 Theis NE NE NW-19	Cascade #19-2 Ewert NE NE SW-19
Lansing	126 (+741)		
Base Kansas City	450 (+417)		
Cherokee	696 (+171)		
Coal Marker	1072 (-205)	+10	+9
Upper McLouth	1180 (-313)	-10	-14
Burgess	1235 (-368)	+7	-8
Miss. St. Louis	1257 (-390)	+8	+2
Spergen	1276 (-409)		
Total Depth	1299 (-432)		

Hydrocarbon Shows (E-Log Depths):

1180-1208 Upper McLouth Sandstone
Sandstone, grey with brown stain, fine grained, moderately sorted, subangular, fair porosity, shaley in part. Good show of free gassy oil, probable gas zone.

E-Logs indicate 18-22% porosity in the upper six feet with 30-35 ohms resistivity. The lower 22 feet is slightly shaley with 14-18% porosity. This well should yield commercial quantities of gas and may yield some oil.

1235-1257 Burgess Sandstone
Sandstone, white, fine grained, well sorted, subangular, fair to good porosity, slight show of free heavy oil, trace of gas bubbles.

Non-commercial gas zone.

Summary:

Production casing was set to further test the Upper McLouth Sandstone. Recommended perforation interval is 1180 to 1190 with two to three shots per foot.

The Upper McLouth in this well appears to be near the westward limit of the "clean" sand found in the remainder of the NE/4 of Section 19. It is doubtful that this sand is present at another location due west 990' of the captioned location.

Respectfully submitted,

Daniel T. Johnson

Daniel T. Johnson

DTJ:lk