DRILLING INFORMATION
AND GEOLOGICAL REPORT

Operator:	Charles Griffin
Lease:	#1 Shrack
Survey:	SE NE NE
	Section 20-24S-13W
Field:	Van Lieu
County:	Stafford
State:	Kansas

Contractor:	Maverick Drilling, Rig 108
Elevation:	1922' GL / 1930' KB
Surface Casing:	8-5/8" @ 264'
Production:	5-1/2"
Mud Up:	3171'
Geologist:	3406'
Pipe Strap:	Pipe strap @ 3632' (+1.76' long to the board)
Survey:	Straight hole @ 3632' (3/4 degree deviation)
Testing:	2-Trilobite
Log:	Log Tech / Dual Compensated Porosity-Dual Induction
RTD:	4116'
LTD:	4120'

Daily Penetration

05/29/10	Spud
05/30/10	0771'
05/31/10	1825'
06/01/10	2542'
06/02/10	3115'
06/03/10	3605'
06/04/10	3705'
06/05/10	4012'
06/06/10	4070'
06/07/10	4116'

Drill Stem Tests

DST #1 3606' to 3632'. Strong blow, building to bottom of bucket in 3" on the initial flow period. Strong blow building to bottom of bucket in 5" of the second flow period. Recovered: 346' GIP, 80' MW with oil specks and 560' GCW. IFP/30" 41-182#, ISIP/45" 929#, FFP/30" 193-324#, FSIP/60" 930#.

DST #2 3994' to 4066'. Strong blow, building to bottom of bucket in 1" on the initial flow period. Strong blow, building to bottom of bucket in 1" of the second flow period. Recovered: 50' GIP, 150' GOCM (25% gas, 35% oil and 40% mud), 180' GMCO (40% gas, 36% oil and 24% mud), 2,550' CGO (27% gas and 73% oil) and 150' GOCM (30% gas, 26% oil and 44% mud). IFP/30" 208–886#, ISIP/45" 1389#, FFP/30" 824–1141#, FSIP/60" 1389#.

Formation Tops

Formation	Sample Top	Datum	Log	Datum	Structural Comparison*
Heebner	3378'	-1448	3383'	-1453	
Toronto	3401'	-1471	3406'	-1476	
Douglas	3419'	-1489	3422'	-1492	
Brown Lime	3519'	-1589	3523'	-1593	
Lansing	3543'	-1613	3547'	-1617	+8
B/KC	3809'	-1879	3813'	-1883	
Marmaton	3820'	-1890	3824'	-1894	
Conglomerate	3856'	-1926	3859'	-1929	
Viola	3892'	-1962	3896'	-1966	
Simpson	4009'	-2079	4013'	-2083	+12
Arbuckle	4056'	-2126	4050'	-2120	+23
Total Depth	4116'	-2186	4120'	-2190	

*Reference well for structural comparison: Stanolind Oil & Gas, #1 E. A. Van Lieu, NE SE NE of Section 20-24S-13W, Stafford County, Kansas

Zones of Interest

3573'-3580' Lansing B Zone – Limestone, cream, white to light gray. Fine crystalline to very slightly medium crystalline. Some scattered pinpoint porosity, most pieces appear tight. Sub-chalky in part. No shows.

3621'-3627' Lansing F Zone – Limestone, cream to white to light gray. Fine crystalline with rare medium crystalline. Some scattered pinpoint porosity. Faint odor detected in the fresh sample. Slight show of gas bubbles. This interval was covered in DST #1.

3715'- 3722' Lansing I Zone – Limestone, cream to light tan. Fine crystalline. Oolitic to oolicastic with poor to fair inter-oolicastic porosity. Questionable odor in the fresh sample. No show of free oil.

3994'-4005' Viola – Chert, white to off-white. Vitreous, sharp and blocky. Few pieces tripolitic with sponge texture. Fair to good porosity. There was no odor in the fresh sample. With a questionable show of free oil.

4029'-4034' Simpson Sand – Sandstone clusters, frosted white and sub-rounded. Poor to fair friability. Lots of individual sand grains in bottom of tray (frosted white and round). Good odor in fresh sample with some pieces with slight show free oil.

4056'-4066' Arbuckle - Dolomite, tan, cream to gray. Most pieces medium to course crystalline with scattered pinpoint vug. Samples appeared tight in the upper portion grading to better inter-crystalline porosity. Good strong odor in the fresh sample, a slight show of free oil and some spotted staining. Samples carried a lot of shale from the Simpson Formation. This interval was covered in DST #2.

(See enclosed strip log for reference)

Comments and Recommendations

All tops have been corrected to the electric log for structural comparison. This test ran structurally higher than the show hole to the south which recovered commercial quantities of oil from the Arbuckle formation.

There were slight shows of oil and gas noted during drilling in the Lansing/Kansas City. A drill stem test (DST #1) embraced the "F" zone in the Lansing/Kansas City formation and recovered non-commercial shows of oil and gas cut formation water.

The upper portion of the Arbuckle had slight shows of free oil, exhibited a strong odor in the fresh sample and there was spotted staining noted in the dry samples. A drill stem test (DST #2) embracing the Arbuckle recovered commercial quantities of oil and recorded excellent bottom hole pressure.

It was recommended to run an oil string of casing to further test this well through perforations from 4050' to 4057'.

Drill cuttings have been delivered to the Kansas Geological Survey.

Respectfully submitted,

Bruce A. Reed – Well Site Geologist