

GENERAL INFORMATION

STATUS: Dry & Abandoned

OPERATOR: Larson Operating Company Tom Larson
P. O. Box 553 (316) 792-3664
Great Bend, Kansas 67530

LEASE/WELL NAME: Foos #1 Well

LOCATION: NW NE SE Section 23-19S-20W Rush County, Kansas

ELEVATION: GL: 2178 KB: 2183

CONTRACTOR: Emphasis Oil Operations (913) 483-5345
P. O. Box 506 Rig 8
Russell, Kansas 67665 Toolpusher: Jack Fox

COMMENCED: November 10, 1990 6:30 P.M.

COMPLETED: November 16, 1990 8:00 AM

CASING: Surface: 8 5/8 @ 252'

TOTAL DEPTH: 4300'

DRILL STEM TESTS: None

GAS DETECTOR: None

ELECTRIC LOGS: Wire-Tech
(1) Dual Induction (Detail 3300' to T.D.)
(2) Compensated Density w/ Gamma Ray/Caliper
(Note: no Neutron log run)

MISCELLANEOUS REMARKS:
- Rig operation was very good. Drilling crews co-operative and competent. Drillers: John Weis, Fred Goff, Leo Denio.

SAMPLE TOPS

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSEA</u>	<u>REMARKS</u>
Anhydrite	1383'	+ 800	
Topeka	3356'	-1173	
Heebner	3691'	-1508	black, fissle shale
Lansing	3738'	-1555	oolicastic intervals, as noted on sample log
Base Kansas City	4026'	-1843	
Pawnee	4101'	-1918	
Base Ft. Scott (Top of Cherokee)	4196'	-2013	
Cherokee Sands	-	-	no shows
Mississippian	4280'	-2097	no show
Total Depth	4300		

DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEGREE</u>	<u>DATE</u>
252'	1/4 ^o	11/10/90
1189'	1 ^o	11/11/90

No other deviation surveys taken

BIT RECORD

<u>BIT #</u>	<u>SIZE</u>	<u>MAKE</u>	<u>DEPTH OUT</u>	<u>TOTAL FEET</u>	<u>HOURS</u>
Reed	12 1/4	1+D11	252'	252'	3 1/2
SM	7 7/8	FDS	1189'	937'	5 1/2
CP	7 7/8	527B	4300'	3111'	86 1/4

Sample Descriptions: see geologic drilling time log

ELECTRIC LOG TOPSTOPS PICKED FROM:
DUAL INDUCTION LOGKB: 2183

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSEA</u>	<u>STRUCTURAL RELATIONSHIP TO: (nearby wells in Sec.23)</u>			
			<u>Bankoff Foos</u> NW NE (oil)		<u>Woodman Pascoe</u> NE SW (dry hole)	
Anhydrite	1380'	+ 803	+ 801	(+2)	+ 807	(-4)
Topeka	3350'	-1157	-1158	(+1)	-1164	(+7)
Heebner	3688'	-1505	-1493	(-12)	-1504	(-1)
Lansing	3736'	-1553	-1537	(-16)	-1551	(-2)
Base Kansas City	4024'	-1841	-1825	(-16)	-1848	(+7)
Pawnee	4108'	-1925	-1909	(-16)	-1935	(+10)
Top Cherokee	4196'	-2013	-1992	(-21)	-2026	(+13)
Upper Pay Sand	Not Developed					
Mississippian	4278'	-2095	-2072	(-23)	-2123	(+28)
Total Depth	4304					

MUD PROPERTIES

<u>DATE</u>	<u>DEPTH/TIME</u>	<u>MW</u>	<u>VIS</u>	<u>FILTRATE</u>
11/10/90	Spud 6:30 pm - set 8 5/8" surface @ 252' - bit trip @ 1189'			
11/11/90	Waiting on cement			
11/12/90	1752'/6:30am	9.0	nc	nc
11/13/90	2720'/7:00am	9.0	nc	nc
11/14/90	3415'/7:00am	9.0	46	14
11/15/90	3965'/7:00am	9.3	44	17
11/16/90	4300'/8:00am	9.4	45	10.8
	T.D. - logging at 1:00 pm			

nc = no control at that depth

GEOLOGICAL REMARKS AND RECOMMENDATIONS

It is recommended that this well be plugged and abandoned.

The Anhydrite marker was encountered at 1380' (+803). This structural marker is 2 feet high to the Bankoff #1 Foes, the key producing well located in the NW NE Sec.23-19S-20W, Rush County, Kansas.

The top of the Cherokee section (base of Ft.Scott limestone) was penetrated at 4196' (-2013), which was 21 feet low to the Bankoff #1 Foes and 13 feet low to what had been anticipated by our seismic control.

The main Cherokee oil producing sand in this area, the upper Cherokee, was not developed at this location and other lower Cherokee sands calculate wet with no shows noted in the samples.

The Mississippian was encountered at 4278' (-2095), which is 23 feet low to the Bankoff #1 Foes, which produced 44,000 bbls. from the Mississippi prior to recompletion in the upper Cherokee sand. No shows were observed in the samples.

Due to no sample shows, wet calculations on logs and the generally low structural position, the Larson Foes #1 was plugged and abandoned.

Respectfully submitted,



Tom G. Robinson