

# Daily Drilling Report

<b>Operator:</b> Running Foxes Petroleum	<b>Location:</b> 990'FNL & 1650'FEL	<b>Coord.:</b> SE NW NE
<b>Well Name:</b> C Heim 2-19D	<b>County:</b> Leavenworth	<b>State:</b> KS
<b>Project Area:</b> Leavenworth	<b>API #:</b> 15-103-20036	<b>Sec.:</b> 19
<b>Spud Date:</b> 8/21/2013	<b>Lat/Long:</b> -94.9979991/39.3436175	<b>Twp:</b> 8S
<b>Field:</b> Leavenworth Northeast	<b>Logging Geologist:</b> Greg Bratton/Joe Taglieri	<b>Rge:</b> 22E
		<b>GL Elev:</b> 861' <b>KB:</b> 870'

  

<b>Drilling Contr:</b> C&G Drilling	<b>Toolpusher:</b> Tim Gullick/Duke Colter
<b>Surf. Casing:</b> 8 5/8"	<b>Cement Date:</b>
<b>Surf. Bit:</b> 12 1/4"	<b>Hole size:</b> 7 7/8"
<b>Bit #1:</b> 7 7/8" pdc	<b>Drilling fluid:</b> Water based mud
<b>Bit #2:</b> 7 7/8" button	<b>Mud Pumps:</b> 14 X 6 1/4" Continental Emsco
<b>Bit #3:</b>	

Date	Start Depth	End Depth	Ft. Drilled
8/24/13	2415' KB	2415' KB	0

**Operations**

Tucker Wireline arrived at 11pm August 23rd. Compensated density neutron, dual induction, and sonic logs were completed by 1:45am. Drillers ran 1512' of 4 1/2" casing. Allied cemented well. Please see contractor invoice for more cement ticket information.

Time	Depth	Bit Weight	Pump PSI	Pump SPM	Table RPM	Mud Weight	Viscosity	Chlorides

**Mud/Chemicals Mixed:**

Formation Entered	Depth	Subsea	Units Gas	BG GAS	Prognosis	Hi/Low	Drill Stem Test		
Base Kansas City	458	412	2	2	459' KB	1	DST# 1	RECOVERY	Cement Surface Sacks
Anna	657	213	2	2	661' KB	4			
Little Osage	680	190	4	2	684' KB	4			
Cherokee(Excello)	701	169	2	2	705' KB	4			
V Shale	804	66	8	2	809' KB	5			
Tebo	867	3	15	2	877' KB	10			
Weir	882	-12	2	2	889' KB	7			
Bartlesville	951	-81	2	2	957' KB	6			
Riverton Coal Marker	1070	-200	20	4	1082' KB	12			
McLouth C	1161	-291	4	2	1164' KB	3			
McLouth D	1201	-331	7	2	1201' KB	0	DST# 2	RECOVERY	Depth@TD
Burgess	1258	-388	8	2	1239' KB	-19			
Mississippian	1272	-402	2	2	1274' KB	2			
Kinderhook	1617	-747	3	2	1624' KB	7			
Hunton	1691	-821	2	2	1679' KB	-12			
Maquoketa	Absent	#VALUE!	n/a	n/a	1859' KB	n/a			
Viola	Absent	#VALUE!	n/a	n/a	1944' KB	n/a			
Simpson Shale	2018	-1148	2	2	2034' KB	-16			
Arbuckle	2103	-1233	2	2	2044' KB	-59			
Reagan					2719' KB				
Granite Wash					2769' KB		DST# 3	RECOVERY	Cement Longstring Sacks
Precambrian					2789' KB				

OIL SHOWS	DESCRIPTION
1170' - McLouth C	(1170 - 1183) - Well srtd, well rnd, poorly cons - completely friable, fg, fast streaming cut, good show on pit, good odor, hvy oil. (1200 - 1210) - Well srtd, well rnd, poorly cons - only sand grains in sample, fg, fast streaming cut, great show on pit, good odor, hvy oil.
1200' - McLouth D	(1245 - 1270) - Well srtd, well rnd, poorly cons, fg, Cc cement, spty blk oil stn, hvy asphaltic oil, weak odor, slow-mod streaming
1245' - Burgess	bright milky cut, no flow of oil onto pit.

**Comments:**  
Drilling break was seen at 2408-2410, likely cause of the lost circulation.

**C Heim 2-19D**