

NOTES

Company: Palmer Oil, Inc.

Lease: Willis #23-9

Field: Willis

Location: NE-NW-SW-SE (1200' FSL & 2300' FEL)

Sec:<u>23</u> Twsp:<u>32S</u> Rge:<u>37W</u>

County: Stevens State: Kansas

KB:3123' GL:3110'

API #: 15-189-22834-00-00

Contractor: Duke Drilling Inc. (Rig #9)

Spud:<u>2/24/2014</u> Comp:<u>3/06/2014</u>

RTD:<u>6452'</u> LTD:<u>6449'</u>

Mud Up: 4500' Type Mud: Chemical

Samples Saved From: <u>4600' to RTD</u>
Drilling Time Kept From: <u>4100' to RTD</u>
Samples Examined From: <u>4600' to RTD</u>
Geological Supervision from: <u>4600' to RTD</u>

Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@1746'

Electronic Surveys: Logged by Pioneer Energy Services, DIL/BHCS, CNL/CDL, MEL

Palmer Oil Well Comparison

Willis 23-9

	DRILLING WELL Palmer Oil- Willis 23-9 NE NW SW SE 23-32S-37W				COMPARISON WELL Palmer Oil-Willis 23-8 NE SW SW SE 23-32S-37W				COMPARISON WELL Palmer Oil, Inc- Willis 23-7 SE NW NW SE 23-32S-37W				
								Structural				Structural	
	3123 KB				3123 KB		Relationship		3117 KB		Relationship		
Formation	Sample	Sub-Sea	Log	Sub-sea	Sample	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	
B. Heebner	4149	-1026			4150	-1027	1		4133	-1016	-10		
Lansing	4259	-1136			4255	-1132	-4		4251	-1134	-2		
Marmaton	4934	-1811	4941	-1818	4932	-1809	-2	-9	4916	-1799	-12	-19	
Cherokee	5122	-1999	5115	-1992	5129	-2006	7	14	5117	-2000	1	8	
Atoka	5512	-2389	5530	-2407	5525	-2402	13	-5	5523	-2406	17	-1	
Morrow	5627	-2504	5628	-2505	5629	-2506	2	1	5622	-2505	1	0	
St. Gen.	6168	-3045	6173	-3050	6174	-3051	6	1	6172	-3055	10	5	
St. Louis	6292	-3169	6301	-3178	6285	-3162	-7	-16	6297	-3180	11	2	
St. Louis B	6368	-3245	6362	-3239	6372	-3249	4	10	6347	-3230	-15	-9	
RTD	6452	-3329	6450	-3327	6500	-3377	48	50	6500	-3383	54	56	
LTD	6449	-3326	6450	-3327	6499	-3376	50	49	6506	-3389	63	62	



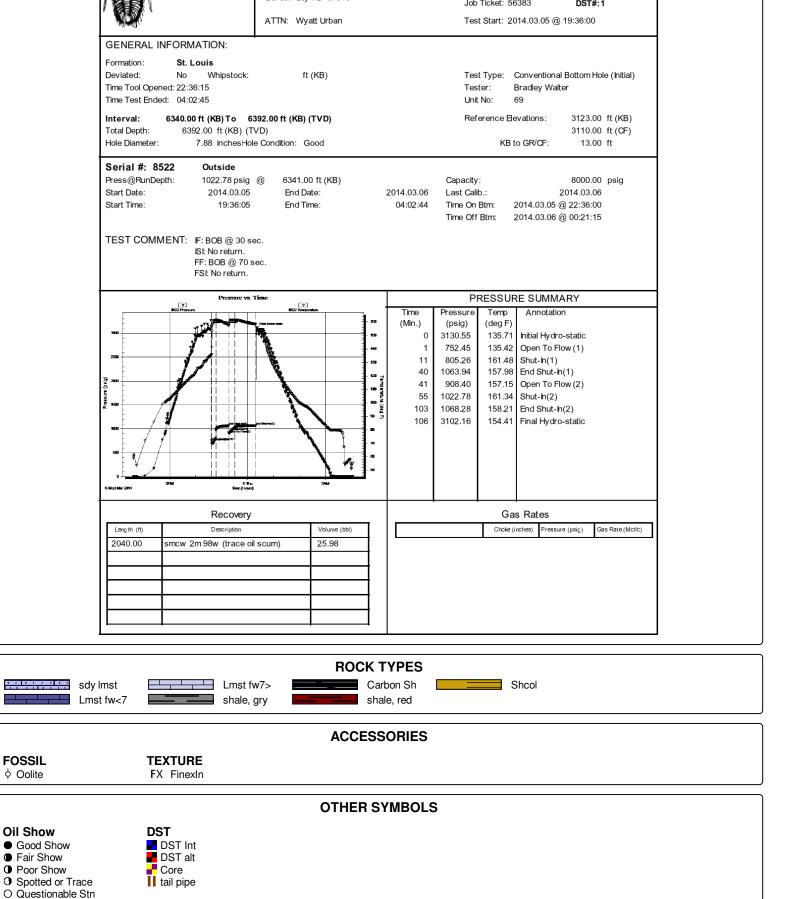
DRILL STEM TEST REPORT

Palmer Oil, Inc.

23 32s 37w Stevens, KS

3118 Cummings Rd.

Willis 23-9





D Dead Oil Stn
■ Fluorescence
★ Gas

