

NOTES

Company: Palmer Oil, Inc.

Lease: Willis 23-6

Field:Willis

Location: (2100' FNL & 1400' FWL)

Sec:23 Twsp:32S Rge:37W

County:<u>Stevens</u> State:<u>Kansas</u>

KB:3119' GL:3105'

API #:15-189-22828-00-00

Contractor: Duke Drilling Inc. (Rig #9)

Spud:<u>1/02/2014</u> Comp:<u>1/11/2014</u>

RTD:<u>6500'</u> LTD:<u>6500'</u>

Mud Up: <u>4600'</u> Type Mud: <u>Chemical</u>

Samples Saved From: <u>4700' to RTD</u> Drilling Time Kept From:<u>4100' to RTD</u> Samples Examined From: <u>4700' to RTD</u> Geological Supervision from:<u>4700' to RTD</u> Geologist on Well: <u>Wyatt Urban</u>

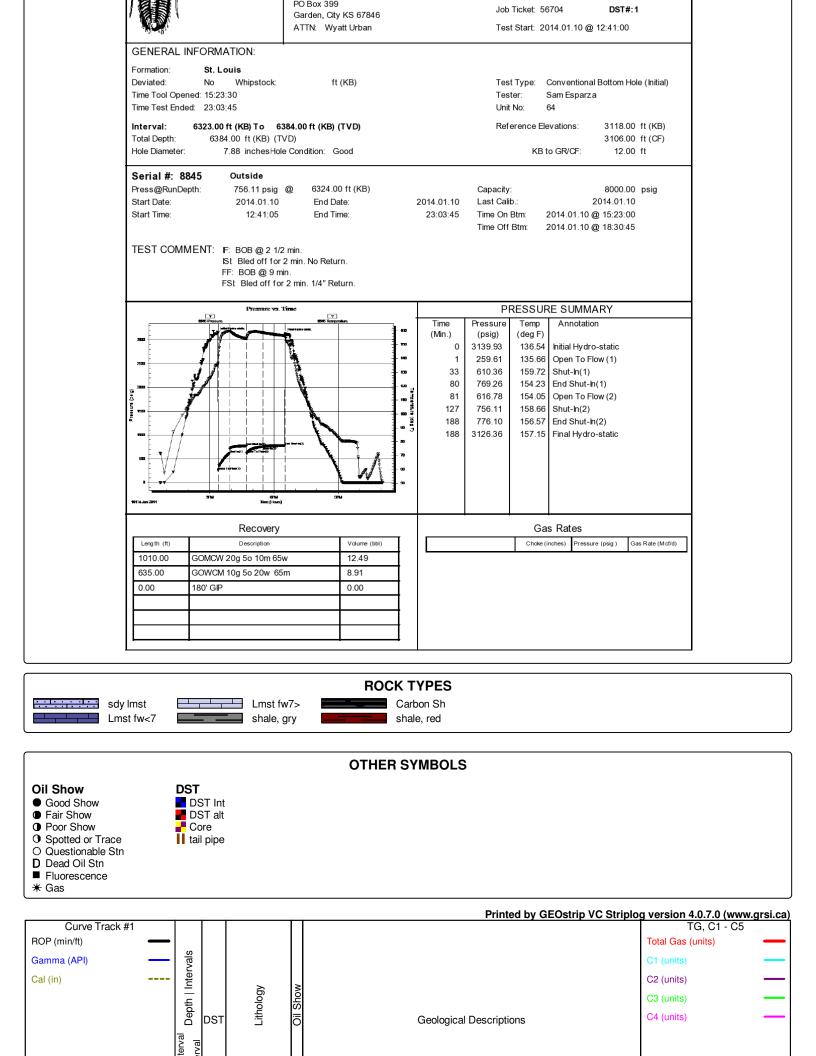
Surface Casing: 8 5/8"@1755'

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

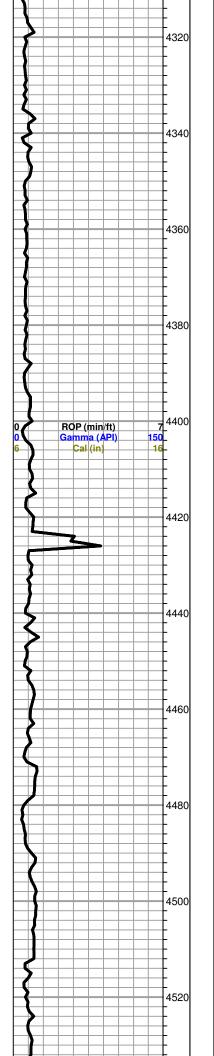
Palmer Oil, Inc. Willis 23-6

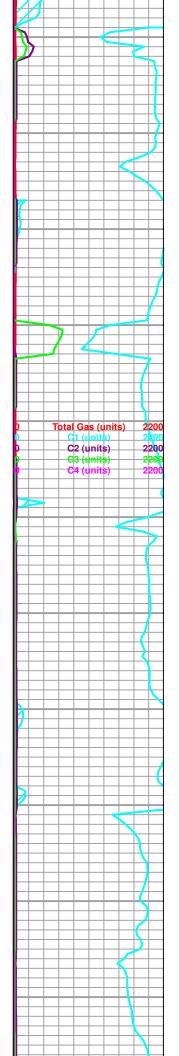
	DRILLING WELL					COMPARISON WELL				COMPARISON WELL					
	Pa	lmer Oil,W	Palmer Oil,Willis 23-5 NE-NW-SE-NE				EOG RESOURCES Willis 23-2 S2-NE-NE-SE								
	1	NE-SE-SW-N													
	23-32-37								23-325-37W						
					23-32-37 Structural					Structural Relationship					
	3119 КВ			3120 KB		Relationship		3119 КВ							
Formation	Sample	Sub-Sea	Log	Sub-Sea	LOG	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log			
B. Heebner									4160	-1041	1041				
Lansing									4275	-1156	1156				
Marmaton	4971	-1852	4969	-1850	4966	-1846	-6	-4	4967	-1848	-4	-2			
Cherokee	5162	-2043	5162	-2043	5168	-2048	5	5	5167	-2048	5	5			
Morrow	5645	-2526	5632	-2513	5639	-2519	-7	6	5634	-2515	-11	2			
St. Gen	6180	-3061	6178	-3059	6179	-3059	-2	0							
St. Louis	6298	-3179	6298	-3179	6298	-3178	-1	-1	6293	-3174	-5	-5			
St. Louis B	6354	-3235	6361	-3235	6361	-3241	6	6							
RTD	6500	-3381	6500		6500	-3380	-1		6500	-3381					
LTD	6500	-3381	6500		6475	-3355	-26								

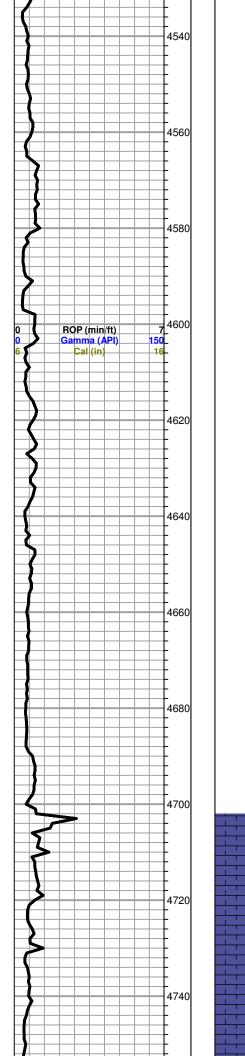
100 T	RILOBITE	DRILL STEM TEST REPORT	Γ
	T	Palmer Oil, Inc.	23-32s-37w Stevens co.
	ESTING , INC.	3118 N Cummings Rd	Willis #23-6

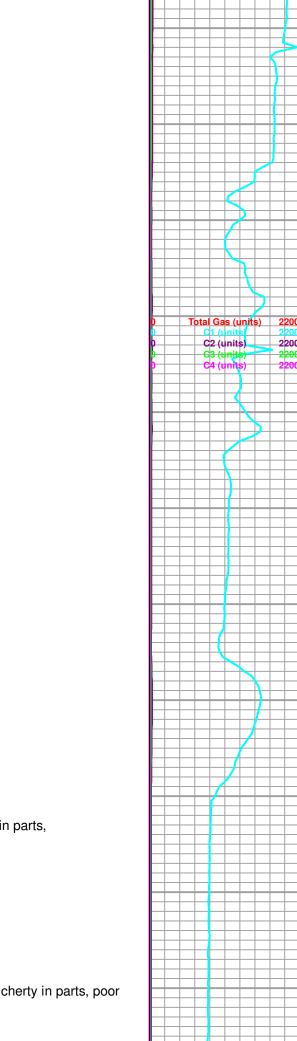


		Cored In	
0	1:240 Imperial		 1:240 Imperial
0	Gamma (API) 15 Cal (in) 1		1.240 Imperial 0 Total (as (units) 10 C2 (units) 0 C2 (units) 100 C2 (units) 100 C2 (units)
		-	0 C3 (units) 100 C4 (units) 100
		-	
E		4120	SC Total Gas (units) 2200
		-	Total Gas (units) 2200 C1 (units) 2200
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0 6	Gamma (API) 15 Cal (in) 1		0 C1 (units) 2200 C2 (units) 2200
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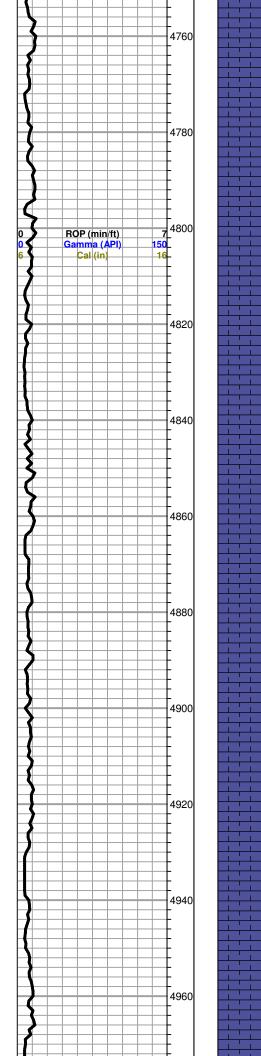


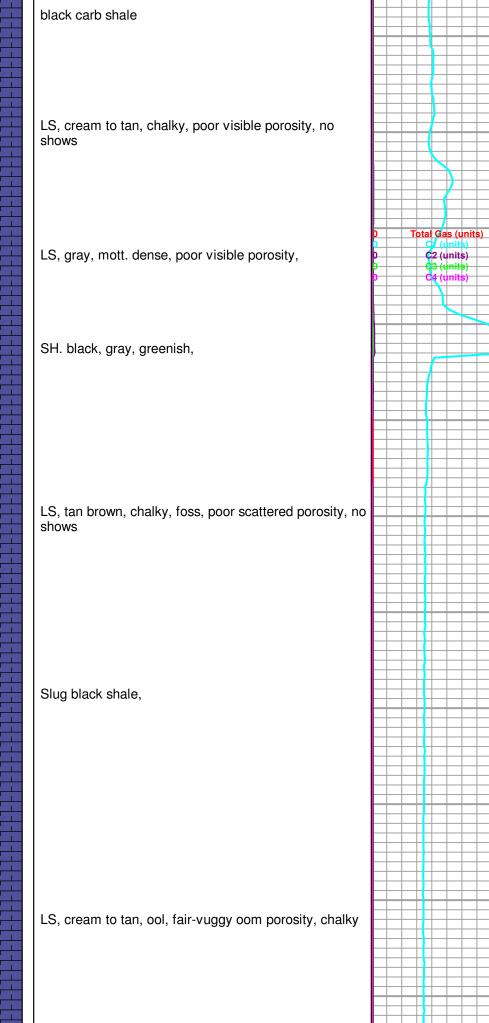


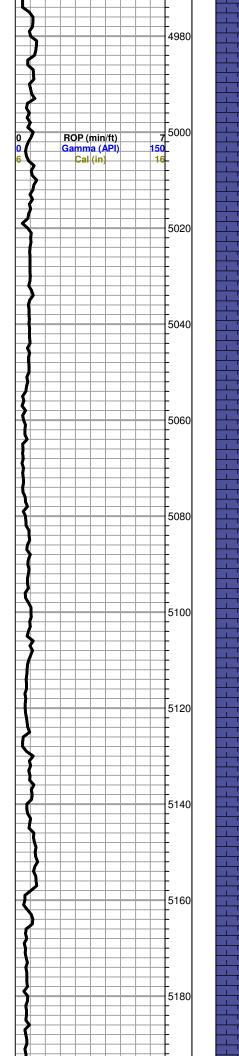


LS, cream to tan, FXL, chalky in parts,

LS, tan to brown, mott. dense, cherty in parts, poor visible porosity, no shows





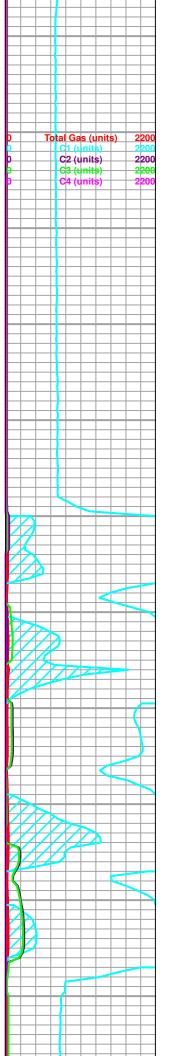


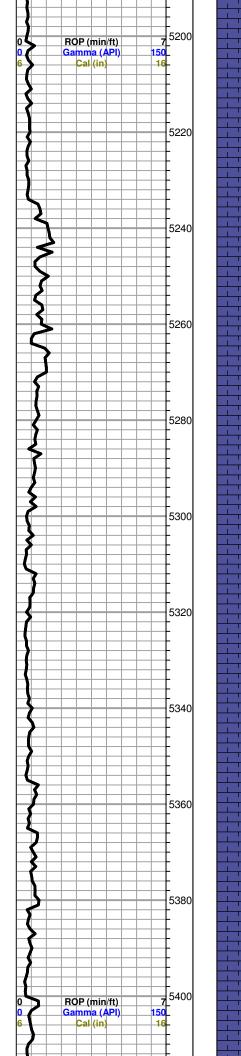


LS, cream to white, foss, chalky poor scattered porosity, no show

LS, brown, FXL, cherty, no shows

LS, cream to white, trace red back gray shales



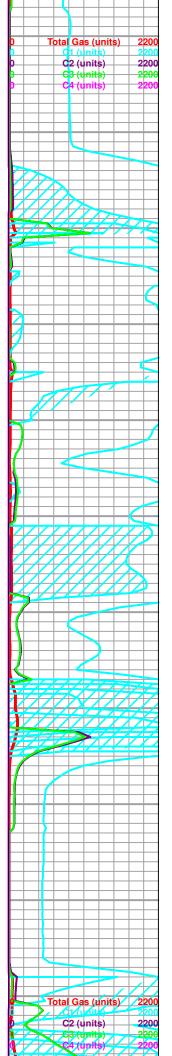


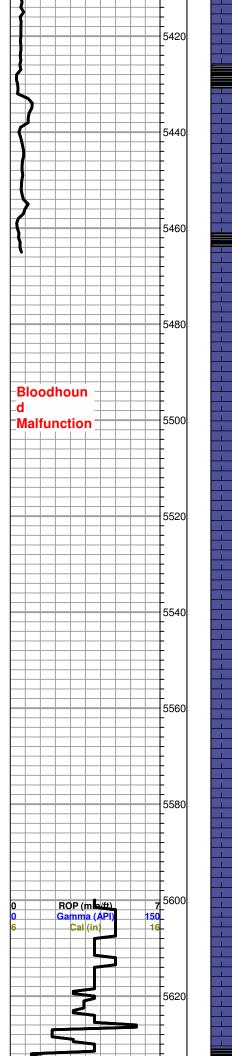
LS, gray, brown, FXL dense, chalky in parts, poor visible porosity, no shows

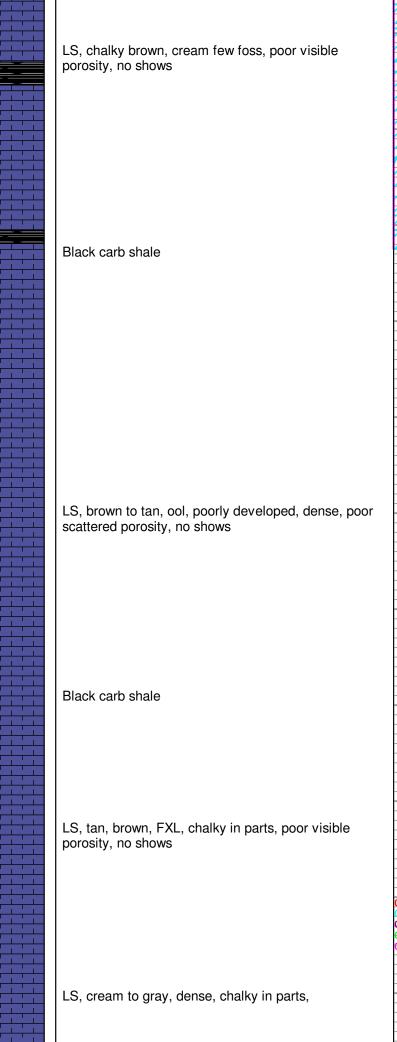
SH, gray to black

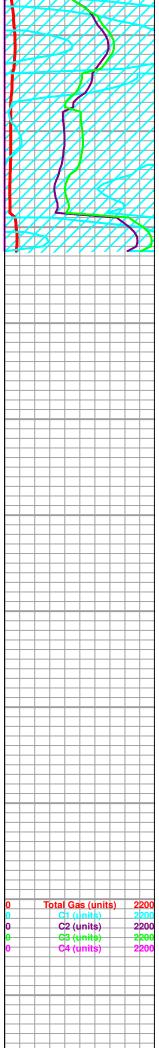
Sh. black, gray, trace LS, tan/brown, FX, dense, no shows

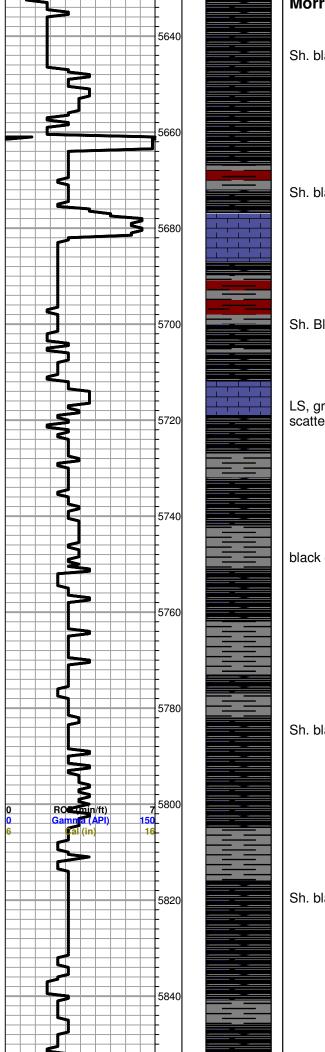
LS, cream/ chalky, no shows











Morrow 5631 (-2513)

Sh. black carb, silty in parts, soft

Sh. black carb, maroon, gray,

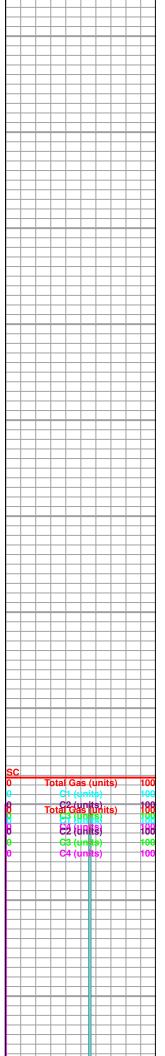
Sh. Black carb , maroon, gray, silty,

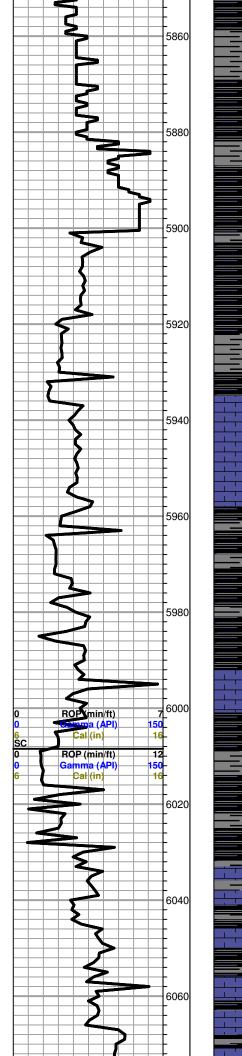
LS, gray, FXL, chalky, few foss, cherty in parts, poor scattered porosity

black carb shale trace gray, silty

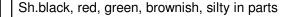
Sh. black carb

Sh. black carb





Sh, black gray silty,

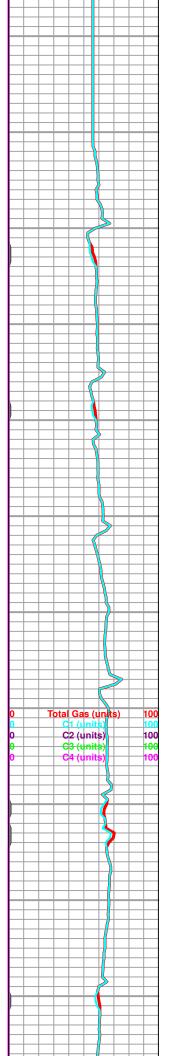


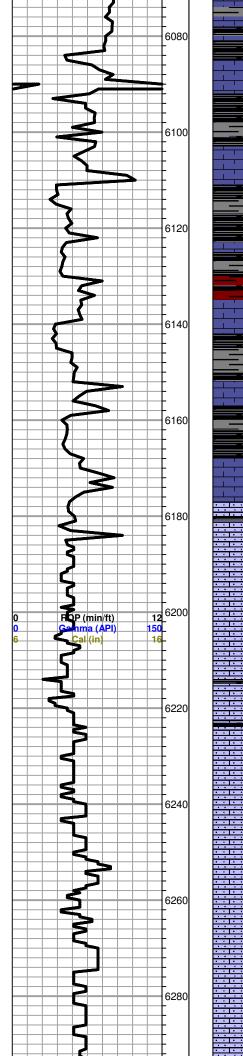
Sh. A/A trace LS, cream to gray, poorly developed, poor scattered porosity, no shows

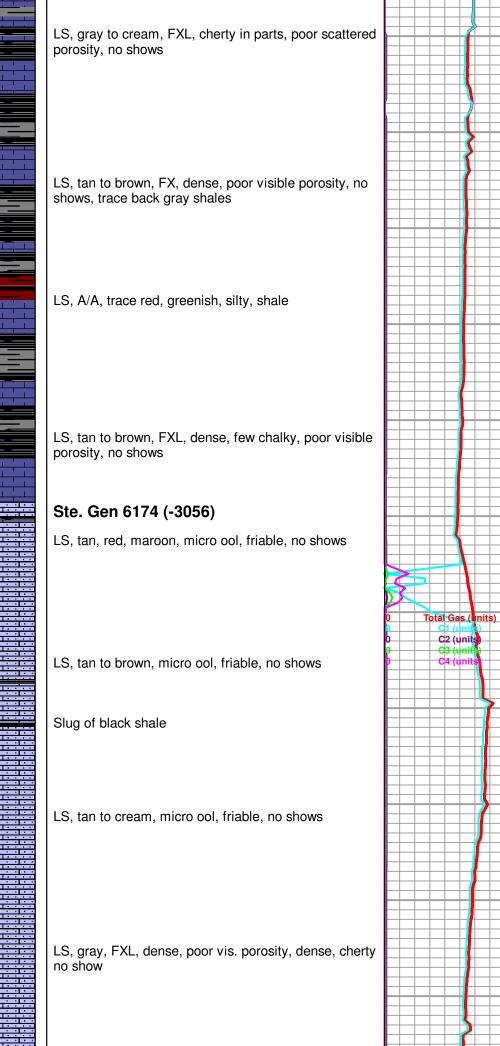
Sh. A/A trc. LS, cream brown, chalky, poor scattered porosity, $\ensuremath{\mathsf{N}}\xspace{\mathsf{S}}\xspace{\mathsf{S}}$

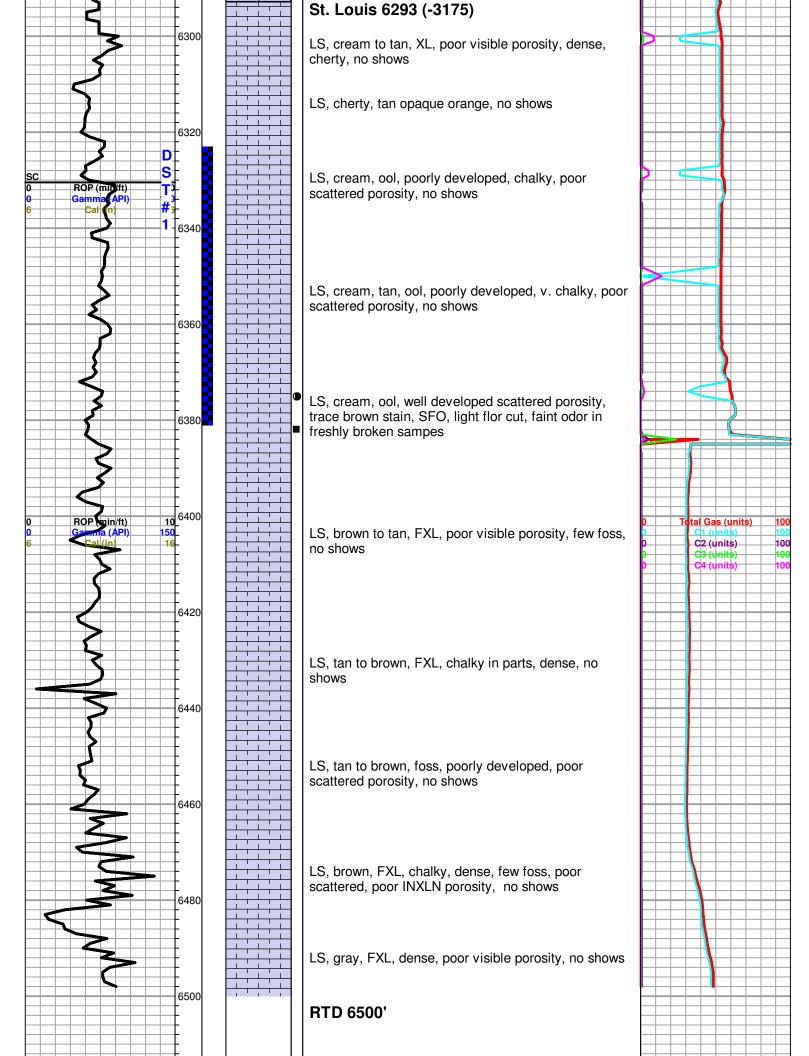
LS, cream to tan, FXL, cherty, poor visibe porosity, no shows

LS, brown, tan, FXL, dense, poor visible porosity,









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