

Scale 1:240 Imperial

	Scale 1:240 Imperial		
Well Name:	Ringwald 1-21		
Surface Location:	NW SE NW NE 21-28S-21W		
Bottom Location: API:	15-057-20969-0000		
License Number:	5004		
Spud Date:	12/7/2015	Time:	3:59 PM
Region:	SW KS	-	
Drilling Completed: Surface Coordinates:	12/19/2015 906' FNL & 1792' FEL	Time:	1:41 AM
Bottom Hole Coordinates:	900 FNE & 1792 FEE		
Ground Elevation:	2392.00ft		
K.B. Elevation:	2405.00ft		
Logged Interval:	2500.00ft	To:	5400.00ft
Total Depth:	5400.00ft		
Formation: Drilling Fluid Type:	MISS Chemical Mud		
Drining Flaid Type.	Onemical Midd		
	OPERATOR		
Company:	Vincent Oil Corporation		
Address:	155 N Market		
	Ste 700		
Contact Geologist:	Wichita KS 67202 Dick Jordan		
Contact Phone Nbr:	316.262.3573		
Well Name:	Ringwald 1-21		
Location:	NW SE NW NE 21-28S-21W	API:	15-057-20969-0000
Pool:	Wildcat	Field:	WILDCAT
State:	KS	Country:	Ford
	CONTRACTOR		
Contractor:	Duke Drilling Co., Inc.		
Rig #:	7		
Rig Type:	Rotary	_	
Spud Date:	12/7/2015	Time:	3:59 PM
TD Date: Rig Release:	12/19/2015 12/20/2015	Time: Time:	1:41 AM 1:45 AM
	12/20/2013	nine.	1.45 AW
	LOGGED BY		
Company:	Vincent Oil Corporation		

Phone Nbr	<ul> <li>155 N Market</li> <li>Ste 700</li> <li>Wichita KS 67202</li> <li>316.262.3573</li> </ul>	Namai	Tom Dudgoon	
Logged By	: Geologist	Name:	Tom Dudgeon	

## ELEVATIONS

K.B. Elevation: 2405.00ft

Ground Elevation: 2392.00ft

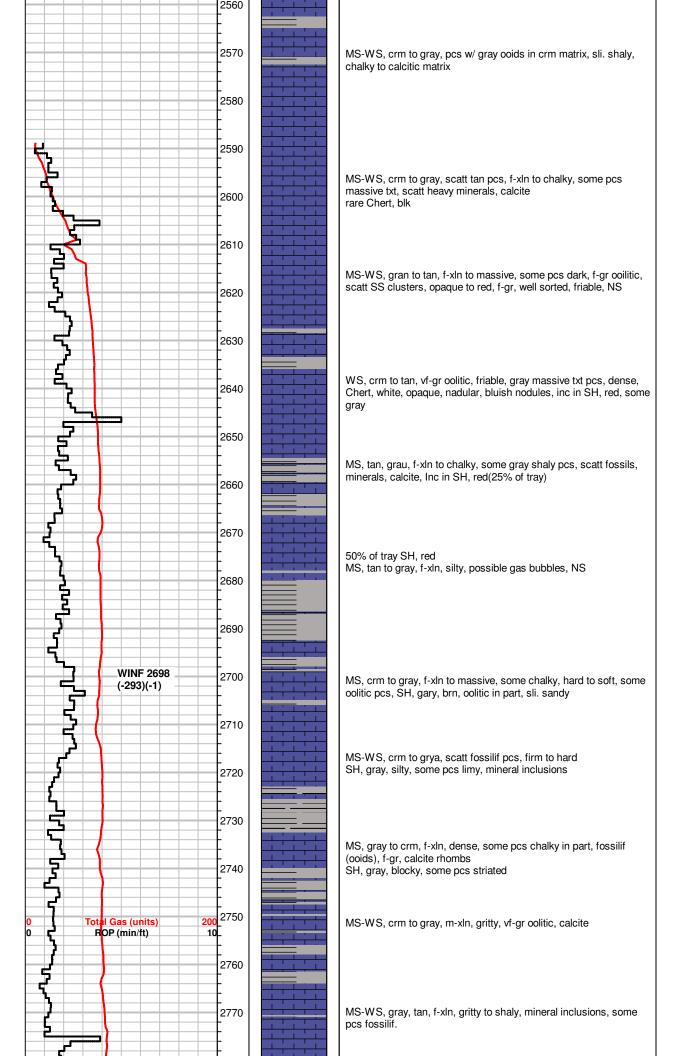
	K.B. to Ground.	13.001				
		•	TOTAL DEPTH			
Measurement 7	Гуре:		Mea	surement Depth:	TVD:	
RTD				5400.00	5400.00	
LTD				5400.00	5400.00	
		SURF	ACE CO-ORDIN	NATES		
	Well Type:	Vertical		L - Physica	07 5000055	
	Longitude: N/S Co-ord:	-99.6184819 906' FNL		Latitude:	37.5988855	
	E/W Co-ord:	1792' FEL				
		DRILLI	NG FLUID SUN	IMARY		
Туре			Date	From Depth	To Depth	
Chemical Mud			12/12/2015	3790.00ft	5400.00ft	
		CA	SING SUMMA	RY		
	Surface	Intermediate	Main			
Bit Size	12.25 in		7.88 in			
Hole Size	12.25 in		7.88 in			
	Size	Set At	Туре	# of Join		
Surf Casing	8.625 in	628 ft	23#	15	12/8/2015 12	:00 AM
Int Casing Prod Casing						
Frou Casing						
Turne			SING SEQUEN			
Type Surface		Hole Si 12.25			ft	
		OF	PEN HOLE LOO	GS		
	ogging Company:	CJ Cased Ho				
L	ogging Engineer: Truck #:	Jeff Luebbers 22339	5			
	Logging Date:	12/19/2015		Time Spent:	6	
	# Logs Run:	4	•	Run Successful:	4	
Tool	Logged Interval I	ogged Interval	LOGS RUN Hours	Remarks		Run #
Dual Induction	0.00ft	5400.00ft		nomans		1
NDE/CDE/PE	2600.00ft	5400.00ft	2.00			1
Micro Sonic	2600.00ft 0.00ft	5400.00ft 5400.00ft				2 2
	0.0011		OPERATION S	SUMMARY		2
Date	From	To		on Of Operation		
12/19/2015	0.00ft	5400.00ft	•	Successfully		

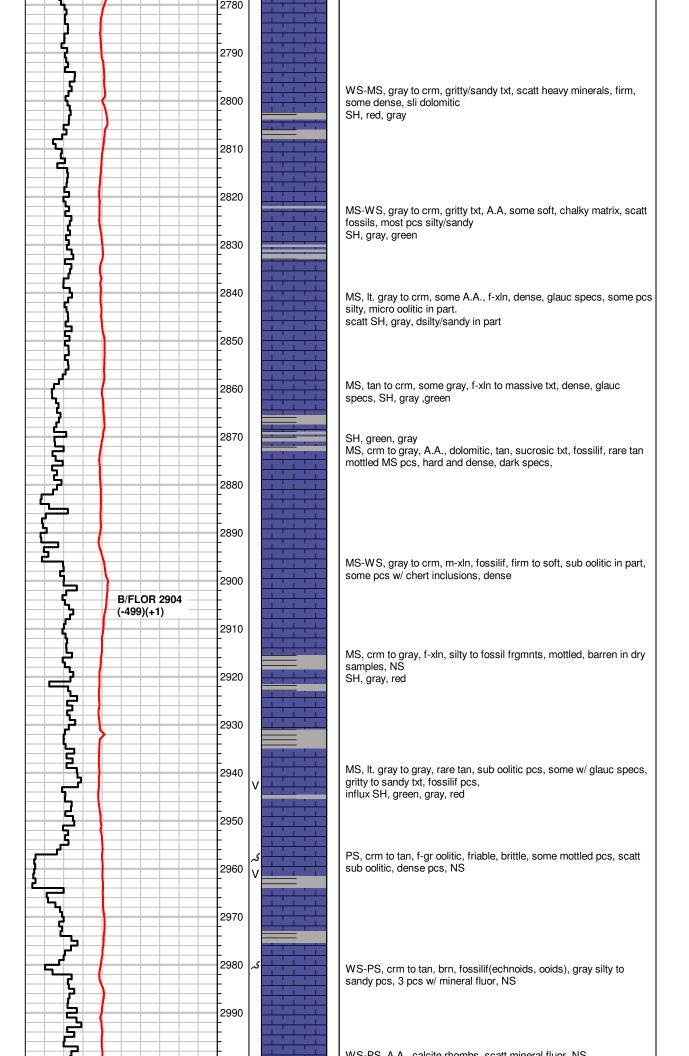
## NOTES

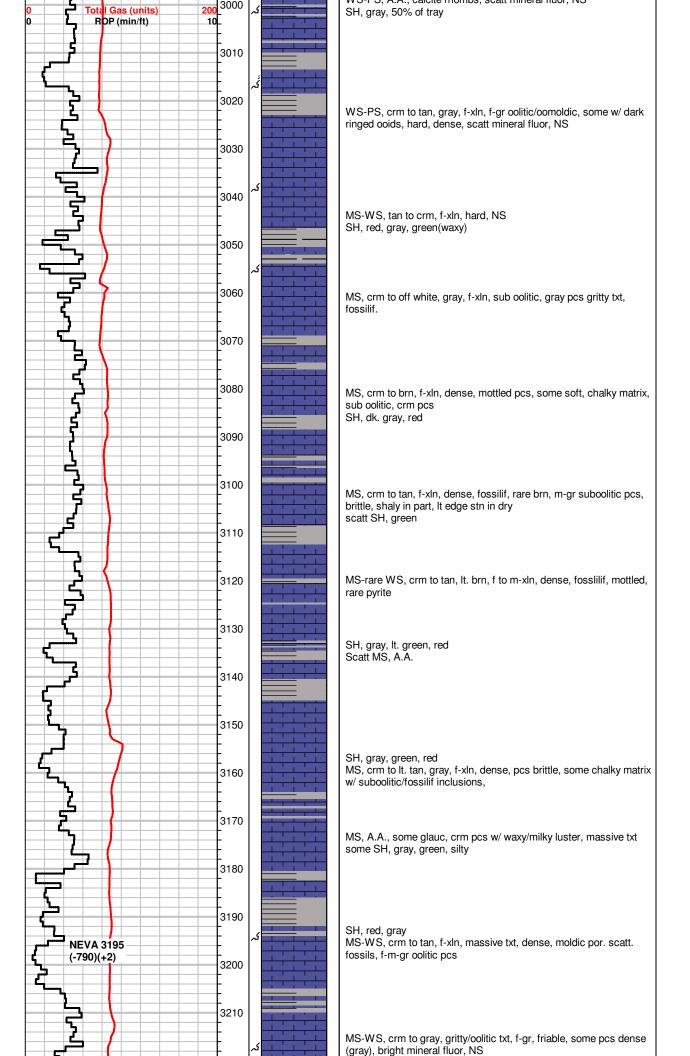
At 4774', drilling ahead, drilled to 4925', circ for samples in the Pawnee, started out of hole for short trip to condition hole prior to drilling ahead, pulled out six stands and drill pipe stuck, Tried to pull free, but could not. Reconnected Kelly hose back onto drill pipe and re-established circulation. Called out vacuum truck for oil to spot into wellbore

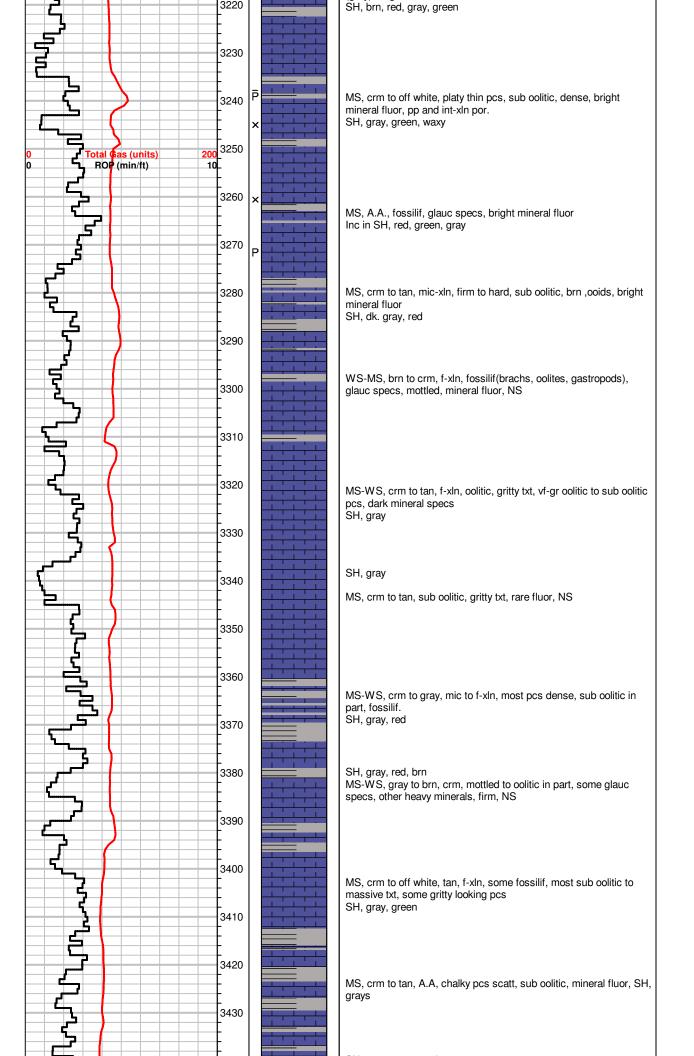
At 4925', spotting oil in hole to free drill pipe, spotted 40 bbls of crude hole and worked pipe, pipe stuck at approximately 7 stands off bottom, called out slam hammer and freed stuck pipe, ran bit back to bottom and circulated hole clear, started to trip back out of the hole. Hole apparently partially bridged off with bit approximately 7 stands off bottom, worked pipe free and pulled tight to 14 or 15 stands out then drill pipe stuck again, used slam hammer to free pipe, pipe pulled tight till approximately 20 stands out, tripped out remainder of drill pipe from hole. Tripped back in hole with drill pipe

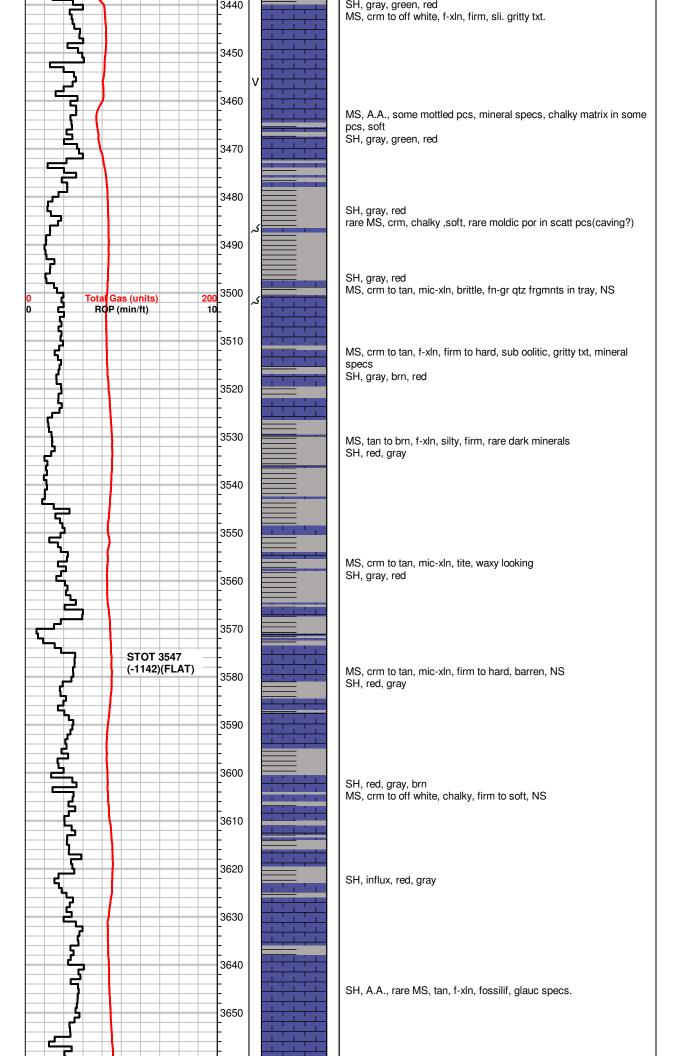
	Cht Coal Dolsec					Shblck       Image: Cht congle         Cht gy       Cht vari		
	ACCESSORIES       MINERAL     STRINGER       ✓ Dolomitic     Image: Dolomite							
_ ⊂ Ch	△ Chert White      □□ Limestone     □□ Shale							
× Inte	POROSITY TYPE       OIL SHOWS       INTERVALS         × Intercrystalline       ● Even Stn       ■ Core         ◊ Interoolitic       ● Spotted Stn 50 - 75 %       • DST         ∨ Vuggy       ● Spotted Stn 1 - 25 %       • DST         ✓ Moldic       ○ Questionable Stn       ○ Questionable Stn         ○ Organic       D Dead Oil Stn       ■ Fluorescence         ♥ Earthy       ■ Fluorescence       ■ Fluorescence							
	Curve Track #01			>	Γ	Printed by GEOstrip VC Striplog version 4.0.7.0 (www	<u>/.grsi.ca)</u>	
Total G ROP (r	<mark>tas (units)</mark> nin/ft) 1:240 Imperial	Cored Interval		Porosity Types Interpreted Lithology	Oil Shows	Geological Descriptions Comment		
0	ROP (min/ft)	200 <sup>2</sup> 10 2	2460 2460 2470			Geo on location @ 1:00 PM 12/12/2015 Bloodhound gas detector provided by Bluestem Labs		
			2480					
0 0	Total Gas (units) ROP (min/ft)	200 200 10	2490 2500			MS, gray to crm, f-xln, massive txt in part, some calcite rhombs		
			2510			scatt SH, gray MS, crm to It. gray, mic to f-xIn, dense to firm, scat fossils, 1 pc w/ dull fluor, NS		
		2	2530			SH, gray, silty, MS-WS, gray, f-gr ringed ooids, scatt secondary calcite rhombs, NS		
		2	2550			MS-WS, gray, f-xln, dense, scatt fossils majority of tray SH, gray		

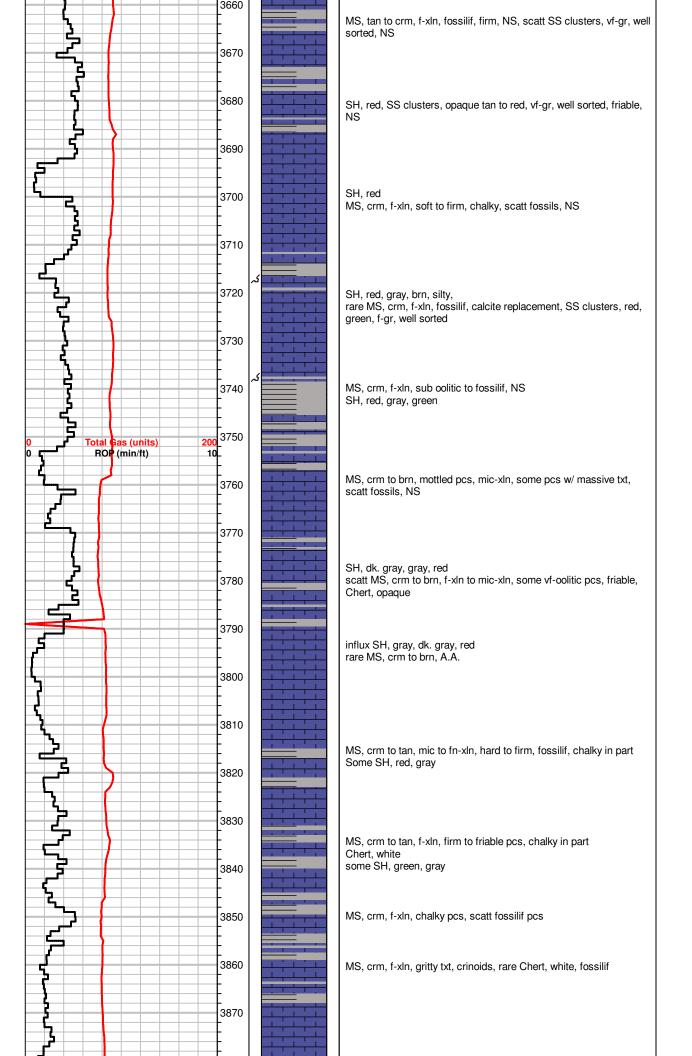


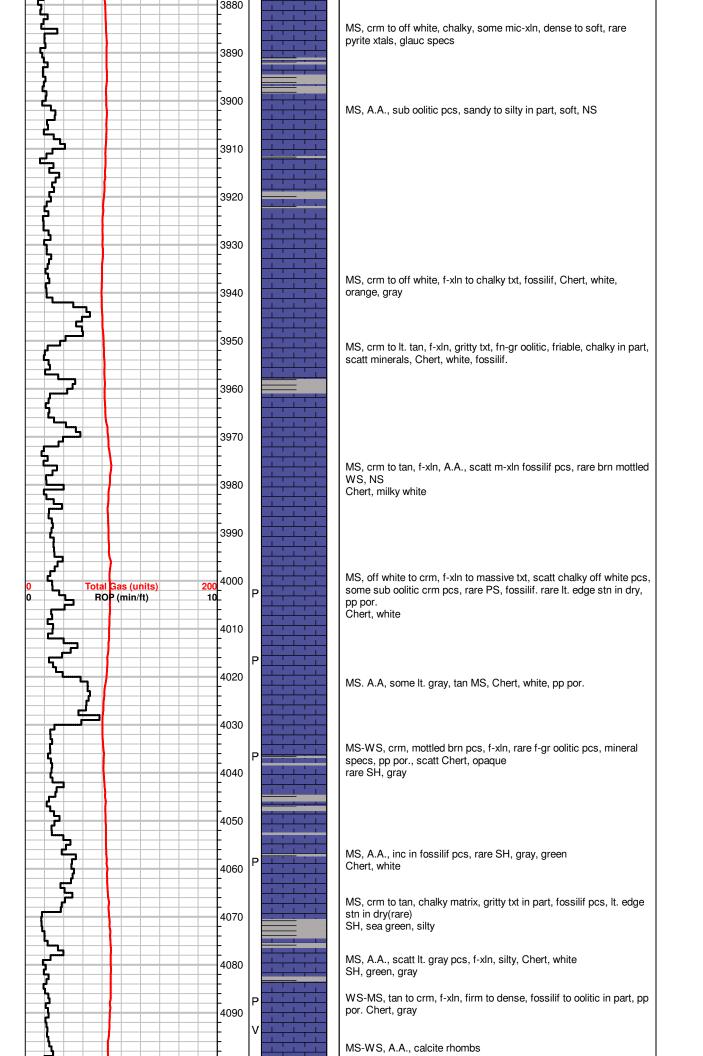


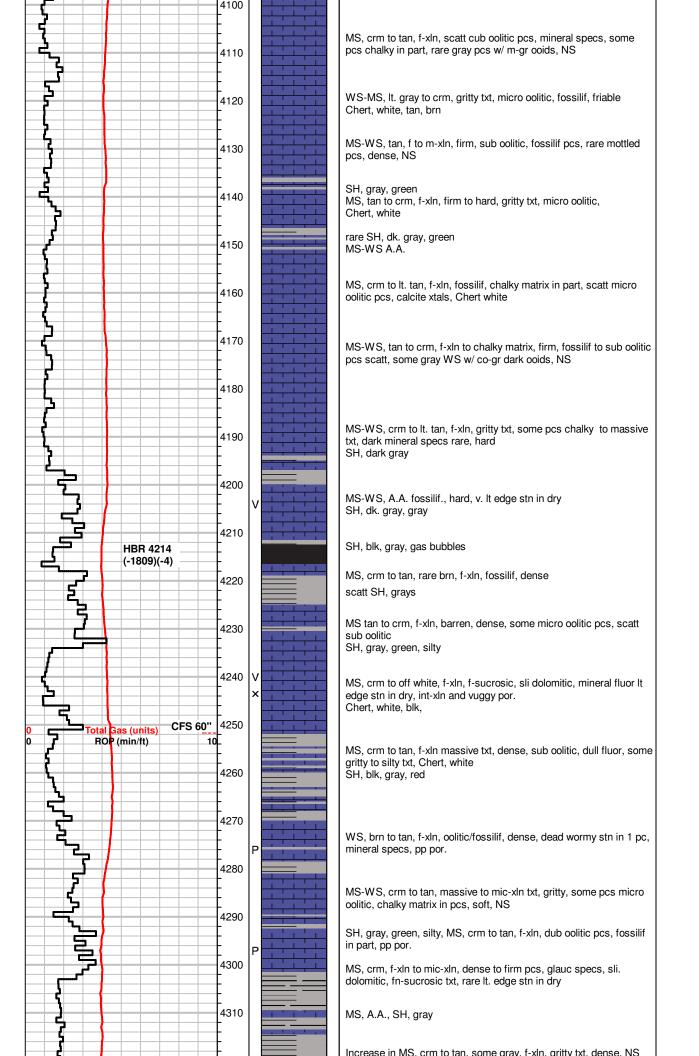


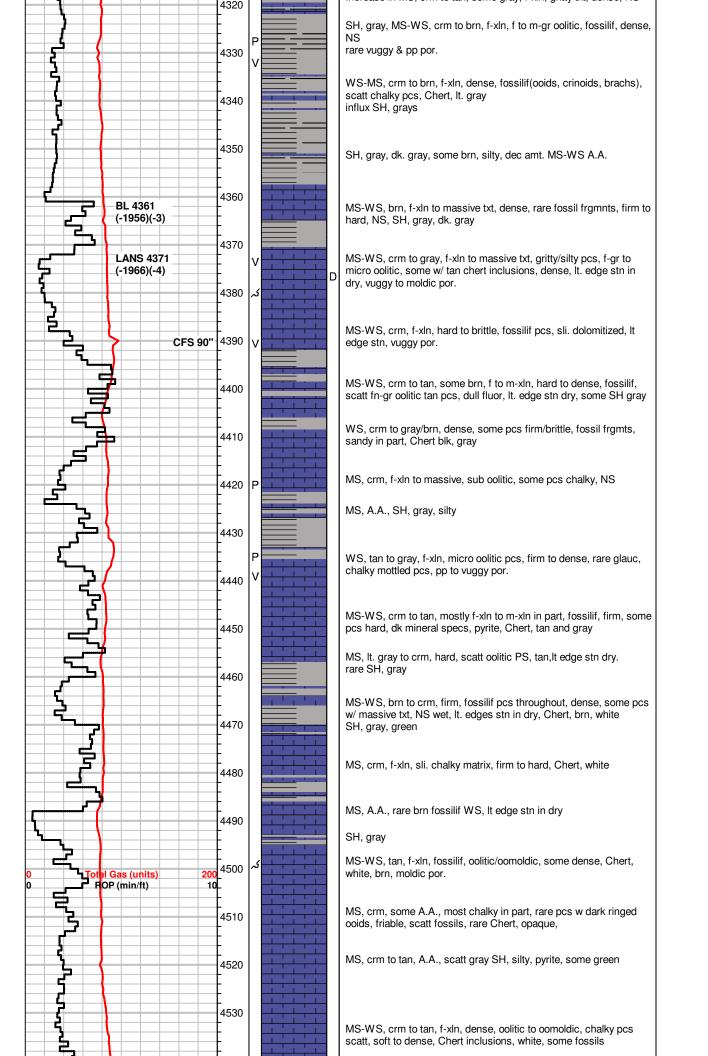


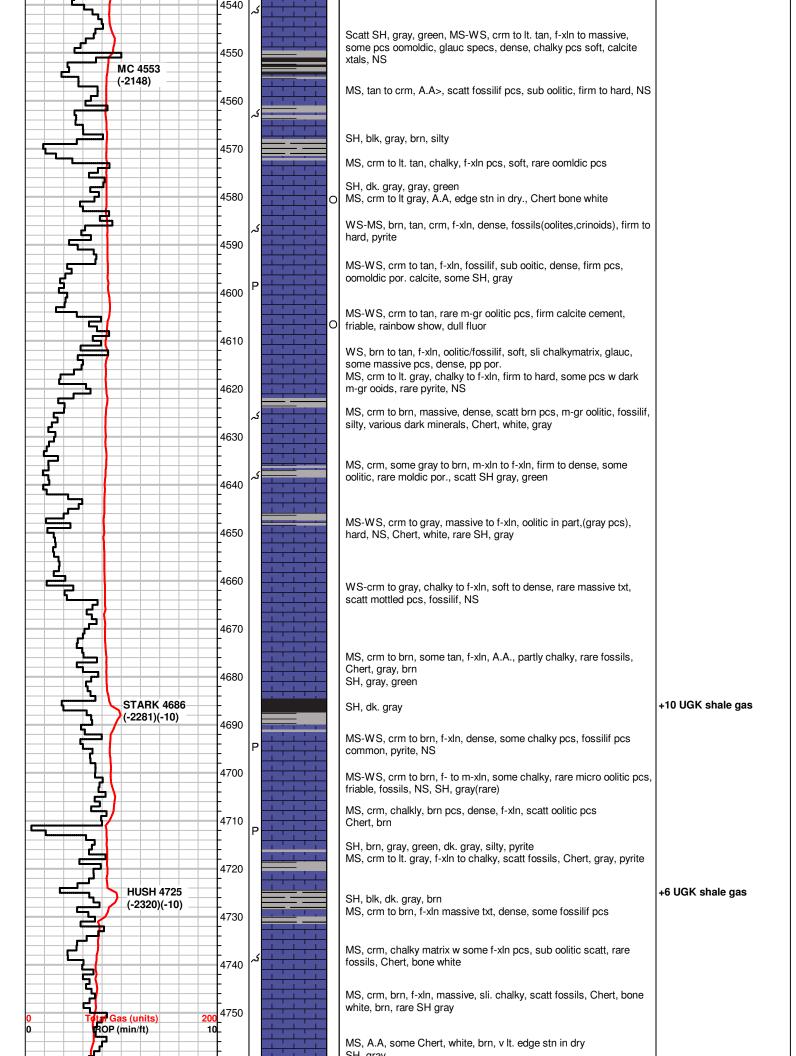


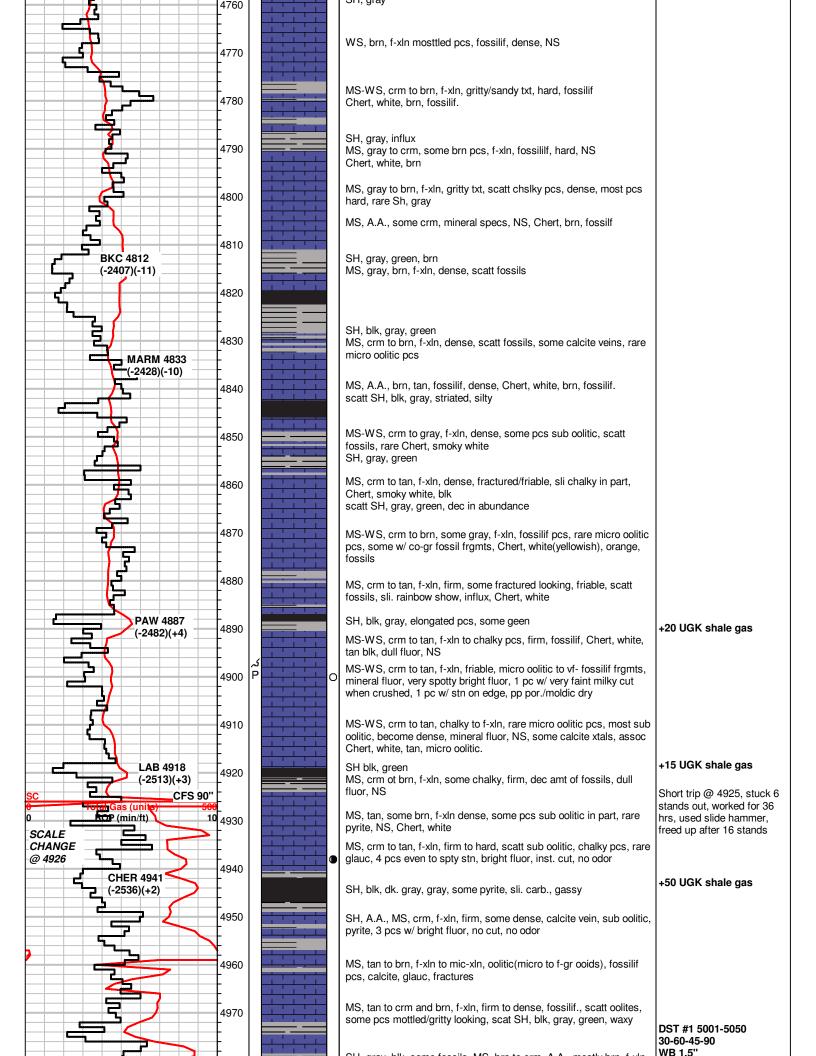


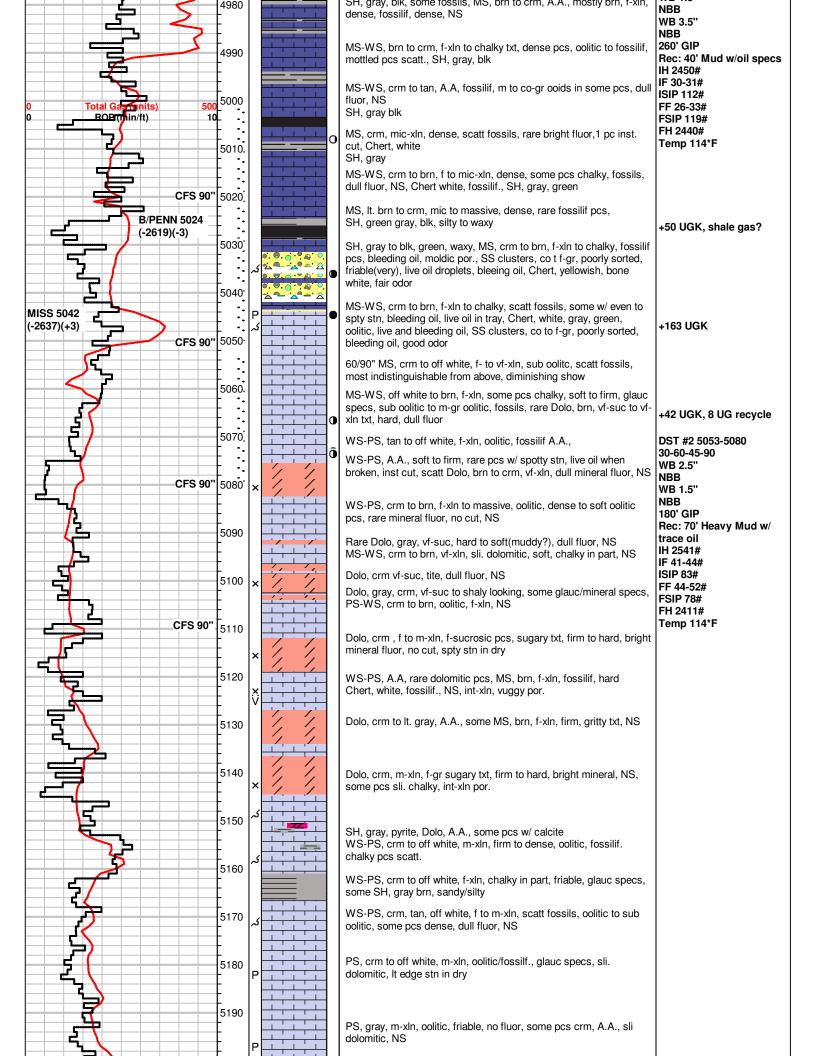


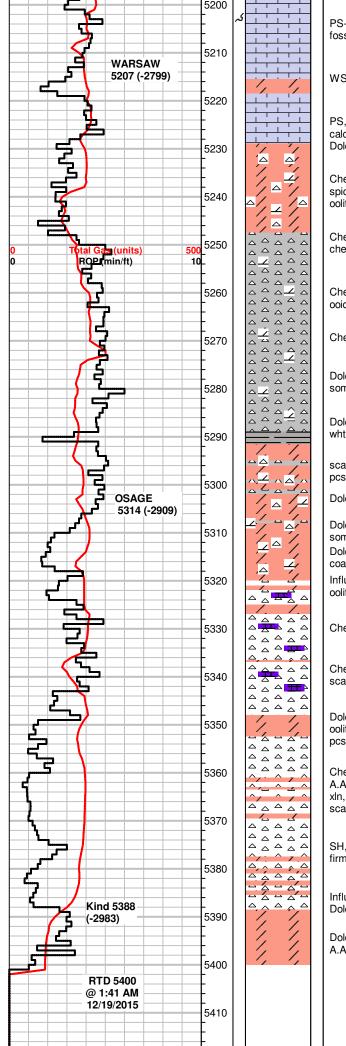












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	PS-WS, gray to crm, f-xln, gritty txt, some pcs sandy, oolitic, fossils, calcite, glauce specs throughout, NS
	WS-PS, A.A., scatt Dolo, crm f-xln, vf-sucrosic, hard, dull fluor, NS
	PS, A.A., gray to crm, f to m-xln, chalky in part, oolitic, glauc specs, calcite rhombs Dolo, crm, f-xln, hard, vf sucrosic txt, NS
	Cherty Dolo, gray to crm, some pcs, opaque, vf-xln, dense, hard, spicules, glauc, dull to no fluor, scatt WS-PS,gray to crm, f-xln, oolitic, hard
	Chert, white, gray, blocky pcs, spicules, fractured, hard, dolomitic chert in part, A.A.
	Chert, gray, white, clear, dolomitic in part, oolitic, some glauc, m-gr ooids in cherty matrix, some pcs gritty, no fluor, NS
	Chert, A.A.
	Dolomitic Chert, gray, scatt crm, vf-xln, gritty txt, hard, no fluor, some dolomite, gray, vf-suc, hard, scatt white Chert
	Dolo, brn to gray, vf-xln, gritty/silty looking, hard to firm pcs, Chert, whtie
	scatt SH, gray, blk, Dolo, gray to brn, vf-xln, silty/gritty, hard to soft pcs, no fluor
	Dolo, grayish brn, some crm, vf-suc to sugary txt, firm to hard, gritty
	Dolo, A.A, limy in pcs., influx of Chert, white to gray, spicules, some limey, blocky oolitic to fossilif Dolo, grayish-brn, crm, vf-suc, vf-sugary txt, firm to hard, limy, coarse gritty txt in part, some SH, grays Influx Chert, white, gray, spicules, some limy, blocky pcs, oolitic/fossilif,
	Chert, white to bone white, fresh, fossils, oolitic A.A.
	Chert, white, bone white, fresh to weathered, fossilif., spicules, scatt WS-PS, crm to off white, f-xln, oolitic, firm, NS
	Dolo, gray, vf-suc txt, soft, some pcs hard, rare PS, crm, f-xln, oolitic, glauc, Chert, white, angular, fossilif, fresh, scatt weathered pcs, some SH, gray, blk
	Chert, white, bone white, some orange-ish, fresh to weathered A.A., Dolo, gray to brn, vf-suc, hard to firm, some WS-PS, crm, f- xln, oolitic, NS scatt SH, gray
	SH, blk, gray, Chert, white, A.A. scatt Dolo, gray to brn, vf-sucrosic, firm, gritty txt, NS $% \left( {{\rm S}_{\rm s}} \right) = {\rm S}_{\rm s} \left( {{\rm S}_{$
	Influx, Chert, white, fresh to wetherd, fossilif, some pcs limy, Dolo, crm, vf-sucrosic, gritty to f-gr sugary txt, mineral fluor, NS
	Dolo, crm, vf-suc, sugary txt, hard to frim, scatt friable pcs, Chert, A.A., fossilif, fractured

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