Woolsey Operating Company, LLC Scale 1:240 (5"=100') Imperial Measured Depth Log							
Well Name:	Miller D #1						
Location:	E2 NW NW NW						
License Number:	API: 15-007-23710-00-00 Region: Barber County, Kansas						
Spud Date:	June 2, 2011 Drilling Completed: June 12, 2011						
Surface Coordinates:	330' FNL & 500' FWL Section 14-Twp 34 South - Rge 11 West Wildcat						
Bottom Hole	Vertical Hole						
Coordinates:							
Ground Elevation (ft):	1375 K.B. Elevation (ft): 1384						
Logged Interval (ft):	3000 To: RTD Total Depth (ft): 5225						
Formation:	McLish Shale						
Type of Drilling Fluid:	Chemical Mud, Displace at 3429' Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com						

# OPERATOR

Company: Woolsey Operating Company,LLC Address: 125 N. Market, Suite 1000 Wichita, KS 67202

## GEOLOGIST

Name:W. Scott AlbergCompany:Alberg Petroleum, LLCAddress:609 Meadowlark Lane Pratt, Kansas 67124

### **FORMATION TOPS**

	SAMPLE TOPS	LOG TOPS
LECOMPTON	3435(-2051)	3429(-2045)
HEEBNER	3653(-2269)	3648(-2264)
DOUGLAS	3690(-2306)	3684(-2300)
HASKELL	4077(-2693)	4072(-2688)
QUINDARO SHALE	4153(-2769)	4148(-2764)
HUSHPUCKNEY SHALE	4366(-2982)	4360(-2976)
B/KC	4415(-3031)	4411(-3027)
PAWNEE	4514(-3130)	4508(-3125)
CHEROKEE GROUP	4561(-3177)	4556(-3172)
MISSISSIPPIAN	4598(-3214)	4595(-3211)
KINDERHOOK SHALE	4788(-3404)	4784(-3400)
WOODFORD SHALE	4871(-3487)	4867(-3483)
VIOLA	4902(-3518)	4899(-3515)
SIMPSON GROUP	5021(-3637)	5016(-3632)
SIMPSON SAND	5034(-3650)	5030(-3646)
MCLISH SHALE	5094(-3710)	5087(-3703)
MCLISH SAND	5190(-3806)	5186(-3802)
RTD	5225(-3841)	
LTD	. ,	5218(-3834)
	()	5218(-3834)

#### COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 214' with 240 sxs Class A, 2% gel, 3% cc, plug down at 4:30 am on June 3, 2011. Cement did Circulate. Production Casing: Ran 5 1/2" Casing. Deviation Surveys:1 1/2- 220', 1 - 1229', 1/2-1763', 1 1/4-2201,3/4 - 2705', 1 - 3209', 1/2 - 3618', 1 1/2 - 3806, 1 - 3899', 3/4 - 4023', 1/4 - 4149', 3/4 - 4640', 1 - 5225' Contractor Bit Record: 1- 14 3/4" out at 220'.

2 - 7 7/8" out at 4640'. 3 - 7 7/8" out at 5225'.

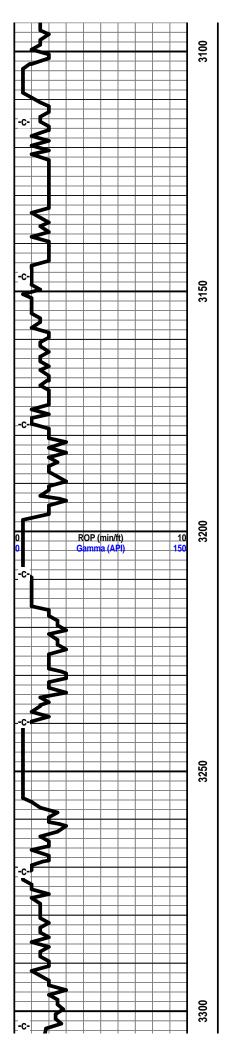
Gas Detector: Woolsey Operating Company, Trailer #1 Mud System: Mud Co, Aaron Rush, Brad Bortz, Engineers DSTs: Two Tessts by Superior Testers Enterprises, LLC Logged by Superior Well Services LTD - 5218'.

DST #1 4524 to 4640 Times 30-60-60-120 1st Opening - BOB in 5 minutes, no blow back 2nd Opening - BOB in 1 minute, no blow back Recovery: 70' Drilling Mud, 60' Mud with slight show of oil, (1/2% oil, 99 1/2% Mud), No GIP. IHP 2337 FHP 2195 IFP 131-119 FFP 121-142 **ISIP 703 FSIP 884** DST #2 4648 to 4690' Times 30-60-60-120 1st Opening - Weak blow building to 6 1/2" in bucket 2nd opening - Fair blow built to BOB on 11 minutes Recovery: 70' Drilling Mud, 60' SOCM (5% oil, 5% gas, 90% Mud) IHP 2347 FHP 2337 IFP 61-93 FFP 91-120 **ISIP 360 FSIP 587** 

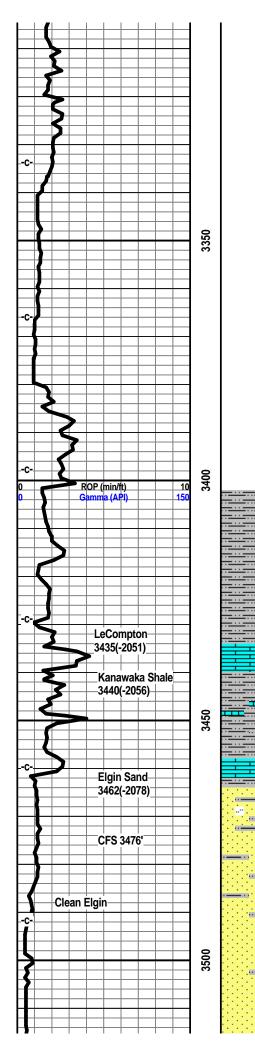
H2 Drilling Rig #3 Tool Pusher - Randy Smith Drillers - Gary Axtell Luis Marquez Cain Charles		CREWS	
Anhy Anhy Bent Cht Clyst Coal	RC	DCK TYPES Lmst TTTT Mrlst Salt Shale Shale Stst Ss	Black sh Gry sh Shale ShysItst Sitysh

### DST'S

MINERAL         ∅       Anhy         □       Arg         □       Arg         □       Bent         □       Bit         □       Bit         □       Brecfrag         □       Calc         □       Carb         □       Carb         □       Chtdk         □       Chtlt         □       Dol         ●       Ferrpel         □       Ferr         ☑       Glau         ▷       Gyp         □       Marl         ◎       Nodule         ●       Phos         ▷       Pyr         □       Salt         □       Sandy         □       Silt	<ul> <li>Chlorit</li> <li>Dol</li> <li>Sand</li> <li>Slty</li> <li>FOSSIL</li> <li>Algae</li> <li>Algae</li> <li>Amph</li> <li>Belm</li> <li>Bioclst</li> <li>Brach</li> <li>Brach</li> <li>Brach</li> <li>Cephal</li> <li>Coral</li> <li>Crin</li> <li>Echin</li> <li>Fish</li> <li>Foram</li> <li>Fossil</li> <li>Gastro</li> <li>Oolite</li> <li>Ostra</li> </ul>	<ul> <li>Pellet</li> <li>Pisolite</li> <li>Plant</li> <li>Strom</li> <li>Fuss</li> <li>Oomoldic</li> </ul> STRINGER <ul> <li>Anhy</li> <li>Arg</li> <li>Bent</li> <li>Coal</li> <li>Dol</li> <li>Gyp</li> <li>Ls</li> <li>Mrst</li> <li>Sitstrg</li> <li>Ssstrg</li> </ul>	Grysh Grysht Lms Sandylms Sh Sltstn TEXTURE S Boundst Chalky C Cryxln Earthy S Finexln S Grainst Lithogr Microxln S Mudst S Packst	
Curve Track 1           ROP (min/ft)           Gamma (API)           0           ROP (min/ft)           10           Gamma (API)           150           Gamma (API)           150           ROP (min/ft)           10           Gamma (API)           150           Gamma (API)           Gamma	3050 30 Depth Tithologia	Geological Descriptions Dailey Drilling Progress June 2, 2011 MIRT June 3, 2011 220' @ 7:00 am WOC June 4, 2011 1350' @ 7:00 am June 5, 2011 2620' @ 7:00 am June 6, 2011 3429' @ 7:00 am June 7, 2011 3965' @ 7:00 am June 8, 2011 4545' @ 7:00 am June 9, 2011 4640' @ 7:00 am June 10, 2011 4690' @ 7:00 am June 11, 2011 5020' @ 7:00 am June 12, 2011 5225' @ 7:00 am	TG, C1-C5         TG (units)         C2 (units)         C3 (units)         C4 (units)         C5 (units)         0       TG         0       T	

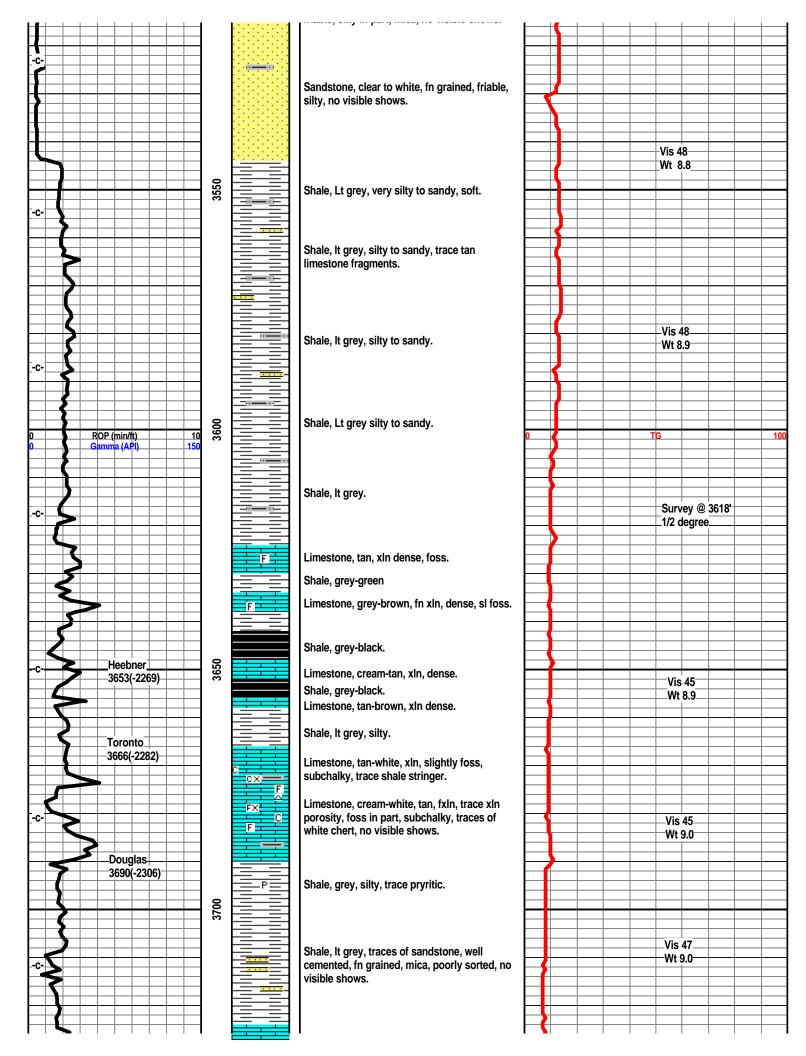


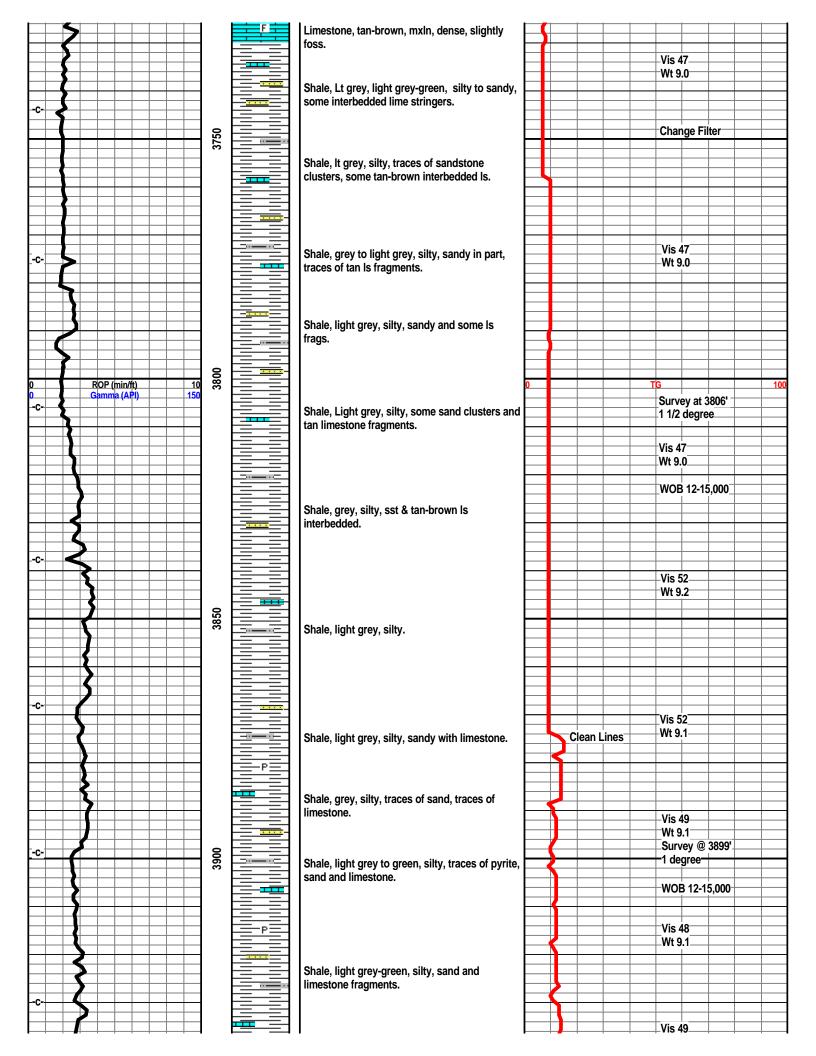
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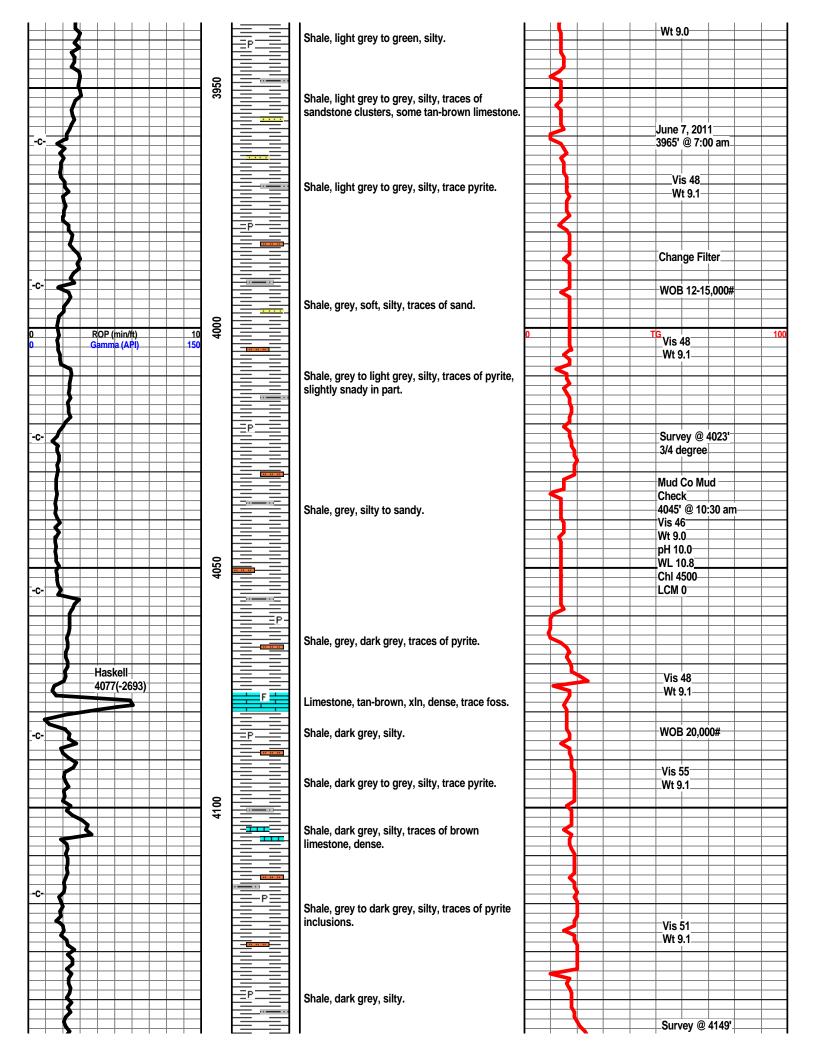


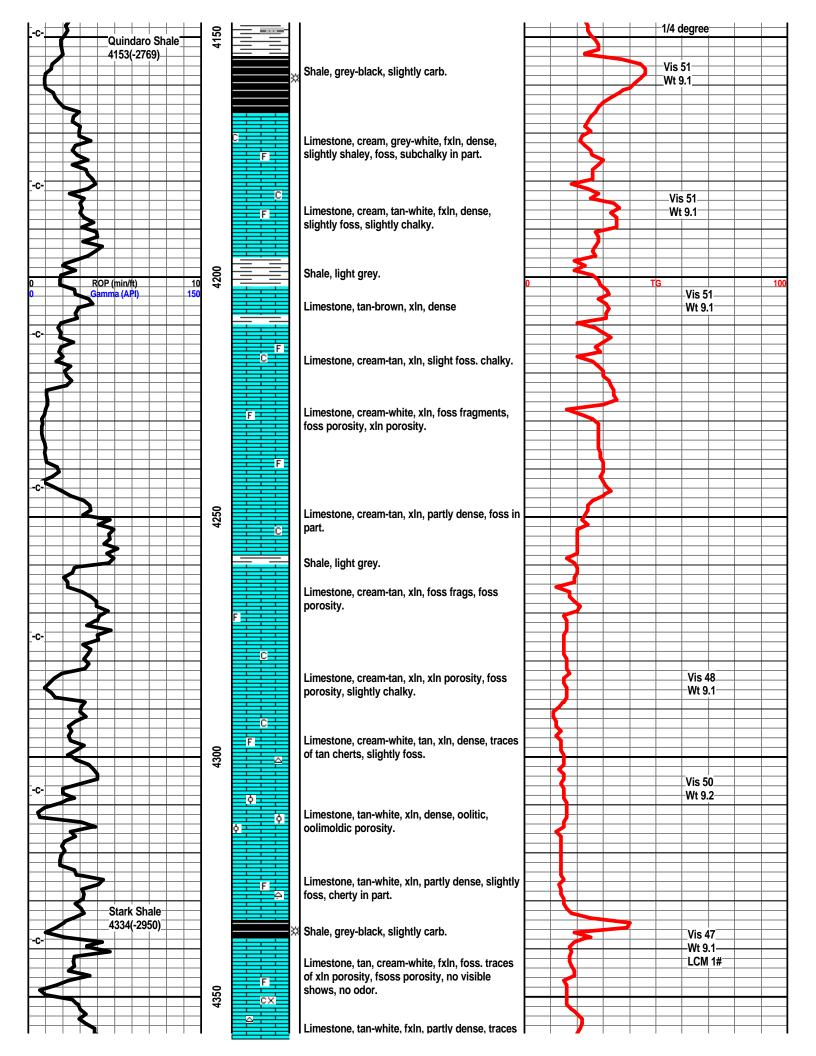
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						3429	laced Mud	00 am @ 342 Co M ck	29' ud	
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Limestone, tan-white, xIn, dense, foss. in part.						3429	V @ 7: laced Mud Cheo 3442 June Vis 5	00 am @ 342 Co M ck 2' @ 7: \$ 6, 20	29' ud 30 am	
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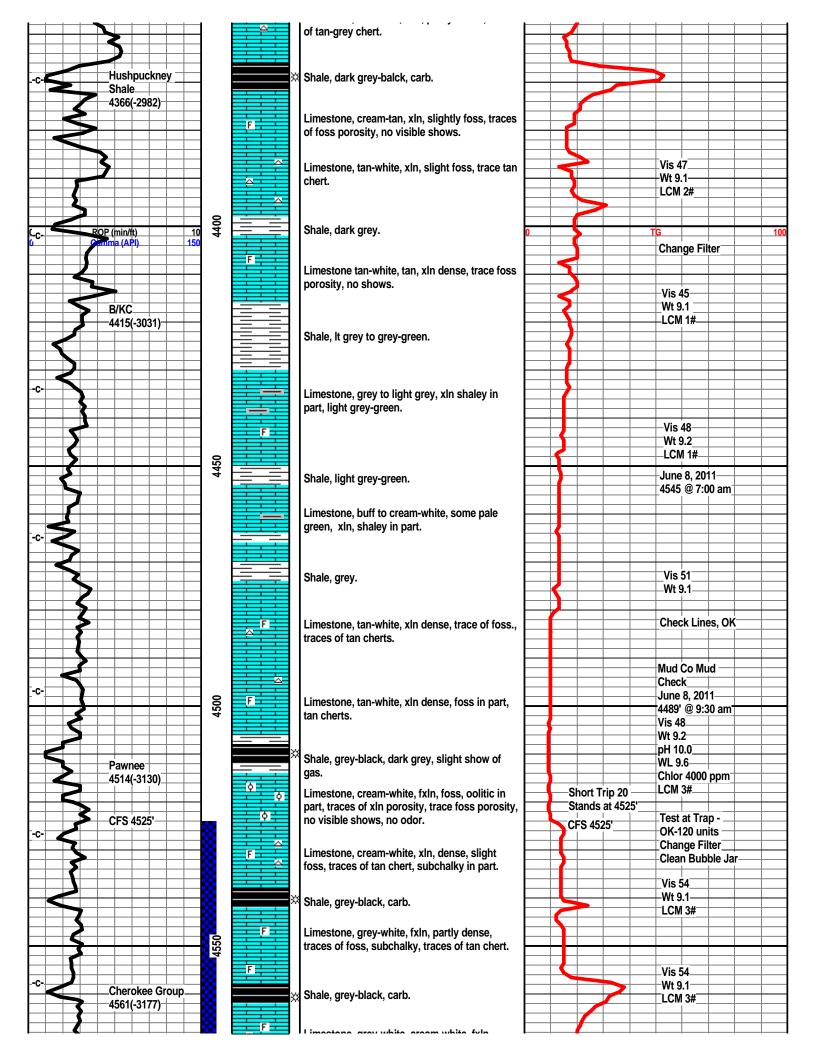
Sandstone, clear to grey-white, fn grained, friable. siltv in part. mica. no visible shows.

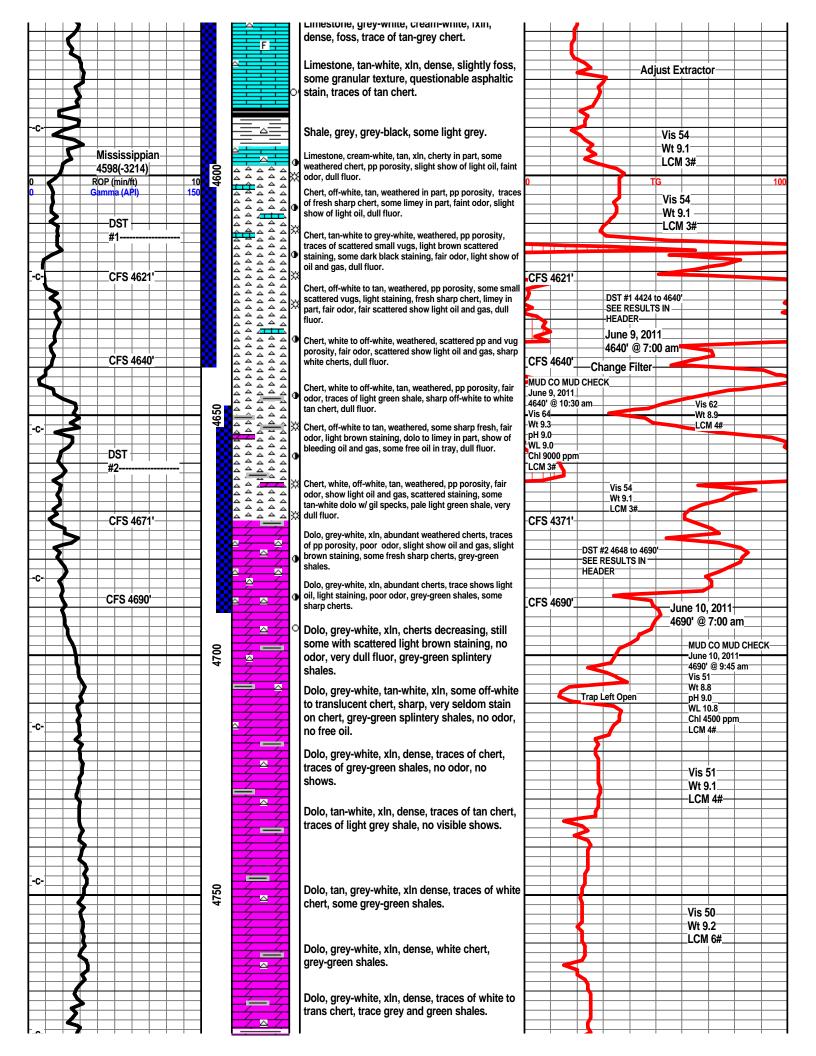


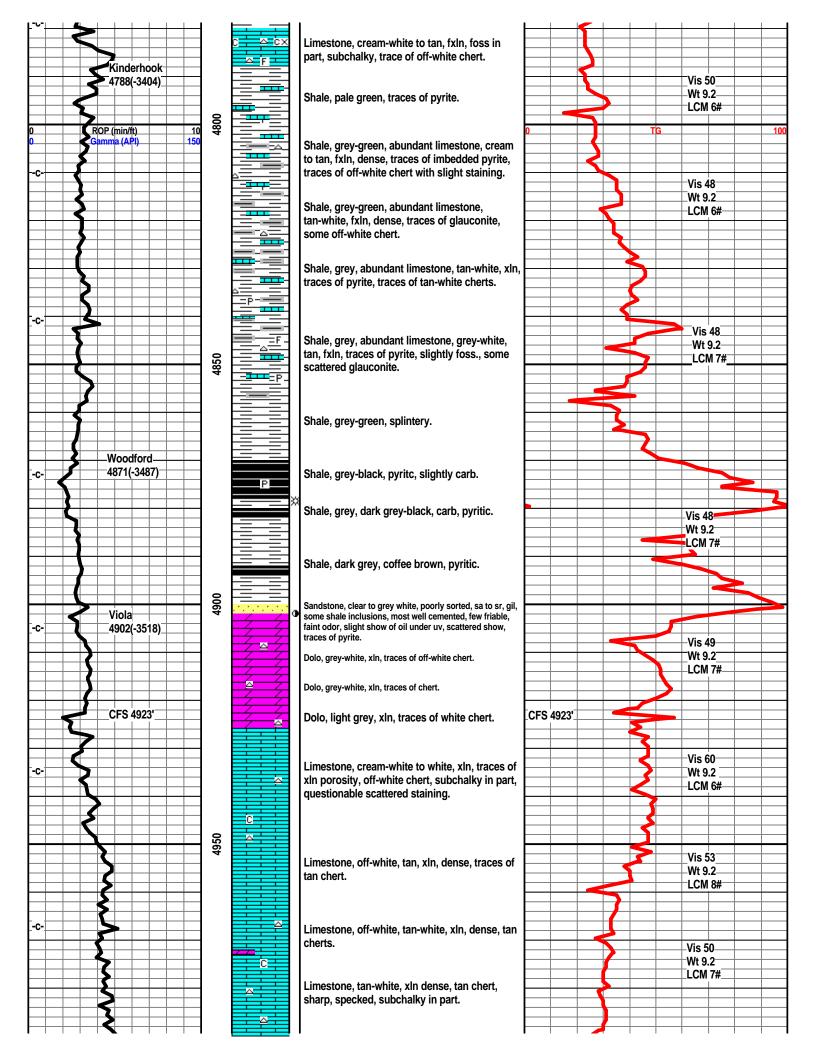


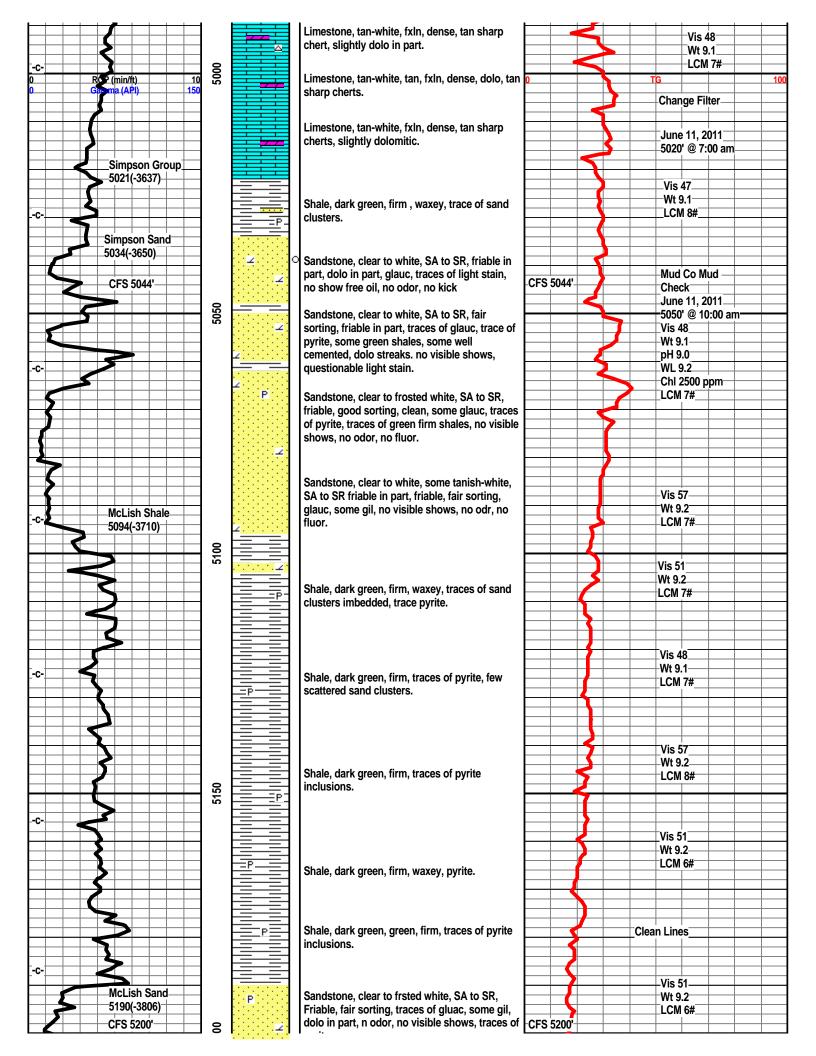












	ROP (min/ft) 10 Gamma (API) 150	25	pyrite.	0		TG		100
Z		P.	Sandstone, clear to white, SA to SR, friable, some well cemented, fair sorting, trace glauc, trace pryite, dolomitic in part.				s 51 t 9.2	
-c-	Arbuckle5220(-3636)	2			2		CM 7#	
5	RTD 5225'	-7-7-	Dolomite, tan-white, xln, succ, dull fluor., no visible shows, no odor.	RTD 5225' LTD 5218'	1	June 1	2, 2011 © 7:00 am	
				Survey @	5225'	Loggin		
				1 degree				
		5250					_	
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		8						