

Woolsey Operating Company, LLC Scale 1:240 (5"=100") Imperial

Measured Depth Log

Well Name: Jahay #4

Location: E/2 W/2 SW NW

License Number: API: 15-007-23686-00-00 Region: Barber County, Kansas

Spud Date: May 4, 2011 Drilling Completed: May 12, 2011

Surface Coordinates: 1980' FNL, 620' FWL Section 31-Twp 33 South - Rge 10 West

Kochia Pool

Bottom Hole Vertical Hole

Coordinates:

Ground Elevation (ft): 1454 K.B. Elevation (ft): 1463 Logged Interval (ft): 4000 To: 5130 Total Depth (ft): 5130

Formation: McLish Shale

Type of Drilling Fluid: Chemical Mud, Displace at 3400'

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 Alberg

Company: Alberg Petroleum, LLC Address: 609 Meadowlark Lane

Pratt, Kansas 67124

	FORMATION TOPS		
	SAMPLE TOPS	LOG TOPS	
HUSHPUCKNEY SHALE	4368(-2905)	4368(-2905)	
B/KC	4424(-2961)	4424(-2961)	
PAWNEE	4519(-3056)	4515(-3052)	
CHEROKEE GROUP	4562(-3099)	4563(-3100)	
MISSISSIPPIAN	4586(-3123)	4586(-3123)	
KINDERHOOK SHALE	4810(-3347)	4812(-3349)	
WOODFORD SHALE	4886(-3423)	4890(-3427)	
VIOLA	4734(-3471)	4931(-3468)	
SIMPSON GROUP	5020(-3557)	5021(-3558)	
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5040(-3577)

5088(-3625)

5130(-3667)

COMMENTS

5042(-3579)

5085(-3622)

5131(-3668)

Surface Casing: Set 5 joints 10 3/4" at 214' with 240 sxs Class A, 2% gel, 3% cc, plug down at 5:15 am on May 5, 2011. Cement did Circulate.

Production Casing: .

SIMPSON SAND

MCLISH SHALE

RTD LTD

Deviation Surveys:1 1/4- 220', 3/4-1208', 1/4-1718', 1/2-2226', 1 1/2-2734, 1 1/4-3211', 1-3909', 1 1/4-4002, 4097-3/4,4668'-1, 1/2-5130.

Contractor Bit Record:

1- 14 3/4" out at 220'. 2- 7 7/8" out at 5130'

Gas Detector: Woolsey Operating Company, Trailer #2 Mud System: Mud Co, Aarron Rush, Brad Bortz, Engineers

DSTs: none

Logged by Superior Well Services.

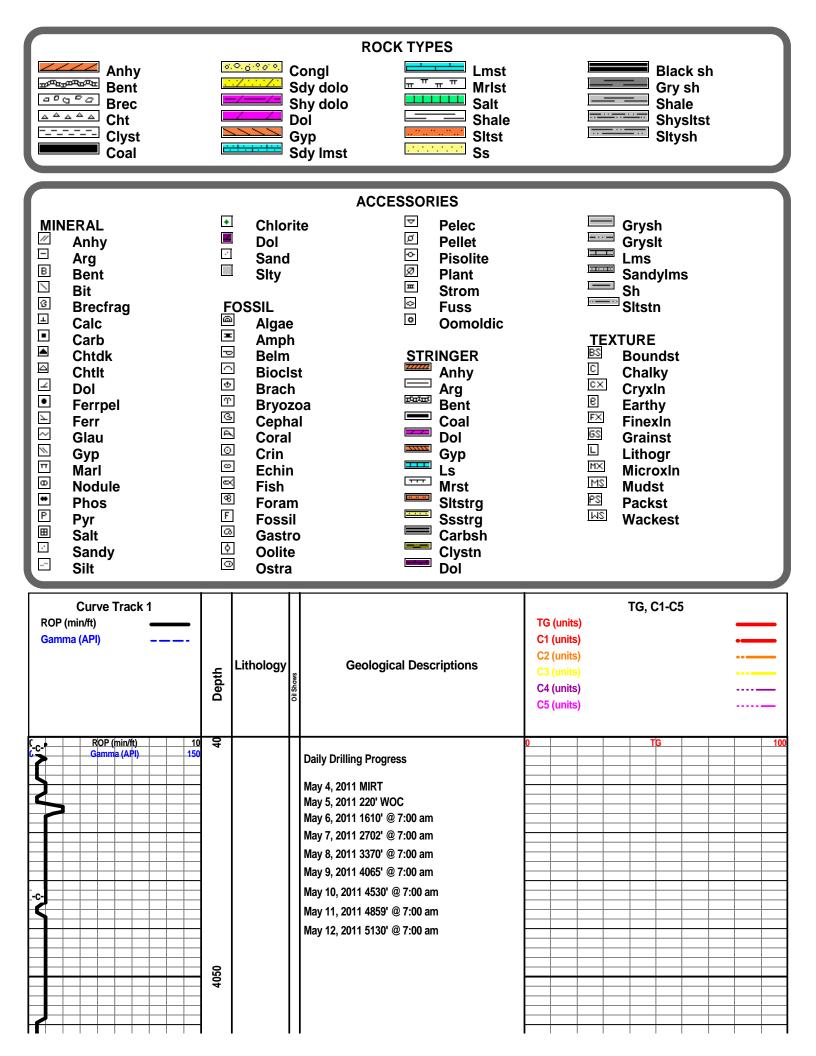
LTD - 5131'

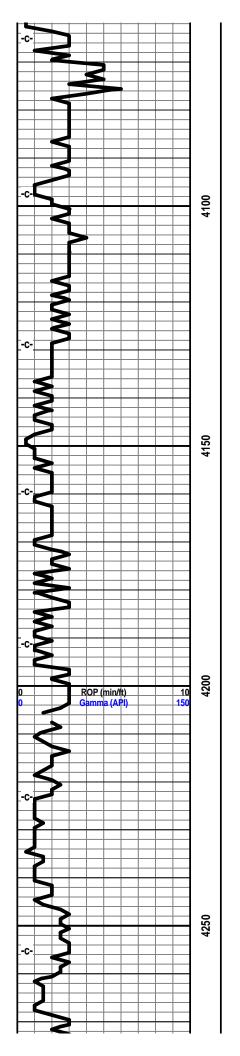
DSTs

No DST's Ran

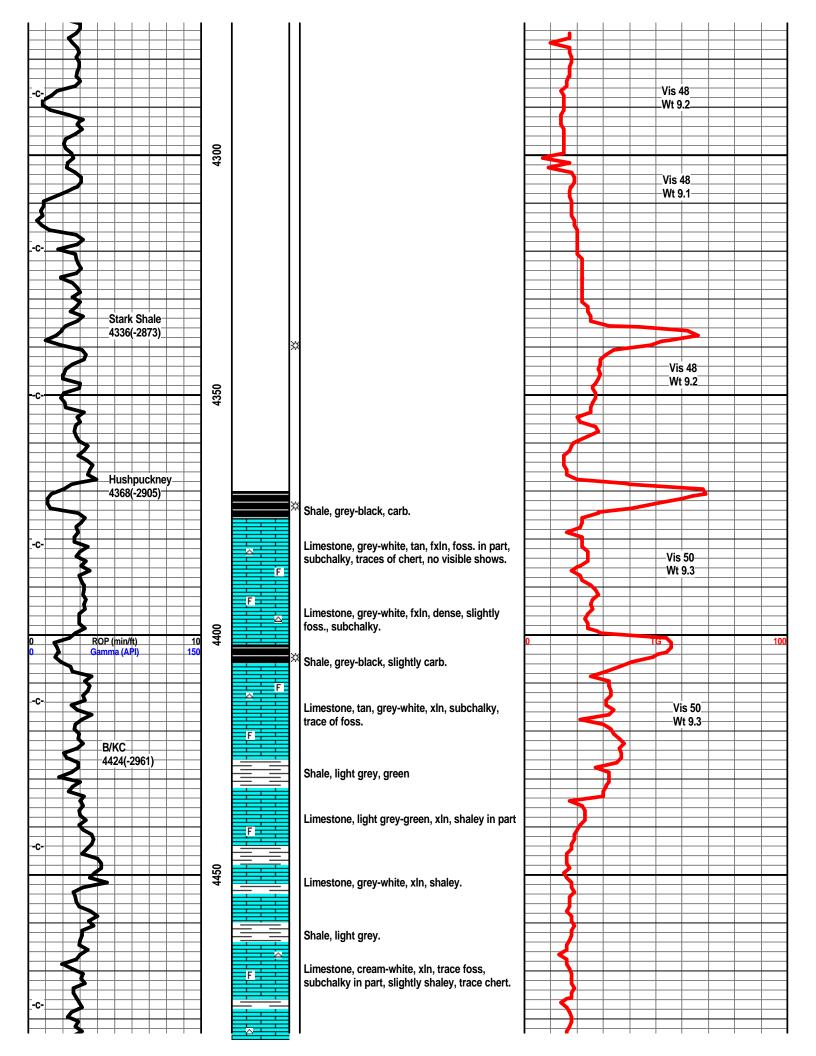
CREWS

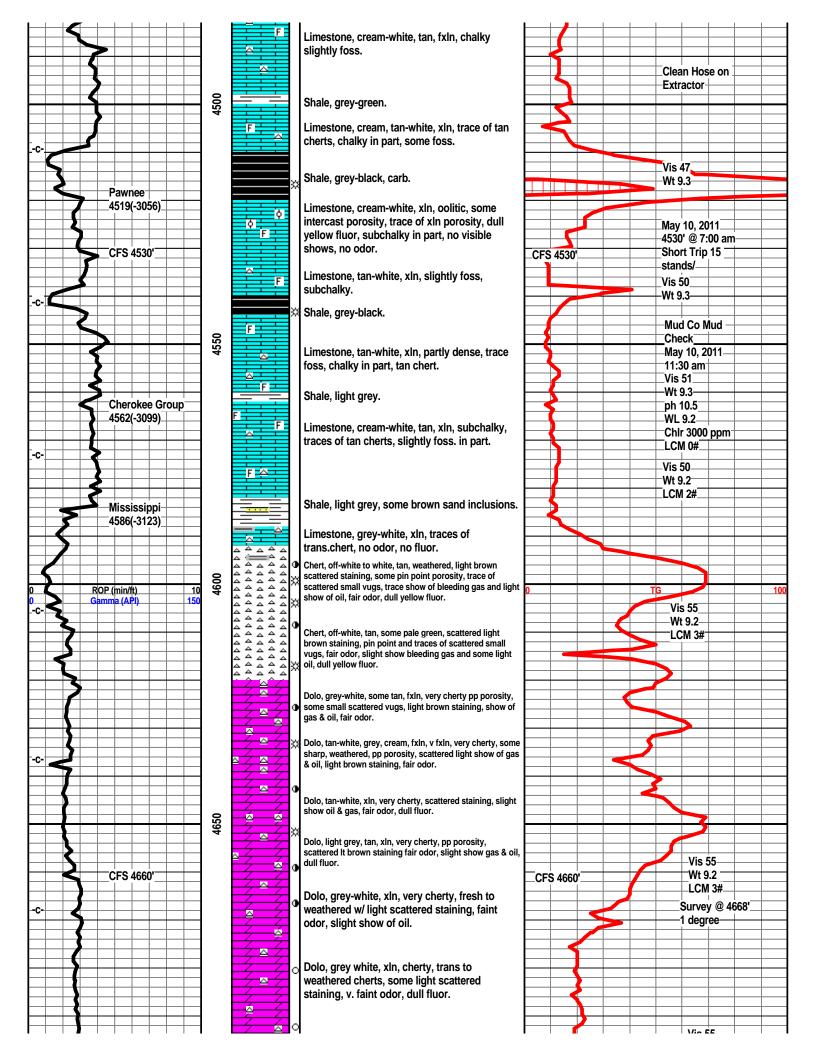
H2 Drilling Rig #3
Tool Pusher - Randy Smith
Drillers - Gary Axtell
Luis Marquez
Cain Charles

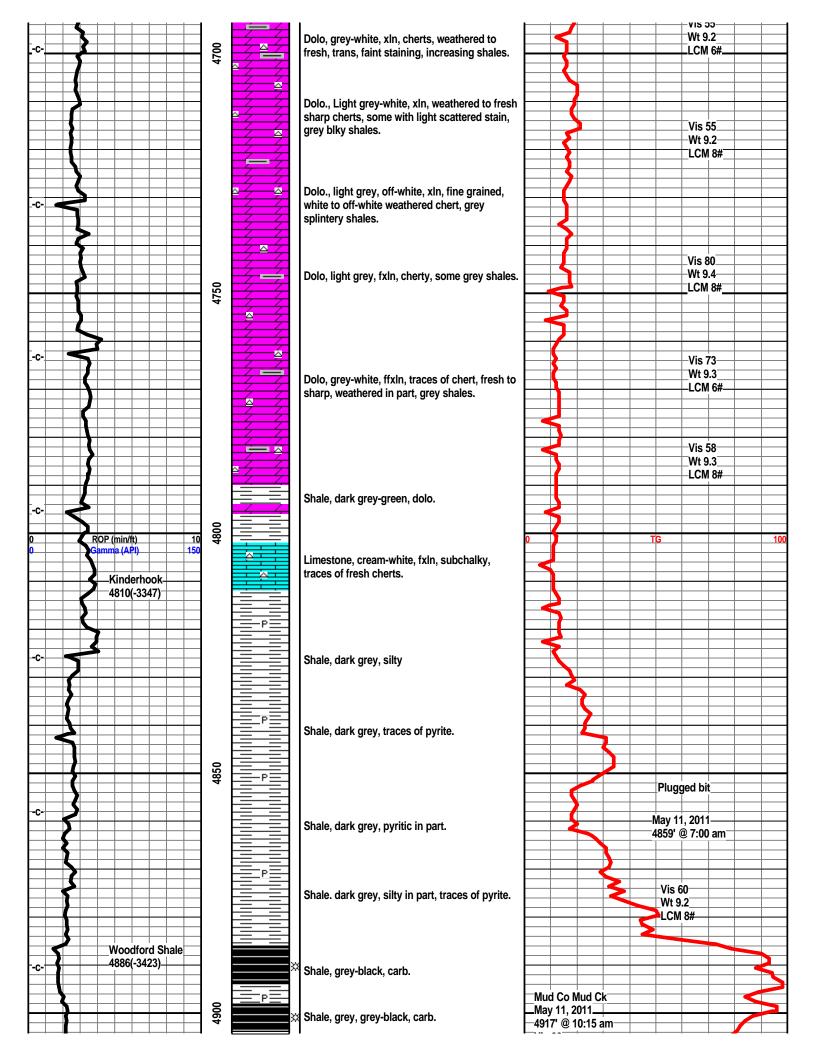


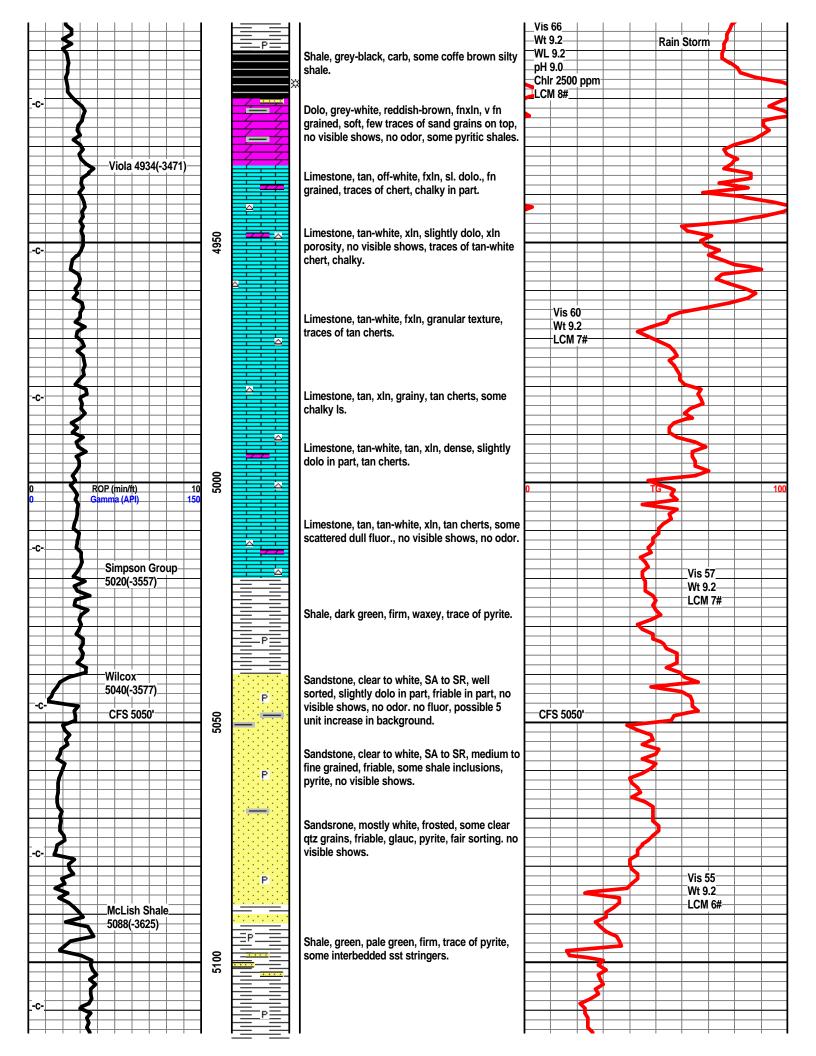


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			4065	ˈ @ 7:0	00 am		1
	-Mud Co	Mud —					
	Check		-				+
		7:50 am					
	-4000 ⊚ -May 9, 2						
	Vis 48_	.011					
	vis 40 -Wt 9.1—						+
	pH 10.0						-
	WL 12.8	+		<u> </u>			+
	Chl 600	0 ppm	Sur	ey 40	97'		
	LCM 0		3/4 c	degree			
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	Shale, green, wax	key, firm	5	Vis 57
RTD 5130'	Shale, green, was	n to green, firmRTD 51	130'	Wt 9.2 LCM 7#
LTD 5131'		_LTD 51	5131' S	urvey 1/2 degree
	96	May 5130' Logg	7 12, 2011 0' @ 7:00 am	
	5150		55	
	00			