

## 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
STARK SHALE	4395(-2970)	4394(-2969)
HUSHPUCKNEY SHALE	4426(-3001)	4426(-3001)
B/KC	4482(-3057)	4480(-3055)
PAWNEE	4566(-3141)	4566(-3141)
CHEROKEE GROUP	4616(-3191)	4616(-3191)
CHEROKEE SAND	4634(-3209)	4631(-3206)
MISSISSIPPIAN	4645(-3220)	4542(-3217)
KINDERHOOK SHALE	4874(-3449)	4879(-3454)
WOODFORD SHALE	4958(-3533)	4959(-3534)
MAQUOKETA	4992(-3575)	4992(-3575)
VIOLA	5012(-3587)	5007(-3582)
SIMPSON SHALE	5113(-3688)	5114(-3689)
SIMPSON SAND	5134(-3709)	5132(-3707)
MCLISH SHALE	5172(-3747)	5169(-3744)
RTD	5220(-3795)	, , , , , , , , , , , , , , , , , , ,
LTD	· · · ·	5222(-3797)
		. ,

COMMENTS Surface Casing: Set 5 joints 10 3/4" at 223' with 240 sxs Class A, 2% gel, 3% cc, plug down at 9:45 pm on August 1, 2011. Cement did Circulate. Production Casing: Ran 5 1/2" Casing. Deviation Surveys: 1- 225', 3/4 - 1229', 1 - 1700, 3/4 - 2201', 3/4 - 2700', 1/2 - 3202', 1 - 3673', 3/4 - 3929', 1 - 4014', 1 - 4114', 1/2 - 4808', 3/4 5096'.

Contractor Bit Record:

1-14 3/4" out at 225'. 2-77/8" out at 5096'. 3-77/8" out at 5220'.

Gas Detector: Woolsey Operating Company, Trailer #1 Mud System: Mud Co, Brad Bortz, Engineer DSTs: No DST's Taken Logged by Superior Well Services. LTD - 5222'

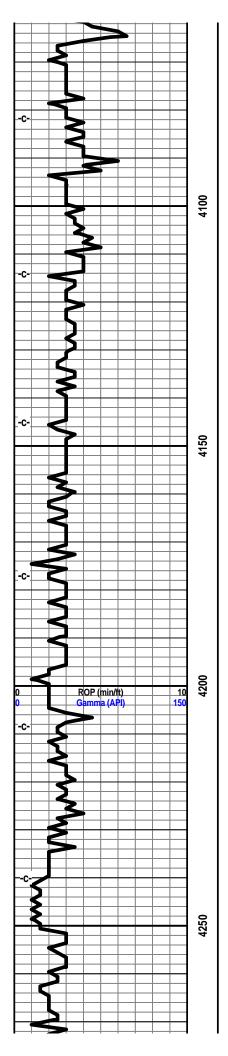
No DST's Taken on this test well.

H2 Drilling Rig #3 **Tool Pusher - Randy Smith Drillers - Gary Axtell** Luis Marquez Cesor Regaldo

DSTs

CREWS

Anhy Bent Const Anhy Bent Brec Addada Cht Clyst Coal	••••••••••••••••••••••••••••••••••••	o Salt Shale Stst	Black sh Gry sh Shale Shysitst Sitysh
MINERAL         ∅       Anhy         □       Arg         □       Bent         □       Bit         ☑       Brecfrag         □       Calc         □       Calc         □       Carb         ■       Chtdk         ☑       Dol         ●       Ferrpel         ▶       Ferr         ☑       Glau         ▷       Gyp         □       Nodule         ●       Phos         戶       Pyr         囲       Salt         ☑       Sandy         ☑       Silt	<ul> <li>Chlorite</li> <li>Dol</li> <li>Sand</li> <li>Slty</li> </ul> FOSSIL <ul> <li>Algae</li> <li>Algae</li> <li>Amph</li> <li>Belm</li> <li>Bioclst</li> <li>Brach</li> <li>Bryozoa</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>	ACCESSORIES	<ul> <li>Grysh Grysh Grysh Lms Sandylms</li> <li>Sh Ststn</li> <li>TEXTURE</li> <li>Boundst</li> <li>Chalky</li> <li>Chalky</li> <li>Chalky</li> <li>Cryxln</li> <li>Earthy</li> <li>Cryxln</li> <li>Earthy</li> <li>Finexln</li> <li>Grainst</li> <li>Lithogr</li> <li>Microxln</li> <li>Microxln</li> <li>Mudst</li> <li>Packst</li> <li>Wackest</li> </ul>
Curve Track 1 ROP (min/ft) Gamma (API)	Lithology	Geological Descriptions	TG, C1-C5         TG (units)         C1 (units)         C2 (units)         C3 (units)         C4 (units)         C5 (units)
0 ROP (min/ft) 10 0 Gamma (APt) 150 	August August August August August August August August	Progress 1, 2011 MIRT 2, 2011 300' @ 7:00 am 3, 2011 1810' @ 7:00 am 4, 2011 2795' @ 7:00 am 5, 2011 3625' @ 7:00 am 6, 2011 4185' @ 7:00 am 7, 2011 4690' @ 7:00 am 8, 2011 5058' @ 7:00 am 9, 2011 5220' @ 7:00 am	TG         100           Survey @ 4014'-         -           Idegree         -           Vis 48         -           Vis 46         -           Vis 46         -           Vis 46         -



			<u> </u>						
			<u> </u>						
					-Vis 4	16			
					Wt 9	.2			
					-LCM	3#			
					Vis 4	o			
					-Wt 9				
					LCM				
					Surv	ey @ 4	4114'-		
					1 deg	oree –	<u> </u>		
	<u> </u>	<u> </u>		<u> </u>		<u>קייי</u>			
	<u> </u>	<u> </u>	<u> </u>		<u> </u>				
					Vis 4	8			
					Wt 9.				
					LCM	J#			
							<u> </u>		
			<u> </u>		Vis 5	0			
			<u> </u>						
_					w tu	/11			
					Wt 9	/0 ວ#			
					LCM	2#			
					_Wt 9/ -LCM	2#			
					_Wt 9/ -LCM	2#			
					-LCM	2#	2044		
					-LCM -Augu	2# ust 6, 2			
					-LCM -Augu	2#			
					-LCM -Augu	2# ust 6, 2			
					-LCM -Augu	2# ust 6, 2			
					-LCM -Augu -4185	2# ust 6, 2 ' @ 7:0			
					-LCM -Augu 4185 Vis 4	2# Jst 6, 2 ' @ 7:(			
					-LCM -Augu -4185 -Vis 4 -Wt 9	2# ust 6, 2 ' @ 7:( 9 2			
					-LCM -Augu -4185 -Wt 9 -Wt 9	2# ust 6, 2 ' @ 7:( 9 2			
					-LCM -Augu -4185 -Vis 4 -Wt 9	2# ust 6, 2 ' @ 7:( 9 2			100
0					-LCM -Augu -4185 -Wt 9 -Wt 9	2# ust 6, 2 ' @ 7:( 9 2			100
0					-LCM -Augu -4185 -Wt 9 -Wt 9	2# ust 6, 2 ' @ 7:( 9 2			100
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:0 9 2 2#			
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:( 9 2			
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:0 9 2 2#			100
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:0 9 2 2#			100
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:0 9 2 2#			100
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# ust 6, 2 ' @ 7:0 9 2 2#			
0					-LCM -Augu -4185 -Vis 4 -Wt 9 -LCM G	2# Jist 6, 2 " @ 7:( 9  2# 1425'	00 am		100
0					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB	2# Jist 6, 2 "@ 7:( 9  2  2# 1425' 1425'	00 am		100
0					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB	2# Jist 6, 2 "@ 7:( 9  2  2# 1425' 1425'	00 am		
0					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB -KB	2# ust 6, 2 "@ 7:( 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am		
					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB -KB 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 1 2 2 2 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB -KB 	2# ust 6, 2 "@ 7:( 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am		
					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB -KB 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 1 2 2 2 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM -Augu 4185 -Vis 4 -Wt 9 -LCM G -KB - -KB - 	2# ust 6, 2 ' @ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 1 2 2 2 2 - 2 - 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am 		
					-LCM Augu 4185 Vis 4 -Wt 9 -LCM G -KB - 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 2 2 2 2 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM Augu 4185 Vis 4 -Wt 9 -LCM G -KB - 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 2 2 2 2 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM Augu 4185 Vis 4 -Wt 9 -LCM G -KB - 	2# ust 6, 2 ' @ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 1 2 2 2 2 - 2 - 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM Augu 4185 Vis 4 -Wt 9 -LCM G -KB - 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 2 2 2 2 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM Augu 4185 Vis 4 -Wt 9 -LCM G -KB - 	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 2 2 2 2 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 "@ 7:( 9 2 2# 2# 1425'- 1425'- 0 0 0 0 0 0 0 1 2 2 2 2 2 - 2 - 2 - 2 - 2 - - - - - - - - - - - - -	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		
					-LCM -Augu 4185 -Vis 4 -Wt 9. -LCM G -CCM -KB -CCM -CCM -CCM -CCM -CCM -CCM -CCM -CC	2# ust 6, 2 9 9 2 2# 1425'- 1425'- 0 0 0 0 0 0 0 0 0 0 0 0 0	00 am 00 am 00 am 2011- 4240'		

