

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

Measured Depth Log

Well Name: Miller #5 Location: W/2 W/2 NW

License Number: API: 15-007-23604-00-00 Region: Barber County, Kansas

Spud Date: October 22, 2010 Drilling Completed: November 1, 2010

Surface Coordinates: 1420' FNL, 330' FWL Section 31-Twp 34 South - Rge 11 West

Stranathan

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1370 K.B. Elevation (ft): 1379 Logged Interval (ft): 4100 To: 5300 Total Depth (ft): 5300

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	4469(-3090)	4468(-3089)
B/KC	4517(-3138)	4517(-3168)
PAWNEE	4616(-3237)	4616(-3237)
CHEROKEE GROUP	4663(-3284)	4662(-3283)
CHEROKEE SAND	4688(-3309)	4687(-3308)
MISSISSIPPIAN	4694(-3315)	4694(-3315)
COMPTON LIMESTONE	4922(-3543)	4924(-3545)
KINDERHOOK SHALE	4937(-3558)	4938(-3559)
WOODFORD SHALE	5016(-3637)	5016(-3637)
MISNER SAND	5043(-3664)	5043(-3664)
VIOLA	5048(-3669)	5048(-3669)
SIMPSON GROUP	5189(-3810)	5190(-3811)
SIMPSON WILCOX	5215(-3836)	5216(-3837)
MCLISH SHALE	5259(-3880)	5258(-3879)
MCLISH SAND	NDE	,
RTD	5300(-3921)	
LTD	,	5302(-3923)

COMMENTS

ECDMATION TODS

Surface Casing: Set 6 joints 10 3/4" at 233' with 230 sxs Class A, 2% gel, 3% cc, plug down at 11:55 pm on October 22, 2010. Cement did Circulate.

Production Casing: 4 1/2" casing set at

Deviation Surveys:240' 3/4, 1218 3/4, 1756' 1, 2266' 1 1/4, 2777 3/4, 3283' 1/2, 3761' 1, 4300 1 3/4, 4459' 3/4, 5002' 1 1/4, 5300' 1 3/4.

Contractor Bit Record: 1- 14 3/4" out at 240'.

2- 7 7/8" out at 5055'. 3- 7 7/8" out at 5300'.

Gas Detector: Woolsey Operating Company, Trailer #2

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: See DSt Results Below

DSTs

DST #1 4932 to 5055' Misener

Times 30-60-30-60

Intial Opening - Strong Blow GTS 3 min,, 1/2 to 1" blow back on shut in

2nd Opening - GTS Immediately, 1-4" blow back

IHP 2408 FHP 2366

IFP 522 to 594# FFP 567 to 663# ISIP 1807# FSIP 1809#

Recovery: 180' GCM/ w trace of oil, 17% g 83% m

230' SGCM 5%g 95% m

GTS 3 min

10 min 2,139 mcfpd

20 min 2,541 mcfpd

30 min 2,714 mcfpd

2nd opening

10 min 2,513 mcfpd

20 min 2,886 mcfpd

30 min 3,001 mcfpd

CREWS

H2 Drilling Rig #3
Tool Pusher - Randy Smith
Drillers - Mark Staats
Gary Axtell
Cesar Regalado

ROCK TYPES

























