

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

Well Name: Diel #D 4 Location: S2 NE NE NE

License Number: API: 15-007-23593-00-00 Region: Barber County, Kansas

Spud Date: September 14, 2010 Drilling Completed: September 24, 2010

Surface Coordinates: 500' FNL, 330' FEL Section 16-Twp 34 South - Rge 11 West

Field Schupach

Bottom Hole Vertical Hole

Coordinates:

Ground Elevation (ft): 1331' K.B. Elevation (ft): 1340' Logged Interval (ft): 2600 To: 5175 Total Depth (ft): 5175

Formation: McLish Sand

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

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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	4313(-2973)	4320(-2980)
B/KC	4365(-3025)	4370(-3030)
PAWNEE	4457(-3117)	4462(-3122)
CHEROKEE GROUP	4506(-3166)	4514(- 3174)
CHEROKEE SAND	4533(-3193)	4539(-3199)
MISSISSIPPIAN	4542(-3202)	4550(-3210)
COWLEY C2	4582(-3242)	4589(-3249)
COMPTON LIMESTONE	4743(-3403)	4744(-3404)
KINDERHOOK SHALE	4753(-3413)	4756(-3416)
WOODFORD SHALE	4835(-3495)	4840(-3500)
MAQUOKETA	4863(-3523)	4870(-3530)
VIOLA	4886(-3546)	4892(-3552)
SIMPSON GROUP	4981(-3641)	4983(-3643)
SIMPSON WILCOX	5006(-3666)	5006(-3666)
MCLISH SHALE	5049(-3709)	5053(-3713)
MCLISH SAND	5128(-3788)	5133(-3793)
RTD	5175(-3835)	
LTD		5182(-3842)

COMMENTS

Surface Casing: Set 6 joints 10 3/4" at 243' (tally 231') with 230 sxs Class A, 2% gel, 3% cc, plug down at 4:45 am on September 15, 2010. Cement did Circulate.

Production Casing: 5 1/2" Casing Ran, set at 4962' w/ 50 sks 60/40 poz, 130 sks Class H. 25 sks 60/40 poz in Rathole.

Deviation Surveys: 245-3/4, 742 1/2, 1253 1/4, 1759 1/4, 2268 1, 2588 3/4, 30923/4, 3600 1, 4045 3/4, 4600 3/4, 5175 1.

Pipe Strap @ 4045', Strap 4034.98 - 4033.46 (Board) = Strap long 1.52', no correction.

Contractor Bit Record: 1- 14 3/4" out at 245'

2- 7 7/8" PDC Smith out at 4045' 3 - 7 7/8" Smith F 27 out at 5175'

Gas Detector: GeoDynamics Well Logging, Unit 16

Mud System: Mud Co, Brad Bortz, Jason Witting, Engineers

DSTs: One DST, See DST Remarks

DSTs

DST #1 4475 to 4600' Mississippian Times 30-60-60-120

SB both openings, No GTS IHP 2347 FHP 2262 IFP 46-88 FFP 66-132 ISIP 1302 FSIP 1400

Recovery: 77' DM, 63' DM w/ few oil specks.

CREWS

H2 Drilling Rig #3
Tool Pusher - James Schultz
Drillers - Jose Ortiz
Guillermo Alarcon
Randon Smith
Jose Fabla
































