

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

Well Name: CIRCLE B-1

Location: Approx S2 NW NE SW

License Number: API: 15-007-23776-00-00 Region: Barber County, Kansas

Spud Date: October 19, 2011 Drilling Completed: , 2011

Surface Coordinates: 2040' FSL & 1650 FWL Section 33-Twp 33 South - Rge 10 West

Kochi Field

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1421 K.B. Elevation (ft): 1430

Logged Interval (ft): 3800 To: RTD Total Depth (ft):

Formation: McLish Shale

Type of Drilling Fluid: Chemical Mud, Displace at 3365'

Printed by MUD.LOG 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

LOG TOPS

STARK SHALE HUSHPUCKNEY SHALE B/KC PAWNEE CHEROKEE GROUP MISSISSIPPIAN KINDERHOOK SHALE WOODFORD SHALE VIOLA SIMPSON GROUP SIMPSON SAND MCLISH SHALE RTD	4297(-2867) 4332(-2902) 4378(-2948) 4476(-3046) 4527(-3097) 4578(-3148) 4798(-3368) 4874(-3444) 4897(-3467) 5017(-3587) 5021(-3591) 5075(-3645) 5116(-3686)
RTD LTD	5116(-3686)

SAMPLE TOPS

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 215' with 240 sxs Class A, 2% gel, 3% cc, plug down at 2:00 pm on October 19, 2011. Cement did Circulate.

Production Casing:

Deviation Surveys:3/4- 220', 3/4-726', 1/4-1224', 3/4-1695', 3/4-2228', 1/2-2732', 1/4-3232', 3/4-3794', 1/4-3920'. 2-4014', 1 1/4-4109', 3/4 - 4203', 2 1/4 - 4453', 1 3/4 - 4518', 1 1/4 - 4636',

Contractor Bit Record:

1- 14 3/4" out at 220'. 2- 7 7/8" out at 4453' 3- 7 7/8" out at 4934'. 4- 7 7/8" out at

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: Trilobite Testing

Logged by Superior Well Services

LTD -

DSTs

DST #1 4582 to 4636' Times 30-60-60-120 1st Opening, Strong Blow, BOB in 3 1/2 minutes.

2nd Opening, Strong Blow, BOB 3 minutes.

Recovery: 3050' GIP

IHP 2250#

155' OCWM(3% Oil, 27% W, 70% M)

125' OCWM(3% Oil, 45% W, 52% M)

370' MW w/ Oil Specks(92% W 8%M)

IFP 128-182# FFP 202-315# ISIP 1509# FSIP 1507#

DST #2 4916 to 4934 Times 30-60-30-120

FHP 2166#

1st Opening - Weak blow building to 5 1/2 inches

2nd Opening - Fair to Strong blow, BOB in 5 seconds.

Recovery: 1015' GIP, 35' GOCM (10% G, 10% O, 80% Mud)

IFP 23-24# FFP 21-28# ISIP 1437# FSIP 1740# IHP 2440# FHP 2366#

CREWS

H2 Drilling Rig #3
Tool Pusher - Randy Smith
Drillers - Gary Axtell
Luis Marquez
Cornelio Avalos

ROCK TYPES























