

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

Measured Depth Log

Well Name: BARTHOLOW GU #2 Location: APPROX NW SW NE

License Number: API: 15-007-24004-00-00 Region: Barber County, Kansas

Spud Date: April 1, 2013 Drilling Completed: April 10, 2013

Surface Coordinates: Section 33-T32S-R12W, 1650' FNL, 2210' FEL

Medicine Lodge-Boggs

**Bottom Hole Vertical Hole** 

Coordinates:

Ground Elevation (ft): 1607 K.B. Elevation (ft): 1619 Logged Interval (ft): 3000 To: RTD Total Depth (ft): 4900

Formation: Simpson

Type of Drilling Fluid: Chemical Mud, Displace at 3410'.

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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
KANWAKA	3519(-1900)	3519(-1900)
HEEBNER	3701(-2082)	3701(-2082)
SYNDERVILLE	3717(-2098)	3718(-2099)
BROWN LIME	3890(-2271)	3890(-2271)
LANSING	3896(-2277)	3896(-2277)
STARK SHALE	4277(-2658)	4277(-2658)
HUSHPUCKNEY SHALE	4310(-2691)	4310(-2691)
B/KC	4368(-2749)	4366(-2747)
MISSISSIPPIAN	4450(-2831)	4450(-2831)
KINDERHOOK SHALE	4614(-2995)	4614(-2995)
WOODFORD SHALE	4679(-3060)	4681(-3062)
VIOLA	4714(-3095)	4715(-3096)
SIMPSON SHALE	4819(-3200)	4821(-3202)
SIMPSON SAND	4834(-3215)	4834(-3215)
RTD	4900(-3281)	,
LTD	, ,	4901(-3281)

## **COMMENTS**

Surface Casing: Set 5 joints 10 3/4" at 217' with 240 sxs Class A, 2% gel, 3% cc, plug down at 9:00 pm on

April 1, 2013. Cement did Circulate. Production Casing: Ran 4 1/2" Casing

Deviation Surveys:1 - 218', 3/4- 1127', 3/4 - 1634', 3/4 - 2140', Missrun at 2679', 3/4 - 2679', 1/4 - 3329', 3/4 - 3736',

1 3/4 - 4233', 1 1/4 - 4297', 1/4 - 4500', 1-4900'.

**Contractor Bit Record:** 

1- 14 3/4" out at 218'.

2- 7 7/8" out at 4500'.

3- 7 7/8" out at 4742'.

4 -7 7/8" out at 4900'.

Pipe Strap at 3736'

Board 3759.65'

Strap 3760.23'

Strap Short .58'

**Gas Detector: Woolsey Operating Company, Trailer #1** 

Mud System: Mud Co, Brad Bortz, Engineer DSTs: Trilobite Testing, Gary Pevoteaux

**Logged by Nabors Completion and Production Services** 

LTD - 4901'.

**DSTs** 

DST #1 Synderville, Times 30-60-60-90

1st Opening - Tool Slid 13', Strong Blow, BOB 30 Seconds, GTS 14 Minutes, No Blow Back

2nd Opening - Strong Blow, BOB immediately, No Blow Back

Recovery: 50' GCM(4% G, 96%M), 61' GOCWM(22%G, 6% O, 14% W, 58% M), 122' GOCMW(22% G, 13% O, 36% W, 29% M)

GTS 14 Min 1st opening 20 min 71 MCFPD

30 min 89 MCFPD

2nd Opening 10 min 115 MCFPD

20 min 137 MCFPD 30 min 152 MCFPD 40 min 163 MCFPD 50 min 166 MCFPD 60 min 170 MCFPD

IFP 230-78# - Plugging FFP 54-110#

ISIP 1329# FSIP 1324# IHP 1765# FHP 1731#

Temp 10, Chlorides 87,000 ppm

DST #2 4442 to 4500' Mississippi Times 30-60-60-120

1st Opening, Strong Blow BOB 1 Minute, GTS 30 Minutes, no blow back

2nd Opening, Strong Blow GTS, See Gauge, 1/2" - 2" blow back

Recovery: Gas Gauge - 2nd opening: 10 minutes 26 MCFPD

20 minutes 24.4 MCFPD

30 minutes 24.4 MCFPD

40 minutes 24.4 MCFPD 50 minutes 24.4 MCFPD

60 minutes 23.6 MCFPD

415' Total Fluid

105' GOCM (18% Gas, 17% Oil, 65%Mud)

188' GM&WCO (56% Gas, 24% Oil, 14% Water, 6% Mud)

122' GM&WCO (24% Gas, 48% Oil, 22% Water, 6% Mud)

IHP 2161# FHP 2124#

IFP 65-105# FFP 113-149#

ISIP 1439# FSIP 1371# (Both Still Building)

Chlorides 60,000 ppm, Temp 124 degrees

DST #3 4714 to 4742 Viola, Times 30-60-60-120

1st Opening, Strong Blow, BOB 2 1/2 min, no blow back

2nd Opening, Strong Blow, BOB 2-3 seconds, no blow back

Recovery: 1700' GIP, 40' GCM(12% G, 88% M) Trace Oil

IHP 2345# FHP 2320#

IFP 17-21# FFP 13-20#

ISIP 968# FSIP 1358# Both still building

**Temp 124** 

### **CREWS**

Fossil Drilling, Inc Rig #3
Tool Pusher - Craig Eubank
Drillers - Days - Daniel Orranta

**Evening - Kerry Clark - Jim Wenrich** 

**Morning - Andres Maestas** 



















