### **MUD LOG**

# **WellSight Systems**

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Waugh A #1

Location: Sec. 7-T15S-R12E Wabunsee County, KS

License Number: 15-197-20293-0000 Region: Wildcat

Spud Date: October 17, 2011 Drilling Completed: October 26, 2011

Surface Coordinates: 1230' FSL & 2570' FEL

**Bottom Hole** 

**Coordinates:** 

Ground Elevation (ft): 1319' K.B. Elevation (ft): 1327' Logged Interval (ft): 2250' To: 3144' Total Depth (ft): 3144'

Formation: Arbuckle

Type of Drilling Fluid: Chemical/Polymer/Gel

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

#### **OPERATOR**

Company: John O. Farmer, Inc.

Address: P.O. Box 352

**Russel, KS 67665** 

#### **GEOLOGIST**

Name: Theodore Pfau

Company:

Address: 951 Arkansas, Apt. M4

Lawrence, KS 66044

# John O. Farmer Inc.

## DAILY DRILLING REPORT

Company: John O. Farmer Inc. Well: Waugh A #1

P.O. Box 352 Location: 1230' FSL & 2570' FEL

Russel, KS 67665 Sec. 7-15S-12E Wabunsee County

John O. Farmer IV off. 785-483-3144 cell 785-483-9204

Matt Dreiling off. 785-483-3144 cell 785-483-7835 Elevation: 1327' KB 1319' GL

Field: Wildcat

Geologist: Ted Pfau cell 913-461-3006 API: 15-197-20293-00-00

Surface Casing: set 305' KB

Drilling Contractor: Gulick Drilling, Inc. Toolpusher: Mike Stafford 620-583-2978

Rig #1 620-583-0225

Date	7:00 AM DEPTH	REMARKS FROM LAST 24 HOURS
10/22/2011	2331	Geologist Ted Pfau on location @ 0630 hrs, 2320'
		Drilling ahead through Mississippian
10/23/2011	2625	Drilling ahead through Mississippian
10/24/2011	2905	Reached Kinderhook at 2660' @ 1200 hrs, reached Hunton
		2797', fair oil show, reached Maqueoketa 2840'
10/25/2011	3023	Reached Viola at 2903' @ 0645 hrs, very good show,
		TOOH and conduct DST #1, successful DST, resume drilling
		Viola @ 2200 hrs
10/26/2011	3144	Reached Simpson dolomite 3009' and Simpson sand 3030'
		Good show, warrants DST, TOOH for DST #2, complete DST #2,
		test successful, rathole ahead to Arbuckle for logs, reached
		Arbuckle at 3084', TD at 3144', TOOH for logs, pipe to be run on
		Viola, geologist released 1330 hrs

	1327	Waug 1230' FSL 8	G WELL h A #1 & 2570' FEL L5S-12E	S	1397	Wheat F 110' FNL 8	SON WELL farm A#1 & 2310' FEL 15S-11E Relatio	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Mississippian	2314	-987	2316	-989	2388	-991	4	2
Kinderhook	2660	-1333	2656	-1329	2769	-1372	39	43
Hunton	2797	-1470	2794	-1467	2909	-1512	42	45
Maquoketa	2840	-1513	2834	-1507	2962	-1565	52	58
Viola	2903	-1576	2900	-1573	3028	-1631	55	58
Simpson Dolo	3009	-1682	3006	-1679	3131	-1734	52	55
Simpson Sand	3030	-1703	3023	-1696	3148	-1751	48	55
Arbuckle	3084	-1757	3075	-1748	3197	-1800	43	52
TD	3144	-1817	3140	-1813	3232	-1835	18	22



## DRILL STEM TEST REPORT

JOF

370 W. Wichita Ave. PO Box 352 Russell, Ks 67665 ATTN: Ted Plau 7-15-12 Wabaunsee, Ks

Waugh A #1

Job Ticket: 45170 DST#:1
Test Start: 2011.10.24 @ 13:33:17

#### GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:04:17

Time Test Ended: 20:11:17

Interval: 2895.00 ft (KB) To 2915.00 ft (KB) (TVD)

Total Depth: 2915.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (hitial)

Tester: Brian Fairbank

Unit No: 41

Reference Bevations: 1327.00 ft (KB)

1319.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 107.87 psig @ 2897.00 ft (KB) Capacity: 8000.00 psig

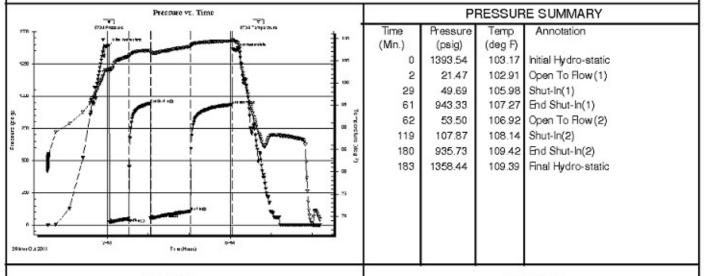
 Start Date:
 2011.10.24
 End Date:
 2011.10.24
 Last Calib.:
 2011.10.24

 Start Time:
 13:33:18
 End Time:
 20:11:17
 Time On Btm:
 20:11.10.24 @ 15:02:47

 Time Off Btm:
 20:11.10.24 @ 18:05:47

TEST COMMENT: IFP - weak blow throughout 1/4" - 3"

ISI - no blow back FFP - no blow 5 min - 3" FSI - no blow back



#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM5%O,95%M	0.42
155.00	FREEOIL 95%O, 5%M	2.17

#### Gas Rates

Chole (inches)	Pressure (psig)	Gas Rate (Mc1/d)

Trilobite Testing, Inc Ref. No: 45170 Printed: 2011.10.24 @ 22:19:18



## DRILL STEM TEST REPORT

JOF

370 W. Wichita Ave. PO Box 352 Russell, Ks 67665 ATTN: Ted Plau 7-15-12 Wabaunsee, Ks

Waugh A #1

Job Ticket: 45171 DST#:2

Test Start: 2011.10.25 @ 12:01:48

## GENERAL INFORMATION:

Formation: Simpson Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 13:53:18

Tester: Brian Fairbank
Time Test Ended: 18:34:18

Unit No: 41

i Ended. 16.34.16 Unit No.

Interval: 3013.00 ft (KB) To 3038.00 ft (KB) (TV D) Reference Bevations: 1327.00 ft (KB)

3038.00 ft (KB) (TVD) 1319.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GP/CF: 8.00 ft

Serial #: 8734 Outside

Total Depth:

Press@RunDepth: 767.99 psig @ 3020.00 ft (KB) Capacity: 8000.00 psig

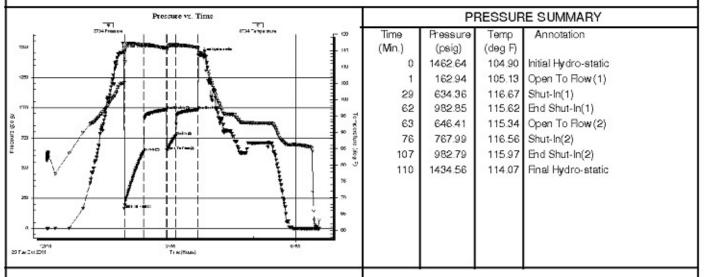
 Start Date:
 2011.10.25
 End Date:
 2011.10.25
 Last Calib.:
 2011.10.25

 Start Time:
 12:01:49
 End Time:
 18:34:18
 Time On Btm:
 2011.10.25 @ 13:52:18

 Time Off Btm:
 2011.10.25 @ 15:42:18

TEST COMMENT: IFP - BOB 1 min

ISI - no blow back FFP - BOB 1 min FSI - no blow back



#### Recovery

Length (ft)	Description	Volume (bbl)
380.00	MW 90%W, 10%M	1.88
1030.00	REVERSED OUT	14.45
250.00	W & OCM 20%W, 20%O, 60%M	3.51
30.00	MOO 70%O, 30%M	0.42
* Recovery from r	multiple tests	

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Motid)

Trilobite Testing, hc Pef. No: 45171 Printed: 2011.10.26 @ 08:13:40

