## MUD LOG

# **WellSight Systems**

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

Well Name: Osborne #2B

Location: Aprox. E/2 NW NE SE

License Number: KCC #5614

Spud Date: 04/07/13

Surface Coordinates: 2293' FSL & 894' FEL

Region: Mid-Continent-USA

Drilling Completed: 04/12/13

Bottom Hole Same as Surface Corrdinates.

Coordinates:

Ground Elevation (ft): 1812'

Logged Interval (ft): 2700'

K.B. Elevation (ft): 1823'

To: 3520'

Total Depth (ft): 3520'

Formation: Arbuckle at Total Depth

Type of Drilling Fluid: Andy's Mud (Chemical Drispac)

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

#### **OPERATOR**

Company: Hutchinson Oil Company

Address: P.O. Box #521

Derby, KS

## **GEOLOGIST**

Name: Jeffrey A. Burk

Company: PETERRA Energy Services

Address: 110 South Main, Suite #510

Wichita, KS 67202 (316) 269-2015 Office

#### Daily Report

04/06/13 MIRU and spudded the well @ 10:30 pm.

04/07/13 Set 8 5/8" (23#) casing @ 604' KB w/ 350 sxs.

of common/A Con cement. Cement did circulate.

04/08/13 Drilling @ 1535' @ 9:00 am.

04/09/13 Drilling @ 2544' @ 9:00 am.

04/10/13 CFS @ 3235' @ 7:00 am. Ran DST #1(3194'-3235')

covering the Lansing "B, "D"zones.

04/11/13 Drilled and circulated the "F", "H", "I", "J" zones.

Drilling ahead @ 3370' @ 2:30 pm.

04/12/13 Drilled to RTD of 3520' (LTD 3522'). Ran CDL/CNL,

DIL, MEL, and SONIC logs. LDDP and prepared

to run casing.

04/13/13 Ran 84 jts. of new 5 1/2" (14#) casing, tallied @

(3520.72'), and set it @ 3521' (1' off LTD bottom). Ran an auto fill-up guide shoe, latch down baffle, and (6) turbolizers. We then cemented the well with 100 sxs. of AA2 cement (5#/sx gils, 10% salt,

.5% FL, .3% FR, 1/4#/sx cellflake, .2% defoamer). and landed the plug @ 2:15 am by Basic Services.

### **DSTs**

DST #1 (3194'-3235') Lansing "B" & "D" zones

OP 30" - 45" - 60" - 45"

1st open: Good blow, BOB in 5 1/2 minutes

1st shut in: weak surface blow 2nd open: Strong blow, BOB 30 sec.

2nd shut in: no blow back

**REC: 1640' GIP** 

40' GOCM (5% G, 10% O, 85% M) 120' GOCM (30% G, 30% O, 40% M)

20' CGO

IHP: 1545# IFP: 19#-51# ISIP: 744# FFP: 45#-85# FSIP: 717# FHP: 1528#

BHT: 101 degrees

#### Comments

This well ran, structurally, one to two feet (1'-2') low through the Lansing Kansas City Group to the Osborne #1. Live shows were tested in the Lansing "B" & "D" zones, and those zones are considered commercial. Live shows were also noted in the Lansing "F", "G", and the "I" zones. The "F" & "I" zones were not tested because they are currently open in the Osborne #1. The "G" zone should also be checked and perforated prior to abandonment. Once the "clean" Arbuckle was encountered, the Arbuckle was deemed to low to produce.

As a result of the positive results recovered on DST #1, it was decided to set casing and further test the potential in the Lansing "B", "D", "F", "G", and "I" zones.

Respectfully submitted,

Jeffrey A. Burk











