

MORNING DRILLING REPORT

Sterling Drilling Company, Rig #4

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Wellsite Geologist:

Zach Wiele

Toolpusher - Lanny Saloga		IN USE		
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of Pages 1 Fax# 316-636-2741

WELL NAME **Thomas & Reed Farms A' #1-21**

LOCATION **NE NW**

SEC 21 TWP 29s RNG 28w CO Gray

McCoy Petroleum Corporation
9342 E. Central,

Wichita, Kansas 67206

ELEVATION **G.L. 2728 K.B. 2739 AP# 15-069--21499-00-00**

Central Kansas Survey staked location February 16, 2017. W & L called Digsafe prior to beginning dirt work. Max's Water Svc is hauling water from Montezuma. Using steel working pit. **Sterling made spud call to KCC (Mike Maier) on 03/07/17.**

Day 1 **Date: 03/08/17** **Wednesday**

Moving off the Reed Trust at 7 am. Plan to spud this evening.

Day 2 **Date: 03/09/17** **Thursday** **Spud at 5:30 pm on 03/08/17**

Drilling with 12-1/4" bit at 890' at 7am. Drilled 890' in 24 hours.

Ran 8.50 hours, down 15.50 hours - (9.00 Move/Rig up, 1.50 Mix mud, 2.00 Set rathole/mousehole, .50 Rig check, 2.50 Connections).

Mud Properties: Wt. 9.9, Vls 40, LCM 3#: WOB 25,000, RPM 140, Pump PSI 580, SPM 60.

Surface Bit "A": New JZ 12-1/4" JZ HAOOTC, SN#L10604, (4-16's), made 890' in 8.50 hour **105 ROP**

Day 3 **Date: 03/10/17** **Friday** **Glorietta Sand (1149' - 1274').** **Survey at 1695' = 3/4 Degree**

WOC at 1695' at 7am. Drilled 805' in 24 hours.

Ran 9.00 hours, down 15.00 hours - (.50 Rig check, 1.75 Connections, 2.25 Wiper trip 26 stds) .25 Survey, 2.00 CTCH at 1695', 1.50 Trip out, 4.00 Run/Cement 8-5/8" c.

2.75 WOC).

Mud Properties: Wt. 9.6, Vls 36, LCM 2#, WOB 25-30,000, RPM 150, Pump PSI 650, SPM 60.

Surface Bit "A": New JZ 12-1/4" JZ HAOOTC, SN#L10604, (4-16's), made 1695' in 17.50 hours. **97 ROP**

Mud Cost: \$2,629

Surface Casings:

Spud at 5:30 pm on 03/08/17. Drilled 12-1/4" to 1695'. Ran 41 joints of new 24#, 8-5/8" casing. Tailed 1677.70' with 1' GS. Set at 1690' KB. Welded straps on bottom 3 joints, tacked 4 top collars. Centralizers (3) 1.3.5.

Float insert in top of collar. SJ = 22.89'. Basket on top of #16 (1080'). Cemented with 500 sks AMD Lite with: 3% cc, 1/2# FS & tailed with 200 sks Class A with 2% CC & 1/4# FS. Cement did circulate to pits.

Plug down at 4:20 am on 03/10/17. BJ Services Cementing ticket #LIB1703100420.

Day 4 **Date: 03/11/17** **Saturday**

Drilling at 2700' at 7am. Drilled 1005' in 24 hours.

Ran 10.50 hours, down 13.50 hours - (7.25 WOC, .50 Rig check, 2.75 Connections, .50 Repairs, .75 Drill plug, 1.75 Bit trip).

Mud Properties: Wt. 9.6, Vls. 32, LCM 2#; WOB 14K, RPM 95, Pump PSI 740, SPM 60.

Bit No. 1: RR STC 7-7/8" FDS, SN#TS3321, (1-18, 2-16's), in at 1695', out at 1777', made 82' in 1.25 hours.

Bit No. 2: New 7-7/8" JZ 516, #S09531, (2-16's, 3-15's), in at 1777', made 923' in 9.25 hours. **96** = Last 24<ROP>7-7/8"

96 Mud Cost: \$2,629

Anhydrite (1685' - 1706').

Tooth bit for cement plug plus 82'. PDC bit in at 1777'