

API #42-003-45674
Discovery Operating, Inc.
University 11A #10
2270' FNL & 1150' FEL
Section 10, Block 11, ULS
A-U330
Ground Elevation: 3319'
Andrews County, Texas

October 29, 2013 - Tuesday

Day 1

Depth: 950' (950') – Drlg Sand Redbed @ 91 fph

Mud Data: Wt: 9.1 Vis: 38 pH: 9.0

Bit Data: #1 – 12 ¼" Z05 (SN 4464) in @ 0' (made 950' in 10 hrs)

BHA: bit, bit sub, 2- 8" DC's, XO, 18- 6" DC's = 608.89'

Deviation Survey: ¾° @ 240', 1 ½° @ 737'

RPM: 100-120 SPM: 58 PP: 1100 WOB: 10-45K

Materials: 8 sx lime, 11 sx paper, 70 sx FW gel

Time Distribution: 8 hrs move in & RU, 2 hrs weld on pipe, 2 hrs mix spud mud, 3 hrs drlg, ½ hr survey, 4 ½ hrs drlg, 1 hr unload DP, 1 hr drlg, ½ hr survey, 1 ½ hrs drlg

Miscellaneous: Spud well @ 6:00 PM on 10/28/13.

Daily Cost: \$81,100

October 30, 2013 - Wednesday

Day 2

Depth: 1504' (554') – Cmt csg

Mud Data: Wt: 9.8 Vis: 38 pH: 9.0

Bit Data: #1 – 12 ¼" Z05 (SN 4464) in @ 0', out @ 1504' (made 1504' in 21 ¾ hrs)

BHA: bit, bit sub, 2- 8" DC's, XO, 18- 6" DC's = 608.89'

Deviation Survey: 1 ¾° @ 1216', 2° @ 1469'

RPM: 100 SPM: 58 PP: 1200 WOB: 45-50K

Materials: 6 sx paper, 20 sx FW gel, 18 sx starch, 4 gals MF-55

Time Distribution: 6 ½ hrs drlg, ½ hr survey, 5 ¼ hrs drlg, ¾ hr circ, 4 hrs survey & TOH for csg, 1 hr RU csg crew & LD truck, 4 hrs run 8 ⅝" surface csg, 1 hr circ csg, 1 hr cmt

Miscellaneous: Run 37 jts of 8 ⅝" surface csg & set @ 1504'. Cement w/ 450 sx Econocem HLTRRC + 200 sx Halcem C.

Daily Cost: \$66,700

Cum: \$147,800

October 31, 2013 - Thursday

Day 3

Depth: 2040' (536') – Drlg Anhy Salt @ 56 fph

Mud Data: Wt: 9.9 Vis: 29 pH: 10.0

Bit Data: #2 – 7 ⅞" Ult U616S (SN 21197) in @ 1504' (made 536' in 9 ½ hrs)

BHA: bit, bit sub, 6 ½" DC, IBS, 6 ½" DC, IBS, 16- 6 ½" DC's = 562.19'

Deviation Survey: 2 ¾° @ 1935'

RPM: 75-85 SPM: 58 PP: 800 WOB: 10-15K

Materials: 25 sx lime, 10 gals MF-55, 5 gals C202

Time Distribution: 1 ½ hrs finish cmt csg, 4 hrs WOC, 1 ½ hrs weld on csg head, 2 ½ hrs NU BOP, ½ hr test BOP to 500#, 2 ½ hrs PU BHA & TIH, ½ hr test BOP to 500#, 1 hr drlg cmt & plug, 8 ½ hrs drlg, ½ hr survey, 1 hr drlg

Miscellaneous: Circulated 244 sx to surface. Bump plug @ 7:30 AM on 10/30/13.

Daily Cost: \$15,700

Cum: \$163,500

November 1, 2013 - Friday

Day 4

Depth: 3165' (1125') – Drlg Anhy Salt @ 51 fph

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 1661' in 31 1/2 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 2° @ 2190', 2° @ 2474', 2° @ 2733', 2° @ 2957'

RPM: 80 SPM: 58 PP: 975 WOB: 20K

Materials: 27 sx lime, 7 sx paper, 9 gals MF-55, 15 gals C202

Time Distribution: 4 hrs drlg, 1/2 hr survey, 5 hrs drlg, 1/2 hr survey, 2 1/2 hrs drlg, 1/2 hr survey, 6 hrs drlg, 1/2 hr survey, 4 1/2 hrs drlg

Daily Cost: \$32,100

Cum: \$195,600

November 2, 2013 - Saturday

Day 5

Depth: 4051' (886') – Drlg Anhy @ 39 fph

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 2547' in 54 1/2 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 1 1/2° @ 3244', 1 1/4° @ 3727'

RPM: 80 SPM: 58 PP: 975 WOB: 27K

Materials: 15 sx lime, 8 sx paper, 9 gals MF-55, 20 gals C202

Time Distribution: 2 1/2 hrs drlg, 1/2 hr survey, 12 hrs drlg, 1/2 hr survey, 8 1/2 hrs drlg

Daily Cost: \$25,400

Cum: \$221,000

November 3, 2013 - Sunday

Day 6

Depth: 4913' (862') – Drlg Dolo @ 37 fph

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 3409' in 77 1/2 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 1 3/4° @ 4202', 1 1/4° @ 4681'

RPM: 80 SPM: 58 PP: 1025 WOB: 27K

Materials: 19 sx lime, 10 sx paper, 7 gals MF-55, 15 gals C202

Time Distribution: 6 hrs drlg, 1/2 hr survey, 12 1/2 hrs drlg, 1/2 hr survey, 4 1/2 hrs drlg

Daily Cost: \$25,100

Cum: \$246,100

November 4, 2013 - Monday

Day 7

Depth: 5824' (911') – Drlg Dolo @ 40 fph

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 4320' in 100 1/2 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 1 1/2° @ 5160', 1 1/2° @ 5638'

RPM: 80 SPM: 58 PP: 1150 WOB: 27K

Materials: 21 sx lime, 10 sx paper, 5 gals MF-55, 15 gals C202

Time Distribution: 7 hrs drlg, 1/2 hr survey, 13 hrs drlg, 1/2 hr survey, 3 hrs drlg

Daily Cost: \$26,400

Cum: \$272,500

November 5, 2013 - Tuesday

Day 8

Depth: 6541' (717') – Drlg Dolo @ 30 fph

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 5037' in 124 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 1 1/4° @ 6085'

RPM: 80 SPM: 58 PP: 1175 WOB: 27K

Materials: 28 sx lime, 8 sx paper, 8 gals MF-55, 20 gals C202

Time Distribution: 10 1/2 hrs drlg, 1/2 hr survey, 13 hrs drlg

Daily Cost: \$21,000

Cum: \$293,500

November 6, 2013 - Wednesday

Day 9

Depth: 7020' (479') – TIH

Mud Data: Wt: 10 Vis: 29 pH: 10.0

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504' (made 5516' in 141 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 3/4 ° @ 6564'

RPM: 75 SPM: 58 PP: 1175 WOB: 27K

Materials: 5 sx lime, 5 sx paper, 3 gals MF-55, 15 gals C202

Time Distribution: 2 hrs drlg, 1/2 hr survey, 15 hrs drlg, 6 1/2 hrs pump softline, TIH in bottom 83rd std slip area

Daily Cost: \$14,100

Cum: \$307,600

November 7, 2013 - Thursday

Day 10

Depth: 7387' (367') – TOH for bit

Mud Data: Wt: 10.2 Vis: 31 WL: 20 pH: 9.5

Bit Data: #2 – 7 7/8" Ult U616S (SN 21197) in @ 1504', out @ 7387' (made 5883' in 160 1/2 hrs)

BHA: bit, bit sub, 6 1/2" DC, IBS, 6 1/2" DC, IBS, 16- 6 1/2" DC's = 562.19'

Deviation Survey: 1 ° @ 7043'

RPM: 70-75 SPM: 58 PP: 1200 WOB: 28K

Materials: 14 sx lime, 6 sx paper, 18 sx soda ash, 113 sx starch, 272 sx SW gel, 8 gals MF-55, 20 gals C202, 25 gals MVGA

Time Distribution: 2 1/2 hrs TIH, 1/2 hr wash 75' to bottom, 2 1/2 hrs drlg, 1/2 hr survey, 17 hrs drlg, 1 hr TOH for bit

Daily Cost: \$13,400

Cum: \$321,000

November 8, 2013 - Friday

Day 11

Depth: 7518' (131') – Wash to bottom

Mud Data: Wt: 10.0 Vis: 36 WL: 10 pH: 10.0 FC: 1/32

Bit Data: #3 – 7 7/8" Ult U616M (SN 19597) in @ 7387' (made 131' in 6 hrs)

BHA: bit, bit sub, 18- 6 1/2" DC's = 549.50'

Deviation Survey: None

RPM: 70-75 SPM: 58 PP: 1250 WOB: 28K

Materials: 5 gals MVGA

Time Distribution: 4 hrs TOH for bit, 4 1/2 hrs TIH, 1/2 hr wash & ream 70' to bottom, 6 hrs drlg, 1/2 hr pump softline, 4 hrs TOH for hole, tight 1st 170', 1/2 hr PU kelly, pump thru bit, 2 1/2 hrs TIH, 1 1/2 hrs wash & ream 170' to bottom

Daily Cost: \$4,000

Cum: \$325,000

November 9, 2013 - Saturday

Day 12

Depth: 7725' (207') – TOH for Logs

Mud Data: Wt: 10.1 Vis: 42 WL: 3 pH: 10.0 FC: 2/32

Bit Data: #3 – 7 7/8" Ult U616M (SN 19597) in @ 7387', out @ 7725' (made 338' in 16 1/2 hrs)

BHA: bit, bit sub, 18- 6 1/2" DC's = 549.50'

Deviation Survey: 1 1/4 ° @ 7541'

RPM: 70-75 SPM: 58 PP: 1250 WOB: 28K

Materials: 4 sx paper, 3 gals MVGA, 20 sx starch, 115 sx SW gel, 10 sx LCM

Time Distribution: 3 hrs drlg, 3 hrs work tight spot @ 7582'; condition mud, 1 1/2 hrs drlg, 1/2 hr survey, 6 hrs drlg, 2 hrs survey

2 1/2 hrs short trip 20 stds, (tight spot @ 7515'), 2 hrs circulate, 3 1/2 hrs TOH for logs

Daily Cost: \$7,500

Cum: \$332,500

November 10, 2013 - Sunday

Day 13

Depth: Run 4 ½" csg

Mud Data: Wt: 10.1 Vis: 42 WL: 3 pH: 10.0 FC: 2/32

Deviation Survey: 1° @ 750'

RPM: SPM: 58 PP: 1250 WOB:

Materials: None

Time Distribution: 1 hr TOH for logs, 6 hrs log well, 4 ½ hrs TIH, 1 hr circ & RU laydown truck, ½ hr survey, 7 hrs laydown DP & DC's, 4 hrs run 4 ½" csg

Daily Cost: \$200

Cum: \$332,700

November 11, 2013 - Monday

Day 14

Total Depth: 7725'

Time Distribution: 2 hrs run 4 ½" csg, 1 hr repair tongs, 1 hr WO csg tongs, 2 hrs run 4 ½" csg, 1 hr circ csg, 2 cmt csg, 4 hrs ND BOP, set slips & cut off csg.

Miscellaneous: Run 192 jts of 4 ½" production csg & set @ 7725'. Cement w/ 200 sx Versacem H (lead) + 590 sx Versacem H (tail). Bumped plug @ 3:00 PM on 11/10/13. Rig released @ 7:00PM on 11/10/13.

Daily Cost: \$110,000

Cum: \$442,700