

1880' FSL and 1880' FEL of Section 42, Block 9, T4S, University Lands, Andrews County, Texas

GL: 3137' KB: TD: PBSD: Pfs:

07/08/13	Start bldg loc.
07/12/13	Fin bldg loc.
07/14/13	Prep to spud loc. MIRU rotary tool.
07/15/13	Day 1: Depth 335' rd bd. PO: NUBOP. Made 335' in 24 hrs. WLS 0.5° @ 335'. BHA: 1 – 17½" bit (1.50'), 1 shock sub (15.18'), 1 – 8" DC (30.55'), 1 IBS (8.08'), 3 – 8" DCs (87.27'), 1 XO (2.98'), 7 – 6½" DCs (206.27'). Tot 351.83'. Bit #1, Surface, 17½", L&R, in @ 0°, out @ 335', made 335' in 5½ hrs. RPM 90, WOB all, SPM 110. MW 9.4, pH 8.5. CASING DETAIL: 9 jts 13⅜" J-55 48# ST&C. Set @ 335'. 4 centralizers. CEMENT DETAIL: 300 sxs Cl 'C' + 2% CaCl2. Wt 14.8. Yield 1.32. Displaced w/47 bbls FW. Full returns. Circ 200 sxs cmt. No float. RT Hrs: WO pmps, cllr jet (1), Spud 12¼" hole (4), WO pmp (½), TOO H, ran too low on diesel (½), WO diesel (1½), TIH (½), Drlg (1½), Circ & pmp sweep (½), TOO H f/csg (1½), RU csg crew (½), Run 9 jts 13⅜" csg (2), Circ, RD csg crew, RU cmtrs (1), Cmt csg (1), WOC (4), Cut csg, weld on wellhead & tst to 3000 psi, tst good (3½), NU BOP (½). Tot 24 hrs. DWC: \$115,357.00 CWC: \$115,357.00
07/16/13	Day 2: Depth 1431' sl, sh, dolo, anhy. PO: Drlg. Made 1096' in 24 hrs. WLS 0.5° @ 796', 0.8° @ 1262'. BHA: 1 – 11" bit (1.50'), 1 motor (28.40'), 1 Pro Drift (4.93'), 1 – 3pt reamer (7.56'), 1 – 8" DCs (30.55'), 1 XO (2.98'), 17 – 6½" DCs (499.77'). Tot 669.55'. Bit #2, Intermediate, 11", Ulterra, SN 20196, in @ 335', made 1096' in 10 hrs. RPM 65, WOB 15,000#, SPM 110, PP 1000 psi. MW 9.7, Vis 29, pH 10. Md & chem added: 10 sxs lm, 10 sxs MF55. RT Hrs: NU BOP, press tst to 500 psi, good (10), Make up new bit & BHA (½), TIH, tag cmt @ 300' (2½), DO cmt (1), Drlg (10). Tot 24 hrs. DWC: \$37,765.00 CWC: \$153,122.00
07/17/13	Day 3: Depth 2954' sh, sd, dolo. PO: Drlg. Made 1523' in 24 hrs. WLS 0.5° @ 1735', 0.2° @ 2200', 0.5° @ 2700'. BHA: 1 – 11" bit (1.50'), 1 motor (28.40'), 1 Pro Drift (4.93'), 1 – 3pt reamer (7.56'), 1 – 8" DCs (30.55'), 1 XO (2.98'), 17 – 6½" DCs (499.77'). Tot 669.55'. Bit #2, Intermediate, 11", Ulterra, SN 20196, in @ 335', made 2619' in 33½ hrs. RPM 70, WOB 24,000#, SPM 110, PP 1200 psi. MW 9.8, Vis 29, pH 10. Md & chem. added: 17 sxs MF55, 16 sxs lm, 2 sxs soda ash, 4 sxs ppr. RT Hrs: Drlg (23½) Service rig (½). Tot 24 hrs. DWC: \$39,730.00 CWC: \$192,852.00
07/18/13	Day 4: Depth 3971' sh, sand, dolo. PO: Drlg. Made 1017' in 24 hrs. WLS 0.8° @ 3633', 0.7° @ 3164'. BHA: 1 – 11" bit (1.50'), 1 motor (28.40'), 1 Pro Drift (4.93'), 1 – 3pt reamer (7.56'), 1 – 8" DCs (30.55'), 1 XO (2.98'), 17 – 6½" DCs (499.77'). Tot 669.55'. Bit #2, Intermediate, 11", Ulterra, SN 20196, in @ 335', made 3636' in 57 hrs. RPM 70, WOB 28,000#, SPM 110, PP 1450 psi. MW 9.8, Vis 29, pH 10. Md & chem added: 17 sxs MF55, 16 sxs lm, 2 sxs soda ash, 4 sxs ppr. RT Hrs: Drlg (23½), Serv rig (½). Tot 24 hrs. DWC: \$39,117.00 CWC: \$231,969.00
07/19/13	Day 5: Depth 4578' sh, sand, dolo. PO: TOO H. Made 607' in 24 hrs. WLS 0.3° @ 4094'. BHA: 1 – 11" bit (1.50'), 1 motor (28.40'), 1 Pro Drift (4.93'), 1 – 3pt reamer (7.56'), 1 – 8" DCs (30.55'), 1 XO (2.98'), 17 – 6½" DCs (499.77'). Tot 669.55'. Bit #2, Intermediate, 11", Ulterra, SN 20196, in @ 335', made 4243' in 72 hrs. RPM 70, WOB 28,000#, SPM 110, PP 1450 psi. MW 9.9, Vis 33, pH 10, Chl 160,000. NOTE: Fl caliper results: Avg hole size = 13⅜", Washout = 124% OTH, 0-4578' = 2606 cf. 0-1582' = 733 cf (Stage 2), 1582-4578' = 18(Stage 1). RT Hrs: Drlg (15), Rig Serv (½), Circ & pmp sweeps, run fl caliper (2), TOO H & ran 2 nd fl caliper (6½). Tot 24 hrs. DWC: \$40,865.00 CWC: \$281,309.00
07/20/13	Day 6: Depth 4578' sh, sand, dolo. PO: Washing to btm @ 1800'. BHA: 1 – 11" bit (1.50'), 1 bit sub (2.64'), 4 – 8" DCs (117.82'), 1 XO (2.98'), 4 – 6½" DCs (117.02'). Tot 241.96'. Bit #2, Intermeidate, 11", Ulterra, SN 20196, in @ 335', out @ 4578', made 4243' in 72 hrs. RPM 70, WOB 28,000#, SPM 110, PP 1450 psi. MW 9.9, Vis 33, ph 10, Chl 160,000. RT Hrs: LD DCs

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- (3), RU csg crew (1), Run 23 jts of 8^{5/8}" csg then brakes locked up (2), Rig rpr, fix linkage on drum brakes (1½), Run 2 more jts of csg before tagging up about 900' (½), Work csg & try to wash down w/no progress (2), LD csg to trip back IH w/bit (2), Rig rpr, work on iron roughneck (7), TIH to 919' tagged up, washed right thru it w/pmps & rotary on (1½), Wash & ream from 919 – 1800', just a few feet or so on every jt that needs washed down (3½). Tot 24 hrs.
 DWC: \$63,028.00 CWC: \$344,367.00
- 07/21/13 Day 7: Depth 4578' sh, sand, dolo. PO: Running csg @ 1100'. BHA: 1 – 11" bit (1.50'), 1 bit sub (2.64'), 4 – 8" DCs (117.82'), 1 XO (2.98'), 4 – 6½" DCs (117.02'). Tot 241.96'. RT Hrs: TIH 1800-4578', washing & reaming as necessary (2½), Circ & cond md (1½), Short trip 38 jts to 3000' (2½), TIH 3000-4578 (2), Circ, cond md, pmp sweeps to clean hole (3½), TOOH to run csg (6), RU csg crew & conduct safety meeting (1), Run 8^{5/8}" csg f/0-1100', had to wash 1 jt down @ 950', also had to XO csg tong unit (5). Tot 24 hrs.
 DWC: \$37,680.00 CWC: \$382,047.00
- 07/22/13 Day 8: Depth 4578' sh, sand, dolo. PO: Jetting pits, fin NUBOP. CASING DETAIL: Ran 109 jts 8^{5/8}" J-55, 32#, L&TC. Set @ 4538'. 25 centralizers. DV tool @ 1547.91'. Float cllr @ 4494.80'. CEMENT DETAIL: 1st Stage Lead w/1120 sxs Cl 'C 35/65 + 6% gel + 0.25# Celloflake + 0.25% Salt BWOW. Wt 12.8. Yield 1.9. Tail w/225 sxs Cl 'C + 0.25% R-38. Wt 14.8. Yield 1.33. Displaced w/274 bbls tot fluid (200 bbls FW then 74 bbls Md). Full returns. Circ 103 sxs cmt. Bumped plug @ 1500 psi. Floats held. 2nd STAGE Lead w/365 sxs Cl C 35/65 + 6% gel + 0.25# Celloflake + 0.25% R-38 + 5% salt BWOW. Wt 12.8. Yield 1.9. Tail w/200 sxs Cl C + 0.25% R-38. Wt 14.8. Yield 1.33. Displaced w/96 bbls FW. Full returns. Circ 106 sxs cmt. Bumped plug @ 2000 psi. Floats held. BHA: 1 – 11" bit (1.50'), 1 bit sub (2.64'), 4 – 8" DCs (117.82'), 1 XO (2.98'), 4 – 6½" DCs (117.02'). Tot 241.96'. RT Hrs: Run 8^{5/8}" csg f/1100-40' off btm, washed f/4500-4530', tot 109 jts IH (5½), Circ, RD csg crew, RU cmtrs (1), Cmt 8^{5/8}" csg (2½), Circ thru DV tool w/rig pmps (5¾), Cmt 8^{5/8}" csg Stage 2 (2¾), RD cmtrs (½), NDBOP, set slips w/108,000#, cut csg, install b-section & tst to 1500#, tsts good (4), Tst BOPE, 250 psi low & 1500 psi high (2). Tot 24 hrs.
 DWC: \$166,417.00 CWC: \$548,464.00
- 07/23/13 Day 9: Depth 4677' sh, sand, dolo. PO: Drlg. Made 99' in 24 hrs. BHA: 1 – 7^{7/8}" bit (1.50'), 1 - motor (30.59'), 1 Pro-Drift (4.96'), 1 IBS (6.58'), 1 – 6½" DCs (29.44'), 1 – IBS (6.57'), 17 – 6½" DCs (469.75'). Tot 549.39'. Bit #3, 7^{7/8}", Production, Ulterra, SN 19419, in @ 4578', made 99' in 1 hr. RPM 65, WOB 10,000#, SPM 90, PP 800 psi. MW 8.5, Vis 29, pH 10, Chl 9500. RT Hrs: Slip & cut drlg line, WO mechanic (4), Rig rpr, work on iron roughneck (10), TIH, tagged DV tool, DO (4), TIH & tagged cmt (3½), DO float equipment & cmt f/4509-4578' (1½) Drlg (1). Tot 24 hrs.
 DWC: \$37,680.00 CWC: \$593,956.00
- 07/24/13 Day 10: Depth 4677' dolo. PO: Drlg. Made 1553' in 24 hrs. WLS 0.30 @ 4990', 0.30° @ 5411', 0.20° @ 5925', 0.20° @ 5970'. BHA: 1 – 7^{7/8}" bit (1.50'), 1 - motor (30.59'), 1 Pro-Drift (4.96'), 1 IBS (6.58'), 1 – 6½" DCs (29.44'), 1 – IBS (6.57'), 17 – 6½" DCs (469.75'). Tot 549.39'. Bit #3, 7^{7/8}", Production, Ulterra, SN 19419, in @ 4578', made 1586' in 24½ hrs. RPM 65, WOB 10,000#, SPM 108, PP 800 psi. MW 8.5, Vis 29, pH 10, Chl 9500. Md & chem added: 10 sxs lm, 4 sxs ppr, 9 gals MF55. RT Hrs: Drlg (2½), Serv rig (½). Tot 24 hrs.
 DWC: \$37,680.00 CWC: \$631,636.00
- 07/25/13 Day 11: Depth 7302' lm, dolo. PO: Drlg. Made 1058' in 24 hrs. WLS 0.3° @ 6397', 0.7° @ 6862'. BHA: 1 – 7^{7/8}" bit (1.50'), 1 - motor (30.59'), 1 Pro-Drift (4.96'), 1 IBS (6.58'), 1 – 6½" DCs (29.44'), 1 – IBS (6.57'), 17 – 6½" DCs (469.75'). Tot 549.39'. Bit #3, 7^{7/8}", Production, Ulterra, SN 19419, in @ 4578', made 2625' in 48 hrs. RPM 65, WOB 18,000#, SPM 100, PP 1800 psi. MW 8.4, Vis 28, pH 11, Chl 7500. Md & chem added: 10 sxs lm, 13 sxs ppr, 18 gals MF55. RT Hrs: Drlg (2½), Serv rig (½). Tot 24 hrs.

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	DWC: \$37,680.00	CWC: \$669,316.00
07/26/13	<p><u>Day 12: Depth 7409' lm, dolo. PO: TIH w/slick BHA to spot LCM pill on btm.</u> Made 206' in 24 hrs. WLS 0.8° @ 7300' . . BHA: 1 - 7/8" bit (1.50'), 1 - motor (30.59'), 1 Pro-Drift (4.96'), 1 IBS (6.58'), 1 - 6 1/2" DCs (29.44'), 1 - IBS (6.57'), 17 - 6 1/2" DCs (469.75'). Tot 549.39'. Bit #3, 7/8", Production, Ulterra, SN 19419, in @ 4578', made 2625' in 48 hrs. RPM 65, WOB 18,000#, SPM 100, PP 1800 psi. MW 9.4, Vis 28, pH 11, Chl 7500. Md & chem. added: 60 sxs gel, 70 sxs Agriplug, 45 sxs cotton seed hulls, 4 sxs ppr, 8 sxs lm, 7 sxs soda ash. RT Hrs: Drlg, LOST RETURNS @ 7409' (5), Pmp LCM pills & work pipe (2 1/2), TOO H to csg shoe @ 4538' (2 1/2), Circ & cond md, build vol (3), TOO H another 15 jts (1), Circ & cond md, build vol (1), TOO H & LD mtr, Pro Drift, & IBSs (6), TIH w/slick BHA to spot pill on btm (3). Tot 24 hrs.</p>	
	DWC: \$45,180.00	CWC: \$721,996.00
07/27/13	<p><u>Day 13: Depth 7409' . PO: WO LCM pill to heal hole.</u> MW 8.4, Vis 28, Chl 7500. Md & chem. added: 70 sxs gel, 326 sxs Agriplug, 170 sxs hulls, 184 sxs hulls, 8 sxs lm, 7 sxs soda ash. RT Hrs: TIH to btm, washed down 7150-7406' (4), Build vol, spot 200 bbls 29# LCM pill on btm (2), TOO H from 7409-4516', inside 8 5/8" csg (2 1/2), WO pill to heal hole (2 1/2), Attempt to circ, no returns (1), Build 200 bbl 50# LCM pill outside bit (4), WO pill to heal hole (4), Fill annulus, annulus full, tried circ & no returns, annulus fl dropped out of sight (1/2), Build 200 bbl 50# LCM pill, spot outside bit (2), WO pill to heal hole (2 1/2). Tot 24 hrs.</p>	
	DWC: \$19,180.00	CWC: \$741,176.00
07/28/13	<p><u>Day 14: Depth 7409' . PO: TOO H w/plugged retainer.</u> Md & chem. adde: 35 sxs gel, 2 sxs soda ash, 62 sxs hulls, 125 sxs Agriplug. RT Hrs: Build vol, cond md, let LCM pill soak in, no returns (3 1/2), TIH to 7000' (2), Rig rpr, change tong dies & boom dies (1/2), TOO H (2 1/2), Rig rpr, replace clutch relay valve, clean out lines on clutch (2), TOO H & LD BHA (4), TIH w/retainer to 4480' (4), RU cmtrs (1), Attempt to flush drill string & retainer was plugged (1/2), TOO H w/plugged retainer (4), Tot 24 hrs.</p>	
	DWC: \$22,180.00	CWC: \$763,356.00
07/29/13	<p><u>Day 15: Depth 7414' lm, dolo. PO: TOO H to LD BHA.</u> Made 5' in 24 hrs. BHA: 1 - 7/8" bit (1.50'), 1 bit sub (3.00'), 6 - 6 1/2" DCs (174.10'). Tot BHA length 178.60'. Bit #4, 7/8", Mill tooth, Smith, SN LB 5208, in @ 7409', made 5' in 1 hr. RPM 60, WOB 10,000, SPM 95. RT Hrs: TOO H, LD retainer stinger (1), Slip & cut drlg line (1 1/2), TIH, tag retainer @ 85' (1/2), Drill on retainer until it fell downhole (1 1/2), TIH from 85-7200' (8), Circ gas out, full returns (1 1/2), TIH 7200-7409' (1), DRILL RETAINER & 5' NEW HOLE FROM 7409-7414, LOST RETURNS @ 7385' (1), Rig rpr, change hole on iron roughneck & replace tong dies (1), TOO H to LD BHA for cmt plug (5). Tot 24 hrs.</p>	
	DWC: \$57,787.00	CWC: \$821, 143.00
07/30/13	<p><u>Day 16: Depth 7414' lm, dolo. PO: Making up drlg BHA.</u> RT Hrs: TOO H (2), Load pipe racks, change dies on boom (2), TIH 0-2300' (2 1/2), Circ, no returns (1/2), TIH to 4500' (1 1/2), Circ, no returns, pmp 200 bbls FW down annulus (1/2), TIH to 6440' (1 1/2), Circ, no returns (1/2), TIH to 7200' (1/2), RU cmtrs (1/2) Cmt balance plug 300 sxs Cl 'C'+ 10% Gilsonite + 0.2% C-15 + 0.3% C-20 + 0.25% R-38, displaced w/84 bbls FW (1), TOO H f/7200-4500' (1 1/2), WOC (4), Fill annulus, circ thru pipe, full returns (1/2), Jet shaker & setting pit (1 1/2), Make up BHA & TIH (1/2). Tot 24 hrs.</p>	
	DWC: \$53,178.00	CWC: \$874,320.00
07/31/13	<p><u>Day 17: Depth 7474' lm, dolo. PO: GIH open-ended to spot cmt plug.</u> Made 60' in 24 hrs. BHA: 1 - 7/8" bit (1.50'), 1 - motor (30.52'), 1 Pro-Drift (4.95'), 1 IBS (6.57'), 1 - 6" DCs (28.02'), 1 - IBS (6.58'), 17 - 6 1/2" DCs (471.36'). Tot 549.50'. Bit #5, 7/8", Ulterra, SN 19576, in @ 7414', made 60' in 2 1/2 hrs. RPM 60, WOB 10,000#, SPM 0, PP 0. MW 8.4, Vis 29, pH 12. RT Hrs: TIH, TAG CMT @ 7122' (7), DO cmt f/7122-7166' (1 1/2), Rpr leak on top drive gooseneck (1/2),</p>	

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Drill f/7414-7474', WITH NO RETURNS (2½), TOO H (9½), Replace boom dies (1). Tot 24 hrs.
 DWC: \$19,180.00 CWC: \$893,500.00

08/01/13 Day 18: Depth 7474' lm, dolo. PO: Circ @ csg shoe. BHA: 1 – 7⅞" bit (1.50'), 1 - motor (30.52'), 1 Pro-Drift (4.95'), 1 IBS (6.57'), 1 – 6" DCs (28.02'), 1 – IBS (6.58'), 17 – 6½" DCs (471.36'). Tot 549.50'. RPM 60, WOB 10,000#, SPM 0, PP 0. MW 8.4, Vis 28, pH 12, Chl 3800. RT Hrs: TIH open-ended (5), RU cmtrs (½), Cmt balanced plug 150+ 150 sxs, displaced w/84 bbls @ 7200' (1), TOO H f/7200-2000' (3½), Rig rpr, replaced boom cylinder (2), TOO H f/2000-0' (3½), Strap BHA (½), TIH w/BHA (2½), Rig rpr, fix derrick lights (1), Cut drlg line 120' (1), TIH to 4538', csg shoe (3½). Tot 24 hrs.
 DWC: \$35,297.00 CWC: \$928,798.00

08/02/13 Day 19: Depth 7566'. PO: Mixing 2nd LCM pill. Made 152' in 24 hrs. BHA: 1 – 7⅞" bit (1.50'), 1 - motor (30.60'), 1 Pro-Drift (4.96'), 1 IBS (6.60'), 1 – 6" DCs (28.95'), 1 – IBS (6.62'), 16 – 6½" DCs (471.70'). Tot 550.93'. Bit #5, 7⅞", Ulterra, SN 19576, in @ 7414', made 152' in 6 hrs. RPM 60, WOB 10,000#, SPM 95, PP 0. MW 8.4, Vis 28, pH 12, Chl 3800. RT Hrs: TIH f/4538-7210', tagged cmt @ 7210' (2½), Drill cmt f/7210-7474' (2), Drill f/7474-7566', ½ returns f/7474-7424', **NO RETURNS f/7424-7566', 2500 bbls lost** (3½), TOO H to shoe @ 4538' (2½), WOO, WO LCM product f/Drill Chem (4), TIH f/4538-7374' (1½), Mix LCM pill & spot @ 7374', 80 bbls @ 50#/bbl w/FW + 1st Strike + Blockade (2½), TOO H 20 jts (1), WO pill to heal hole (1), Attempt to load hole & circ, no returns, did not fill hole (1½), Mix 80 bbl 75#/bbl LCM pill (1½), TIH to spot pill (½). Tot 24 hrs.
 DWC:\$19,180.00 CWC: \$956,812.00

08/03/13 Day 20: Depth 7566'. PO: Rig repair. BHA: 1 – 7⅞" bit (1.50'), 1 - motor (30.60'), 1 Pro-Drift (4.96'), 1 IBS (6.60'), 1 – 6" DCs (28.95'), 1 – IBS (6.62'), 16 – 6½" DCs (471.70'). Tot 550.93'. RT Hrs: TIH 20 jts to btm (½), Circulate, spot 2nd LCM pill on btm (½), TOH 20 jts (½), Wait on pill to heal hole, attempt to circulate, **NO RETURNS** (1), TOH to surface (8), TIH open ended from 0'-3000' (3), Rig repair, Replace right angle gear box on draw works (10½). Tot 24 hrs.
 DWC:\$57,419.00 CWC: \$1,014,231.00

08/04/13 Day 21: Depth 7566'. PO: WOC. RT Hrs: Rig repair, Replace flowline and choke (1), TIH from 3000'-7200' (2), RU cementers and safety meeting (1), Pump cmt plug @ 7200' w/300sks (1½), TOH 7200'-4500' (2), WOC (2), Try to fill hole, will not fill after 465 bbls (½), Wait on orders (2), TIH 4500'-7480' (3), Wait on cementers (3), RU cementers to pmp sand downhole (2), Pmp 42 sks sand downhole and spot @ 7480' (½), TOH 30 jts (1), TIH, tag sand @ 7535' (1½), TOH to 7200' (½), Pump cmt plug @ 7200' w/ 300 sks (1). Tot 24.5 hrs.
 DWC:\$18,065.00 CWC: \$1,043,279.00

08/05/13 Day 22: Depth 7566'. PO: Waiting on trucks. RT Hrs: TOH from 7200'-4500' (2), WOC (2), Attempt to load hole and break circulation, hole would not load (½), Wait on orders (1½), TOH 4500'-0' (3), Nipple down BOP and install dryhole cap, **RIG RELEASED @ 5:00 PM 8/4/13** (2), Jet pits, rig down (1), Rig down, wait on trucks (12). Tot 24 hrs. Released rig to save money; will attempt to set TA plug with workover unit as soon as possible.
 DWC: \$60,045.00 CWC: \$1,103,324.00

08/06/13 SD.
 08/07/13 SD.
 08/08/13 SD.
 08/09/13 TD 7566'. Prep to T&A . Clean up loc. Empty cllr. Prep to MI & spot plug.
 DWC: \$ 1,825.00 CWC: \$1,105,149.00

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08/10/13	<u>TD 7566'</u> . Prep to TIH w/bit & DO w/rev unit. Dump 5 gals soap down csg. Load hole w/FW. Press up csg to 1100 psi. D/N move plug. TIH to 150' w/tbg & wash 45' to 195'. Tbg stopped on hard spot. TOO H & secure well. SDF weekend. DWC \$ 3,600.00 CWC: \$1,108,749.00
08/11/13	<u>TD 7566'</u> . Prep to TIH w/bit & DO w/rev unit. SDF weekend.
08/12/13	<u>TD 7566'</u> . Prep to TIH w/bit & DO w/rev unit. SDF weekend.
08/13/13	<u>TD 7566'</u> . Prep to TIH w/bit. RU rev unit & TIH w/7 7/8" bit, 4 - 3 1/2" DC & tbg to 150'. DO 15' plug. Fell out. TOO H w/bit. TIH w/sandline & 1 jt tbg to check TD. Stopped @ 1600'. Pull sandline out. TIH & tag up @ 4000'. Push plug to 4580'. PU swivel & break circ. SDFN. DWC: \$ 5,640.00 CWC: \$1,114,389.00
08/14/13	<u>PBSD 6581'</u> . PO: <u>DO plug</u> . Break circ. DO bridge, 15'. Lower bit to 6575'. Bit stopped. Attempt to DO, made 6' in 4 hrs. Circ clean. TOO H to check bit. Bit good. SDFN. DWC: \$ 6,235.00 CWC: \$1,120,624.00
08/15/13	<u>PBSD 6622'</u> . PO: Prep to TIH & mix LCM to try to drill again. Lower bit to 6581'. Drill 6' & plugged bit. TOO H. Change bit to 7 7/8" full opening bit. TIH & drill 35' & plugged tbg. TOO H & find DC & bit clean, 5 stands above DC plugged w/sand. SDFN. TD 6622'. NOTE: Mud engineer came to loc to speak w/Company man about possible solutions f/loss circ. It was decided to bring LC-P & Flowzan (L) to loc. Instructions f/use of products are listed in tourly treatments. DWC: \$ 9,280.00 CWC: \$1,129,904.00
08/16/13	<u>PBSD 6692'</u> . TIH w/bit. Dump LCM & drill f/6622' to 6692'. Circ hole clean. TOO H w/2 stds. SDFN. Had to go slow to get cuttings out. Pmpg 3.5 BPM & getting back 1.5 BPM. DWC: \$ 6,035.00 CWC: \$1,135,939.00
08/17/13	<u>PBSD 7058'</u> . DO to 7058'. Circ clean. SDFN. DWC: \$ 5,185.00 CWC: \$1,141,124.00
08/18/13	SDF weekend.
08/19/13	SDF weekend.
08/20/13	<u>PBSD 7187'</u> . DO to 7187'. Bit plugged. TOO H & clean out tbg. TIH w/bit to 7100'. Secure wellhead. SDFN. DWC: \$ 5,985.00 CWC: \$1,147,109.00
08/21/13	<u>PBSD 7187'</u> . Lower bit to 7185'. Attempt to drill. Bit plugged because of poor circ. TOO H. Clean out sand plug in top Dc. TIH w/tbg opened. RU Rising Star & set cmt plug @ btm. Pmpd 6 bbls of sodium silica spacer, 6 bbl FW spacer, 50 sxs cmt mixed @ 12.4 ppg, 6 bbls FW spacer, 6 bbls sodium silica, 6 bbls FW spacer, 50 sxs cmt mixed @ 15.0 ppg, displaced w/35 bbls FW. Had good circ @ end of seconde ss stage & threw rest of job. Tbg on slight vauum after displacement. RD Rising Star & TOO H w/40 stds of tbg. Shut well in. SDFN. DWC: \$19,135.00 CWC: \$1,166,244.00
08/22/13	<u>PBSD 6537'</u> . Lower tbg & tag top of cmt @ 6398'. TOO H w/tbg & TIH w/7 7/8" bit, 6 - 3 1/2" DCs & tbg. Drill cmt out to 6537'. Cmt hard & good circ. Circ clean & TOO H w/4 stds. SDFN. DWC: \$ 6,785.00 CWC: \$1,173,029.00
08/23/13	<u>PBSD 7165'</u> . Run 4 stds & tag up. Drill hard cmt to 6600'. Fell out. Circ clean. PU tbg & tag up @ 6860'. Drill 5' & fell out. PU tbg to 7088'. Tag up. Drill hard cmt to 7165'. Circ clean w/80% returns. TOO H & LD tbg to 4000'. SDFN. DWC: \$ 7,085.00 CWC: \$1,180,114.00
08/24/13	<u>PBSD 7165'</u> . PO: Prep to log. LD rest of tbg & DCs. SDFN. DWC: \$ 5,200.00 CWC: \$1,185,314.00
08/25/13	SDF weekend.
08/26/13	SDF weekend.
08/27/13	WO loggers. RU loggers & run op hole logs w/Baker Atlas. RD loggers. DWC: \$27,000.00 CWC: \$1,212,314.00

1880' FSL and 1880' FEL of Section 42, Block 9, T4S, University Lands, Andrews County, Texas

GL: 3137'

KB:

TD:

PBTD:

Pfs:

08/28/13	RDMO. Secure WH. DWC: \$ 1,035.00	CWC: \$1,213,349.00
07/30/14	Moved rig to loc. Spot rig. RU & dug out cellar. Op tbg valve & csg valve. Bleed down press. ND wellhead & bolts. LD flange. NU BOP, floor, tbg tongs. Shut well in. SD. WO tbg to be moved tomorrow morning.	
07/31/14	Drove to loc. Had safety meeting. Op valve 0 psi. WO frac tank to circ well. RU cmt unit. Circ oil & gas out of well w/415 bbls wtr & 92 sxs mud. Spot 200 sxs cmt f/7041'. POOH w/40 stds as per Mark w/RRC. Tag plug morning. SDFN.	