

*ANDREWS UNIVERSITY 32-2 (Spraberry-Trend)	Desta Drilling #4	Andrews Co., TX
AFE# 90256	Description: New Drill	API: 42-003-41399
		Prop Num: 04006-002

2/11/10 PO: MOVE IN.	CWC \$
2/12/10 PO: TOO WET TO RU – TRUCKS BACK ON MONDAY (2/15/10).	CWC \$142,595
2/13-15/10 PO: WAITING ON TRUCKS.	CWC \$168,760
2/16/10 PD 175' ; PO: FINISH MOVING, RU & MIX SPUD MUD. SPUD @ 2:30AM 2/16/10. DRILL F/40'-175'. MW 8.4; VIS 32	CWC \$184,455
2/17/10 DAS 1; PD 420' ; PO: DRILLING F/ 140' - 165', TOH DUE TO LOW ROP, FOUND CHAIN STUCK IN BETWEEN CONES, WAIT ON BIT. PICK UP NEW 17 1/2" BIT, TIH. DRILLING F/ 165' - 420', TOH. RU CASING CREW, RUN 11 JTS OF 48# H-40 13 3/8" CASING. R/D CASING CREW AND RIG UP HALLIBURTON CEMENTING. CEMENT CASING WITH 440 SXS 14.8 PPG CLASS C CEMENT, WOC. CUT OFF CASING AND WELD ON HEAD. MW 8.4; VIS 28	CWC \$231,100
2/18/10 DAS 2; PD 1270' ; PO: WELD ON WELLHEAD, NU BOPS, SERVICE RIG, RESPOOL DRILLING LINE. TIH WITH BIT #3, TAG CEMENT @ 380', DRILL CEMENT. DRILL F/420'-1270'. MW 8.4; VIS 28	CWC \$246,324
2/19/10 DAS 3; PD 2633' ; PO: DRILL F/1270'-2633'. MW 9.4; VIS 30	CWC \$262,168
2/20/10 DAS 4; PD 3743' ; PO: DRILL F/2633'-3743', RIG SERVICE. MW 9.5; VIS 30	CWC \$287,295
2/21/10 DAS 5' PD 4536' ; PO: DRILL F/3743'-4536'. MW 9.6; VIS 30	CWC \$301,049
2/22/10 DAS 6; PD 4980' ; PO: DRILL F/4536'-4980'. MW 9.6; VIS 32	CWC \$314,877
2/23/10 DAS 7; PD 5030' ; PO: DRILLING F/ 4980' - 5030', CIRCULATE AND CONDITION MUD. TOH, REPAIR ROTARY CHAIN. TOH W/ DCS, RIG UP LAYDOWN MACHINE, LD 8"DCS. RIG UP EXPRESS CASING CREW AND RUN 199 JTS OF 8 5/8" CASING, LANDED CASING @ 5030'. CIRCULATE AND RIG UP HALLIBURTON CEMENTING, HOLD SAFETY MEETING, CEMENT WELL WITH LEAD: 1050 SXS ECONOCEM "C", 11.9PPG, 2.47 YIELD TAIL - 1020 SXS HALCEM "C", 13.1 PPG, 1.93 YIELD, GOOD RETURNS THROUGHOUT JOB, CIRCULATED CEMENT TO PITS.	CWC \$506,884
2/24/10 DAS 8; PD 5507' ; PO: R/D CEMENTERS, WAIT ON CEMENT. R/U NIPPLE UP CREW, NIPPLE DOWN BOP AND SET SLIPS - STW 135000 LBS. NU BOP AND TEST TO 750 PSI. TIH, L/D 4 JTS, TAG CEMENT @ 4975', DRILLING CEMENT AND PLUG. DRILLING F/ 5030' - 5285', TAKE WIRELINE SURVEY @ 5245' - .25 DEGREES. DRILLING F/ 5285' - 5507'. MW 8.4; VIS 29	CWC \$538,099
2/25/10 DAS 9; PD 7220' ; PO: DRILL F/5507'-7220'. MW 8.4; VIS 29	CWC \$553,769
2/26/10 DAS 10; PD 8575' ; PO: DRILL F/7220'-8575', WORK ON PUMPS. MW 8.4; VIS 29	CWC \$570,185
2/27/10	

DAS 11; **PD 9439'**; PO: DRILL F/8575'-9280'. MW 8.4; VIS 29 CWC \$585,648

2/28/10

DAS 12; **PD 10549'**; PO: DRILL F/9349'-10549'. MW 8.5; VIS 29 CWC \$602,955

3/1/10

DAS 13; **PD 11086'**; PO: DRILL F/10549'-11086', TOH F/BIT. MW 8.5; VIS 28 CWC \$622,389

3/2/10

DAS 14; **PD 11340'**; PO: TOH F/ BIT DUE TO ROP - WAIT ON MUD MOTOR. PICK UP BIT #5 AND TIH. WORK ON PIPE SPINNERS, TIH. WASH 30' TO BOTTOM - SET PATTERN. DRILL F/11086'-11340'. MW 8.5; VIS 28

CWC \$646,935

3/3/10

DAS 15; **PD 11420'**; PO: DRILLING F/ 11340' - 11420', CIRCULATE BOTTOMS UP, SHORT TRIP 15 STDS.

CIRCULATE AND SPOT 50 BBL PILL ON BOTTOM (WL - 10), DROP TOTCO AND TOH F/LOGS. RIG UP HALLIBURTON WIRELINE AND LOG WELL, TD - 11305'. RD HALLIBURTON AND TIH WITH DRILLSTRING.

MW 8.5; VIS 28

CWC \$683,415

3/4/10

DAS 16; **PD 11420'**; PO: TIH, PUMP HIGH VIS SWEEP, CIRCULATE AND SPOT WL PILL. R/U LD MACHINE, L/D DRILL PIPE, BREAKDOWN KELLY, L/D DRILL COLLARS, WAIT ON CASING CREW. R/U CASING CREW - RUN 5 1/2" CASING. MW 8.5; VIS 28

CWC \$701,445

3/5/10

DAS 17; **PD 11420'**; PO: RUN 286 JTS OF 17# & 20# 5 1/2" L-80 CASING TO TD OF 11420, CIRCULATE AND CONDITION MUD, RIG DOWN EXPRESS CASING CREWS. RU HALLIBURTON CEMENTING, HOLD SAFETY MEETING, PUMP PRODUCTION CEMENT: 150 BBL NITRIFIED MUD, 20 BBLS SUPER FLUSH, LEAD - 425 SXS ECONOCEM - H 10.7 PPG, 1.93 YIELD, TAIL - 725 SXS VERSACEM H, 14.4 PPG, 1.25 YIELD, DISPLACED WITH FW, BUMPED PLUG AT 265 BBL, PRESSURED UP TO 3257 PSI, HELD 3 MINUTES, BLED BACK 1.5 BBLS. ND BOP, SET SLIPS WITH FULL CASING STRING WEIGHT OF 175K. RIG DOWN DESTA 4 AND PREPARE TO MOVE TO KOLB 31-5#1 LOCATION TOMORROW. **RIG RELEASE 16:30, 3/4/2010.**

CWC \$957,671

03-08-10 AOL RU HES Wireline. Run RCBL/GR/CCL from PBTB @ 11,318' to Surface. Est. TOC @ 5850'. RD HES Wireline. SIW SDFN; Est Daily Comp \$8000
Est Drlg \$957,671; Est Comp \$8000; Est Tot \$965,671

03-09-10 MIRU PU; set hydra-walk & racks; unload 351 jts 2-7/8" L-80 tbg; tally tbg; PU & TIH w/224 jts tbg; SIW; SDFN; Est Daily Comp \$76,300
Est Drlg \$957,671; Est Comp \$84,300; Est Tot \$1,041,971

03-10-10 AOL Finish P/u & TIH w/ tbg. Tag up @ 11,329'. P/u hole to 11,200'. RU HES Acidizers. Pickle tubulars w/ 500 gals. Xylene & 850 gals. 15% HCL acid. Spotted 1000 gals. 10% Acetic acid @ 11,200. RD HES Acidizers. SIW; Est Daily Comp \$16,100
Est Drlg \$957,671; Est Comp \$100,400; Est Tot \$1,058,071

03-11-10 AOL TOO H & L/d tbg. ND BOP NU frac stack. Too windy to rig down; Est Daily Comp \$7450
Est Drlg \$957,671; Est Comp \$107,850; Est Tot \$1,065,521

03-12-10 RDMO PU; MI & set frac tnks; SIW; Est Daily Comp \$4600

03-13-10 RU HSE WL to perf 11072'-11076', 4' pay, 2 SPF, 8 holes; 11084'-11090', 6' pay, 2 SPF, 12 holes; 11115'-11118', 3' pay, 2 SPF, 6 holes; 11112'-11125', 3' pay, 2 SPF, 2 holes; 11156'-11160', 4' pay, 2 SPF, 8 holes; 11178'-11181', 3' pay, 2 SPF, 6 holes; 11190'-11194', 4' pay, 2 SPF, 8 holes; 11212'-11216', 4' pay, 2 SPF, 8 holes; 11228'-11232', 4' pay, 2 SPF, 8 holes; ttl 35' pay, 70 holes; RD HSE; SDFSunday; Est Daily Comp \$250
Est Drlg \$957,671; Est Comp \$112,700; Est Tot \$1,070,371

03-15-10 MI RU HES frac & wireline. Begin 10 stage frac. Stage #1: Breakdown formation @ 2584 psi w/ 1000 gals. Acetic acid on spot. Pumped 815 bbls. 15% HCL acid w/ 72 ball sealers spaced evenly throughout acid, 603 bbls. Water Frac G-R (11) x-linked gel. Max pressure 5720 psi, avg. pressure 4023 psi. Max rate 63 bpm, avg. rate 32 bpm. ISIP 2790 psi. SIW Turned over to wireline. 1658 BLWTR Started to p/u perforating guns. Guns were shorted out due to rain. Worked on drying guns for 3 hrs. P/u CBP & perforating guns. Opened well. TIH & set CBP @ 11,040'; Perforated 10,964'-10,966', 10916'-10,918' w/ 2 jspf; 10,892'-10,894' w/ 4 jspf; 10,862'-10,864' w/ 3 shots; 10,818'-10,820' w/ 5 shots; 10,654'-10,656' w/ 2 jspf; 10,621'-10,624' w/ 11 shots; 10,566'-10,568' w/ 7 shots; 10,541'-10,543' w/ 3 shots; 10,498'-10,500' w/ 2 jspf; 10,480'-10,482' w/ 7 shots; Last 2 guns did not fire. POOH L/d guns. SIW Turned over to frac. Opened well. Breakdown formation @ 3311 psi w/ 48 bbls. 15% HCL acid on spot. Pumped 239 bbls. slick water, 4006 bbls. Water Frac G-R(11) x-linked gel carrying 225,369 lbs. 20/40 Super L/C sand, & 48 bbls. 15% HCL Acid f/ spot. Max press. 5336 psi, avg. press. 5129 psi. max rate 71 bpm, avg. rate 70 bpm. ISIP 2076 psi. SIW Turned over wireline. 4293 BLWTR Stage #3: Started to put perforating guns together. Guns kept shorting out. Worked 3 hrs. but could not get guns fixed. RD wireline. SIW SDFN; Est Daily Comp \$2900
Est Drlg \$957,671; Est Comp \$115,850; Est Tot \$1,073,521

03-16-10 AOL @ 5:15 AM; Wireline prepping guns to RIH. P/u CBP & perforating guns @ 6:00 AM. Opened well. TIH w/ CBP & perforating guns @ 300 fpm. Plug sat down @ 4110'. Could not POOH w/ plug & guns. Worked plug loose & was able to move down hole @ 67 fpm. Plug sat down again @ 5102'. Could not POOH or move down hole. Pumped 30 bbls. slick water past plug. Still could not move plug. Pumped 40 bbls. more past plug to flush acid on spot out of csg. Surged well to pit 3 times. Plug still stuck. Surged well again. Plug set. Decided to set plug. Wireline operator proceeded to shoot plug on negative setting, there was no indication on amp meter charge fired. While waiting to evaluate non fire, Operator switched fire switch to positive position & fired lowest perforating gun @ 5092'. Proceeded to pull out of rope socket & POOH w/ wireline. RD wireline & frac. Left well SI; Est Daily Comp \$191,350
Est Drlg \$957,671; Est Comp \$307,200; Est Tot \$1,264,871

- 03-17-10 MI RU HES CTU. CTU crew told they were to DO CBP only, not to fish perforating guns & then DO CBP. Had to call out larber crane & more lubricator subs. Crane arrived on location @ 1:00 PM. Lubricator arrived @ 6:00 PM. RU lubricator & overshot. TIH @ 12:00 AM. Called out HES wireline personel to disarm guns. Could not latch on to guns. CTU crew was told the O.D. of fish was 2.750". Actual O.D. is 3.125". POOH w/ CT Sent tool hand to pick up 3.125 overshot
- 03-18-10 Tool hand back on location @ 6:00 AM. P/u 3.125" overshot & TIH. Latch onto perf. Guns & pulled off of CBP. POOH L/d perf. Guns & setting tool. L/d fishing tools. P/u 4 5/8" mill & motor. TIH DO CBP & pushed to 10,700'. Circulate well clean. POOH w/ mill & motor. RD CTU MI HES wireline. Wrong setting tool sent out f/ CIBP. Wait f/ correct tool from Midland
Est Drlg \$957,671; Est Comp \$307,200; Est Tot \$1,264,871
- 03-19-10 MI RU PU 600 psi on well. Opened well to pit. Move & set pipe racks & tbg. Talley tbg. Hook vac. Truck up tp csg. ND Frac stack; NU BOP P/u 5 1/2" AD-1 pkr. & 158 jts. Tbg. Set pkr @ 5170.19' kb. RU kill truck; test CIBP to 4200 psi. RU kill truck to csg. Establish inj. rate of 2.5 bpm @ 600 psi. Pumped 20 bbls. did not circulate up intermediate. RD kill truck. SIW SDFN; Est Daily Comp \$7500
- 03-20-09 AOL 500 psi on well. Opened well to pit. RU vac. Truck to csg. POOH w/ 2 jts. Tbg. Set pkr. @ 5091.79'. RU pump truck to csg. Pumped in 2 bpm @ 500 psi. Moved pkr. To 5093.79' & set. Pumped in 2 bpm @ 500 psi. Moved pkr to 5095.79' & set. Pumped in 2 bpm @ 500 psi. Moved pkr to 5097.79' & set. Pumped in @ 2 bpm @ 500 psi. Moved pkr. to 5099.79' & set. Pumped in 2 bpm @ 500 psi. Moved pkr to 5105.65' & set. Pressured up on csg. to 1500 psi. Isolated holes @ 5104.79' to 5102'. Release pressure. Release pkr. POOH w/ 76 jts. Wind blowing to hard. SIW SDFN; Est Daily Comp \$4950
- 03-21-09 AOL 500 psi on well. Blew well down. Hook up vac. Truck to csg. Finish POOH w/ tbg. & pkr. L/d pkr. P/u CICR RU HES Cementers. TIH Est. circulation through retainer. Set CICR @ 5079' kb. Est. inj. Rate of 2 bpm @ 500 psi. Mix 200 sx Halliburton Econocem HLPP cement + 100 sx Premium Plus Class C cement w/ 2% Calcium. Pumped 68.5 bbls. lead cement @ 2 bpm 80 psi, pumped 19 bbls. tail cement @ 1 bpm 50 psi. Tbg. pressure started climbing. Walked pressure up to 1473 psi w/ no bleed off. Stung out of retainer. Ciculate 4 bbls. cement to pit. RD HES Cementers. POOH w/ tbg. L/d stinger. SIW SDFN; Est Daily Comp \$5650
- 03-22-10 AOL P/u 4 5/8", bit sub, & 6 - 3 1/2" DC. TIH Tag cement @ 5069'. DO 2' cement, CICR, & 43' cement. Fell out of cement @ 5010' kb. POOH w/ tbg., DC's, bit sub, & bit. P/u 4 5/8" csg. Scraper. TIH w/ scraper. Run scraper up & down fr/ 5069'- 5110' several times. POOH w/ tbg. L/d DC's, bit sub & bit. SIW SDFN; Est Daily Comp \$8250
Est Drlg \$957,671; Est Comp \$333,550; Est Tot \$1,291,221
- 03-23-10 AOL P/u string mill. TIH to 5171'. POOH w/ 2 jts. Tbg. & work mill up & down csg. POOH w/ 2 jts. & work mill up & down csg. POOH w/ tbg. L/d string mill. P/u HOMCO Casing Patch & setting tool. TIH & set patch from 5092' kb to 5112' kb. POOH w/ tbg. L/d setting tool. SIW SDFN; Est Daily Comp \$30,100
Est Drlg \$957,671; Est Comp \$363,650; Est Tot \$1,321,321
- 03-24-10 AOL Wait f/ HOMCO Casing Patch epoxy to cure. RU kill truck. Test csg. To 4050 psi. Good test. RD kill truck. P/u 4.4375" string mill. TIH w/ tbg. Run mill through patch w/ no problems. TIH w/ 300 jts. Tbg. SIW; Est Daily Comp \$7300
Est Drlg \$957,671; Est Comp \$370,950; Est Tot \$1,328,621
- 03-25-10 AOL Finish TIH w/ tbg. Tag up on CIBP @ 10,394' kb. POOH w/ tbg. To 10,250' kb. RU HES Acidizers & spot 1000 gals. 10% Acetic acid. RD HES POOH @ L/D tbg. Too windy to RD. SIW; Est Daily Comp \$9450
Est Drlg \$957,671; Est Comp \$380,400; Est Tot \$1,338,071

03-26-10 AOL. Snelson moved pumping unit on down stroke. RD PU. Install frac head; Est Daily Comp \$1940
Est Drlg \$957,671; Est Comp \$382,350; Est Tot \$1,720,421

03-27/30-10 SI; WOF; Est Daily Comp \$2400
Est Drlg \$957,671; Est Comp \$386,650; Est Tot \$1,344,321

03-31-10 MI RU HES Blue frac crew. Test lines to 7500 psi.
Stage #3: Opened well. Breakdown formation @ 2867 psi. Pumped 55 bbls. 15% HCL acid, 4675 bbls. Water frac G-R(11) x-linked gel carrying 258,984 lbs. 20/40 Super LC sand, 181 bbls. Slick water, & 48 bbls. 15% HCL acid f/ spot. Pumping @ 70 bpm 6000 psi, acid hit formation & treating pressure dropped to 4700 psi. Increased rate to 78 bpm pressure increased to 5100 psi. Continued w/ frac. Max pressure 6120 psi, avg. pressure 4651 psi. Max rate 78 bpm, avg. rate 76 bpm. ISIP 1860 pi; 5 min SI 1815 psi; 10 min. SI 1800 psi; 15 min. SI 1760 psi. Turned well over to wireline. Waited 2 hrs. f/ wireline to arrive. Worked to get crane working f/ 1 hr. P/u 4.462" gauge ring. TIH Tagged up @ 5056'. Could not get gauge ring down. POOH Flowed well back to pit f/ 30 mins. TIH w/ 4.462" gauge ring again. Tagged up @ 5056' again. POOH P/u CBP & setting tool. TIH & tagged up @ 5056'. P/u 8'. CBP stuck. Pumped 48 bbls. past CBP. Plug still stuck. Surged well. Plug started moving but hanging up in csg. collars. Plug sat @ 4350'. Shot off plug. POOH w/ wireline & RD wireline & frac. Left well SI. 4959 BLWTR; Est Daily Comp \$143,000
Est Drlg \$957,671; Est Comp \$529,650; Est Tot \$1,487,321

04-01-10 AOL. Set rig mat. ND frac head. NU well head. RU PU. NU BOP. Set pipe racks and hydro walk. Moved tbg to racks. RU reverse unit. Ran 4-3/8 bit, bit sub, 140 jts 2-7/8 tbg. Tagged plug @ 4579'. NU stripper. PU swivel. Drilled plug. Flowing 3-4 bbls per min.(acid). Flowed acid 45 mins. PU 17 jts. Tagged csg patch. Pushed plug thru patch. Pulled and ran bit thru patch 4 times.Flow from well approx 1 bbl per min. Pulled 9 stands tbg. Pumped 30 bbls 10# brine water down tbg. Tbg on slight vac. Removed check. Pulled one stand. Tbg started flowing. Closed well in. Shut down; Est Daily Comp \$9800

04-02-10 Set 4 frac tanks. NU well head. Tied into frac tanks. Opened well to frac tanks. Produced 750 bbls; Est Daily Comp \$1900

04-03-10 Produced 1920 bbls; Est Daily Comp \$2800

04-04-10 Produced 960 bbls; Est Daily Comp \$2100

04-05-10 AOL POOH w/ tbg. P/u 4.375" bit, sub, & 4.467" Spiral Mill. TIH to 5080'. P/u power swivel & 1 jt. Tbg. TIH to top of patch @ 5092'. Est. circ. TIH & work mill up & down through patch 6 times. Saw 1 small bobble @ 5098'. Circ. Clean. P/u 1 jt. Worked mill through patch 6 times. TIH w/ tbg. to 9841' & circulated well clean. POOH w/ 112 jts. tbg. to 7002'. SIW SDFN; Est Daily Comp \$7450
Est Drlg \$957,671; Est Comp \$553,790; Est Tot \$1,511,461

04-06-10 AOL Finish POOH w/ tbg. L/d string mil, bit, &subs. P/u Halliburton CBP & hydraulic setting tool. TIH w/ CBP & setting tool to 9809'. Dropped ball. Pressured up to 2000 psi & set CBP. Pressured up on csg. To 4000 psi. Good test. Patch & CBP holding. POOH & L/d 16 jts. tbg. EOT @ 9290'. SIW SDFN; Est Daily Comp \$46,010
Est Drlg \$957,671; Est Comp \$599,800; Est Tot \$1,557,471

04-07-10 AOL RU HES acidizers & vac. Truck. Spotted 1000 gals. 10% Acetic acid. RD HES acidizers & vac truck. POOH & L/d tbg. Too windy to rig down. SIW SDFN; Est Daily Comp \$10,020

04-08-10 AOL RD MO PU L/d tbg. Load Hydra-walk & racks & move to AU 16B-2. SIW; Est Daily Comp \$3320
Est Drlg \$957,671; Est Comp \$613,140; Est Tot \$1,570,811

04-09/12-10 SI WOF; Est Daily Comp \$7970

04-13-10 MI RU HES Blue Core frac & HES Wireline(Joe Kirby). RU Lenoir Water Transfer. SDFN; Est Daily Comp \$1600

04-14-10 AOL Continue 10 stage frac.

- Stage #4(Dean & Lower spraberry): Opened well. Breakdown formation @ 2457 psi w/ 1000 glas, 10% Acetic acid on spot. Pumped 3134 bbls. Water Frac G-R(11) x-linked gel carrying 180,627 lbs. 20/40 Wh. Ottawa sand, 113 bbls. 15% HCL acid, 194 bbls. slick water. Max pressure 5206 psi, avg. pressure 3832 psi. Max rate 72 bpm, avg. rate 72 bpm. ISIP 922 psi. SIW Turned over to wireline. 3459 BLWTR
- Stage #5 (Middle Spraberry): P/u CBP & perfoating guns. Opened well. TIH w/ dummie plug to 5200'. No trouble going through csg. patch. WL measurement for patch depth 5080'-5100'. POOH P/u CBP & perforating guns. TIH & set CBP @ 9120'. Test plug to 2500 psi. Perforated 9085'-9090' w/ 27 shots; 8974'-8978' w/ 13 shots; 8630'-8633' w/ 4 jspf; 8904'-8906' w/ 2 jspf; 8856'-8860' w/ 14 shots. POOH SIW Turned over to frac. Opened well. Breakdown formation @ 1947 psi w/ 48 bbls. 15% HCL acid on spot. Pumped 4223 bbls. Water Frac G-R(11) x-linked gel carrying 236,200 lbs. 20/40 WH. Ottawa sand, 47 bbls. 15% HCL acid f/ spot, 180 bbls. slick water. Max pressure 3204 psi, avg. pressure 2952 psi. Max rate 72 bpm, avg. rate 72 bpm. ISIP 921 psi. SIW Turned over to wireline. 4450 BLWTR
- Stage #6(Lower Leonard/Upper Spraberry): P/u CBP & perforating guns. Opened well. TIH w/ CBP & set @ 8820'. Perforated 8750'-8754' w/ 18 shots; 8716'-8720' w/ 17 shots; 8610'-8614', 8382'-8385' w/ 10 shots per interval. POOH SIW Turned over to frac. Opened well. Breakdown formation @ 1623 psi w/ 47 bbls, 15% HCL acid on spot. Pumped 3812 bbls. Water Frac G-R(11) x-linked gel carrying 215,100 lbs. 20/40 Wh. Ottawa sand, 47 bbls. 15% HCL acid f/ spot, 167 bbls. slick water. Max pressure 3026 psi, avg. pressure 2730 psi. Max rate 72 bpm, avg. rate 71 bpm. ISIP 990 psi. SIW Turned over to wireline. 4027 BLWTR
- Stage #7(Upper Spraberry): P/u CBP & perforating guns. Opened well. TIH & set CBP @ 8350'. Test plug to 2500 psi. Perforated 8266'-8270', 8206'-8210' w/ 27 shots per interval; 8146'-8150' w/ 16 shots. POOH SIW Tunred over to frac. Opened well. Breakdown formation 1228 psi. w/ 47 bbls. 15% HCL acid on spot. Pumped 3071 bbls. Water Frac G-R(11) x-linked gel carrying 221,500 lbs. 20/40 Wh. Ottawa sand, 47 bbls. 15% HCL f/ spot, 181 bbls. slick water. Max pressure 3032 psi, avg. pressure 2762 psi. Max rate 73 bpm, avg. rate 72 bpm. ISIP 969 psi. SIW Turned over to wireline. 3299 BLWTR
- Stage #8(Lower Leonard): P/u CBP & perforating guns. Opened well. TIH & set CBP @ 8110'. Test plug to 2500 psi. Perforated 8088'-8096', 8002'-8010' w/ 4 jspf; 7940'-7943' w/ 2 jspf. POOH SIW Turned over to frac. Opened well. Breakdwon formation @ 1596 psi w/ 15% HCL acid on spot. Pumped 4197 bbls. Water Frac G-R(11) x-linked gel carrying 263,400 lbs. 20/40 Wh. Ottawa sand, 47 bbls. 15% HCL acid f/ spot, 158 bbls. slick water. Max pressure 2777 psi, avg. pressure 2511 psi. Max rate 72 bpm, avg. rate 71 bpm. ISIP 1030 psi. SIW Turned over to wireline. 4276 BLWTR; Est Daily Comp \$3700
Est Drlg \$957,671; Est Comp \$644,130; Est Tot \$1,601,801
- 04-15-10 Stage #9 (Middle Leonard): P/u CBP & perforating guns. Opened well. TIH & set CBP @ 7900'. Peforated 7817'-7820', 7755'-7758', 7720'- 7723' w/ 6 jspf; 7680'-7684' w/ 3 jspf. POOH SIW Turned over to frac. Opened well. Breakdown formation @ 1988 psi w/ 15% HCL acid on spot. Pumped 5022 bbls. Water Frac G-R(11) x-linked gel carrying 305,800 lbs. 20/40 Wh. Ottawa sand, 294 bbls. slick water, 49 bbls. 15% HCL acid f/ spot. Max pressure 2791 psi, avg. pressure 2551. Max rate 71 bpm, avg. rate 71 bpm. ISIP 1136 psi. SIW Turned over to wireline. 5365 BLWTR
- Stage #10 (Upper Leonard): P/u CBP & perforating guns. Opened well. TIH & set CBP @ 7600'. Perforated 7550'-7555' w/ 4 jspf; 7520'-7525' w/ 29 shots; 7466'-7470' w/ 21 shots. POOH SIW Turned over to frac. Opened well. Breakdown formation @ 1054 psi w/ 15% HCL acid on spot. Pumped 1846 bbls. water Frac G-R(11) x-linked gel carrying 105,800 lbs. 20/40 Wh. Ottawa sand, 186 bbls. slick water. Max pressure 2577 psi, avg. pressure 2271 psi. Max rate 57 bpm, avg. rate 51 bpm. ISIP 1259 psi. SIW Turned over to wireline. 2032 BLWTR. TIH

w/ CBP. CBP sat down @ 450'. Pumped 7 bbls. past CBP. Moved down to 1041'. sat down again. Could not get plug to move. Sat plug @ 1041'. POOH RD wireline & frac. Left well SI SDFN; Est Daily Comp \$306,400
Est Drlg \$957,671; Est Comp \$950,530; Est Tot \$1,908,201

04-16-10 MIRU PU RU Hydra-walk & rack. Move tbg. To racks. Talley tbg. P/u 4 3/8" Cone Buster Mill, 6 - 3 1/2' DC's, & Sliding Sleeve Prod. Sub. RU reverse unit. TIH Tag CBP @ 1040'. P/u power swivel. DO CBP. Pressure under plug pushed tbg. OOH 4'. Let well flow f/ 2 hrs. RU flow line to frac tanks. Left well flowing to frac tanks over weekend; Est Daily Comp \$10,250

04-17-10 Well flowed back 2200 BLW; Est Daily Comp \$1100

04-18-10 Well flowed back 750 BLW; Est Daily Comp \$1100
Est Drlg \$957,671; Est Comp \$962,980; Est Tot \$1,920,651

04-19-10 AOL L/d bent jt. Of tbg. & power swivel. P/u new jt. Tbg. & power swivel. Could not go in hole due to pressure. L/d tbg. & power swivel. Hook up well to frac tanks. RD MO PU Left well flowing over night; Est Daily Comp \$8100
Est Drlg \$957,671; Est Comp \$971,080; Est Tot \$1,928,751

04-20-10 Well flwg; 500 PSI; recd 3036 BLW; Est Daily Comp \$6250
Est Drlg \$957,671; Est Comp \$977,330; Est Tot \$1,935,001

04-21-10 Well flowing 420 psi 2050 BLWR; Est Daily Comp \$1750
Est Drlg \$957,671; Est Comp \$979,080; Est Tot \$1,936,751

04-22-10 Well flowing 320 psi. 1560 BLWR; Est Daily Comp \$4700

04-23-10 Well flowing. 750 BLWR; Est Daily Comp \$2400

04-24-10 Well flowing. 530 BLWR; Est Daily Comp \$2200
Est Drlg \$957,671; Est Comp \$988,380; Est Tot \$1,946,051

04-27-10 Road to loc. Set rig mat. RU PU. Set racks and hydro walk. Moved tbg to racks. Shut down for night; Est Daily Comp \$1150
Est Drlg \$957,671; Est Comp \$989,530; Est Tot \$1,947,201

04-28-10 AOL. Pulled 25 jts 2-7/8 tbg. and pump off sub. LD 6 3-1/2 drill collars. Ran pump off sub, bit and 25 jts back in hole. Tallied tbg. PU 6 jts from rack. Tagged plug @ 1020'. RU reverse unit. PU swivel, drilled plug. PU 206 jts from rack. Tag @ 7560'. Changed out stripper rubber. CWISD Hauled 940 bbls. from pit; Est Daily Comp \$10,350
Est Drlg \$957,671; Est Comp \$999,880; Est Tot \$1,957,551

04-29-10 AOL. Tag @ 7560' c/o 50' sand. Drilled plug @ 7610'. Ran tbg. Tag @ 7820' c/o 80' sand. Drilled plug @ 7910'. Had trouble circulating sand out of hole. No pressure under plugs. Ran tbg. Tag @ 8100' c/o 20' sand. Drilled plug @ 8120'. Tag @ 8290' c/o 70' sand. Drilled plug @ 8360'. Still no flow from well. Having trouble keeping circulation. Pulled 15 stands. CWISD Hauled 1300 bbls from pit; Est Daily Comp \$42,350
Est Drlg \$957,671; Est Comp \$1,042,350; Est Tot \$2,000,021

04-30-10 AOL. Ran 15 stands 2-7/8 tbg. PU 8 jts. Down for rig repair. Circulate 3 hrs. Pulled 19 stands 2-7/8 tbg. BOT @ 7400'. RU foam air machine. Ready to drill. CWISD Hauled 735 bbls from pit; SDFWE; Est Daily Comp \$9250
Est Drlg \$957,671; Est Comp \$1,051,480; Est Tot \$2,009,151

05-01/02-10 SIFWE; Est Daily Comp \$500

05-03-10 AOL. Ran 19 stands 2-7/8 tbg. PU 3 jts. Tag @ 8730'. Built up pressure. C/o 100' sand. Drilled plug @ 8830'. Ran tbg. Tag @ 8980'. Drilled 30 mins. Cut riser out on tank. Bled well down. Pulled 24 stands 2-7/8 tbg. Moved pit off location. NU different pit. CWISD; Est Daily Comp \$14,450
Est Drlg \$957,671; Est Comp \$1,066,430; Est Tot \$2,024,101

05-04-10 AOL. Well had 375 psi. Ran 24 stands 2-7/8 tbg. PU 3 jts. tbg off rack. Tag @ 8980' c/o 150' sand. Drilled plug @ 9130'. Ran tbg. Tag @ 9750' c/o 80' sand. Drilled 1.5 hr on plug @ 9830'. Pushed plug to 10240'. Drill on plug 30 min. Pushed plug @ 10275'. Circulated well clean. Pulled 44 stands 2-7/8 tbg. CWISD; Est Daily Comp \$16,000
Est Drlg \$957,671; Est Comp \$1,082,430; Est Tot \$2,040,101

05-05-10 AOL. 800 psi on csg. Bled csg off. Pumped 40 bbls 10# brine down tbg. Pulled 113 stands 2-7/8 tbg, pump off sub and 4-3/8 mill. LD mill. PU new 4-3/8 mill. Threads were bad on mill. Ran 4-3/8 bit, bit sub, pump off sleeve and 113 stands. NU stripper. CWISD Hauled 480 bbls from pit; Est Daily Comp \$17,700 Est Drlg \$957,671; Est Comp \$1,100,130; Est Tot \$2,057,801

05-06-10 AOL. 150 psi on csg. Ran 44 stands 2-7/8 L80 tbg. Try to circulate. Could not get circulation. Pull 30 stands 2-7/8 tbg. Broke circulation. Ran 30 stands back in hole. Tag 10210'. Pushed plug to 10280'. Drilled plug. Tag @ 10370' c/o 80' sand. Ran tbg. Tag @ 10420'. Drilled plug. Pushed part of plug to 10725'. Pressure holding plug up. Pulled 9 stands up to upper perfs. Waited one hr. Ran tbg back. Tag @ 10725'. Pressure still holding plug up. Drilled on plug 1.5 hrs. Circulated clean. Pulled 51 stands 2-7/8 tbg. CWISD Hauled 3800 bbls from pit; Est Daily Comp \$22,800 Est Drlg \$957,671; Est Comp \$1,122,930; Est Tot \$2,080,601

05-07-10 AOL. Pulled 20 stands 2-7/8 tbg. Well started flowing. Pumped 30 bbls brine down csg, 10 bbls down tbg. Pulled 93 stands 2-7/8 tbg. LD bit and bit sub. Ran 4-3/8 cone buster mill. Ran 113 stands. RU foam machine to circulate. Pump for 3 hrs. Started getting pressure on csg. CWISD; Est Daily Comp \$12,700

05-08-10 AOL. 800 psi on csg. Started circulating. NU stripper. Ran 44 stands 2-7/8 L80 tbg. Tag @ 10725'. Drilled 6 hrs. Drilled to 10728'. Bled well down. Pulled 164 stands 2-7/8 tbg. Pump off sub & mill. CWISD; Est Daily Comp \$15,350 Est Drlg \$957,671; Est Comp \$1,150,980; Est Tot \$2,108,651

05-09-10 SIFWE; Est Daily Comp \$250

05-10-10 AOL. Bled pressure off well. PU tbg bailer. Ran 164 stands 2-7/8 L80 tbg. Tag @ 10728'. Worked bailer up and down and rotated. Did not make hole. Started out of hole with tbg. Pulled 63 stands. Shut down because of wind; Est Daily Comp \$7600 Est Drlg \$957,671; Est Comp \$1,158,830; Est Tot \$2,116,501

05-11-10 AOL. Pulled 101 stands 2-7/8 L80 tbg. Laid bailer down. Nothing in bailer. PU 4-3/8 mill w/catchers inside and 8' extension. Ran 164 stands 2-7/8 tbg. Tag @ 10728'. Tried to reverse circulate. Pumped 720 bbls fresh water. Changed to conventional, pumped 60 bbls. Milled 5'. PU on tbg. Milled 10'. PU on tbg. Pushed plug 50' to 10778'. Tbg was dragging 20 pts for about 20' after washing down. Pulled 51 stands 2-7/8 tbg. CWISD; Est Daily Comp \$11,250 Est Drlg \$957,671; Est Comp \$1,170,080; Est Tot \$2,127,751

05-12-10 AOL @ 7:00 am Pulled 113 stands 2-7/8 tbg, 4-3/8 mill w/8' extension. Nothing in mill. WOO. Ran 51 stands 2-7/8 tbg. LD 102 jts. PU bull plug, 3-1/2 MA jt (31.90). Perforated sub (4.10), 5-1/2 x 2-7/8 TAC (2.75), SN (1.10), and 83 stands 2-7/8 L80 tbg. Ran anchor thru csg patch. Went ok. CWISD @ 7:00pm; Est Daily Comp \$8700 Est Drlg \$957,671; Est Comp \$1,178,080; Est Tot \$2,136,451

05-13-10 AOL @ 7:00 am. Ran 30 stands 2-7/8 tbg. Total tbg in hole - 226 jts 2-7/8 (7405'). ND BOP. Set TAC (19 pts). Land tbg. NU wellhead. PU pump 2.5 x 1.5 x24, 4 1-1/2 kbars (100'), 113 3/4 steel rods (2875), 86 7/8 steel rods (2150'), 90 1" steel rods (2250'). Spaced well out. Load tbg. Test 500 psi. Bled well off. Pressured up tbg with pump. Bled pressure off. CWI SD @ 6:00 pm; Est Daily Comp \$58,450 Est Drlg \$957,671; Est Comp \$1,237,230; Est Tot \$2,194,901

05-14-10 AOL @ 7:00 am. Wait on Snelson to move pumping unit on down stroke. Hang well on. RD PU. Moved rig to Covington 33-1. Shut down 3:30 pm. Released to prod. Final report; Est Daily Comp \$4550

05-15-10 Pmpd 0 BO + 392 BW + 0 MCF; pwr failure

05-16-10 Pmpd 0 BO + 232 BW + 0 MCF; tripped overload Est Drlg \$957,671; Est Comp \$1,241,780; Est Tot \$2,199,451

05-17-10 No tst; tripped overload – replaced BLW 37,846; BLWR 624 (2%); BLWTR 37,222

05-18-10 Pmpd 0 BO + 148 BW + 0 MCF
BLW 37,846; BLWR 772 (2%); BLWTR 37,074

05-19-10 Pmpd 3 BO + 17 BW + 15 MCF; pwr failure, BO
BLW 37,846; BLWR 789 (2%); BLWTR 37,057

05-20-10 Pmpd 0 BO + 66 BW + 0 MCF; pole fuse dwn
BLW 37,846; BLWR 855 (2%); BLWTR 36,991

05-21-10 Pmpd 0 BO + 83 BW + 0 MCF; transformer fuse dwn

05-22-10 Pmpd 0 BO + 297 BW + 0 MCF

05-23-10 Pmpd 0 BO + 330 BW + 0 MCF
BLW 37,846; BLWR 1565 (4%); BLWTR 36,281

05-24-10 Pmpd 0 BO + 356 BW + 0 MCF
BLW 37,846; BLWR 1921 (5%); BLWTR 35,925

05-25-10 Pmpd 0 BO + 244 BW + 0 MCF
BLW 37,846; BLWR 2165 (6%); BLWTR 35,681

05-26-10 Pmpd 0 BO + 432 BW + 0 MCF
BLW 37,846; BLWR 2597 (7%); BLWTR 35,249

05-27-10 Pmpd 0 BO + 320 BW + 0 MCF
BLW 37,846; BLWR 2917 (8%); BLWTR 34,929

06-02-10 SPOT FLOWBACK TANK & RIG MATS; MIRU KEY PU # 133; LAY FLOWLINE
FROM WH TO TANK; BLOW GAS PSI OFF WELL; RU KILL TRUCK; UNHANG
WELL; TRIED TO UNSEAT PUMP BUT GOT STRAIGHT PU; ROD WT 10K;
POOH W/ ALL RODS, K-BARS & 17' OF PULL TUBE; CUT OFF 4' SECTION
OF BTTM OF PULL TUBE & SENT INTO NORRIS RODS FOR INSPECTION;
MU 1-5/8" O'BANNON FISHING TOOL & RIH W/ RODS TO FISH PUMP;
LATCH UP FISH & UNSEAT PUMP W/ 12K; POOH W/ RODS & FISH SCOTT
MALONE W/ NORRIS RODS CALLED & SAID THAT THE INSPECTION
SHOWED LOTS OF ERROSION & CORROSION; SECURE WELL; SDON; Est
Daily Comp \$6525
Est Drlg \$957,671; Est Comp \$1,248,305; Est Tot \$2,205,976

06-03-10 BLOW GAS PSI OFF WELL; RU KILL TRUCK & PUMP 15 BBLS PRODUCED
WATER DOWN CSG; PU 2-1/2" X 1-1/2" X 24' RXBC PUMP [HVR W/ WIPERS
& 203" STROKE] W/ SPIREL SUB, DON-NAN ON-OFF TOOL & 1" X 1" LIFT
SUB ON TOP OF PUMP LOAD PUMP W/ DIESEL & MU 1-1/4" X 16' GAS
ANCHOR & RIH; PU 4 -1-1/2" K-BARS & RIH W/ 113 3/4" MMS STEEL RODS,
86 - 7/8" MMS STEEL RODS, 90 - 1" MMS STEEL RODS; SEAT PUMP &
SPACE OUT WELL; LOAD TUB W/ 10 BBLS WATER & TEST TO 500#;
RELEASE PSI & LONG STROKE PUMP BACK TO 500#; HANG WELL ON;
RDMO KEY PU # 133 & KILL TRUCK; RD FLOWLINE FROM WH TO TANK;
PUT WELL ON PRODUCTION @ 1:00 PM; Est Daily Comp \$2010
Est Drlg \$957,671; Est Comp \$1,250,315; Est Tot \$2,207,986

06-06-10 Pmpd 0 BO + 390 BW + 0 MCF
BLW 37,846; BLWR 3307 (9%); BLWTR 34,539

06-07-10 Pmpd 0 BO + 309 BW + 0 MCF
BLW 37,846; BLWR 3616 (10%); BLWTR 34,230

06-08-10 Pmpd 0 BO + 316 BW + 0 MCF
BLW 37,846; BLWR 3932 (10%); BLWTR 33,914

06-09-10 Pmpd 0 BO + 260 BW + 0 MCF
BLW 37,846; BLWR 4,192 (11%); BLWTR 33,654

06-10-10 Pmpd 5 BO + 315 BW + 0 MCF
BLW 37,846; BLWR 4,507 (12%); BLWTR 33,339

06-11-10 Pmpd 5 BO + 224 BW + 0 MCF
BLW 37,846; BLWR 4,731 (13%); BLWTR 33,115

06-12-10 Pmpd 10 BO + 220 BW + 0 MCF
BLW 37,846; BLWR 4,951 (13%); BLWTR 32,895

06-13-10 Pmpd 10 BO + 170 BW + 0MCF
BLW 37,846; BLWE 5,121 (14%); BLWTR 32,725

06-14-10 Pmpd 11 BO + 229 BW + 0MCF
BLW 37,846; BLWE 5350 (14%); BLWTR 32,496

06-15-10 Pmpd 15 BO + 430 BW + 0MCF
BLW 37,846; BLWE 5780 (15%); BLWTR 32,066

06-16-10 Pmpd 4 BO + 256 BW + 0MCF
BLW 37,846; BLWE 6036 (16%); BLWTR 31,810

06-17-10 Pmpd 40 BO + 264 BW + 0 MCF
BLW 37,846; BLWE 6300 (17%); BLWTR 31,546

06-18-10 Pmpd 36 BO + 156 BW + 0 MCF

06-19-10 Pmpd 35 BO + 165 BW + 0 MCF

06-20-10 Pmpd 4 BO + 335 BW + 0 MCF
BLW 37,846; BLWE 6956 (18%); BLWTR 30,890

06-21-10 Pmpd 0 BO + 251 BW + 0 MCF
BLW 37,846; BLWR 7207 (19%); BLWTR 30,639

06-22-10 Pmpd 12 BO + 157 BW + 15 MCF; **dropped from report**
BLW 37,846; BLWR 7364 (19%); BLWTR 30,482

07-28-10 SPOT FLOWBACK TANK & RIG MATS MIRU KEY PU # 133 & KILL TRUCK
UNHANGE WELL LAY FLOWLINE FROM WH TO TANK BLOW GAS PSI
OFF WELL PUMP 15 BBLS PRODUCED WATER DOWN CSG UNSEAT
PUMP W/ 36K ROD WT 18K POOH W/ 90 - 1" STEEL RODS, 86 - 7/8"
RODS, 113 - 3/4" RODS, 4 - 1-1/2" K-BARS & PUMP SECURE WELL SDON;
NO SIGN OF PARAFFIN; Est Daily Comp \$2550

07-29-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 15 BBLS PRODUCED
WATER DOWN CSG ND WH NU BOP SPOT CAT WAIK & PIPE RACKS
MOVE 123 JTS 2-7/8" 6.50# L-80 TUB FROM SIDE OF LOC TO RACKS
RELEASE TAC SET @ 7405' POOH W/ 226 JTS 2-7/8" 6.50# L-80 EU 8RD
TUB, S/N, [TURNED DOWN] TAC, SPS, MA & BP REMOVE BP & FOUND
4' FILL IN MA [SAND] SEND TAC INTO WATSON PACKERS FOR
REDRESS CLEAN UP MA & MU BP MU 2-7/8" H-F DUMP VALVE, 3-1/2"
X 2-7/8" MUD ANCHOR, 2-7/8" SUPER PERF SUB, 2-7/8" S/N & RIH W/ 117
JTS 2-7/8" TUB MU 5-1/2" X 2-7/8" [TURNED DOWN] REDRESS TAC
LOADED W/ 45,000# SHEAR PINS & RIH W/ 109 JTS TUB TALLY 123 JTS
2-7/8" L-80 TUB ON PIPE RACKS SECURE WELL SDON; Est Daily Comp
\$6170.

07-30-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 15 BBLS PRODUCED
WATER DOWN CSG ND WH NU BOP SPOT CAT WAIK & PIPE RACKS
MOVE 123 JTS 2-7/8" 6.50# L-80 TUB FROM SIDE OF LOC TO RACKS
RELEASE TAC SET @ 7405' POOH W/ 226 JTS 2-7/8" 6.50# L-80 EU 8RD
TUB, S/N, [TURNED DOWN] TAC, SPS, MA & BP REMOVE BP & FOUND
4' FILL IN MA [SAND] SEND TAC INTO WATSON PACKERS FOR
REDRESS CLEAN UP MA & MU BP MU 2-7/8" H-F DUMP VALVE, 3-1/2"
X 2-7/8" MUD ANCHOR, 2-7/8" SUPER PERF SUB, 2-7/8" S/N & RIH W/ 117
JTS 2-7/8" TUB MU 5-1/2" X 2-7/8" [TURNED DOWN] REDRESS TAC
LOADED W/ 45,000# SHEAR PINS & RIH W/ 109 JTS TUB TALLY 123 JTS
2-7/8" L-80 TUB ON PIPE RACKS SECURE WELL SDON; Est Daily Comp
\$3593

07-31-10 SPOT FRAC TANK & FILL W/ FRESH WATER; Est Daily Comp \$1718

08-01-10 SIFWE; Est Daily Comp \$168

08-02-10 BLOW GAS PSI OFF WELL RU KILL TRUCK MIRU KEY FOAM AIR UNIT
REDESIGN FLOWLINE FROM WH TO FLOWBACK TANK MU 4" OD GLOBE
BASKET W/ 4-1/8" OD SHOE, 2 - 3-7/8" X 3' EXTENTIONS, 3-7/8" TOP
BUSHING, X-OVER SUB, 3-3/4" LOGAN HYDRAULIC JARRS, 8 - 3-1/2" DRILL
COLLARS, X-OVER SUB & RIH W/ 177 JTS 2-7/8" 6.50# L-80 EU 8RD TUB
INSTALL BIW STRIPPING RUBBER, 2-7/8" FLOAT SUB, 2-7/8" TIW VALVE &
SWEDGE MU HIGH PSI HOSE FROM TUB TO FOAM AIR UNIT BTM OF
BHA SWINGING @ 6029' UNLOAD 60 - 1" GLOBAL RODS W/ SH BOXES,

08-03-10 90 - 7/8" RODS W/ FH BOXES, 20 - 3/4" RODS W/ FH BOXES & FULL SET OF 1" PONY SUBS SECURE WELL SDON; Est Daily Comp \$5923
FIRE UP FOAM AIR UNIT & PUMP DOWN TUB & UNLOAD HOLE FROM 6030' KILL TUB, BLEED OFF PSI & RIH W/ 143 JTS TUB & TAG FIL @ 10,710' LAY DOWN 1 JTS & RU PWR SWIVEL INSTALL 2ND FLOAT VALVE & PU JT RU FAU TO TUB & START CIR HOLE TOOK 4 HRS & 40 MIN TO GET RETURNS TO SURFACE SLACK DOWN & TAG FILL WASHED EASILY 1ST 10 FT & THEN WE HAD TO DRILL DOWN 54' FOR A TOTAL OF 64' RUNNING 1700# TORQUE ON SWIVEL WASHED DOWN TO 10,774' & RAN OUT OF JT BIW STRIPPING RUBBER STARTED LEAKING BADLY DECIDED TO LET WELL CLEAN UP GOOD BEFORE MAKING CONNECTION LOST CIR CONTINUED TO PUMP & STARTED WORKING TUB UP & DOWN AFTER 25 MIN WE REGAINED CIR CLEANED UP WELL UNTILL WE HAD LOTS SOAP COMING BACK IN OUR RETURNS CUT SOAP OFF & PUMP 20 BBLS FRESH WATER DOWN TO KILL WELL CHANGE OUT STRIPPING RUBBER LAY DOWN PWR SWIVEL POOH W/ 58 STDS TO 7201' [266' ABOVE TOP PERF] INSTALL TIW VALVE & RU HOSE TO FAU SECURE WELL SDON; Est Daily Comp \$21,508

08-04-10 FIRE UP FAU & CIR HOLE FROM 7201' TOOK 30 MIN TO GET RETURNS CIR BTMMS UP & KILL TUB W/ 20 BBLS RIH W/ 58 STDS & TAG FILL @ 10,748' [26' ABOVE YESTERDAY BTM DEPTH] STRIPPING RUBBER STARTED LEAKING WHILE RIH CHANGE OUT RUBBER RU PWR SWIVEL HOOK UP FAU & CIR HOLE TOOK 3 HRS & 10 MIN TO GET RETURNS RIH & TAG FILL & START WASHING & DRILLING DOWN W/ 4 TO 5 PTS WT & 1450# TORQUE ON SWIVEL GOT DOWN TO 10,806' & FELL THRU TO 10,970' STARTED DRILLING DOWN W/ 4 PTS WT & 1400# TORQUE ON SWIVEL DEVELOPED LEAK IN HYD HOSE ON SWIVEL GOT DOWN TO 11,023' & GOT SOLID SWIVEL WAS STALLING OUT W/ 2 PTS WT ON FISH ALL INDICATION ACTS LIKE WE ARE ON CBP TRIED TO SET & DRILL ON CBP BUT GOT AFRAID WE WERE GOING TO BURN UP SWIVEL PU OFF OF FISH & CIR HOLE BTMMS UP FOR 1-1/2 HRS KILL TUB W/ 25 BBLS LAID DOWN PWR SWIVEL NEEDED TO POOH W/ 62 STDS TO GET TO 7201' ABOVE ALL PERFS HAD 46 STDS OUT & STRIPPING RUBBER GAVE UP KILLED WELL W/ PUMP TRUCK DOWN CSG & FINISHED POOH SECURE WELL SDON; Est Daily Comp \$14,758

08-05-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 20 BBLS PRODUCED WATER DOWN CSG & 15 DOWN TUB POOH W/ 102 STDS 2-7/8" TUB, X-OVER SUB, 8 - 3-1/2" DC, 3-3/4" HYD JARRS, TOP SUB, 2 - 3" EXTENTION & GLOBE BSKT HAD NOTHING IN BSKT PU & MU 4-3/8" OD CONE BUSTER MILL, 2-7/8" REG BOX X 2-3/8" IF BOX BIT SUB, 3-3/4" HYD JARRS, 8 - 3-1/2" DC, 2-7/8" EU 8RD BOX & 2-3/8" IF PIN X-OVER SUB & RIH W/ 2 STDS TUB PUMP 20 BBLS DOWN CSG & 15 BBLS DOWN TUB & RIH W/ 109 STDS & SINGLE BTM OF BHA SWINGING @ 7190' RU BIW STRIPPING RUBBER TO TOP OF BOP INSTALL 2-7/8" TIW VALVE & NU HOSE FROM TUB TO FOAM AIR UNIT SECURE WELL SDON; Est Daily Comp \$6108

08-06-10 START UP FAU & CIR HOLE FROM 7190' GOT RETURNS IN 35 MIN CIR BTMMS UP KILL TUB W/ 20 BBLS WATER RIH W/ TUB & BHA & TAG FILL @ 11,003' [20' HIGHER THAN WE CLEAN OUT TO] INSTALL 2ND FLOAT VALVE & RU PWR SWIVEL START FAU & CIR HOLE GOT RETURNS BACK IN 55 MIN WASH DOWN TO 11,025' & LOST CIR CONTINUE TO PUMP & GOT RETURNS BACK IN 30 MIN START DRILLING ON CBP W/ 2 PTS DOWN & 1100 # TORQUE ON SWIVEL DRILLED FOR 15 MIN & PLUG FELL THRU RIH TO 11,058' MAKE CONN & RIH TO 11,290' BEFORE WE TAG PLUG DRILL ON PLUG FOR 2-1/2 HRS & WASHED DOWN TO 11,353' STOP DRILLING OFF & MAKEING HOLE PU OFF BTM & CIR BTMMS UP FOR 2 HRS KILL TUB W/ 25 BBLS RD PWR

SWIVEL POOH W/ 68 STDS RDMO FAU BTTM OF BHA SWINGING @ 6924' SECURE WELL SDFWE; Est Daily Comp \$15,423

08-07/08-10 SIFWE; Est Daily Comp \$416

08-09-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 20 BBLS PRODUCED WATER DOWN CSG POOH W/ TUB PUMP 10 BBLS DOWN TUB LAY DOWN 8-3-1/2" DC, JARRS & CONE BUSTER MILL CLEAN OUT SAND IN FLOWBACK PIT & HAUL WATER TO DISPOSAL MU & RIH W/ 2-7/8" NOTCHED COLLAR, 2 - 3-3/4" CHECK VALVES, 10 JTS 2-7/8" L-80 TUB, 3-3/4" BAILER, 2-7/8" X 8' TUB SUB, 2-7/8" DRAIN VALVE & 204 JTS TUB BTTM OF BHA SWINGING @ 7153' SECURE WELL SDON; Est Daily Comp \$5208

08-10-10 BLOW GAS PSI OFF WELL RY KILL TURCK & PUMP 20 BBLS DOWN CSG RIH W/ TUB & BHA & TAG FILL @ 11,352' STROKE BAILER & BAIL DOWN TO 11,353' [HAD 1' FILL FROM WHERE WE HAD CLEANED OUT TO LAST FRIDAY WHILE DRILLING OUT CBP] POOH W/ TUB & BHA MU 2-7/8" H-F DUMP VALVE, 3-1/2" X 2-7/8" MUD ANCHOR, 2-7/8" X 4' SUPER PERF SUB, 2-7/8" S/N & RIH W/ 118 JTS 2-7/8" 6.50# L-80 EU 8RD TUB MU 5-1/2" X 2-7/8" TURNED DOWN [4.450 OD] TAC LOADED W/ 45,000# SHEAR PINS & RIH W/ 4 JTS TUB SECURE WELL SDON; Est Daily Comp \$8268

08-11-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 20 BBLS PRODUCED WATER DOWN CSG FINISH RIH W/ 223 JTS 2-7/8" TUB PUMP 20 BBLS DOWN CSG ND BOP SET TAC @ 7449' W/ 19,000# TENSION NU WH MIRU WADECO CHEM TRAILER & SALAZAR PUMP TRUCK RU ON TUB & PUMP 275 GALS OJ ACID SURFACTANT, 275 GALS SI-202 SCALE INHIBITOR, 275 GALS OJ ACID SURFACTANT & FLUSH W/ 120 BBLS 2% KCL WATER RDMO WADECO & SALAZAR SECURE WELL SDON; Est Daily Comp \$9808

08-18-10 Pmpd 3 BO + 260 BW + 22 MCF
BLW 37,846; BLWR 7624 (18%); BLWTR 30,222

08-19-10 Pmpd 3 BO + 185 BW + 22 MCF
BLW 37,846; BLWR 7809 (21%); BLWTR 30,037

08-20-10 Pmpd 19 BO + 171 BW + 24 MCF

08-21-10 Pmpd 11 BO + 157 BW + 50 MCF; dwn due to storm

08-22-10 Pmpd 44 BO + 152 BW + 52 MCF
BLW 37,846; BLWR 8289 (22%); BLWTR 29,557

08-23-10 Pmpd 36 BO + 147 BW + 78 MCF
BLW 37,846; BLWR 8436 (22%); BLWTR 29,410

08-25-10 Pmpd 44 BO + 124 BW + 84 MCF
BLW 37,846; BLWR 8560 (23%); BLWTR 29,286

08-26-10 Pmpd 50 BO + 159 BW + 92 MCF
BLW 37,846; BLWR 8719 (23%); BLWTR 29,127

08-27-10 Pmpd 50 BO + 159 BW + 92 MCF

08-28-10 Pmpd 63 BO + 101 BW + 92 MCF

08-29-10 Pmpd 36 BO + 132 BW + 102 MCF; will put on schedule to lwr
BLW 37,846; BLWR 9111 (24%); BLWTR 28,735

08-30-10 Pmpd 39 BO + 11 BW + 75 MCF; tst f/below perms; **dropped from report**
BLW 37,846; BLWR 9122 (24%); BLWTR 28,724