

ANDREWS UNIVERSITY 29-3 (Sprayberry-Trend)

Desta Drilling #4

Andrews Co., TX

AFE# 90209

Description: New Drill

API: 42-003-41039

Prop Num: 04003-003

8/5/09

SPUD DATE 8/5/09 - PD 455'; PO: MOVE IN & RU. DRILL F/40'-455', CIRCULATE. MW 8.5; VIS 29

CWC \$91,213

8/6/09

DAS 1; **PD 455'**; PO: TOH F/ 13 3/8" CSG, RIG UP CSG CREW, MAKE UP TEXAS PATTERN SHOE, WAIT ON CSG CREW / BROUGHT OUT WRONG CSG SLIPS. RUN 11 JTS 13 3/8" CSG / NOTIFICATION TRRC MIDLAND OFFICE. RU HALLIBURTON / SAFETY MEETING. CEMENT W/ 440 SX HALCEM, 14.8 DENSITY, 1.33 YIELD, 6.36 GAL./SX, 0.8% CC, WOC. CUT OFF CSG AND WELD ON CSG HEAD, NU BOP AND TEST, PU BHA #2 AND TIH. TEST PIPE RAMS, CHANGE OUT FLOW LINE VALVE, DRILL OUT CEMENT. MW 8.5; VIS 29

CWC \$147,671

8/7/09

DAS 2; **PD 2800'**; PO: DRLG CEMENT, DRLG F/ 455' - 872', CLEAN OUT FLOWLINE, SERVICE RIG. DRLG F/ 872' - 967', WLS 927' @ 1/2 DEG. DRLG F/ 967' - 1410', WLS 1370' @ 1/2 DEG. DRLG F/ 1410' - 1913', WLS 1873' @ 3/4 DEG. DRLG F/ 1913' - 2412', WLS 2372' @ 3/4 DEG. DRLG F/ 2412' - 2800'. MW 8.9; VIS 30

CWC \$184,271

8/8/09

DAS 3; **PD 4006'**; PO: DRLG F/ 2800' - 2864', WLS 2824' @ 3/4 DEG. DRLG F/ 2864' - 3308', SERVICE RIG, WLS 3270' @ 1/2 DEG. DRLG F/ 3308' - 3770', WLS 3730' @ 3/4 DEG. DRLG F/ 3770' - 4006'. MW 10; VIS 30

CWC \$195,275

8/9/09

DAS 4; **PD 4865'**; PO: DRILL F/4006'-4259', WLS 4210' @ 3/4 DEG. DRILL F/4259'-4481', SERVICE RIG. DRILL F/4481'-4865'. MW 10; VIS 33

CWC \$211,805

8/10/09

DAS 5; **PD 5000'**; PO: DRLG F/ 4865' - 5000', SWEEP HOLE, CIRC, DROP TOTCO. TOH, WORK TIGHT HOLE F/ 1500' - 1080', STUCK @ 1080', WORK STUCK PIPE. SET KELLY BACK, RU WIRE LINE BACK OFF, FREE POINT @ 1012', 147' LEFT IN HOLE, BIT, SS, 3-8" DC'S, 2-IBS. RIG DOWN WIRE LINE, TOH W/ BACK OFF, PU FISHING TOOLS / SAFETY MEETING. SLIP ON NEW SPOOL DRLG LINE (1,100'). MW 10.2; VIS 36

CWC \$238,486

8/11/09

DAS 6; **PD 5000'**; PO: RESTRING DRILLING LINE, PU FISHING TOOLS, TIH / LATCH ON TO FISH & PUSH DOWN 90 FT. CIRC & WAIT ON POWER SWIVEL. RIG UP POWER SWIVEL, REAM OUT OF HOLE/ 2 JTS LEFT AND WILL BE IN CASED HOLE. MW 10.2; VIS 36

CWC \$277,763

8/12/09

DAS 7; **PD 5000'**; PO: REVERSE REAM OUT OF HOLE, RIG DOWN POWER SWIVEL, LOAD OUT FISHING TOOLS. TIH / TAG @ 1188', REAM F/ 1188 - 1628. TIH / TAG @ 3403 / REAM OUT / TIH TO 5000'. CIRCULATE & CONDITION MUD / SPOT PILL. MW 10.2; VIS 40

CWC \$297,811

8/13/09

DAS 8; **PD 5000'**; PO: WORKING PIPE, CIRCULATE, TOH - STUCK PIPE @ 1592'. WORKING STUCK PIPE & WAIT ON WIRELINE TRUCK. R/UP BLACK WARRIOR WL TRUCK, RUN FREEPOINT - STUCK @ BIT, RIG UP & RUN SHOT - BACKED OFF @ 1547'; LEFT BIT, SHOCK SUB & 1-8" DC= 44.8'. TOH - LAY DOWN 8" DC & XO, PICK UP FISHING TOOLS & TIH. P/UP KELLY - WASH DOWN TO FISH - SET KELLY BACK - P/UP JT DP & ATTEMPT SCREW IN - P/UP KELLY - SCREW INTO FISH - BIT PLUGGED SET KELLY BACK - JAR FISH LOOSE. TOH, LAY DOWN FISHING TOOLS & FISH, RIG UP LAY DOWN MACHINE & CASING CREW, SAFETY MEETING, RUNNING 8 5/8" CASING. MW 10.2; VIS 40; FL 20

CWC \$329,361

8/14/09

DAS 9; **PD 5000'**; PO: RUNNING 8 5/8 CASING, WASH CASING DOWN F/ 4902' - 4960', CIRCULATE, RIG DOWN CASING CREW & LAY DOWN MACHINE. SAFETY MEETING & RIG UP HALLIBURTON. CEMENTING; LEAD W/1320 SKS ECONOCEM "C" @ 11.9 PPG, TAIL IN W/210 SKS HALCEM "C" @ 14.8 PPG BUMP PLUG @ 18:10 - CMT, CIRC 113 SKS, RIG DOWN HALLIBURTON. NIPPLE DOWN BOP, SET CASING SLIPS (120K), CUTOFF CSG, NIPPLE UP & TEST B-SECTION. NIPPLE UP BOP, TEST BOP, JETTING PITS, MAKE UP BHA & TIH.

CWC \$470,123

ENTERED
SEP 22 2009
BY: _____

8/15/09

DAS 10; **PD 5270'**; PO: PICK UP 8 - 6 1/2" DC'S, TIH & LAY DOWN 5 JTS DP, PICK UP KELLY & TEST PIPE RAMS 750 PSI. DRILL CEMENT - TAG @ 4912 FC @ 4916', WASH & REAM HOLE F/ 4960' – 5000', DRILLING F/ 5000' – 5270'. MW 8.5; VIS 25 CWC \$485,544

8/16/09

DAS 11; **PD 5970'**; PO: DRILL F/5270'-5420', SERVICE RIG. DRILL F/5420'-5547', WLS @ 5507' ½ DEG. DRILL F/5547'-5970'. MW 8.5; VIS 28 CWC \$497,162

8/17/09

DAS 12; **PD 7050'**; PO: DRILLING F/ 5970' – 6021', SURVEY @ 5981 - .5 DEG. DRILLING F/ 6021' – 6212', SERVICE RIG. DRILLING F/ 6212' – 6528', SURVEY @ 6488' - .8 DEG. DRILLING F/ 6528' – 7036', SURVEY @ 6996' - .5 DEG. DRILLING F/ 7036' – 7050'. MW 8.6; VIS 29 CWC \$511,914

8/18/09

DAS 13; **PD 7850'**; PO: DRILLING F/ 7050' – 7385', SERVICE RIG - REPLACE BOLTS ON CENTER DRIVELINE. DRILLING F/ 7385' – 7543', SURVEY @ 7503' - .5 DEG. DRILLING F/ 7543' – 7850'. MW 8.6; VIS 28 CWC \$522,984

8/19/09

DAS 14; **PD 8651'**; PO: DRILL F/7850'-8049', SURVEY @ 8009'-.75 DEG. DRILL F/8049'-8145', RIG SERVICE. DRILL F/8145'-8524', SURVEY @ 8484'-.75 DEG. DRILL F/8524'-8651'. MW 8.6; VIS 28; CWC \$536,910

8/20/09

DAS 15; **PD 9540'**; PO: DRILL F/8651'-8936', SERVICE RIG. DRILL F/8936'-9063', SURVEY @ 9023'-.74 DEG. DRILL F/9063'-9540'. MW 8.6; VIS 28 CWC \$552,994

8/21/09

DAS 16; **PD 10040'**; PO: SURVEY @ 9500'-.60 DEG, DRILL F/9540'-9793', SERVICE RIG. DRILL F/9793'-10040', DROP TOTCO & TOH. MW 8.6; VIS 28 CWC 564,909

8/22/09

DAS 17; **PD 10330'**; PO: TOH F/ BIT, SERVICE RIG, WAIT ON BIT & JUNK BASKET. TIH & P/UP 4 DC'S, REPLACE MAKE UP TONG CABLE, TIH. WASH 90' TO BOTTOM, WORK JUNK ON BOTTOM, DRILLING F/ 10040' – 10330'. MW 8.6; VIS 28 CWC \$579,635

8/23/09

DAS 18; **PD 10860'**; PO: DRILL F/10330'-10572', SERVICE RIG. DRILL F/10572'-10604', SURVEY @ 10560'-1 DEG. DRILL F/10604'-10860'. MW 8.6; VIS 29 CWC \$594,042

8/24/09

DAS 19; **PD 11290'**; PO: DRILL F/10860'-10890', SERVICE RIG. DRILL F/10890'-11090', SURVEY @ 11050'-.75 DEG. DRILL F/11090'-11290'. MW 8.6; VIS 30; FL 15 CWC \$605,387

8/25/09

DAS 20; **PD 11435'**; PO: DRILLING F/ 11290' – 11302', SERVICE RIG. DRILLING F/ 11302' – 11435', CIRCULATE, SWEEP HOLE & SPOT HIGH VIS PILL. TOH FOR LOGS, SAFETY MEETING & RIG UP HALLIBURTON LOGGERS. LOGGING - LOGGERS TD 11380' (FILL & STICKY ON BOTTOM). MW 8.6; VIS 30; FL 15.2 CWC \$629,359

8/26/09

DAS 21; **PD 11435'**; PO: FINISH LOGGING & RIG DOWN LOGGERS. TIH TO CASING SHOE, SLIP & CUT 100' DRILLING LINE. TIH, WASH 105' TO BOTTOM, CIRCULATE & RIG UP LAY DOWN MACHINE. LDDP, BREAK DOWN KELLY, LAY DOWN DRILL COLLARS. SAFETY MEETING & RIG UP CASING CREW. MW 8.6; VIS 29 CWC \$660,179

8/27/09

DAS 22; **PD 11435'**; PO: RIG UP CSG CREW, RUN 5 1/2" CSG, WAIT ON CASING TONGS. RUN 5 1/2" CSG / 295 JTS - 11,404' SET @ 11,400'. RU HALLIBURTON / SAFETY MEETING / CEMENT 1 ST STAGE W/ 700 SX 14.8 DENSITY, 1.25 YIELD, %.78 GAL/SK, CIRCULATE. SAFETY MEETING / CEMENT 2ND STAGE. MW 8.6; VIS 29 CWC \$847,139

8/28/09

DAS 23; PD 11435'; PO: CEMENT 2ND STAGE W/ 400 SX ECONOCHEM H, 11.9 DENSITY, 2.49 YIELD 14.45
LEAD AND 100 SX HALCEM 15.6 DENSITY, 1.19 YIELD, 5.39 TAIL PLUG DOWN @ 6:40 AM - 8-27-09, 1146 PSI /
3179 PSI, SHUT IN FOR 4 HRS. NIPPLE DOWN, SET SLIP 170 K, CUT OFF, RIG DOWN FOR MOVE TO
UNIVERSITY 21- 3. RIG RELEASED @ 2:00 PM 8-27-09. CWC \$895,854

08-31-09 Blade off loc; plumb surf csg valve & intermediate csg valve to surf; fill in cellar w/pea gravel; MIRU PU; move & set Hydra-walk & racks; unload 355 jts 2-7/8" L-80 tbg; tally tbg; PU 4-5/8" rock bit, 6 – 3-1/2" DC's & 223 jts tbg; tg DV tool @ 7460'; SIW SDFN; Est Daily Comp \$10,685
Est Drlg \$895,854; Est Comp \$10,685; Est Tot \$906,539

09-01-09 AOL RU power swivel & stripper head. Tag DV tool & DO in 45 mins. RU pump truck. Test csg. to 4500#. Good test. RD pump truck. P/u & TIH w/ tbg. to PBTD @ 11,350'. POOH & L/D 1 jt. tbg. EOT @ 11,317'. RU Halliburton Energy Services. Establish circulation. Pickle tubulars w/ 500 gals. Xylene, 10 bbls. fw, 500 gals. 15% NEFE HCL acid, & 243 bbls. fw. POOH w/ 5 jts. tbg. EOT @ 11,065'. Spot 1000 gals. 10% Acetic acid from 11,065' to 10,065'. RD HES. POOH w/ 18 jts. tbg. SIW SDFN; Est Daily Comp \$11,500
Est Drlg \$895,854; Est Comp \$22,185; Est Tot \$918,039

09-02-09 AOL Finish POOH w/ tbg. RU Halliburton Energy Services wireline. RU pump truck. TIH to PBTD @ 11,339' EWL measurement. Run CCL-GR-CBL from PBTD to estimated TOC @ 4484' w/ 1000 psi on csg. L/D logging tools RD pump truck. P/u perforating guns. TIH & perforate 11,028'-11,038'; 11,050'-11,068'; 11,172'-11,176' w/ 1 jsp. POOH w/ perforating guns. SIW SDFN; Est Daily Comp \$8840
Est Drlg \$895,854; Est Comp \$35,425; Est Tot \$931,279

09-03-09 AOL; PU 2-7/8"x5.5" Model R pkr; TIH w/tbg; set pkr @ 10,956'; open bypass; RU pmp trk & pmp 12 BFW to transfer acetic acid into tbg; close bypass; press up on csg to 500 PSI & hold press; RD pmp trk; RU Halliburton Energy Svcs Acdzrs; brk dwn form w/10% acetic acid @ 2779 PSI @ 1.1 BPM; incrsd rt to 4.2 BPM; brk dwn form again w/15% HCL acid @ 3500 PSI @ 3.5 BPM; pmpd 2500 gals 15% HCL w/70 – 1.3 gravity ball sealers; started seeing ball action w/18 ball sealers on form; contd seeing ball action to ball out w/52 balls on form & 1000 gals acid rem in tbg; balled out @ 6200 PSI; surged balls off perfs; fin pmpg acid; ISIP 2996 PSI, 5 mins 2831 PSI, 10 mins 2752 PSI, 15 mins 2692 PSI; RD HES; RU swb; IFL @ surf; made 10 runs; recd 74 BW; EFL @ 6500'; SIW, SDFN; Est Daily Comp \$13,500
Est Drlg \$895,854; Est Comp \$48,925; Est Tot \$944,779

09-04-09 AOL; 200 PSI tbg; IFL 3000'; made 17 runs; recd 9 BO + 84 BW; ending FL @ 10,950'; SIW; SDFHD; Est Daily Comp \$3500
Est Drlg \$895,854; Est Comp \$52,425; Est Tot \$948,279

09-08-09 AOL; 50 PSI tbg press; beg swbg; IFL @ 5600'; made 5 runs; recd 3 BO + 19 BW; EFL 9600'; RD swb; rel pkr; POOH & LD tbg; ND BOP; NU frac valve & cross; SIW; SDFN; Est Daily Comp \$5470
Est Drlg \$895,854; Est Comp \$57,895; Est Tot \$953,749

09-09-09 RD MO PU Set Sentry 640-305-166 pumping unit; Est Daily Comp \$87,847
Est Drlg \$895,854; Est Comp \$204,070; Est Tot \$1,099,924

09-10/13-09 WO frac; Est Daily Comp \$1200

09-14-09 AOL; RU Halliburton Energy Svcs frac & WL; Stg #1 – perf & brk dwn on 9-3-09; pmpd 100,361 gals Hybor G R 15 gel carrying 60,700# 20/40 Versaprop; form screened out w/9726# left in well-bore; ISIP 5524 PSI; max rt 56.5 BPM; avg rt 56 BPM; max press 5774 PSI; avg press 5457 PSI; RU flw back manifold & flwd sd bck; SIW; BLWTR 2390 Bbls; Stg #2 – PU perf guns; TIH to 800'; line twisted on top sheave; att to POOH; line twisted worse; had to close rams & PU lubr & cut line; took 5.5 hrs to WL rigged back up; RIH w/guns; perf 10,650'-10,652', 10,692'-10,694', 10,730'-10,732', 10,764'- 10,766', 10,802'-10,804', 10,846'-10,848', 10,884'-10,886', 10,932'-10,934' w/4 JSPF; POOH w/ perf guns; SIW; start frac; pmpd 2514 Bbls Hybor G R 15 gel carrying 109,200# 20/40 Super LC; ISIP 3259 PSI; max press 5689 PSI; avg press 4903 PSI; max rt 73 BPM; avg rt 70 BPM; SIW; BLWTR 2514 Bbls; Stg #3 – PU perf guns & CBP; TIH set CBP @

10,620'; perf 10,368'-10,371', 10,416'-10,419.5', 10,464'-10,467.5', 10,518'-10,521.5', 10,572'-10,575.5' w/4 JSPF; POOH SIW RU frac; pmpd 2475 Bbls Hybor G R 15 gel carrying 112,300# 20/40 Super LC sd; ISIP 2378 PSI; max press 5512 PSI; avg press 4374 PSI; max rt 61 BPM; avg rt 60 BPM; SIW; BLWTR 2475 Bbls; Stg #4 – PU perf guns & CBP; TIH & set CBP @ 10,300'; perf 9884'-9887', 9926'-9929', 9978'-9981.5', 10,028'-10,031.5', 10,076'-10,079.5', 10,128'-10,131.5', 10,186'-10,189' w/4 JSPF; POOH; SIW; RU frac; pmpd 2323 Bbls Hybor G R 15 gel carrying 76,300# 20/40 Super LC sd; ISIP 1824 PSI; max press 5299 PSI; avg press 4469 PSI; max rt 72 BPM; avg rt 70 BPM; SIW; BLWTR 2323; fin last 4 stgs 9-15; cost will be added @ end of frac

09-15-09 Finish fracking.

Stage #5: P/u perforating guns & CBP. TIH & set CBP @ 9840'. Perforate 9486'-9489'; 9524'-9527'; 9564'-9567.5'; 9616'-9619.5'; 9668'-9671.5'; 9720'-9723.5'; 9772'-9775' w/ 4 jspf. Pumped 2964 bbls. Hybor G - R 15 gel carrying 106,003# of 20/40 Wh. Ottawa sand & 49,697# 20/40 Super LC sand. ISIP 1444 psi. Max press 3530 psi, Avg. press 3102 psi. Max rate 71 bpm, Avg. rate 70 bpm. SIW; BLWTR 2964 bbls.

Stage #6: P/u perforating guns & CBP. TIH & set CBP @ 9300'. Perforate 8722'-8725'; 8780'-8783'; 8830'-8833'; 8886'-8889'; 8938'-8941'; 8996'-8999'; 9054'-9057'; 9112'-9115' w/ 4 jspf. Pumped 3531 bbls. Hybor G - R 15 gel carrying 101,220# 20/40 Wh. Ottawa sand & 93,180# 20/40 Super LC. ISIP 1049 psi. Max press 4184 psi, Avg. press 2895 psi. Max rate 72 bpm, Avg. rate 71 bpm. SIW BLWTR 3531 bbls.

Stage #7: P/u perforating guns & CBP. TIH & set CBP @ 8640'. Perforate 8324'-8327.5'; 8372'-8375.5'; 8420'-8423.5'; 8468'-8471.5'; 8514'-8517.5'; 8564'-8567' w/ 4 jspf. Pumped 3728 bbls. Hybor G-R 15 gel carrying 123,103# 20/40 Wh. Ottawa sand & 97,797# 20/40 Super LC sand. ISIP 1040 psi. Max press. 2774 psi, Avg. press 2191. Max rate 66 bpm, Avg. rate 65 bpm. SIW BLWTR 3728 bbls

Stage #8: P/u perforating guns & CBP. TIH set CBP 8280'. Perforate 8036'-8039.5'; 8084'-8087.5'; 8142'-8145.5'; 8190'-8193.5'; 8240'-8243' w/ 4 jspf. Pumped 3285 bbls. Hybor G-R 15 gel carrying 98,241# 20/40 Wh. Ottawa sand & 93,459# 20/40 Super LC sand. ISIP 1726 psi. Max press 265 psi, Avg. press. 2296 psi. Max rate 72.5 bpm, Avg. rate 72 bpm. SIW BLWTR 3285 bbls. Total BLWTR 23,210 bbls.

P/u perforating guns & CBP. TIH & set CBP & 8020' Perforate 7830'; 7770'; 7714'; 7656'; 7596' w/ 2 jspf @ 180 deg. Phasing. POOH P/u dump bailer. TIH & dump 2 sx cement on top of CBP. POOH SIW SDFN; Est Daily Comp \$356,500; Est Drlg \$895,854; Est Comp \$563,020; Est Tot \$1,458,874

09-16-09 AOL; blew well dwn; ND frac stack; install 7-1/6" X 10k X 5.5" 8rd companion flg; install cmtg head w/5.5" plug launcher; RU Halliburton cmtrs; est inj rate of 5.0 BPM @ 1300# w/12 BFW; began pmpg cmt; pmpd 100 sx Econocem @ 12.7 PPG, 1.88 cu ft/sx Halcem @ 16.4 cu ft/sx; displaced w/173 BFW; rate of 5 BPM @ 900#;

Est Drlg \$19,850; Est Comp \$583,620; Est Tot \$1,478,724

09-17-09 MI RU PU; move hydra-walk and tbq; bled well off; ND cmt head; NU BOP; talley tbq; PU 4-5/8" rock bit, 6 – 3-1/8" DC's and tbq; TIH tag cmt @ 7190'; RU power swivel; DO cmt to 7224'; circ well clean; pulled 1 jts SION;

Est daily \$6250; Est Comp \$590,320; Est Tot \$1,484,974

09-18-09 AOL; tg cmt @ 7224'; DO cmt to 7834'; cmt was more solid in perf section; when drld thru btm of cmt started gaining fluid in pit; POOH w/24 jts tbq; SIW; tbq started bldg up press; SDFWE; Est Daily Comp \$5030;

Est Drlg \$895,854; Est Comp \$595,350; Est Tot \$1,491,204

09-21-09 AOL; 780 PSI tbg; RU flw back manifold & opened to pit; let well flw all day; unload cmt wtr & salty slick wtr w/sm amt gas; no oil; SIW SDFN; Est Daily Comp \$5840;
Est Drlg \$895,854; Est Comp \$601,190; Est Tot \$1,497,044

09-22-09 AOL 150 psi tbg. 480 psi csg. Blew tbg. down. Pumped 42 bbls. 10# brine. RU HES acidizers. Spot 1000 gals. 10% Acetic acid from 6495' to 7628'. RD HES. Pumped another 160 bbls 10# brine well still flowing. Hooked up vaccum truck to csg. pulled vaccum on csg. while POOH w/ tbg. POOH w/ tbg. ND BOP NU frac valve & cross. SIW SDFN Begin moving in frac equipment. Tomorrow: Frac 1 zone; Est Daily Comp \$10,320;
Est Drlg \$895,854; Est Comp \$611,510; Est Tot \$1,507,364

09-23-09 AOL; 480#; frac eqpmt set up; RU HES WL; PU 5-1/2" CBP TIH & set CBP @ 8000'; POH PU perf guns & TIH; fired 3 guns; no indication on surface guns fired; POH w/guns; found wtr in 2nd gun from btm of string; dropped out gun sub; TIH fired 2 guns; no indication on surface guns fired; POH replacement gun arrived; installed gun back in string & ckd all wiring, CCL & rop socket; found moisture in rope socket; cut off line and re-tied rope socket; TIH fired 1st gun; saw slight indication of firing; pulled up hole to fire next gun; no indication of firing; pulled up hole to fire next gun- no indication of firing; Tim Jones w/HES AOL; pulled up to 4th gun; no indication of firing; POH LD guns and found resistor on 1st gun fired but did not set off charge; broke hole string down; found resistor on 2nd gun broken; installed new detonators on all guns; TOH fired 4 guns; good indication of firing on surface; fired 5th gun; no indication of firing; POH found 1st 4 guns fired and broken resistor on 5th gun; dropped out 4 fired guns and replaced detonator on 5th gun and re-ckd wiring; TIH fired 5th gun; good indication on surface; fired 6th gun; no indication of firing on surface; POH ordered different detonators from Odessa; waited 2 hrs for detonators; recharged guns; TIH fired last 5 guns; good indication of firing on surface; POH all guns fired; RD WL @ 11 p.m.; SDON
Est daily \$4900; Est Drlg \$895,854; Est Comp \$616,410; Est Tot \$1,512,264

09-24-09 AOL; frac 9th stage; pmpd 5316 Bbls Hybor G-R 15 x-linked gel carrying 172,409# 20/40 white Ottawa sd + 47,619# 20/40 CRC sd; MIP 3412#; AIP 2812#; MIR 82 BPM; AIR 80 BPM; ISIP 1156#; BLWTR 5316; total BLWTR 28,526; SIW turn over to WL; PU 5-1/2" CBP; TIH w/CBP to 7000'; attempted to correlate to CBL; tools stuck in sand; set CBP @ 7010'; POH w/tools to 6929'; OWU to try to flw sd past tools; tools still stuck; decided to pull out of rope socket, est. tools & 6931'; RD HES WL; ND frac stack and frac head; weld on bell nipple; install 5.5" X 2-7/8" Larkin tbg head; NU BOP; PU 3-1/8" grapple, 4-5/8" OS, 4-5/8" X 3' extension, 3 - 3/4" bumper jars, 3-3/4" accelerator jars, 6 - 3-1/2" DC's and x-over sub; TIH w/203 jts tbg; tag sd @ 6840'; RU rev unit and power swivel; CO sd to 6917'; circ well clean; POH w/10 jts tbg; SION; preparing to TIH CO sd; fish WL tools;
Est daily \$74,550 Est Drlg \$895,854; Est Comp \$690,960; Est Tot \$1,586,814

09-25-09 AOL; wshd dwn over WL tools; started out of hole; pulled 20k overstring wgt; jarred tools loose; POOH w/tbg & tools; LD tools & fishing tools; PU 4-5/8" 5 blade mill, 6 - DC's; TIH tbg top CBP; inst float sub; RU pwr swivel; SIW SDFWE; Est Daily Comp \$7860;
Est Drlg \$895,854; Est Comp \$698,820; Est Tot \$1,594,674

09-28-09 AOL; start DO CBP's; tg sd @ 6995'; CO sd; DO CBP @ 7000'; PU & TIH w/tbg; tg sd @ 7990'; CO sd; DO CBP @ 8010'; PU & TIH w/tbg; tg sd @ 8250'; CO sd; DO CBP @ 8280'; PU & TIH w/tbg; tg sd @ 8575'; CO sd DO CBP @ 8640'; PU & TIH w/tbg; tg sd @ 9177'; CO sd; DO CBP @ 9300'; circ well clean; POOH w/tbg above perfs; SIW SDFN; Est Daily Comp \$5850; Est Drlg \$895,854; Est Comp \$704,670; Est Tot \$1,600,524

09-29-09 AOL; 480 PSI csg; TIH w/mill, DC's & tbg; tg sd @ 9800'; CO sd & DO CBP @ 9840'; PU & TIH w/tbg; tg sd @ 10275'; CO sd & DO CBP @ 10,300'; PU & TIH w/tbg; tg sd @ 10,550'; CO sd & DO CBP @ 10,625'; PU & TIH w/tbg; tg sd @ 11,180'; CO sd to PBTD @ 11,350'; circ well clean; POOH w/tbg to float valve @ 6973'; SIW SDFN; Est Daily Comp \$8000; Est Drlg \$895,854; Est Comp \$714,670; Est Tot \$1,610,524

09-30-09 AOL Pumped 260 bbls. 10# brine to kill well. Finish POOH w/ tbg. Stood back 216 jts. L/D DC's. P/u bull plug, Super perf. Sub, TAC, rotating pkr., gas separator, S.N. TIH w/ 216 jts. Tbg. (7052). ND BOP Set TAC w/ 16k tension. TAC set @ 7090'. S.N. @ 7054. NU WH Unload 141 - 1" HS Tenarus rods, 172 - 7/8" HS Tenarus rods, 115 - 3/4" Tenarus rods. SIW SDFN Tomorrow: RIH w/ pump & rods; Est Daily Comp \$10,710; Est Drlg \$895,854; Est Comp \$725,380; Est Tot \$1,621,234

10-01-09 AOL P/u 25-150-RHBC-24-6-0 pump, 4 - 1.5" sinker bars, 1 - 26k shear tool, 110 - 3/4" rods, 86 - 7/8", 92 - 1" rods. NU WH Long stroke pump w/ PU. Good pump action. Hung rods on pumping unit. RD MO PU Tomorrow: Hook up flowline to test tank; Est Daily Comp \$36,200; Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-03-09 Pmpd 0 BO + 93 BW + 0 MCF

10-04-09 Pmpd 0 BO + 290 BW + 0 MCF; BLW 28,256; BLWR 383 (1%); BLWTR 27,873
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-05-09 Pmpd 0 BO + 383 BW + 0 MCF; BLW 28,256; BLWR 766 (3%); BLWTR 27,490
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-06-09 Pmpd 0 BO + 371 BW + 0 MCF; BLW 28,256; BLWR 1137 (4%); BLWTR 27,119
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-07-09 Pmpd 0 BO + 381 BW + 0 MCF; BLW 28,256; BLWR 1518 (5%); BLWTR 26,738
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-08-09 Pmpd 0 BO + 193 BW + 0 MCF; BLW 28,256; BLWR 1711 (6%); BLWTR 26,545
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-09-09 Pmpd 0 BO + 529 BW + 0 MCF

10-10-09 Pmpd 0 BO + 372 BW + 0 MCF

10-11-09 Pmpd 0 BO + 320 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 2932 (10%); BLWTR 25,324
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-12-09 Pmpd 13 BO + 349 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 3281 (12%); BLWTR 24,975
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-13-09 Pmpd 9 BO + 331 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 3612 (13%); BLWTR 24,644
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-14-09 Pmpd 0 BO + 348 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 3960 (14%); BLWTR 24,296
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-15-09 Pmpd 9 BO + 361 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 4321 (15%); BLWTR 23,935
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-16-09 Pmpd 8 BO + 360 BW + 0 MCF f/above perfs

10-17-09 Pmpd 12 BO + 393 BW + 0 MCF f/above perfs

Andrews University 29 #3 AFE: #90209/New Drig/\$1,673,000
CWEI GWI: 86%

10-18-09 Pmpd 20 BO + 312 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 5386 (19%);
BLWTR 22,870;
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-19-09 Pmpd 0 BO + 412 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 5798 (21%);
BLWTR 22,458;
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-20-09 Pmpd 28 BO + 345 BW + 0 MCF f/above perfs; FL = 6367' FOP; PIP = 2330 PSI;
BLW 28,256; BLWR 6143 (22%); BLWTR 22,113;
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-21-09 Pmpd 49 BO + 328 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 6471 (23%);
BLWTR 21,785;
Est Drlg \$895,854; Est Comp \$760,630; Est Tot \$1,656,484

10-22-09 Pmpd 76 BO + 252 BW + 0 MCF f/above perfs; turned into btry; BLW 28,256;
BLWR 6723 (24%); BLWTR 21,533

10-23-09 Pmpd 25 BO + 351 BW + 0 MCF f/above perfs

10-24-09 Pmpd 27 BO + 344 BW + 0 MCF f/above perfs

10-25-09 Pmpd 25 BO + 356 BW + 0 MCF f/above perfs; BLW 28,256; BLWR 7774 (28%);
BLWTR 20,482

10-26-09 Pmpd 35 BO + 210 BW + 0 MCF f/above perfs; FL = 5442' FOP; PIP = 2002 PSI;
BLW 28,256; BLWR 7984 (28%); BLWTR 20,272