

SAMSON 8-5(SPRABERRY/TREND)*DESTA #7****ANDREWS CO., TX**

AFE# 101290

SPUD DATE: 12/11/10

API: 42-003-42194

Prop Num: 76970-005

12/11/10

PO: RU & PREP TO SPUD, DRILL F/60'-367'. MW 8.5; VIS 32

CWC \$169,186

12/12/10

DAS 1; **PD 450'**; PO: DRILL F/367'-450', CIRC & COND HOLE, TOH. RUN SURFACE CSG & CMT, CUT OFF, WELD ON HEAD & TEST. NU BOP, TEST, TIH W/BIT #2, CHANGE OUT KELLY. MW 8.5; VIS 33

CWC \$199,615

12/13/10

DAS 2; **PD 1835'**; PO: CUT OFF DL, DRILL CMT F/415'-450', DRILL F/450'-1835'. MW 8.6; VIS 32

CWC \$214,413

12/14/10

DAS 3; **PD 2971'**; PO: DRILL F/1835'-2971'. MW 10; VIS 29

CWC \$250,848

12/15/10

DAS 4; **PD 4140'**; PO: DRILL F/2971'-4140'. MW 10; VIS 29

CWC \$269,932

12/16/10

DAS 5; **PD 4962'**; PO: DRILL F/4140'-4962'. MW 10; VIS 29

CWC \$403,253

12/17/10

DAS 6; **PD 4998'**; PO: DRILL F/4962'-4998' (TD), CIRC & COND, DROP TOTCO, TOH F/INT CSG. RUN 120 JTS 8.625" CSG & WAIT ON CMT.

CWC \$431,273

12/18/10

DAS 7; **PD 5459'**; PO: CMT CSG, ND BOP, SET SLIPS, CUT OFF CSG, INSTALL B-SECTION, NU BOP & TEST BLIND RAMS. TIH, LD 5 JTS DP, TAG @ 4952', TEST BOP & RAMS. DRILL CMT, PLUG & SHOE, DRILL F/4998'-5459'. MW 8.4; VIS 28

CWC \$478,840

12/19/10

DAS 8; **PD 6851'**; PO: DRILL F/5459'-6851'. MW 8.4; VIS 28

CWC \$493,405

12/20/10 10

DAS 9; **PD 7862'**; PO: DRILL F/6851'-7862'. MW 8.4; VIS 28

CWC \$507,452

12/21/10

DAS 10; **PD 8906'**; PO: DRILL F/7862'-8906'. MW 8.4; VIS 28

CWC \$525,369

12/22/10

DAS 11; **PD 9698'**; PO: DRILL F/8906'-9698'. MW 8.4; VIS 28

CWC \$538,867

12/23/10

DAS 12; **PD 10391'**; PO: DRILL F/9698'-10391'. MW 8.5; VIS 38; FL 10

CWC \$749,270

12/24/10

DAS 13; **PD 10455'**; PO: DRILL F/10391'-10455', DROP TOTCO, TOH F/BIT #3. MU BIT #4, TIH, CUT 100' DL, TIH W/DP. MW 8.5; VIS 38; FL 10

CWC \$773,747

12/25/10

DAS 14; **PD 10762'**; PO: FINISH TIH W/BIT #4, TAG @ 10353', PU KELLY, BREAK CIRC. W & R T/BTM, DRILL F/10455'-10762'. MW 8.7; VIS 38; FL 10

CWC \$805,866

12/26/10

DAS 15; **PD 11030'**; PO: DRILL F/10762'-11030'. MW 8.7; VIS 35; FL 18

CWC \$819,364

12/27/10

DAS 16; **PD 11181'**; PO: DRILL F/11030'-11181', PMP SWEEP, CIRC BTMS UP, TOH F/BIT #4. MW 8.8; VIS 34; FL 2

CWC \$851,640

12/28/10

DAS 17; **PD 11231'**; PO: TOH F/BIT #4, INSPECT REAMERS. MU BIT #5, TIH, REPAIR #1 FLOOR MTR. FINISH
TIH – TAG @ 11104', LD 2 JTS DP, W&R F/11104'-11181'. DRILL F/11181'-11231'. MW 8.8; VIS 34; FL 5
CWC \$871,017

12/29/10

DAS 18; **PD 11417'**; PO: DRILL F/11231'-11417'. MW 8.7; VIS 38; FL 8
CWC \$892,218

12/30/10

DAS 19; **PD 11435'**; PO: DRILL F/11417'-11435', PMP SWEEP, SPOT PILL ON BTM, DROP TOTCO, TOH. LOG @
11364'. MW 8.7; VIS 38; FL 4
CWC \$912,316

12/31/10

DAS 20; **PD 11435'**; PO: RUN E LOGS, WASH T/BTM, PMP SWEEP, CIRC, LDDP. MW 8.7; VIS 36; FL 4
CWC \$925,814

1/1/11

DAS 21; **PD 11435'**; PO: RUN 5.5 CSG & CMT – RD – RELEASE RIG @ 6:00.
CWC \$996,376

1/2-3/11

DAS 22-23; **PD 11435'**; PO: RD & MOVE.
CWC \$1,010,104

Samson University 8 #5

AFE: #101290/New Drlg/\$2,055,300/CWEI GWI: 60%

API: #42-003-42194

- 01-12-11 Blade and restore location. Install surface valves and fill in cellar. Set safety anchors. MIRU Halliburton wireline and pump trk. RIH with logging tools and tagged PBTD at 11,323'. Pressure up on csg to 1,000#. POH and ran Radial cement bond log w/gamma ray and CCL from 11,323' to 3,700'. Est. cement top at 4,094'. POH and RD wireline and trk; Est Daily Comp \$9593
Est Drlg \$1,010,104; Est Comp \$9593; Est Tot \$1,019,697
- 01-13/16-11 Ready to pickle & spot; Est Daily Comp \$254,400
Est Drlg \$1,010,104; Est Comp \$263,993; Est Tot \$1,274,097
- 01-17/18-11 Ready to pickle & spot
Est Drlg \$1,010,104; Est Comp \$254,993; Est Tot \$1,265,097
- 01-19-11 MIRU Key well service. Move in pipe racks, catwalk, and global pickup/laydown machine. Unload, rack, and tally 377 jts of 2 7/8" 6.5# L-80 8rd EuE tbgs. ND wellhead and NU BOP. Pick up and RIH with 4 5/8" bit and 185 jts of 2 7/8" tbgs. Close well in and shut down; Est Daily Comp \$80,070
Est Drlg \$1,010,104; Est Comp \$335,063; Est Tot \$1,345,167
- 01-20-11 Key Rig RIH 2 7/8 TBG and tag @ 11367 with 374 JTS (3 JTS left out). Halliburton RU and test casing to 4800lbs (tested good). POOH 1 joint and pickle 500ga of xylene and 500ga 15% HCL. POOH 18 JTS and spot 10% Acetic acid @ 10795, a total of 21 tjs out at this point. RD Halliburton. POOH 29 JTS and shut in well; Est Daily Comp \$17,000
Est Drlg \$1,010,104; Est Comp \$284,063; Est Tot \$1,294,167
- 01-21-11 Key Rig; POOH & LD 324 jts 2-7/8" tbgs; ND BOP & NU WH; RD PU; ready to frac; Est Daily Comp \$5500
- 01-22/31-11 Ready to frac
Est Drlg \$1,010,104; Est Comp \$289,563; Est Tot \$1,299,667
- 02-16-11 ND 7 1/16" x 5k prod. Head & NU 7 1/16" x 10k frac stack. MI RU HES wireline; P/u perf guns; TIH & perforate 10,817'-10,822', 10,677'-10,680' w/ 6 jspfs. RD MO HES wireline. Ready to frac 2-17-11; Est Daily Comp \$1600
Est Drlg \$1,010,104; Est Comp \$291,163; Est Tot \$1,301,267
- 02-17-11 AOL @ 1.00 pm for 10 stage frac. Blender broken- wait for e-tech to come from yard and repair.
Stage 1:
Begin pumping @ 7.30 pm. Pumped 69,346 gal total fluid. Spearheaded 2000 gal 15% HCL and went to pad. Could not establish frac rate. Pick up 5000 gal 15% HCL and go to pad. Pumping 52 bpm @ 6000 psi. Pick up acid spot and go to flush. Average rate = 43.6 bpm @ 5577 psi. ISIP = 3240 psi.
Stage 2:
TIH w/ CBP and perf guns. Set plug @ 10,570' and perf 10,280'-10,546 (48 holes). TOH. Flush acid w/ 2659 gal and SDFD
Est Drlg \$1,010,104; Est Comp \$291,163; Est Tot \$1,301,267
- 02-18-11 Stage 2 cont'd:
Begin pumping @ 6.00 am. Pumped 96,562 gal total fluid, 6016 gal 15% HCL, and 5164 lbs of 20/40 China Prop. Average pressure = 5534 psi @ 57.8 bpm. ISIP = 2951 psi. During pad, dropped 2500 lbs @ 0.5 ppg and pressure increased when sand hit bottom. Dropped rate from 60 bpm to 55 bpm and dropped another 2500 lbs. Pressure increased once sand on bottom. Pumped 4000 gal 15% HCL into formation and went to flush.
Stage 3:
TIH w/ CBP and perf guns. Set plug @ 9820'. First gun would not fire. TOH and found frayed cable at rope socket. Re-head and TIH. Perf 9690'-9779' (70 holes). TOH. Begin pumping @ 9.50 am. Pumped 89,978 gal and 41,809 lbs of 20/40 China Prop. T-belt quit working on 1.5 ppg. Flush well (no acid) and fix t-belt. Restart stage @ 10.45 am and pumped an additional 126,711 gal total fluid, 2013 gal 15% HCL, 100,489 lbs of 20/40 China Prop and 43,586 lbs of 20/40

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SLC. (216,689 gal total and 185,884 lbs total sand). Average pressure = 4478 psi @ 70.3 bpm. ISIP = 2488 psi.

Stage 4:

TIH w/ CBP and perf guns. Set plug @ 9598' and perf 9338'-9578' (70 holes). TOH and wait for t-belt replacement. Begin pumping @ 1.10 pm. Pumped 158,172 gal total fluid, 1987 gal 15% HCL, 187,832 lbs 20/40 Ottawa, and 26,115 lbs 20/40 SLC (213,947 lbs total). Average pressure = 3866 psi @ 64.3 bpm. ISIP = 3866 psi.

Stage 5:

TIH w/ CBP and perf guns. Set plug @ 9280' and perf 9124'-9240' (60 holes). TOH. Begin pumping @ 3.25 pm. Pumped 54,330 gal total fluid, 2005 gal 15% HCL, and 31,593 lbs 20/40 Ottawa. Average pressure = 4478 psi @ 70.3 bpm. ISIP = 846 psi.

Stage 6:

TIH w/ CBP and perf guns. Set plug @ 8960' and test to 1500 psi. Perf 8632'-8921' and TOH. Begin pumping @ 5.05 pm. Pumped 161,275 gal total fluid, 2006 gal 15% HCL, 169,881 lbs of 20/40 Ottawa, and 50,446 lbs of 20/40 SLC (220,327 lbs total). Average pressure = 2931 psi @ 64.4 bpm. ISIP = 1058 psi.

Stage 7:

TIH w/ CBP and perf guns. Set plug @ 8540' and perf 8312'-8497' (66 holes). TOH. Flush acid w/ 4279 gal fluid and SDFW

02-21-11

Stage 7 cont'd:

Begin pumping @ 6.10 am. Pumped 120,286 gal total fluid, 2040 gal 15% HCL, 118,123 lbs of 20/40 Ottawa, and 18,003 lbs of 20/40 SLC (136,126 lbs total). Average pressure = 3584 psi @ 63.5 bpm. ISIP = 1150 psi.

Stage 8:

TIH w/ CBP and perf guns. Set plug @ 8150' and perf 7820'-7896' (70 holes). TOH. Begin pumping @ 8.00 am. Pumped 107,697 gal total fluid, 3008 gal 15% HCL, 98,065 lbs 20/40 Ottawa, and 38,598 lbs 20/40 SLC (136,663 lbs total). Average pressure = 4784 psi @ 52.2 bpm. Zone was treating high. Spearheaded 1000 gal 15% HCL after pumping about 5000 gal pad. Ran spacer and went back to pad. Dropped 0.5 ppg slug during second pad and reduced tortuosity. Modified sand schedule- pumped additional 0.5 ppg before getting back on schedule.

Stage 9:

TIH w/ CBP and perf guns. Set plug @ 7950' and perf 8018'-8082' (70 holes). TOH. Begin pumping @ 9.55 am. Pumped 104,349 gal total fluid, 1996 gal 15% HCL, 110,282 lbs 20/40 Ottawa, and 65,216 lbs 20/40 SLC (175,499 lbs total). Average pressure = 3116 psi @ 62.6 bpm.

Stage 10:

TIH w/ CBP and perf guns. Set plug @ 7760' and perf 7510'-7736' (70 holes). TOH. Begin pumping @ 11.35 am. Pumped 158,537 gal total fluid and 232,743 lbs 20/40 Ottawa. Average pressure = 2960 psi @ 66.4 bpm.

TIH w/ CBP and set cap plug @ 6500'. RDMO all equipment.

BLWTR = 29,694 bbls; Est Daily Comp \$542,000

Est Drlg \$1,010,104; Est Comp \$833,163; Est Tot \$1,843,267

02-22-11

AOL 9:00 am. Set rig mat. RU PU. ND frac head. Weld bell nipple on 5-1/2 csg. NU well head NU BOP. Set racks, catwalk. Moved tbg to racks. Pulled protectors, tally tbg. Ran 4-5/8 hurricane bit, pump open sub, 183 jts 2-7/8 L80 8rd tbg. CWI SD 6:30 pm; Est Daily Comp \$11,800

Est Drlg \$1,010,104; Est Comp \$844,963; Est Tot \$1,855,067

02-23-11

AOL 7:00 am. Ran 31 stands 2-7/8 L80 tbg. Tag @ 6480' c/o 20' sand. DP @ 6500'. RT. Tag @ 7720' c/o 45' sand. DP #2 7765'. RT. Tag @ 7880' c/o 70' sand. DP #3 @ 7950'. Well flowing 3-4 bpm. RT. Tag @ 8090' c/o 60' sand. DP

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#4 @ 8150'. RT. Tag sand @ 8490'. Pulled 19 stands. CWI SD 6:00 pm. Recovered an estimated 1500 bbls; Est Daily Comp \$12,600
Est Drlg \$1,010,104; Est Comp \$857,563; Est Tot \$1,867,667

02-24-11 AOL 7:00 am. Ran 19 stands 2-7/8 tbg. Tag @ 8497' c/o 70' sand. Having problems making connections due to wind. Pulled 20 stands. CWI SD 10:30 pm. Recovered an estimated 1000 bbls; Est Daily Comp \$8350
Est Drlg \$1,010,104; Est Comp \$865,913; Est Tot \$1,876,017

02-25-11 AOL 7:00 am. Ran 20 stands. DP @ 8560'. RT. Tag @ 8910' c/o 40' sand. DP #6 @ 8950'. RT. Tag @ 9240' c/o 50' sand. DP #7 @ 9290'. Well flowing 5-6 bpm. RT. Tag @ 9550' c/o 50' sand. DP #8 @ 9600'. RT. Tag @ 9740' c/o 80' sand. DP #9 @ 9820'. Pressure holding up tbg. Let well set 2 hr trying to equalize. Pulled 39 stands. CWI SD 5:30 pm. Estimated recovery 2400 bbls; Est Daily Comp \$10,350

02-26/27-11 SDFWE; Est Daily Comp \$3600
Est Drlg \$1,010,104; Est Comp \$879,863; Est Tot \$1,889,967

02-28-11 AOL 7:00 am. Ran 39 stands 2-7/8 tbg. PU 24 jts. Tag @ 10540' c/o 30' sand. DP #10 @ 10570'. RT. Tag TD @ 11360' kb. Circulate clean. Pull and LD 131 jts. Left 246 jts. in hole (7464'). Land tbg on flange on BOP. Dropped ball. Open sub 1700 psi. Well flowing 3-4 bpm. CWI SD 6:30 pm. Estimated recovery 2500 bbls; Est Daily Comp \$10,250
Est Drlg \$1,010,104; Est Comp \$890,113; Est Tot \$1,900,217

03-01-11 AOL 7:00 am. Moved tbg, racks and catwalk off loc. NU well head to frac tanks. RD PU. Open well on 32/64 choke. 10:30 am. Well flowed 800 bbls to frac tank 9 hrs; Est Daily Comp \$5350
Est Drlg \$1,010,104; Est Comp \$895,463; Est Tot \$1,905,567

03-02-11 Flwd 1000 Bbls to frac tnk in 24 hrs; Est Daily Comp \$3650
Est Drlg \$1,010,104; Est Comp \$899,113; Est Tot \$1,909,217

03-03-11 Flwd 900 Bbls to frac tnk in 24 hrs; Est Daily Comp \$4250
Est Drlg \$1,010,104; Est Comp \$903,363; Est Tot \$1,913,467

03-04-11 Flwd 1000 Bbls to frac tnk in 24 hrs; Est Daily Comp \$3450

03-05-11 Flwd 400 Bbls to frac tnk in 24 hrs; Est Daily Comp \$1750

03-06-11 Flwd 480 Bbls to frac tnk in 24 hrs; Est Daily Com \$2550
Est Drlg \$1,010,104; Est Comp \$911,113; Est Tot \$1,921,217

03-07-11 Flwd 80 Bbls to frac tnk in 24 hrs; Est Daily Com \$1750

03-08-11 Flwd 60 Bbls to frac tnk in 24 hrs; Est Daily Comp \$2050
Est Drlg \$1,010,104; Est Comp \$914,913; Est Tot \$1,925,017

03-09-11 MIRU PU @ 12pm; RU KT; kill well w/40 Bbls brine wtr; POOH w/246 jts tbg, sub & hurricane bit; SIW SDFN; Est Daily Comp \$3800
Est Drlg \$1,010,104; Est Comp \$918,713; Est Tot \$1,928,817

03-10-11 AOL @ 7:00 a.m. Blew well down; RU kill truck; Pumped 30 bbls. Brine; RD kill truck; TIH w/ tbg. ND BOP NU WH; Set TAC w/ 18k tension. Prep to run rods; Removed thd protectors; P/u pump & rods. Tbg: 244 jts. 2 7/8" L80 8rd eue(7391.79'), 1 - 2 7/8" S.N.1.10' set @ 7407.79' kb), 1 - 2 7/8" x 2 3/8" x-over(0.38"), 1 2 3/8" Gas Sperator(39.0'), 1 - 2 3/8" x 2 7/8" x-over(0.38'), 1 - CPR rotating pkr.(1.50'), 1 - 2 7/8" x 5 1/2" TAC(2.80' set @ 7451.85' kb), 1 - 2 7/8" Super perf(4.00'), 1 - 2 7/8" BPMA(30.39'). SIW SDFN; Est Daily Comp \$47,400
Est Drlg \$1,010,104; Est Comp \$966,113; Est Tot \$1,976,217

03-11-11 AOL @ 7:00 a.m. Finsih TIH w/ rods. NU WH to flowline; Wait 2 hrs. f/ Tesso to hook up electricity. Roll unit over; Hang rods on unit & spaced out. RDMO PU No test tanks; Left well off. Turned over to Production. Final Report Rods: 1 - 1 1/2" x 26' Chrome lined PR, 1- 1" x 4' HS pony, 1 - 1" x 6' HS pony, 1 - 1" x 8' HS pony, 92 - 1" HS rods w/ SHT couplings, 87 - 7/8" HS rods w/ FST couplings, 110 - 3/4" HS rods w/ FST couplings, 4 - 1 1/2" k-bars, 1 - 3/4" x 1' lift sub, 1 - On-Off

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API: #42-003-42194

Tool. Pump: 2 1/2x1 1/2x24 RXBC w/ HVR w/ wipers & Alt. pattern T/C B&S; Est
Daily Comp \$5350

Est Drlg \$1,010,104; Est Comp \$971,463; Est Tot \$1,981,567