

11-04-09 RU PU; set hydra-walk & pipe racks; unload 351 jts 2-7/8" L-80 tbg; PU 4-5/8" bit, 6 - 3-1/2" DCs, 200 jts tbg; tgd @ 7368'; CWI SDFN; Est Daily Comp \$9068; Est Drlg \$721,439; Est Comp \$9068; Est Tot \$730,507

11-05-09 PU swivel; drld 120' cmt; tgd DV tool @ 7515'; drld DV tool; PU rest of tbg off rack; tgd btm @ 11,330'; LD 1 jt tbg; pickle well; RU Halliburton; pmpd 500 gal Zylene, 5 BW, 500 gals NEFE 15% HCL acd; circ clean w/300 BFW; spot 1000 gals 10% acetic acd @ 11,117'; CWI SDFN; Est Daily Comp \$17,018; Est Drlg \$721,439; Est Comp \$26,086; Est Tot \$747,525

11-06-09 Press tst well to 4500 PSI 10-05; pull & LD tbg, DCs & bit; removed BOP; clean loc; ready to RD PU; Est Daily Comp \$6518; Est Drlg \$721,439; Est Comp \$32,604; Est Tot \$754,043

11-09-09 RD PU; move tbg, racks & hydro walk off loc; Est Daily Comp \$1100; Est Drlg \$721,439; Est Comp \$33,704; Est Tot \$755,143

11-10-09 MIRU Halliburton wireline and pump trk. RIH with logging tools and tagged PBTD at 11,325'. Pressure up on csg to 1,000#. POH and ran Compensated spectral gamma ray, compensated neutron log, and cement bond log w/Gamma ray and CCL from PBTD at 11,325' to 3800'. Est. cement top at 4010'. POH and layed down logging tools. RDMO H.E.S. and trk; Est Daily Comp \$9700; Est Drlg \$721,439; Est Comp \$42,304; Est Tot \$763,743

11-11-09 SI; WO frac Monday, 11/16; Est Drlg \$721,439; Est Comp \$42,304; Est Tot \$763,743

11-12-09 AOL Nu 7 1/16" x 10k frac stack. RU HES Wireline. P/u perforating guns. TIH & perforate 11,120'-11,160'; 11,180'-11,186' w/ 2 jsfp. POOH RD HES Wireline. SIW Est Drlg \$721,439; Est Comp \$42,304; Est Tot \$763,743

11-16-09 MIRU Halliburton pumping service and wireline. Stage #1 Breakdown formation 3785# at 4 bpm, increased rate and pumped 15000 gals of 15% HCL acid, in 5000 gal stages with a 5000 gal gel stage in between. Dropped 1 ball for every 150 gals of acid. (100 total balls). Overflushed with 2000 gals of treated water. Spot acid with flush. ISIP-3589#, max psi.-5332#, avg.psi.- 5035#, max rate - 46 bpm, avg rate-41 bpm, total load to recover-1015-bbls. ND frac and RU WL. Stage #2 RIH and set composite plug at 11050'. Pull up and perforated 10855'-10858' - 2 spf, 10928'-10931' - 2 spf, 10950'-10953' - 3 spf, and 10994'-11000' - 3 spf - 41 total holes. :POH and RD WL and NU frac. Breakdown formation 5408# - 4 bpm, increased rate, spearheaded 2000 gals of 15% HCL acid and pumped 1908-bbls of x-linked gel carrying 41,800# of 20/40 super LC sand, staged from 1/2# to 1 1/2#. Increase in BHP pressure forced early flush. Spotted acid with flush. ISIP-4721#, max psi.-6306#, acg psi.-5939#, max rate-42 bpm, avg rate-35 bpm, total load to recover-1908-bbls. ND frac and RU WL. Stage #3 RIH and set plug at 10350'. Pull up and perforated in 2 runs at 10286'-10288' - 1spf , 10245'-10250' - 1 spf, 10214'-10217' - 1 spf, 10098'-10108' - 3 spf, 10064'-10068' - 2 spf, 10031'-10036' - 2 spf - 60 total holes. POH and RD WL and NU frac. Breakdown formation at 4755# - 4 bpm, increased rate and pumped 20000 gals of 15% HCL acid in 5000 gal stages, with 5000 gal x-linked gel stages in between acid. Dropped 4 ball sealers in every 1000 gals of acid. Good ball action, with 6300# ball out in last acid stage. Surged balls off and completed overflush. Spotted acid with flush. ISIP-1781#, max psi.-6217#, avg psi.-5091#, max rate-62 bpm, avg rate-52 bpm. Total load to recover - 1196-bbls. ND frac and RU WL. Stage #4 RIH and set plug at 9900'. Tested plug to 2500#. Held ok. Pull up and perforated 9525'-9531' - 4 spf, 9646'-9649' - 1 spf, 9658'-9662' - 2 spf, 9736'-9739' - 2 spf - 41 total holes. POH and RD WL. NU frac. Breakdown formation at pumped 2009-bbls of x-linked gel carrying 69232# of 20/40 Ottawa sand and 13368# of 20/40 super LC sand, staged from 1/2# to 3#. Spotted acid with flush. ISIP-1680#, max psi.-4553#, avg psi.-4194#, max rate-84 bpm, avg rate-79 bpm, TLTR - 2009-bbls. ND frac and RU WL. Stage #5 RIH and set plug at 9400'. Pull up and perforated from 8969'-8974' - 3 spf, 9022'-9025' - 1 spf,

9074'-9077' - 4spf, and 9200'-9205' - 2spf , 40 total holes. POH and RD WL .
Shut down for day.

Est Drlg \$721,439; Est Comp \$42,304; Est Tot \$763,743

11-17-09

Stage #5 cont.

Breakdown formation at 2375# at 4 bpm, increased rate and pumped 2140-bbls of x-linked gel carrying 64890# of 20/40 ottawa sand and 42410# of super LC sand, staged from 1# to 3#. Spotted acid with flush. ISIP-1036#, max psi. - 3754#, avg psi. - 3311#, max rate-80 bpm, avg rate-74 bpm, total load to recover-2140-bbls. ND frac and RU WL.

Stage #6

RIH and set plug at 8500'. Pull up and perforate 8130'-8133' - 2spf, 8160'-8165' - 4spf, 8192'-8195' - 2 spf, 8214'-8216' - 2 spf, and 8236'-8238' - 2spf - 40 total holes. POH and RD WL and NU Frac. Breakdown formation 4793# at 4 bpm, increased rate and pumped 2486-bbls of x-linked gel carrying 71,781# of 20/40 ottawa sand and 58,019# of super LC sand, staged from 1# to 3#. Spotted acid with flush. ISIP-869#, max psi.-2888#, avg psi.-2294#, max rate - 74 bpm, avg.rate-71 bpm. Total load to recover - 2846 - bbls. ND frac and RU WL.

Stage #7

RIH and set plug at 8116', pull up and perforated at 8000'-8003' - 3 spf, 8080'-8095' - 2spf - 39 total holes. POH and RD WL and NU frac. Breakdown formation at 1846# - 4 bpm, increased rate and pumped 2875-bbls of x-linked gel, carrying 106,386# of 20/40 ottawa and 35,914# of 20/40 super LC sand, staged from 1# to 4#. Spotted 2000 gals of 15% HCL acid with flush. ISIP-941#. Max psi.-3148#, avg. psi.-2637#, max rate-78 bpm, avg rate - 75 bpm. Total load to recover - 2875-bbls. ND frac and RU WL.

Stage #8

RIH and set plug at 7990'. Tested plug to 2000#. Held ok. Pull up and perforate from 7967'-7976' - 2 spf, 7890'-7893' - 2 spf, and 7856' - 7861' - 3spf, 39 total holes. POH and RD WL and NU frac. Breakdown formation and pumped 4428-bbls of x-linked gel carrying 199,513# of 20/40 ottawa and 29,387# of super LC sand, staged from 1# to 5#. Spotted acid with flush. ISIP-989#, max psi.-3324#, avg. psi.-3001#, max rate-78 bpm, avg rate-76 bpm, total load to recover - 4428-bbls. ND frac and RU WL.

Stage #9

RIH and set plug at 7810', Pull up and perforate 7640'-7646' - 2spf, 7692'-7697' - 3spf, 7774'-7780' - 2 spf - 39 total holes. POH and RD WL, NU frac.Breakdown formation and pumped 4550-bbls of x-linked gel carrying 198,284# of 20/40 ottawa and 53,616# of 20/40 super LC sand, staged from 1# to 5#. Spotted acid with flush. ISIP-1105#, max psi.-3959#, avg psi.-3571#, Max rate-81 bpm, avg rate-80 bpm, total load to recover - 4550-bbls. ND frac and RU WL.

Stage #10

RIH and set plug at 7594'. Pull up and perforated 7356'-7358' - 2spf, 7370'-7372' - 2spf, 7384'-7394' - 2spf, 7474'-7476' - 1spf, 7518'-7523' - 1spf , 7566' - 7568' - 1spf, and 7580' - 7582' - 1 spf - 39 total holes. POH and RD WL and NU frac. Breakdown formation - 3400# at 4 bpm, increased rate and pumped 2955 - bbls of x-linked gel, carrying 118516# of 20/40 ottawa and 51084# of 20/40 Super LC sand, staged from 1# to 4#. Flushed to 6800' with 158-bbl of treated water. ISIP-1349 , max psi.- 3990#, avg psi.-3496#, max rate - 78 bpm, avg rate-77 bpm, total load to recover - 2955 - bbls. ND frac and RU WL.

RIH and set cap plug at 6500'. POH and RD WL. Bleed off pressure. RDMO Halliburton pumping and wireline; Total load to recover all stages - 25,566-bbls; Total sand all stages. -1,153,010#; Est Daily Comp \$352,502; Est Drlg \$721,439; Est Comp \$397,206; Est Tot \$1,118,645

11-21-09

Moved rig; Rigged up PU; Set pipe racks and catwalk; Moved tbg on racks; Tallied tbg and drill collars; PU 4-5/8 bit and 6 3-1/2 drill collars, 1 jt 2-7/8 tbg; Closed well in; Shut down. Est Daily Comp \$3,100;

11-23-09 Est Drlg \$721,439; Est Comp \$400,306; Est Tot \$1,121,745
Picked tbg up from rack; Tagged plug @ 7465'; Drilled plug; well flowing 5 bbls per min; Ran tbg; tagged @ 7572'; Plug @ 7590'; Well flowing 5-6 bbls per min; Ran tbg; Tagged @ 7702'; 112' of sand; Plug @ 7814'; Drilled plug; Tagged sand @ 7979'; Washed sand to plug @ 7790'; Pulled 10 stands; Closed well in; SD Est Daily Comp \$5,518;

11-24-09 Est Drlg \$721,439; Est Comp \$405,824; Est Tot \$1,127,263
Ran 10 stds 2-7/8" tbg; drld plug @ 7990'; ran tbg to 8046'; wshd sd to 8110'; drld plug; well flwg 5-6 BPM; tgd @ 8417'; wshd sd to plug @ 8505'; tgd @ 9386'; plug @ 9400'; well flwg 6-7 BPM; tgd @ 9970'; wshd sd & tgd plug @ 10,001'; pushing plug; tgd sd @ 10,343'; wshd sd to 10,353'; drld on plug; lot of press under plug; holding up tbg string; pmpd 100 Bbls brine; pulled 46 stds; CWI SD; Est Daily Comp \$10,618;

11-25-09 AOL; ran 46 stds 2-7/8" tbg; tgd plug @ 10,353'; fin drlg plug; ran tbg; tgd plug @ 10,996'; wshd sd; plug @ 11,051'; drld plug; tgd btm @ 11,327'; circ 20 mins; pulled & LD 117 jts 2-7/8" tbg; std back 16 stds; CWI SD; Est Daily Comp \$9118; Est Drlg \$721,439; Est Comp \$425,560; Est Tot \$1,146,999

11-30-09 AOL; start pmpg brine wtr to kill well; pmpd 300 Bbls brine; pulled 15 stds 2-7/8" tbg; well started flwg; circ 200 Bbls brine dwn tbg & out csg; pulled 30 stds 2-7/8" tbg; well flwg again; circ 200 Bbls brine dwn tbg; ran 30 stds back in hole; well started flwg again; lay FL to TT; inst chk on well; OW to TT; SDFN; Est Daily Comp \$5468;

12-01-09 Est Drlg \$721,439; Est Comp \$431,028; Est Tot \$1,152,467
AOL; well flwd overnight; flw 1000 BW; still flwg this am; too wet torun sub pmp; pmp 30 Bbls brine dwn tbg; inst float & tbg stripper; ran 15 stds 2-7/8" tbg; stopped above perfs; left well open to frac tnks; SDFN; Est Daily Comp \$4718; Est Drlg \$721,439; Est Comp \$431,028; Est Tot \$1,152,467

12-02-09 Well flowed 290 bbls overnight to test tank; AOL. Pumped 240 bbls brine water to kill well. Pulled 112 stands 2-7/8" tbg. Lay down 6 3-1/2" drill collars and bit. Pulled BOP and flange. Install new flange and BOP. Ran 1 stand sand screen, sub pump(75') and 222 jts 2-7/8" tbg. Pulled BOP and installed well head. Land tbg, bottom of pump @ 7330'. Intake of pump @ 7399'. Closed well in. Shut down for night; Est Daily Comp \$6218;

12-03-09 Est Drlg \$721,439; Est Comp \$441,964; Est Tot \$1,163,403
AOL. Hooked up wellhead. Turn on sub pump (10:32 am). Rigged down pulling unit. Moved racks and catwalk; Est Daily Comp \$1900; Est Drlg \$721,439; Est Comp \$443,864; Est Tot \$1,165,403

12-04-09 Pmpd 0 BO + 835 BW + 0 MCF

12-05-09 Pmpd 0 BO + 627 BW + 0 MCF

12-06-09 Pmpd 0 BO + 582 BW + 0 MCF
BLW 25,566; BLWR 2044 (8%); BLWTR 23,522
Est Drlg \$721,439; Est Comp \$443,864; Est Tot \$1,165,303

12-07-09 Pmpd 0 BO + 637 BW + 0 MCF
BLW 25,566; BLWR 2681 (10%); BLWTR 22,885
Est Drlg \$721,439; Est Comp \$443,864; Est Tot \$1,165,303

12-08-09 Pmpd 0 BO + 600 BW + 0 MCF
BLW 25,566; BLWR 3281 (13%); BLWTR 22,285

12-09-09 Pmpd 0 BO + 721 BW + 0 MCF w/sub pmp f/above perfs
BLW 25,566; BLWR 4002 (16%); BLWTR 21,564

12-10-09 Pmpd 0 BO + 769 BW + 0 MCF w/sub pmp f/above perfs

12-11-09 Pmpd 0 BO + 797 BW + 0 MCF w/sub pmp f/above perfs

12-12-09 Pmpd 0 BO + 768 BW + 0 MCF w/sub pmp f/above perfs

12-13-09 Pmpd 0 BO + 698 BW + 0 MCF w/sub pmp f/above perfs
BLW 25,566; BLWR 7034 (28%); BLWTR 18,532

12-14-09 Pmpd 0 BO + 541 BW + 0 MCF w/sub pmp f/above perfs; intake press 1721
BLW 25,566; BLWR 7575 (30%); BLWTR 17,991

12-15-09	Pmpd 9 BO + 576 BW + 0 MCF w/sub pmp f/above perfs; intake press 1377 BLW 25,566; BLWR 8151 (32%); BLWTR 17,415
12-16-09	Pmpd 17 BO + 460 BW + 0 MCF w/sub pmp f/above perfs; intake press 1249 BLW 25,566; BLWR 8611 (34%); BLWTR 16,955
12-17-09	Pmpd 18 BO + 501 BW + 0 MCF w/sub pmp f/above perfs; intake press 1249 BLW 25,566; BLWR 9112 (36%); BLWTR 16,454
12-18-09	Pmpd 15 BO + 343 BW + 0 MCF w/sub pmp f/above perfs; intake press 1014
12-19-09	Pmpd 20 BO + 472 BW + 0 MCF w/sub pmp f/above perfs; intake press 918
12-20-09	Pmpd 18 BO + 450 BW + 0 MCF w/sub pmp f/above perfs; intake press 814 BLW 25,566; BLWR 10,377 (41%); BLWTR 15,189
12-21-09	Pmpd 28 BO + 322 BW + 0 MCF w/sub pmp f/above perfs; intake press 729 BLW 25,566; BLWR 10,699 (42%); BLWTR 14,867
12-22-09	Pmpd 30 BO + 549 BW + 0 MCF w/sub pmp f/above perfs; intake press 687
12-23-09	Pmpd 40 BO + 268 BW + 0 MCF w/sub pmp f/above perfs; intake press 679
12-24-09	Pmpd 7 BO + 336 BW + 0 MCF w/sub pmp f/above perfs; intake press 604
12-25-09	Pmpd 23 BO + 366 BW + 0 MCF w/sub pmp f/above perfs; intake press 545
12-26-09	Pmpd 28 BO + 384 BW + 0 MCF w/sub pmp f/above perfs; intake press 501
12-27-09	Pmpd 21 BO + 472 BW + 0 MCF w/sub pmp f/above perfs BLW 25,566; BLWR 13,074 (51%); BLWTR 12,492
12-28-09	Pmpd 15 BO + 219 BW + 0 MCF w/sub pmp f/above perfs; intake press 465 BLW 25,566; BLWR 13,293 (52%); BLWTR 12,273
12-29-09	Pmpd 0 BO + 123 BW + 0 MCF w/sub pmp f/above perfs; intake press 430
12-30-09	Pmpd 48 BO + 449 BW + 0 MCF w/sub pmp f/above perfs; intake press 388
12-31-09	Pmpd 30 BO + 312 BW + 0 MCF w/sub pmp f/above perfs; intake press 340
01-01-10	Pmpd 36 BO + 347 BW + 0 MCF w/sub pmp f/above perfs; intake press 340
01-02-10	Pmpd 66 BO + 245 BW + 0 MCF w/sub pmp f/above perfs; intake press 340
01-03-10	Pmpd 44 BO + 260 BW + 0 MCF w/sub pmp f/above perfs; intake press 340 BLW 25,566; BLWR 15,029 (59%); BLWTR 10,537
01-04-10	Pmpd 58 BO + 176 BW + 0 MCF w/sub pmp f/above perfs; intake press 340; RU to pull sub; BLW 25,566; BLWR 15,205 (59%); BLWTR 10,361
01-05-10	SHUT DOWN BKR CENTERLIFT SUB PUMP; DISCONNECT ELECT CABLE FROM PANEL BOX & WELL HEAD; MIRU KEY PU # 204; UNLOAD FORKLIFT & SPOT RIG MAT & PIPE RACKS; MOVE 126 JTS 2-7/8" 6.50# L-80 EU 8RD TUB FROM SIDE OF LOC TO PIPE RACKS; RU KILL TRUCK ON CSG & PUMP 25 BBLS PRODUCED WATER; SWAP OVER TO TUB & PUMP 20 BBLS; ND WH & NU BOP & BKR CABLE SPOOLER; POOH W/ 200 JTS TUB REMOVING CABLE BANDS & SPOOLING UP CABLE; SECURE WELL; SDON; Est Daily Comp \$8280
01-06-10	bled GAS PSI OFF TO PIT; RU KILL TRUCK & PUMP 30 BBLS PRODUCED WATER DOWN CSG, SWAP OVER TO TUB & PUMP 20 BBLS; POOH W/ 22 JTS 2-7/8" TUB & DISASSEMBLE BKR CENTERLIFT SUB PUMP & LOAD OUT ON TRUCK; SWAP OUT 2-7/8" PIPE RAMS IN BOP; PU & MU 2-7/8" DUMP VALVE, 3-1/2" X 2-7/8" MUD ANCHOR, 2-7/8" X 4' 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" TAC LOADED W/ 45,000# SHEAR PINS & RIH W/ 104 JTS TUB IN DERRICK PU 124 MORE JTS FROM PIPE RACK & TAG UP ON FILL @ 11,341' [35' ABOVE FLOAT COLLAR]; POOH W/ 4 JTS & LAY DOWN ON PIPE RACK; SECURE WELL; SDON; HAVE 118 JTS TUB BELOW TAC, 224 JTS ABOVE TAC & 8 JTS ON RACK [TOATL TUB ON LOC 350 JTS]; WILL SET TAC @ 7336' W/ S/N @ 11,189' & BTTM OF DV @ 11,226' [115' FROM BTTM OF DV TO TOP OF FILL & 155' FROM BTTM PERF TO TOP OF FILL]; Est Daily Comp \$7393 Est Drlg \$721,439; Est Comp \$459,537; Est Tot \$1,180,976

01-07-10 BLED GAS PSI OFF TO PIT; RU KILL TRUCK & PUMP 40 BBLS PRODUCED WATER DOWN CSG, SWAP TO TUB & PUMP 20 BBLS; ND BOP; SET 5-1/2" X 2-7/8" TAC @ 7336' W/ 16,000# TENSION; NU WELL HEAD; RELEASE KILL TRUCK; MIRU WADECO CHEM TRAILER & SALAZAR PUMP TRUCK 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; SHUT WELL IN; CREW REMOVED THREAD PROTECTORS FROM RODS & MADE UP ROD BOXES & GOT RODS READY TO RUN; SDON; Est Daily Comp \$3248
Est Drlg \$721,439; Est Comp \$462,785; Est Tot \$1,184,224

01-08-10 Key SD crew & kill trk due to bad weather conditions; Est Daily Comp \$55

01-09-10-10 SI; Est Daily Comp \$110;
Est Drlg \$721,439; Est Comp \$462,950; Est Tot \$1,184,389

01-11-10 BLED GAS PSI OFF; PU 2-1/2" X 1-1/2" X 24' RXBC PUMP [HVR W/ WIPERS & 203" STROKE]; LOAD PUMP W/ DIESEL & MU 1-1/4" X 16' GAS ANCHOR & RIH; PU 4 - 1-1/2" K-BARS & RIH PICKING UP 129 - 3/4" MMS STEEL RODS, 171 - 7/8" MMS STEEL RODS & 130 - 1" MMS STEEL RODS; SECURE WELL; SDON; Est Daily Comp \$39,820;
Est Drlg \$721,439; Est Comp \$502,700; Est Tot \$1,224,209

01-12-10 BLEED GAS PSI OFF TO PIT; RU KILL TRUCK & PUMP 30 BBLS PRODUCED WATER DOWN CSG; RIH W/ 9 - 1" RODS & SEAT PUMP; SPACE OUT WELL W/ 1 - 1" X 8', 1 - 1" X 6', 2 - 1" X 4' PONY SUBS, 1-1/2" X 26' POLLISH ROD; LOAD TUB W/ 28 BBLS PRODUCED WATER & TEST TO 500# BLEED PSI OFF & LONG STROKE PUMP & PSI BACK UP TO 500#; BLED PSI OFF; HANG ON WELL; REPLUMB WELL HEAD; MOVE 9 JTS 2-7/8" TUB TO SIDE OF LOC; [GA, 2-1/2" X 1-1/2" X 24' PUMP, SPIREL SUB, ON-OFF TOOL, 1" X 1' LIFT SUB, 4 -1-1/2" K-BARS, 129 - 3/4" RODS, 171 - 7/8" RODS, 139 - 1" RODS, 1 - 8', 1 - 6', 2 - 4' PONY SUBS & PR]; WIRED UP ELECT PANEL BOX; TURNED ON UNIT & IT IS WAY OUT OF BALANCE & HAS WEIRD SOUND COMING FROM BRAKE SHUT DOWN UNIT; WILL GET DSPUS TO COME & BLANCE UNIT & LOOK @ BREAK SYSTEM; SDON; Est Daily Comp \$3820;
Est Drlg \$721,439; Est Comp \$506,520; Est Tot \$1,227,959

01-13-10 RDMO KEY PU # 204; LOAD UP RIG MAT; MIRU DSPUS & REBALANCE UNIT; WORK ON BREAK SYSTEM; PUT WELL ON PRODUCTION @ 11:00 AM; UNIT RAN 20 MIN & WENT DOWN; RESET OVERLOAD & TURN UNIT BACK ON & IT RAN 20 MIN & WENT DOWN CALLED OUT TESSCO; ADJUSTED HEATER BOX & IT RAN 30 MIN; ADJUSTED HEATED BOX & IT RAN 40 MIN; ADJUSTED AGAIN & WELL IS RUNNING; Est Daily Comp \$1380;
Est Drlg \$721,439; Est Comp \$507,900; Est Tot \$1,229,339

01-15-10 Pmpd 3 BO + 237 BW + 0 MCF

01-16-10 Pmpd 19 BO + 261 BW + 0 MCF

01-17-10 Pmpd 3 BO + 239 BW + 1 MCF
BLW 25,566; BLWR 15,942 (62%); BLWTR 9624

01-18-10 Pmpd 66 BO + 28 BW + 0 MCF
BLW 25,566; BLWR 15,970 (62%); BLWTR 9596

01-19-10 Pmpd 61 BO + 132 BW + 12 MCF
BLW 25,566; BLWR 16,102 (63%); BLWTR 9464

01-20-10 Pmpd 33 BO + 211 BW + 33 MCF
BLW 25,566; BLWR 16,313 (64%); BLWTR 9253

01-21-10 Pmpd 11 BO + 203 BW + 61 MCF
BLW 25,566; BLWR 16,516 (65%); BLWTR 9050

01-22-10 Pmpd 52 BO + 185 BW + 100 MCF
BLW 25,566; BLWR 16,701 (65%); BLWTR 8865

01-23-10 Pmpd 44 BO + 232 BW + 66 MCF

01-24-10 Pmpd 0 BO + 32 BW + 0 MCF; pmp trbl

01-25-10	Pmpd 0 BO + 81 BW + 0 MCF BLW 25,566; BLWR 17,046 (67%); BLWTR 8520
01-26-10	Pmpd 6 BO + 289 BW + 2 MCF BLW 25,566; BLWR 17,335 (68%); BLWTR 8231
01-27-10	Pmpd 58 BO + 135 BW + 1 MCF BLW 25,566; BLWR 17,470 (68%); BLWTR 8096
01-28-10	Pmpd 65 BO + 192 BW + 2 MCF; comp dwn; BO BLW 25,566; BLWR 17,662 (69%); BLWTR 7904
01-29-10	Pmpd 3 BO + 231 BW + 29 MCF BLW 25,566; BLWR 17,893 (70%); BLWTR 7673
01-30-10	Pmpd 8 BO + 101 BW + 59 MCF; dwn on overload
01-31-10	Pmpd 8 BO + 140 BW + 47 MCF; dwn on overload
02-01-10	Pmpd 0 BO + 137 BW + 0 MCF; dwn on overload; electrical trouble BLW 25,566; BLWR 18,271 (71%); BLWTR 7295
02-02-10	Pmpd 0 BO + 0 BW + 2 MCF; dwn on overload; electrical trouble BLW 25,566; BLWR 18,273 (71%); BLWTR 7293
02-03-10	Pmpd 8 BO + 146 BW + 9 MCF BLW 25,566; BLWR 18,417 (72%); BLWTR 7149
02-04-10	Pmpd 52BO + 255 BW + 31 MCF BLW 25,566; BLWR 18,672 (73%); BLWTR 6894
02-05-10	Pmpd 83 BO + 156 BW + 55 MCF
02-06-10	Pmpd 72 BO + 244 BW + 141 MCF
02-07-10	Pmpd 58 BO + 204 BW + 95 MCF BLW 25,566; BLWR 19,276 (75%); BLWTR 6290
02-08-10	Pmpd 52 BO + 196 BW + 113 MCF; FL = 1217' FOP; PIP = 497 PSI BLW 25,566; BLWR 19,472 (76%); BLWTR 6094
02-09-10	Pmpd 69 BO + 182 BW + 98 MCF BLW 25,566; BLWR 19,654 (77%); BLWTR 5912
02-10-10	Pmpd 55 BO + 140 BW + 74 MCF BLW 25,566; BLWR 19,794 (77%); BLWTR 5772
02-11-10	Pmpd 61 BO + 206 BW + 107 MCF BLW 25,566; BLWR 20,000 (78%); BLWTR 5566
02-12-10	Pmpd 41 BO + 267 BW + 102 MCF
02-13-10	Pmpd 28 BO + 248 BW + 36 MCF
02-14-10	Pmpd 44 BO + 237 BW + 46 MCF; BLW 25,566; BLWR 20,752 (81%); BLWTR 4814
02-15-10	Pmpd 44 BO + 179 BW + 40 MCF BLW 25,566; BLWR 20,931 (82%); BLWTR 4635
02-16-10	Pmpd 28 BO + 116 BW + 128 MCF BLW 25,566; BLWR 21,047 (82%); BLWTR 4519
02-17-10	Pmpd 55 BO + 124 BW + 102 MCF BLW 25,566; BLWR 21,171 (83%); BLWTR 4395
02-18-10	Pmpd 14 BO + 88 BW + 53 MCF BLW 25,566; BLWR 21,259 (83%); BLWTR 4307
02-19-10	Pmpd 36 BO + 148 BW + 83 MCF BLW 25,566; BLWR 21,407 (84%); BLWTR 4159
02-20-10	Pmpd 25 BO + 113 BW + 88 MCF
02-21-10	Pmpd 30 BO + 58 BW + 84 MCF
02-22-10	Pmpd 30 BO + 57 BW + 81 MCF BLW 25,566; BLWR 21,635 (85%); BLWTR 3931
02-23-10	Pmpd 25 BO + 106 BW + 73 MCF BLW 25,566; BLWR 21,741 (85%); BLWTR 3825
02-24-10	Pmpd 28 BO + 69 BW + 65 MCF; <u>dropped from report</u> BLW 25,566; BLWR 21,810 (85%); BLWTR 3756

03-26-10 MI & spot rig mat & flwoback tank; lay FL from flowback tank to WH; MI RU Key PU #134; blow gas press off well; unhang well; pulled to 38K attmptg to unseat pmp; pmp stuck in up position; LD 1-1/2" X 26' PR , PU 1" steel rod, start working rods and pulled free @ 48K rod wt 25K , POOH w/ 1" pony subs, 1", 7/8" & 3/4" rods; LD 4 - 1-1/2 K-bars, 1' lift sub, on-off tool & spiral sub, top of pmp backed off from btm of spiral sub; found small amts of paraffin around a few of the rod boxes and slight thin layer of scale on 1 K-bar; secure well; SDON; EDWC \$7210

03-29-10 BLOW GAS PSI OFF WELL RU KILL TRUCK & PUMP 20 BBLS DOWN CSG ND WH PU TO RELEASE TAC & IT WAS LOOSE NU BOP PULL 1ST STD & IT HAD LAYER OF SCALE ON OD WENT THRU MOTION OF SETTING TAC & IT SET RELEASE TAC & POOH W/ TUB 1ST 6 STDS HAD SCALE ON OD THEN CLEANED UP UNTIL LAST 30 STDS, S/N & DESANDER TAC HAD SOME SCALE IN SLIPS BUT OVERALL LOOKED GOOD PUMP WAS STUCK IN JT ABOVE S/N W/ FRAC SAND DESANDER HAD 1/16" SCALE RING ON ID SECURE WELL SDON; EDWC \$3980

11-22-10 SPOT FLOWBACK TANK & RIG MAT MIRU KEY PU # 412 LAY FLOWLINE FROM WH TO TANK RU KILL TRUCK BLOW GAS PSI OFF WELL PUMP 20 BBLS PRODUCED WATER DOWN CSG UNHANG WELL ATTEMPT TO UNSEAT PUMP JARRED FROM 40 TO 50K FOR 1 HR, NO LUCK RELEASE ON-OFF TOOL & POOH W/ 2 - 1" X 4' & 1 - 1" X 6' & 8' PONY SUBS, 138 - 1" RODS, 170 - 7/8" RODS, 127 - 3/4" RODS, 4 - 1-1/2" K-BARS, 1" X 1' LIFT SUB, TOP 1/2 OF THE ON-OFF TOOL PUMP 20 BBLS DOWN CSG ND WH NU BOP RELEASE TAC SET @ 7319' POOH SWABBING TUB AS WE COME GOH W/ 133 STDS TUB [36 STDS & SINGLE LEFT IN HOLE] SECURE WELL SDON; Est Daily Comp \$4376

01-20-11 MI RIG MAT MIRU KEY PUMP TRUCK AND KEY RIG #412 BLOW GAS PSI OFF WELL UNHANG WELL TRY TO UNSEAT PUMP, WOULDN'T COME LOOSE. JAR ON PUMP WHILE PUMPING DOWN CASING. PUMP STILL WOULDN'T COME LOOSE. RELEASE ON OFF TOOL. PULL SUBS OUT OF HOLE, PICKUP POILSH ROD SECURE WELL SDFN; Est Daily Comp \$1497

01-21-11 BLOW GAS PSI OFF WELL POOH W/ 1" X 4' X 4 X 6' X 8' HS PONY SUBS, 138-1" HS RODS 170-7/8 HS RODS 127-3/4 HS RODS 4-1-1/2 K-BARS AND PUMP, PUMP 40 BBLS DOWN CASING ND WELLHEAD UNSET TAC NU BOP. SECURE WELL SHUT DOWN DUE TO WIND; Est Daily Comp \$3563

01-22/23-11 SDFWE; Est Daily Comp \$410

01-24-11 BLOW GAS PSI OFF WELL PUMP 35 BBLS DOWN CASING POOH W/ 224 JTS 2-7/8 6.5 # L-80 TUBING, 5- 1/2 X 2-7/8 TAC, 115 JTS 2-7/8 6.5# L-80 TUBING, 2-7/8 SEATING NIPPLE, 2-7/8 DESANDER, SEATING NIPPLE HAD SCALE IN IT, DESANDER HAD BUILD UP ON THE INSIDE. RIH W/ 2-7/8 DUMP VALVE, 2-7/8 DESANDER, 2-7/8 X 2' L-80 SUB, 2-7/8 STANDARD SEATING NIPPLE. 115 JTS 2-7/8 6.5# L-80 TUBING. SECURE WELL SDFN; Est Daily Comp \$4708

01-25-11 BLOW GAS PSIOFF WELL RIH W/ 5-1/2 X 2-7/8 EXCHANGE TAC, 224 JTS TAG W/ 10' OF LAST JOINT OUT. TAG AT 11,105 BOTTOM PERF 11,180' WELL CLEANED OUT ON 11-25-09 TO 11,327. POOH W/ 2- 7/8 TUBING AND BHA. RIH W/ 2-7/8 NOTCHED COLLAR, 2-7/8 FLAPPER VALVE, 2 JTS 2-7/8 TUBING, 2-7/8 FLAPPER VALVE, 4 JTS 2-7/8 TUBING. TONGS BROKE DOWN, BRING PAIR IN THE AM. SECURE WELL SDFN; Est Daily Comp \$5213

01-26-11 BLOW GAS PSI OFF WELL RIH W/ 339 JTS TAG AT 11,092 PICKUP 1 JTS BAIL DOWN TO 11,116 GOT STUCK WORK TUBING FROM 86 K TO 130 K. USE BAILER TO JAR ON TUBING JARED UP AND DOWN. PUMP 60 BBLS DOWN CASING WHILE WORKING TO FREE BAILER, PUMP 30 BBLS DOWN CASING WHILE WORKING TO FREE BAILER. RU WIRELINE RUN IN HOLE

01-27-11 W/ 2-1/8 OD CHEMICAL CUTTER, TAG BAILER AT 10,685' BY WIRELINE, PICK UP AND CUT AT 10,665. POOH W/WIRELINE POOH W/ 64 JTS TUBING, BOTTOMOF TUBING AT 8585' SECURE WELL SDFN; Est Daily Comp \$13,058
BLOW GAS PSI OFF WELL PUMP 35 BBLS DOWN CASING POOH W/338 JTS 2-7/8 TUBING AND CUT OFF JT 13.70' RIH W/ 4-11/16 OD OVERSHOT W/ 2.875 OD GRAPPLE, 3-3/4 OD BUMPER SUB, 4-3-1/2 OD DRILL COLLARS, 3-11/16 OD JARS, 3-5/8 OD CROSSOVER AND 288 JTS TUBING. SET DOWN AT 9565 FT WORK TUBING STRING WEIGHT 75,000# SET DOWN 15,000# TOOK 12,000# OVER STRING WEIGHT TO PULL FREE. SET DOWN 20,000# TOOK 12,000# TO PULL FREE. POOH W/ TUBING AND BHA. RIH W/ 4- 5/8 CASING SWEDGE 3-3/4 OD BUMPER SUB, 6-3-1/2 OD DRILL COLLARS, 3-11/16 OD JARS, 3-5/8 OD CROSSOVER, 20 JTS 2-7/8 TUBIING. SECURE WELL SDFN; Est Daily Comp \$9428

01-28-11 BLOW GAS PSI OFF WELL RIH W/ 266 JTS TUBING TOTAL 286, TAG SPOT AT 9565. START JARRING W/ 4- 5/8 OD CASING SWEDGE WORK SWEDGE DOWN TO 9750' W/ 292 JTS IN HOLE. POOH W/ 106 JTS 2-7/8 TUBING ABOVE THE PERFS. SECURE WELL SDFWE; Est Daily Comp \$8628

01-29/30-11 SDFWE; Est Daily Comp \$316

01-31-11 BLOW GAS PSI OFF WELL START TO SWEDGE ON CASING WORK 4 HRS MADE 5 FT. POOH W/ 292 JTS 2-7/8 TUBING 3-5/8 CROSSOVER, 3-11/16 OD JARS, 6-3-1/2 OD DRILLCOLLARS, 3-3/4 OD BUMPER SUB, 4-5/8 OD SWEDGE. NO MARKS ON SWEDGE. RIH W/ 3-7/8 OD SWEDGE, 3-3/4 ODBUMPER SUB, 6-3-1/2 OD DRILL COLLARS, 3-11/16 OD JARS, 3-5/8 CROSSOVER. RIH W/ 186 JTS 2-7/8 TUBING STOP ABOVE PERFS. SECURE WELL SDFN; Est Daily Comp \$7958

02-01/04-11 SD due to bad weather; Est Daily Comp \$632

02-05/06-11 SDFWE; Est Daily Comp \$316

02-07-11 BLOW GAS PSI OFF WELL RIH W/ 106 JTS 2-7/8 TUBING TOTAL JTS IN HOLE 292 TAG AT 9750' WORK 3- 7/8 OD SWEDGE THRU. GO ON DOWN TAG AT 10,270 WORK SWEDGE THRU TIGHT SPOT. RIH TAG TOP OF FISH AT 10,657. POOH W/ TUBING AND BHA. SWEDGE AND BUMPER SUB WAS FULL OF SAND AND HAD SOME DRILLING MUD. RIH W/ 4-5/8 OD SWEDGE, 3-3/4 OD BUMPER SUB, 6-3-1/2 OD DRILL COLLRS, 3-11/16 OD JARS, 3-5/8 OD CROSSOVER AND 225 JTS 2-7/8 TUBING STAY ABOVE PERFS. SECURE WELL; Est Daily Comp \$7958
Est Comp \$63,685

02-08-11 BLOW GAS PSIOFF WELL RIH W/ 106 JTS TAG AT 9750' TOTAL JTS 292. WORK 4-5/8 OD CASING SWEDGE TRY TO GET THRU TIGHT SPOT, MIRU WADECO CHEMICAL AND SALAZAR PUMP TRUCK, PUMP 500 GALS 15% ACID FLUSH W/ 44 BBLS 2% KCL WATER. SPOT ACID JUST OUTSIDE OF TUBING. WAIT 45 MINUTES START TO JAR DOWN ON 4-5/8 OD CASING SWEDGE. SWEDGE OUT CASING 9750 TO 9775. GO DOWN TO 10,600, SWEDGE OUT CASING TO 10,609 POOH TO 10,584. MIRU WADECO AND SALAZAR PUMP 500 GALS 15% ACID, FLUSH W/ 50 BBLS 2% KCL WATER. POOH W/ 24 JTS 2-7/8 TUBING. SECURE WELL SDFN; Est Daily Comp \$6058
Est Comp \$69,743

02-09-11 RIG CREW ON LOC. SHUTDOWN DUE TO WIND AND COLD.; Est Daily Comp \$2078
Est Comp \$71,821

02-10-11 BLOW GAS PSI OFF WELL RIH W/ 24 JTS 2-7/8 L-80 TUBING SET DOWN AT 10,609. WORK TO SWEDGE OUT CASING MOVE DOWN 6 FT FELL THRU SPOT. RIH W/ 2 MORE JTS TOTAL JTS IN HOLE 221. TAG TOP OF FISH AT 10,660 FT. POOH W/ 221 JTS 2-7/8 L-80 TUBING AND BHA. RIH W/ 4-1/8 OD OVERSHOT W/ 2- 21/32 GRAPPLE, 3-3/4 OD BUMPER SUB, 6-3-31/2 OD DRILL COLLARS, 3-11/16 OD JARS, 3-5/8 OD CROSSOVER, 321 JTS 2-7/8 L-

80 TUBING. SET DOWN AT 10,660, WORK OVERSHOT DOWN TO 10,686, LATCH ONTO FISH START JARRING ON FISH. FISH NEVER MOVED, RELEASE OVERSHOT. POOH W/106 JTS 2-7/8 L-80 TUBING. SECURE WELL SDFN; Est Daily Comp \$8458
Est Comp \$80,279

02-11-11 BLOW GAS PSI OFF WELL POOH W/ 215 JTS 2-7/8 L-80 TUBING, LAYDOWN 6-DRILL COLLARS, JARS, BUMPER SUB, OVERSHOT. LEFT GRAPPLE IN HOLE. RIH W/ 2-7/8 DUMPVALVE, 2-7/8 DESANDER, 2-7/8 X 2' L-80 SUB, 2-7/8 STANDARD SEATING NIPPLE, 91 JTS 2-7/8 L-80 TUBING, 5-1/2 X 2-7/8 EXCHANGE TAC, W/ 35,000# SHEAR, TAC AT 7335' 224 JTS 2-7/8 L-80 TUBING. ND BOP SET TAC W/ 20,000# TENSION, NU WELLHEAD. RIH W/ 2-1/2 X 1-1/2 X 24' RXBC PUMP (HVR, WIPERS, BDV, W/ 211" STROKE) SPIRAL SUB, 2.148 OD ON OFF TOOL, 1" X 1' LIFT SUB. FILL PUMP W/ DIESEL. RIH W/ 118-3/4" HS RODS. LAYDOWN 9-3/4 HS RODS AND 24-7/8 HS RODS. SECURE WELL. SDFWE.; Est Daily Comp \$5008
Est Comp \$85,383

02-12/13-11 SDFWE; Est Daily Comp \$96

02-14-11 BLOW GAS PSI OFF WELL RIH W/ 146-7/8 HS RODS, 140-1" HS RODS. SEAT PUMP SPACE OUT WELL W/ 1" X 8' X 6' X 4' HSPONY SUBS. LOAD TUBING W/ 37 BBLS TEST TO 500# LONG STROKE PUMP SET BACK PRESSURE VALVE 100 TO 180#. RUMO KEY PU AND SALAZAR PUMP TRUCK. PUT WELL BACK ON PRODUCTION AT 11:00 AM; final report; Est Daily Comp \$1828
Est Comp \$87,211