

ZA Lakota 7/8/08

PAGE 2 – RU #60B Mancos Completion

07-10-2008

Recap: Tally, rabbit & TIH w/ 37 jts tbg, set packer @ 7704', RU BJ Serv to csg, tbg & FB manifold, psi test lines @ 9000 psi, put 500 psi on csg, pump down tbg @ 1 bpm & @ 6800 psi, had communication from tbg to csg, isolated valves & surface lines w/ same results, PU 4 jts tbg & hang packer @ 7810', spot 3 bbls 15% HCL acid across perfs & attempt to pump into formation @ 5000 psi, RD BJ Serv & LD 4 jts on float, TOH w/ packer & visually inspect tbg for leaks, BO & LO tools, SI frac valve & try to pump into perfs, 1 bpm @ 6200 psi, SD & watch L/O, repeat three times, MU 5.5" HD LHS packer & TIH w/ 40 sts tbg, set packer & psi test tbg, TIH w/ 60 sts & repeat, tbg tested good, TIH w/ 7711' & set packer, put 2100 psi on csg & pump into perfs @ 1 bpm @ 8000 psi & formation broke, start injection test & @ 0.5 bpm @ 6100 psi we lost pressure, TIH w/ 5 jts & tag CIBP @ 7890', pull one jt, set packer & test plug w/ leak off, LD 3 jts tbg & set packer @ 7770', psi test csg @ 1000 psi, tested good, release packer, PU tools & SIWFN.

07-11-2008

Recap: SICP = 0 psi, TOH w/ packer, BO tools, ND stripper head & NU WL pack off, RU WL, RIH & WL set 5.5 RTBP @ 7770', psi test plug @ 6000 psi, tested good, bleed well off thru choke manifold, well was gas cut & unloaded appr 50 bbls fluid, **perforate Greenhorn @ 7750' w/ 1000 psi on csg, 6 hots in one foot @ 60 degree phasing, .36" Dia, 42.5" Pen & 21 Grm Chgs, all shots fired, pump into Greenhorn 1 bpm & form broke @ 5100 psi, run separate tests, blow well down, perforate Mancos Shale @ 7644' w/ 2000 psi on csg 3 shots w/ 120 degree phasing, .36" Dia, 42.5" Pen & 21 Grm Chgs, try to break into the Mancos Shale @ 6200 psi & would not break, PU tools & SIWFN.**

07-12-2008

Recap: SICP = 520 psi, RU WL & blow well down, load well w/ 27 bbls 2% KCL, RIH & **perforate 1st stage Mancos shale, bottom up w/ 2000 psi on csg, 3 SPF @ 120 deg phasing w/ 3 3/8" SFG, .36" Dia, 42.5" Pen & 21 Grm Chgs, perf from 7687' to 7670', one gun run & 21 shots, all shots fired, RD WL crew, pump 2.0 bpm & Mancos Shale broke @ 4209 psi, SD # 3 bpm & ISIP = 3990 psi, run separate tests, closure tests, monitor & record press, SIW** until Tuesday, record pressures off Data Trap.

07-15-2008

Recap: SICP = 1025 psi, blow well down, MU 5 5" retrieving head & TIH w/ 236 jts tbg, reverse circ over top of RTBP, release plug & TOH, B/O & L/O tools, MU 5.5" retrieving head & TIH w/ 237 jts tbg, well is kicking up the tbg all the way in the hole, roll the hole w/ solid column of fluid before releasing plug, reverse circ @ 2.5 bpm, tag RTBP @ 7770' but could not latch onto plug, try appr 8 times w/ same results, TOH w/ retrieving head & inspect, PU tools & SIWFN.

07-16-2008

Recap: SICP = 425 psi, blow well down, MU retrieving head & remove 6" long sleeve off tool, TIH w/ 238 jts, RU 2.5" PS & rev circ w/ rig pump over plug, latch onto plug & equalize WB, RD PS & TOH w/ plug, MU 4 3/4" junk mill & stage into well, unload w/ air only @ 4000' & 7000', tag plug @ 7890', RU PS & break circ w/ 14 bph a/s mist, mill up 5.5" CIBP, pump sweep & circ well clean, push plug to 8172', csg seems to be in good shape, RD PS & TOH w/ 5 sts tbg, NF well w/ appr 18" flare, well is flowing a very slight trickle out blooie line.

07-17-2008

Recap: NF well w/ 20' flare, well stopped flowing wtr @ 03:00 hrs, TIH w/ 5 sts & tag @ 8172', TOH w/ junk mill & LD 2 7/8" N-80 tbg on trailer, ND strpr head & NU WL pack off & RU BWWC, WL set 5.5" **12K CBP @ 7850' between Dakota & Graneros, 2nd plug @ 7720', between the Greenhorn & Mancos Shale,** RD WL, RD rig floor & NUBOP stack & NUWH, RD rig & all surface equip, police loc, prepare to move rig in the morning to the Rosa #88C, will come back & frac the Mancos when frac is designed, stop reports until Mancos Fracs.

07-30-2008

Recap: RU BJ Serv to frac Y, psi test lines @ 9000 psi, BD Mancos formation @ 5490 psi, BO Mancos w/ 1000 gals 15% HCL acid & 40 Bio Balls, fair action, ISIP = 5370 psi, SD & let Bio Balls dissolve & WO radioactive tracer sand to be delivered, **frac Mancos w/ 8140# 100 mesh white sand @ .25 & .50 ppg, follow w/ 85,040# 40/70 white sand @ .50, .75, 1.0 & 1.25 ppg, prop carried in slick wtr, MIR = 35 bpm, AIR = 31.5 bpm, MTP = 6101 psi, ATP = 5330 psi, ISIP = 3115 psi, 5 mins = 2785 psi, 10 mins = 2737 psi, 15 mins = 2701 psi, total FW = 3399 bbls, total FRW-14 = 160 gals, SICP @ 16:00 = 2325 psi, open well on 8/64 choke, monitor press & watch for sand.**

07-31-2008

Recap: Flow thru 1/8" choke w/ solid stream wtr, @ 03:00 wtr started to become gas cut, spot in rig ramp & all surface equip, RU rig over well, SI well for 1 hr, due to trucks working close to WH, @ 09:00 SI psi = 1400 psi, @ 10:00 = when well was opened psi = 1550 psi, ND frac Y & NUBOP stack, NU 6" blooie line to flare pit, @ 15:30 when we left location psi = 1350 psi w/ gas cut wtr & trace sand, turn well over to night crew, @ 18:00 hrs = 1100 psi w/ hvy gas cut wtr & trace sand @ midnight = 890 psi w/ gas cut wtr & trace sand.

08-01-2008

Recap: Flow well thru 1/8" choke @ 890 psi w/ gas cut wtr & trace sand, @ 04:00 = 720 psi w/ GC wtr & no sand, @ 07:00 = 700 psi w/ GC wtr & no sand, swap out to 1/4" choke, @ 09:00 = 510 psi w/ GC wtr & light sand, @ 12:00 = 460 psi w/ GC wt & trace sand, @ 116:00 = 350 psi w/ GC wt & trace sand, swap over to 3/8" choke, pressured dropped fast to 200 psi, flowing hvy GC wtr w/ trace to light sand, remained this way all night.

08-02-2008

Recap: Flow well thru 3/8" choke @ 200 psi w/ GC wtr, swap over to 1/2" choke @ 07:00, flow for 1 hr, swap to 1" choke for 1 hr, rets = hvy GC wtr @ 25 psi, open up to 2" open line, flowed hvy GC wtr for 30 mins, MU 4 3/4" bit & BS, tally, rabbit & TIH w/ 125 jts 2 7/8" N-80 tbg, unload wtr off well w/ air only @ 650 psi, rets = appr 8 bbl slug of wtr, run bucket test @ 14:00 hrs = 3.3 bph wtr, SD air, TIH w/ 112 jts tbg & tag fill @ 7688', TOH w/ 10 sts tbg, flow well on 3/8" choke @ 120 psi w/ GC mist & no sand, swap to 1" choke @ 19:00 hrs = 35 psi w/ GC mist.

08-03-2008

Recap: Flow well on 1" choke @ 35 psi w/ GC mist & no sand, SU equip, unload wtr off well w/ air only @ 1000 psi, rets = med clear wtr w/ no sand, run bucket test @ 9:30 = 2 bph wtr w/ no sand, SD air, TIH w/ 10 sts tbg, PU 1 jt (237 total jts) & tag @ 7705', RU 2.5" PS, break circ w/ 12 bph a/s mist @ 700 psi, rets = light dark brown wtr w/ no sand, SD mist & blow well dry, run bucket test @ 12:00 = 2.3 bph clear wtr, LD 1 jt tbg, RD 2.5" PS, TOH w/ 5 sts tbg, put well on 2" open line & start FLOW TEST: (5 pitot tests), Duration = 2 hrs per test, 1st test on 2" open line @ 3.0 oz = 264 Mcfd, 2nd test on 1" choke @ 29.0 oz = 234 Mcfd, 3rd test on 1/2" choke @ 10.0 lbs, 4th test on 1/4" choke @ 18.0 lbs, 5th test on 1/8" choke @ 22.0 lbs, all pitots were dry, flow well on 1" choke.

08-04-2008

Recap: Flow well on 1" choke, unload wtr off well w/ air only @ 650 psi, returns = approx 8 bbls clear wtr followed w/ 1/2" wide stream, SD air & TIH w/ 11 jts tbg & tag @ 7716', LD 1 jt tbg, TOH w/ bit & BS, MU 2 7/8" coupler, TIH w/ 10 sts tbg, RU slick line & calibrate Spectra scan tool, RIH w/ tool & tag @ 7720', pull tool to 7100' @ 30 f/m, POH w/ tool, RD slick line, flow well thru various chokes & check csg psi, 2" open line = to light to read, dry gas & no sand, 1" choke = 4 oz w/ dry gas, 1/2" choke = 18 psi w/ dry gas, 1/4" choke = 83 psi w/ dry gas, 1/8" choke = 200 psi w/ dry gas, flow well on each choke for 2 hrs, put well on 1/2" choke for remaining night.

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08-05-2008

Recap: Flow well thru 1" choke, dry gas, flow well on 1" choke, MU 2 7/8" coupler, TIH 237 jts tbg & tag @ 7716', LD 1 jt tbg & unload wtr off well w/ air only @ 950 psi, returns = approx 15 bbls dark brown wtr w/ no sand, run bucket test @ 15:00 hrs = 3.5 bph wtr, SD air pkg, TOH w/ 6 jts tbg, flare well & SU spray bar, evap pit w/ approx 12' flare, well is not making any wtr.

08-06-2008

Recap: NF well & evap pit w/ approx 12' flare, TIH w/ 7 jts tbg & tag @ 7710', unload wtr off well w/ air only @ 650 psi, C/O 10' of fill to 7720', run sweep, circ clean, blow well dry, TOOH w/ tbg, ND strpr head & W/O WL crew & pump truck, NU pack off & RIH & WL set 12K 5.5" CBP @ 7620', load well w/ 160 bbls 4% KCL, Psi test csg & plug to 6000 psi, tested good, Perf Mancos 2nd zone bttm up w/ 1000 psi on csg, 3 SPF @ 120 degree phasing w/ 3 3/8" SFG, 13 locations, made two gun runs due to miss fire on 1st run, 6 locations w/ 18 holes on 1st run, 7 locations w/ 21 holes on second run, 39 total shots, all shots fired, RD WL crew, load well bore & break down Mancos 2nd stage @ 3980 psi, est rate 4.8 bpm @ 3640 psi, RD Key Pressure Pumping, SIWFN.

08-07-2008

Recap: SICP = 1440 psi, blow well down, TIH w/ 2 7/8" N-80 tbg, TOOH w/ tbg & LD on tbg trailers, RD rig floor, NDBOP stack & NU frac Y, for rigless frac, load well w/ approx 13 bbls of 4% KCL wtr, RD rig & all surface equip, police location, RU test manifold to 2" csg for step test tomorrow.

08-08-2008

Recap: RU BJ Services, HTGSM w/ all contractors on loc, Psi test lines @ 6000 psi, tested good, load well w/ 4% KCL, Run DFIT test, Start 1 bpm @ 2610 psi - 2 bpm @ 2907 psi - 3 bpm @ 3022 psi - 4 bpm @ 3117 psi - 7 bpm @ 3288 psi - pump 7 bpm for 5 mins, step down - 6 bpm @ 3273 psi - 5 bpm @ 3214 psi - 4 bpm @ 3105 psi - 3 bpm @ 2894 psi - 2 bpm @ 2775 psi & 1 bpm @ 2666 psi, ISIP = 2498 psi, pumped 76 total bbls, help BJ RD there iron, finish RD rig & equip, BJ will be E-mailing detailed reports to engineers.

08-13-2008

Recap: Mobe rig to loc & spot in on ramp, spot in all surface equipment, MVCI is rigging up flowback equip, RU rig over well, prepare to frac Mancos 2nd stage in the A.M.

08-14-2008

Recap: RU BJ Services, Psi test lines @ 6000 psi, open frac valve, SICP = 1050 psi, BD Mancos 2nd stage @ 4800 psi, est rate 20 bpm @ 44645 psi, B/O 6247 psi w/ 1000 gals 15% HCL acid & 70 Bio Balls, SD & let Bio Balls dissolve, Start fracing Mancos 2nd stage, pump 240 bbl pad @ 5318 psi @ 35 bpm rate, start .25 ppg 100 mesh & pump @ 5116 psi, 35 bpm rate, start 0.5 ppg 100 mesh @ 5537 psi @ 35 bpm rate, pressure slowly increasing, slow down rate to stay under 6000 psi, start 0.5 ppg 40/70 @ 5920 psi @ 25 bpm rate & was @ 11 bpm @ end of this stage, cut sand & go to flush, final screen off w/ 14 bbls into flush, ISIP = 6000 psi, RD BJ Services, ND frac Y & NUBOP stack, RU rig floor, SICP = 2020 psi, open well on 1/8" choke, flow thru FS 400 & into flowback tank, @ midnight psi = 1050 psi, well is making approx 20 bph wtr w/ trace sand.

08-15-2008

Recap: Flow well on 8/64" choke, SU rig, flowing csg psi = 750 psi, jump to 12/64" choke @ 11:00, record wtr & gas, send rig crew home, flow well on 12/64" choke & record wtr & gas, @ 15:00 psi = 250 psi & had flowed back 369 bbls, @ 18:00 = 240 psi & had flowed back 390 bbls wtr, @ 21:00 psi = 175 psi & had flowed back 408 bbls wtr, @ 00:00 psi = 240 psi & had flowed back 419 bbls wtr.

08-16-2008

Recap: Flow well thru 1/4" choke @ 5:00 open well to 2" open line & flowback to tank, MU 1/2 M/S w/ Exp Chk, tally, rabbit & TIH 127 jts tbg, set M/S @ 3987', 1st 10 jts were hard to get in well due to well flowing fluid, break circ w/ air only @ 950 psi, unload wtr off well, SD air & TIH w/ 69 more jt, (196 total jts) set M/S @ 6402', break circ w/ air only @ 950 psi, @ 450 circ pressure SD air unit due to well drying up, flow well on 1/4" choke w/ no wtr recovered, swap to 1/8" choke, no change except for pressure.

08-17-2008

Recap: Flow well on 8/64" choke, open up well to 2" open line @ 4:00, well is not flowing any wtr, unload well w/ air only @ 550 psi, recovered 4 bbls, SD air package, stay w/ 8/64" choke & get 3 stage separator running, @ 12:00 = 181 Mcfd, @ 15:00 = 137 Mcfd, @ 17:00 = 110 Mcfd, remainder of night well flowed approx 85 Mcfd & pressure is fluctuating f/ 95 psi to 110 psi.

08-18-2008

Recap: Flow well on 8/64" choke thru 3 stage separator, well did not produce any wtr & average Mcfd = 80, Tally, rabbit & TIH w/ 31 jts tbg & tag @ 7408', break circ w/ 12 bph a/s mist, C/O to 7544', run 3 bbl sweeps between each connection & circ clean, made connection @ 7544' & could not break circ, tbg pressured to 2000 psi, release pressure & start TOOH w/ tbg, dragging 25,000 over string weight for 44 jts, pull free, try to break circ w/ same results, TOOH to inspect Exp Chk, last 15 stds had some rust in them, last 3 stds were packed off w/ frac sand, B/O Exp Chk & found hard plastic ring stuck in it, send gas thru FB unit & record wtr & gas flow.

08-19-2008

Recap: Flow well thru 1/8" choke & thru 3 stage separator, monitor & record wtr & gas flow, MU 1/2 mule shoe & TIH to 6000' w/ 2 7/8" tbg, unload wtr off well @ 650 psi, returns = light mist w/ no sand, TIH & tag @ 7410', 227 total jts, break cir w/ 10 bph a/s mist, C/O sand to 7620', returns = hvy fine sand & light dark brown wtr, run 3 bbl sweeps until returns are clean between connections, run two 3 bbl sweeps @ 7620', circ well clean, well was still running very light sand, SD a/s mist & TOOH w/ 14 jts tbg & set M/S @ 7150', RU Phoenix slick line & run in hole w/ Spectra Scan Survey over Mancos 2nd stage perf intervals (7415' - 7535'), 13 locations @ 3 SPF, RD slick line & open well to FB unit, flow thru 8/64" choke.

08-20-2008

Recap: Flow well thru 1/8" choke to tank & record wtr & gas flows, TIH w/ 12 jts tbg & tag fill @ 7570', break circ w/ 12 bph a/s mist & C/O to 7620', run 3 bbl sweeps, circ clean & blow well dry, TOOH w/ 6 jts tbg & get above perms, load well w/ 4% KCL wtr, C/O to 7620' w/ rig pump, circ bottoms up, TOOH w/ tbg, RD rig floor, NDBOP stack & NU WL pack off, RU WL crew, re-perforate Mancos 2nd stage bottom up @ 3 SPF w/ 3 1/8" SFG, .34" Dia, 21" Pen, 12 Grm Chgs, 12 total locations, w/ 36 total shots (75 total shots in the Mancos 2nd stage), RD WL crew, SIWFN.

08-21-2008

Recap: RU BJ & set manifold, W/O 3 more pump trucks to arrive f/ different job, load hole w/ 27 bbls 4% KCL, SD & work on remote f/ TMV to Denver Office & repair inverter, start pad @ 15 bpm, stage 100 mesh 0.25 ppg @ 5100 psi, Psi slowly decreased, stage 0.50 ppg 100 mesh @ 4720 psi, stage 0.50 ppg 40/70 White Sand @ 4556 psi, increase rate to 24 bpm @ 4745 psi, Psi slowly increased, cut sand @ blender & pump 273 bbl sweep, stage 0.50 ppg 40/70sand @ 5370 psi, stage 0.75 ppg 40/70 @ 5310 psi, Psi dropped to 5160 psi, w/ 210 bbls pumped, psi increased to 5481 psi, cut sand @ blender & pump 280 bbl sweep & screened out @ 6200 psi, ISIP = 5476 psi, @ 15 mins = 2908 psi, RD BJ Services, open well to tank on 8/64" choke, record wtr & gas flows thru MVCI FB unit, Psi @ 21:00 = 2480 psi.

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08-22-2008

Recap: Flow well to tank thru a 8/64" choke.

08-23-2008

Recap: Flow well thru 8/64" choke to FB tank, @ 18:00 hrs had recovered 696 bbls wtr, fluid is starting to get gas cut, try to swap over to 3 stage separator, dumps are stuck open, try to repair, will have parts in the A.M., flow well thru 8/ 64" choke to FB tank.

8-24-2008

Recap: Flow well thru FB unit on 8/64" choke, @ 16:00 swap to 16/64" choke & record wt & gas flows, @ 18:00 swap to 20/64" choke & record data, @ 20:00 swap to 24/64" choke & record data, @ 0:00 swap to 32/64 choke & record wtr & gas flows.

08-25-2008

Recap: Flow well thru 32/64" choke & record wtr & gas flows, open well on 2" line, RD BJ Services frac line & valve, ND frac Y & NUBOP stack, RU rig floor, W/O well to blow down, MU /2 mule shoe & TIH w/ 130 jts tbg & unload wtr off well w/ air only @ 550 psi, TIH w/ 100 jts tbg & tag fill @ 7512', break circ w/ 0 bph a/s mist, C/O fill to 7620', run 3 bbl sweeps & circ clean, blow well dry, RD 2.5" P/S & TOO H w/ 10 stds tbg, set mule shoe @ 6950', turn over to night crew, flow well thru 16/64" choke & 3 stage separator & monitor wtr & gas flows.

08-26-2008

Recap: Flow well on 16/64" choke, monitor wtr & gas flows, TIH w/ 10 stds tbg & tag fill @ 7560', break circ & C/O 60' of fill to 7620', run 3 bbl sweeps & circ well clean, RD 2.5" P/S, TOO H w/ 10 stds tbg, put well on 32/64" choke, help roustabouts set up blooie line, swap over to 16/64" choke @ 21:00 hrs.

08-27-2008

Recap: Flow well thru 16/64" choke, monitor flows, TRVL to loc, HTGSM, TIH w/ 10 stds tbg & tag fill @ 7560', break circ w/ 10 bph a/s mist, C/O to 7620', run 3 bbl sweeps & circ well clean, TOO H w/ 10 stds, W/O Phoenix WL & Pro Technics, RU slick line & calibrate survey tool, RIH w/ gauge ring & tag fill @ 7515', 20' above bttm perf, POOH w/ slick line, load hole w/ 180 bbls 4% KCL, TIH & tag fill, reverse circ well clean to 7620', circ bottoms up, RD 2.5" P/S, TOO H w/ 10 stds tbg, RU Phoenix & RIH w/ gauge ring & tag CBP @ 7620', POOH w/ GR, & RIH & log perfs w/ Spectra Scan Survey, RD Phoenix & SIWFN.

08-28-2008

Recap: SICP = 0 psi, TIH w/ tbg & tag @ 7610', TOO H w/ N-80 tbg & LD on trailers, RD rig floor & W/O Antelope to arrive w/ new Frac Valve, ND 6" blooie line, NDBOP & set on skid, ND old Frac valve & install new one, NU Frac Y & SIWFN.

08-29-2008

Recap: SICP = 350 psi, blow well down, RU BWWC to WL set plug, RU BJ Services to csg, WL set 5.5" 12K CBP @ 7350', Psi test plug to 6000 psi, tested good, Perforate Mancos 3rd stage bttm up, 3 SPF @ 120 degree phasing w/ 3 1/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, 9 locations w/ 27 total shots, all shots fired, Load well w/ 15 bbls 4% KCL, BD @ 3070 psi, start DFIT test @ 1 bpm = 2638 psi, 2 bpm = 2703 psi, 3 bpm = 2738 psi, 4.4 bpm = 2704 psi, 5.1 bpm = 2720 psi, 6 bpm = 2724 psi, 7 bpm = 2764 psi, all stages pumped for 45 sec to 1 min 8 bpm = 2800 psi pumped for 3 mins, start step down, 7 bpm = 2674 psi, 6 bpm = 2589 psi, 5 bpm = 2529 psi, 4 bpm = 2643 psi, 3 bpm = 2394 psi, 2 bpm = 2333 psi, 1 bpm = 2277 psi, ISIP = 2240 psi, SI & record Psi for 30 min, RD BJ Services, SD for holiday weekend.

09-04-2008

Recap: RU BJ Services to frac Y, Psi test lines @ 6200 psi, BD formation @ 3217 psi, spear head 1000 gals 15% HCL acid followed w/ 48 bbls Gel, Frac Mancos 3rd stage w/ 7640 lbs 100 mesh White Sand @ .25 ppg, .25 ppg & .50 ppg, followed w/ 117,240 lbs 40/70 White Sand @ .50 ppg, 1.0 ppg, .75 ppg & 1.25 ppg, all prop carried in slick wtr, MTP = 3773 psi, ATP = 3202 psi, MIR = 30.1 bpm, AIR = 27.2 bpm, ISIP = 2500 psi, 5 mins = 2300 psi, 10 mins = 2242 psi, 15 mins = 2209 psi, total fluid to recover = 3442 bbls, total FRW-14 - 1134 gals, RU BJ Services * BWWC, SICP @ 17:00 hrs = 2000 psi, flow well back to FB tank on 8/64" choke, record wtr & gas flows.

09-05-2008

Recap: Flow well on 8/64" choke record wtr & gas flows, TRVL to Rosa Unit # 274, HTGSM, Mobe rig & equip to Location, spot in equip & RU rig over well, ND frac Y & NUBOP stack, get prepared to C/O when well logs off, get rig ready for mechanic to repair Hydromatic, flow well on 8/64" choke & record flow data.

9-06-2008

Recap: Flow well back to FB tank on 8/64" choke, record & monitor wtr flows.

09-07-2008

Recap: Flow well to FB tank on 12/64" choke, wtr is starting to get gas cut, swap well over to flow thru 3 stage separator, keep it on 12/64" choke, 1st reading was 1424 Mcfd on 3/4" orifice plate, swap to 1" orifice plate & Mcfd = 950 Mcfd is fluctuating between 750 & 950 Mcfd, average wtr being recovered is 6 bph, csg psi is staying around 1300 psi, keep well on 12/64" choke through out the night.

09-08-2008

Recap: Flow well on 12/64" choke thru separator, recover wtr in FB tank & flare well w/ approx 25' flare, RU filter crew & filter 2 tanks w/ 5 micron filters, take samples after filtering, spot in tbg trailers, swap over to 16/64" choke @ 8:00, Mcfd = 760 & had recovered 21 bbls wtr, @ 20:00 hrs, swap over to 24/64" choke, Mcfd = 738 & had recovered 30 bbls, @ 23:00 Mcfd = 831 & had recovered 7 bbls wtr, (total of 58 bbls), flare @ pit is approx 25'.

09-09-2008

Recap: Flow well thru 24/64" choke, monitor wtr & gas flows, swap over to 32/64" choke, MU 1/2 M/S, try to open Frac valve & could not open valve even w/ 36" wrench, call Antelope & discuss the problem, W/O valve hand, help Antelope repair valve, valve is still very hard to open, open well to 2" line to FB tank to get csg pressure to drop, tally, rabbit & TIH w/ 30 jts, pull stripper rubber, and PU old 7 1/16" tbg hanger & make sure it would drift thru frac valve, POOH w/ tbg hanger & TIH w/ 71 jts tbg, put well on 32/64" choke, flow thru separator & monitor wtr & gas flows.

09-10-2008

Recap: Flow well on 32/64" choke & record wtr & gas flows, tally, rabbit & TIH w/ 155 jts tbg, (226 total), tag fill @ 7217', RU 2.5" P/S, starter locked up on air package, help swap out starters, break circ w/ 12 bph a/s mist @ 800 psi, C/O 133' of fill to 7350', run 3 bbl sweeps between connections, circ well clean & blow well dry, RD P/S, TOO H w/ 10 stds tbg, flow well on 32/64" choke & record wtr & gas flows.

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09-11-2008

Recap: Flow well on 32/64" choke & record flow data, catch gas sample, TIH w/ tbg & tag fill @ 7250' (100' of fill), contact engineer & decide to C/O w/ 4% KCL wtr, break circ w/ rig pump, C/O fill to 7350', conventional circ bottoms up due to exp chk, TOO H w/ tbg & B/O exp chk, MU 1/2 M/S & TIH w/ 20 stds tbg, RU Slick Line & calibrate survey tool, RIH w/ Spectra Scan survey tool & tag @ 7320', run survey to detect tracer sand, RD Slick Line, TOO H w/ 20 stds tbg, SIWFN & release FB crew.

09-12-2008

Recap: SICP = 350 psi, ND stripper head & NU WL pack off flange, RU BWWC, HTGSM w/ all contractors on loc, RIH under pressure & WL set 5.5" 12K CBP @ 7120', Psi test plug to 1800 psi for 30 mins w/ no leak off, **perforate Mancos 4th stage, bttm up 3 SPF w/ 3 3/8" SFG, .34" Dia, 21" Pen & 12 Grm Chgs, shoot f/ 7074' to 6930', 30 total shots & all shots fired, RD WL service, RD rig floor, NDBOP stack, swap out bad frac valve w/ new one, NU frac Y & prepare for DFIT test in the A.M., SIWFN.**

09-15-2008

Recap: SICP = 800 psi, RU BJ Services to 2" csg, HGSM w/ all contractors on loc, blow well down to FB tanks, Psi test lines @ 6000 psi, load well w/ 15 bbls 4% KCL fluid, start BD & lost rate in TMV, swap out turbinnes in order to read pump rates, BD Mancos 4th stage 1.5 bpm @ 2230 psi & psi leveled out @ 2050 psi, 2 bpm = 2073 psi, 3 bpm = 2232 psi, 4 bpm = 2367 psi, lines @ WH were shaking pretty bad & made decision not to increase rate any higher, contact Bob Brookes on decision, step down to 3 bpm @ 2211 psi, 2 bpm @ 2145 psi, 1 bpm @ 2015 psi, ISIP = 1949 psi, 5 in SI = 1532 psi, 10 min = 1496 psi, 15 min = 1259 psi, Data Trap is on during DFIT test, RD BJ Services.

09-17-2008

Recap: Two day stand by waiting to frac Mancos 4th stage, BJ set manifold.

09-18-2008

Recap: RU BJ Services, re-tighten WH bolts, psi test lines @ 6000 psi, BD Mancos 4th stage @ 3508 psi, pump 2000 gals 15% HCL acid, follow w/ 12 bbl 4% KCL pad, pump 2000 gals Cross Link Gel, **Frac Mancos 4th stage w/ 7600# 100 mesh WS @ .25 ppg @ 10 bpm, .25 ppg @ 30 bpm, .50 ppg, followed w/ 180,00# 40/70 WS @ .50 ppg, .75 ppg, 1.0 ppg & 1.25 ppg, prop carried in slick wtr, MIR = 30.5 bpm, AIR = 28.7 bpm, MTP = 4694 psi, ATP = 3299 psi, ISIP = 2523 psi, 5 min SI = 2273, 10 min = 238 & 15 min SI = 2085 psi, total fluid to recover = 3975 bbls, total FRW-14 = 153 gals, RD BJ Services & hook up to FB unit, flow well to FB tank on 8/64" choke, open well @ 1670 psi, record FB data.**

09-19-2008

Recap: Flow well on 8/64" choke to FB tank, as of 12:00 midnight well had flowed 200 bbls back, TRVL to loc, HTGSM, ND frac Y & NUBOP stack, RU rig floor & handling tools, prepare to TIH & C/O when well logs off, flow well on 8/64" choke to FB tank, @ 15:30 hrs psi = 697 psi, swap choke to 12/64", run through 3 stage separator @ 17:00 hrs, record flow data, @ 20:00 hrs swap out to 16/64" choke & run through separator, approx 4' flare @ blooie line, Psi leveled out @ 530 psi.

09-20-2008

Recap: Flow well thru separator & keep backpressure on well w/ 16/34" choke @ manifold, take out choke @ manifold & install 16/64" choke @ blooie line, try to keep pressure @ separator constant w/ chokes @ blooie line, well is starting to make good gas, keep 16/64" choke @ blooie line & measuring gas thru 3/4" orifice, swap to 1" orifice @ 18:00 hrs, record all flow data.

09-21-2008

Recap: Flow well through separator to FB tank, for flow data see FB report.

09-22-2008

Recap: Flow well thru 3 stage separator & record flow data to FB tank, see FB report for information, TRVL to loc, HTGSM, flow well thru separator, open well on 2" open line to bleed down pressure, MU 1/2 M/S & TIH w/ 221 jts 2 7/8" J-55 tbg, tag fill @ 7045', LD 1 jt tbg, RU 2.5" P/S & PU 1 jt tbg, tag fill @ 7035', break circ w/ rig pump & circ gas off well w/ 4% KCL, C/O 85' of sand to 7120', circ well clean, LD 1 jt tbg & RD P/S, TOO H w/ 10 stds tbg, SIWFN.

09-23-2008

Recap: TIH w/ 21 jts & tag CBP @ 7120', TOO H w/ 10 stds tbg, W/O Pro Technics & Phoenix Slick Line, RU slick line & calibrate survey tool, RIH & run Spectra Scan survey across Mancos 4th stage, RD slick line, TOO H w/ tbg & B/O 1/2 M/S, MU 4 3/4" Hurricane mill, TIH w/ 4000' tbg & well started unloading on its own power, install 24/64" choke in FB tank & start to recover load, TIH to 6500', transfer wtr f/ FB tank to frac tank, well had flowed back 160 bbls, turn well over to night crew, swap well over to separator, record wtr & gas flows

09-24-2008

Recap: Flow well thru 3 stage test separator, record wtr & gas flows.

09-25-2008

Recap: Flow well thru 3 stage test separator on 24/64" choke to FB tank, record wtr & gas flows, TRVL to loc, HTGSM, TIH w/ 10 stds tbg & tag fill @ 7100', 25' below bottom perf, TOO H w/ 10 stds tbg, turn over to FB crew, flow well on 24/64" choke, record FB data, see detailed FB report for information.

09-26-2008

Recap: Flow well thru 3 stage test separator on 24/64" choke, record flow data, TIH w/ 10 stds tbg & tag fill @ 7100', 26' below bottom perf, TOO H w/ 10 stds tbg & turn over to FB crew, flow well thru 3 stage separator on 24/64" choke & record flow data, see FB report for details.

09-27-2008

Recap: Flow well thru 24/64" choke thru 3 stage test separator, record FB data, for details see FB report.

09-28-2008

Recap: Flow well thru 24/64" choke thru 3 stage test separator, record FB data, for details see FB report.

09-29-2008

Recap: Flow well thru 3 stage separator on 24/64" choke, record FB data, TRVL to loc, HTGSM, SU equip, TIH w/ 10 stds tbg & tag fill @ 7100', TOO H w/ 10 stds & contact engineer, WO orders, TIH w/ 10 stds tbg & RU 2.5" P/S, break circ w/ 12 bph a/s mist @ 700 psi, C/O 20' of fill & D/O CBP @ 7120', saw a 800 psi spike, let equalize, RD P/S, TIH w/ 7 jts tbg & tag fill @ 7343', RU P/S & break circ w/ 12 bph a/s mist @ 700 psi, C/O 7' of fill & D/O CBP @ 7350', saw approx 1000 psi pressure spike, let well equalize, RD P/S & TOO H w/ 10 stds tbg, turn well over to FB crew, flow well thru 3 stage test separator on 24/64" choke, record FB data.

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09-30-2008

Recap: Flow well thru 3 stage test separator on 32/64" choke, TIH w/ 21 jts tbg & got hung up @ 7390', RU 2.5" P/S & break circ w/ 10 bph a/s mist, drill up pieces of old plugs & work tbg until it would travel free, RD P/S, TIH w/ 3 stds tbg, tag fill @ 7575', RU P/S & break circ, C/O 45' of fill to 7620', D/O 5.5" CBP @ 7620', let well equalize, PU 3 jts tbg & tag fill @ 7710', break circ w/ 10 bph a/s mist, C/O 10' of fill & D/O 5.5" CBP @ 7720', PU 1 jt tbg & tag @ 7750', D/O 5.5" CBP & C/O to 7850', 246 total jts, circ well bore clean, Rd P/S, LD 1 jt tbg & TOO H w/ 20 stds tbg & set mill @ 6540', turn over to FB crew, flow well thru 3 stage separator on 16/64" choke & record FB data.

10-01-2008

Recap: Flow well thru 3 stage test separator on 16/64" choke & record FB data, TRVL to loc, HTGSM, TIH w/ 41 jts tbg & tag 10' of fill @ 7840, contact Engineer & discuss next step, TOO H w/ 41 jts tbg & set bit @ 6540', turn over to FB crew, flow well thru 3 stage test separator on 16/64" choke & record FB data.

10-02-2008

Recap: Flow well thru 3 stage test separator on 16/64" choke, record FB data, TRVL f/ Farmington to Rosa well site, hold tailgate safety mtg, TIH w/ 41 jts tbg & tag fill @ 7830', appr 20' of fill, TOO H w/ 41 jts tbg & set bit @ 6540', service rig & equipment & turn well over to FB crew, flow well thru separator on 16/64" choke & record FB data, extinguish flare & by-pass separator, flow well on 16/64" choke straight to FB tank, record csg psi when it stabilized, swap to 24/64" choke, record csg psi, swap to 32/64" choke & record csg psi, swap back to 24/64" choke w/ same procedure & finally back to 16/64" choke & record psi

10-03-08

Recap: Flow well thru 3 stage test separator on 16/64" choke, record FB data, TRVL to loc, HTGSM, TIH w/ 20 stds tbg & RU P/S, PU 1 jt tbg, break circ w/ rig pump, choke well @ csg & circ gas out of well bore, C/O 20' of fill to 7850 psi, circ well bore clean, TOO H w/ Hurricane mill, SIWFFN, ND strppr head & prepare to run Spectra Scan survey over all perms

10-04-08

Recap: TRVL to loc, HTGSM, SU rig & equip, W/O Phoenix SL, NU SL flange & packoff, calibrate Spectra Scan tool, RIH & log well down @ 30 FPM f/ 6600' to 7785' & back to 6600', POOH @ 300 FPM, RD Phoenix SL & ND pack off flange & NU strppr head, blow well down to FB tank, well is flowing wtr back that was pumped in yesterday, turn well over to FB Crew, flow well to FB tank on 24/64" choke & record FB data

10-05-08

Recap: Flow well to FB tank on 24/64" choke to get wtr off well, TRVL to lease road & road is very muddy & leaving ruts, turn everyone around & let roads & location dry, flow well on 24/64" choke to FB tank to get wtr off well

10-06-08

Recap: Flow well thru 3 stage test separator on 24/64" choke, 1 hr test, Casing pressure 281 psi, 946 mcf p/day, record FB data, TRVL to loc, HTGSM, blow well down to get into well w/ tbg & then install 32/64" choke, land well @ 7703 KB as follows w/ one 1/2 M/S - Exp Chk, one jt 2.875", J-55, 6.5# EUE tbg, one 2.28" S/N & 240 jts 2.875", J-55, 6.5# EUE tbg, S/N set @ 7671', RD rig floor, NDBOP stack & NUWH, test @ 3000 psi, tested good, pump out P/O plug @ 1100 psi, RD rig floor & RD rig, pump, pit & all hardline, police loc, prepare to move rig in the A.M.