

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 26 2009

FORM APPROVED
Budget Bureau No 1004-0135
Expires March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir use of a particular well.
TO DRILL" for permit for such proposals

Bureau of Land Management
Farmington Field Office

5. Lease Designation and Serial No.
701-02-0014

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.
JAECO 26-3 22 #1A

9. API Well No
30-039-30050

10. Field and Pool, or Exploratory Area
Blanco MV

11. County or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well Gas Well X Other

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO BOX 640 Aztec, NM 87410-0640

4. Location of Well (Footage, Sec , T., R , M , or Survey Description)
Sur: 790' FSL & 1850' FEL, Sec. 22, T26N, R3W
BHL: 991' FSL & 2061' FEL

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent

x Subsequent Report

Final Abandonment

TYPE OF ACTION

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

X Other Completion

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

12-4-2008

MIRU BWWC, run CBL, TOC on 5-1/2" @ 5200'

ROAD MAR 2 2008
OIL CONS. DIV.
DIST. 3

12-10-2008

Recap: Blade off snow on road, push snow off location. Checked tanks & pits @ Jicarilla 92# & had them emptied. Move rig & equipment to location.

12-11-2008

Recap: SU rig & equip / Throw chains on rear drivers, move rig to location / Spot in cribbing for ramp, rig ramp & all surface equipment, use RU trucks to get rig on ramp / Swap out Crown guy lines while derrick is on head ache rack / RU rig over well / NDWH, NU frac valve & BOP stack, RU rig floor, swap out handling equip from 2 3/8" to 2 7/8", change out pipe rams to 2 7/8".

12-12-2008

Recap: MU 4 3/4" bit, BS, tally, rabbit & TIH w/ 254 jts 2 7/8", 6.5 #, J-55 EUE 8rnd tbg. (8294.51'). --- RU rig pump to tbg string, Test 7" csg & pipe rams to 1500 psi hold for 30min w/ no leak off. Good test --- roll hole w/ 160bbl 2% KCL water --- Secure well & location, freeze protect equipment.

14. I hereby certify that the foregoing is true and correct

Signed

Larry Higgins

Title Drilling COM

Date 2-26-08

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD
Date FEB 27 2009
FARMINGTON FIELD OFFICE
By T. Sayers

NMOC

JAECO 26-3 22 #1A – Page 2

12-13-2008

Recap: Set EOT @ 8294', RU BJ Services to Tbg, SM w/ all personnel on location --- Psi test 5.5" csg @ 5000 psi, tested good, spot 5 bbls 15% HCL across DK perf interval, displace acid w/ 45 bbl 2% KCL, RD BJ Services. --- TOO H w/ tbg --- ND stripper head, NU WL pack off, RU BWWC --- **Perforate DK, 8214'-8390', bottom up 3 SPF w/ 3 3/8" SFG f/ 8214" to 8390', .34" Dia, 21" Pen & 11 Grm Chgs, 1 gun run, 23 locations w/ 69 shots total, all shots fired, RD BWWC.** RU BJ Ser, load well w/ 18 bbls 2% KCL wtr, test to 4500 psi, BD DK zone @ 1830 psi, establish rate, 5bbl rate 1395 psi @ 5.5 BPM, 10bbl rate 1282 psi @ 5.8 BPM, 15 bbl rate 1280 psi @ 5.9 BPM, 20 bbl rate 1276 psi @ 5.9 BPM. SD, ISIP= 1256 psi, 5 min = 506 psi, 10 min = 334 psi, 15 min = 222 psi, SI well, RD BJ Services. --- ND BOPE, NU Frac Y, prepare for frac on Monday, secure well & location SD until Monday morning. --- As BJ acid truck was leaving, about 200 yards from location, the driver cut the corner to short and ran off the road into the drainage ditch blocking the road leaving location. B&B Vac sent a loaded water truck to try and pull the acid truck out of the ditch but was unable to remove truck; was able to move the tractor over enough to open the access to location. Called Johnny w/ Adobe and he will bring a dozer to pull out the truck & trailer in the morning. Condition of the road was a little muddy but in my opinion was not the major cause of this, it was driver error.

12-14-2008

Recap: Had Adobe send blade to location, removed BJ acid truck from ditch, cleared snow from rd & location, should be OK for Frac tomorrow.

12-15-2008

Recap. SU rig & equip - W/O BJ Services to arrive on location - Spot in frac equipment, RU BJ to frac Y, hold tailgate safety mtg w/ all contractors on location - Mix up Lightning 25 CL gel, Psi test lines @ 5000 psi - Est rate 28 bpm @ 2390 psi, spear head 2000 gals 15% HCL acid & 2000 gals CL gel, **Frac the Dakota w/ 8020 lbs 100 Mesh W/S @ .25 ppg, .50 ppg, followed w/ 120,420 lbs 40/70 White Sand @ .50 ppg, .75 ppg, 1.0 ppg & 1.25 ppg, prop carried in slick wtr, MIR = 62 bpm, AIR = 56 bpm, MTP = 3296 psi, ATP = 3064 psi, ISIP = 2433 psi, 5 min SI = 2036 psi, 10 min SI = 1956 psi, 15 min = 1930 psi, Total fluid to recover = 3795 bbl's - RD BJ Services, NU well to FB tank, install 8/64" choke, flow well to FB tank - ND Frac Y & NUBOP stack, RU rig floor & pipe handling equipment, turn well over to FB crew, TRVL to Farmington on snow packed roads / Flow well & record FB data.**

12-16-2008

Recap: Transfer FB wtr f/ FB tank to frac tank, well is flowing @ 400 psi & f/ 10 bph to 13 bph - Drain up pumps & hoses & flow well to FB tank on 1/8" choke, turn well over to FB crew - Flow well to FB tank on 1/8" choke psi = 350 psi @ 17:00 hrs we swapped choke out to 1/4", well is averaging approx 9 bph wtr w/ trace sand - Well made 3 bph for 2 hrs & pressure dropped to 135 psi, @ 19:00 hrs well started flowing a little heavier & is starting to get gas cut - Flow well on 1/4" choke, well is making approx 12 bph @ 125 psi.

12-17-2008

Recap: Flow well on 16/64" choke, averaging approx 8 bph @ 100 psi, swap to 1/2" choke - TRVL f/ Farmington to Jicarilla well site on snow packed roads, hold tailgate safety mtg - Transfer FB wtr to frac tanks, open well on 2" open line to see if well would die down & we could TIH w/ bit & tbg - Flow increased to 16 bph, after 2 hrs installed 1/2" choke & turn well over to FB crew, drain up pumps & lines - Flow well to FB tank on 32/64" choke & record FB data.

12-18-2008

Recap: Flow well to FB tank on 32/64" choke @ 1:00 well was flowing @ approx 3 bph, gauge on csg was froze & showing 50 psi - TRVL f/ Farmington to Jaeco well site on snow packed roads, hold tailgate safety mtg, SU rig & equip, swap to 2" open line - Let well blow down, MU 4 3/4" bit, BS & TIH w/ 67 stds tbg, set bit @ 4314' - Unload wtr off well w/ air only, break circ @ 1800 psi, @ 11:00 had recovered 192 bbls, call for wtr truck & transfer FB wtr f/ FB tank to Frac tanks well is averaging approx 72 bph, Psi on air unit leveled off @ 900 psi @ 13:00 hrs, call for truck to transfer wtr thru the night, turn well over to FB & air crew - Unload wtr off well w/ air only, wtr is averaging approx 65 bph, unloading @ 800 psi, keep wtr truck transferring wtr throughout the night, record FB data.

12-19-2008

Recap: Unload water off well w/air only w/52 bph average. Travel from Farmington to JAECO well site. Unload water off well w/air only w/46 bph average. Unload water off well w/air only w/46 bph average.

12-20-2008

Recap: Unload wtr off well w/ air only, taking tank readings every hour, well is averaging approx 45 bph wtr, 3923 total bbls recovered.

12-21-2008

Recap: Unload water off well @ 4300', w/air only. Well is averaging 38 bph to 44 bph constant, recovered full load back last night. Catch water samples to take into BJ for analysis. Drain up pumps & lines, rig crew is to go out & prepare for 2 week shut down.

12-22-2008

Recap: Dig out lines & tools out of snow, drain up every line that has had water in it. Inventory tools. SD for Holiday weekend will return January 5, 2009.

12-29-2008

Recap Drove to Farmington to JAECO location, lease road has 1' of snow, rig crew is stuck. Wait on blade to finish opening road; there is not enough room for blade & trucks to meet on road. Run over to Jicarilla 93 #12A, Red Top Tank is moving in frac tanks, could not locate dead men, they are covered up due to rig move in the mud & blading location.

01-05-2009

Recap: Highway snow packed to loc, 8 - 10" new snow, PJSM, SICP=500#, BD to tank, transfer wtr from frac tank to rig pit, est circ @ 4377', good circ, form. Taking a little fluid, notify engineer, TOO H w/ 4 3/4" bit, BO bit & float, TIH w/ notched collar to 8289', est rev circ w/ rig pump, circ down to 8322', circ bottoms up, SD pump, PU to 8063', secure well, drain up, SDFN

01-06-2009

Recap: SICP=0, SITP=20 psi, TIH from 8063' to 8322', est rev circ, circ down past bottom perf to 8421', circ, clean, SD pump, TOO H w/ 2 7/8" tbg, WO orders, secure well, drain up, SDFN

01-07-2009

Recap. SICP=0, MU 5 1/2" cmt ret & TIH, **set 5 1/2" cmt ret @ 8075'**, secure well, rig crew shovel snow off flow line from csg valve to FB tank, sweep snow off top off camp trailers, SDFN.

01-08-2009

Recap: SICP=0, SITP=0, RU BJ, test lines 4000#, P & A DK perfs 8214'-8390' w/ 100 sx Type III neat cmt + .2% R-3 @ 14.6 ppg, 1.39 yield, inj rate 3 bpm @ 1100#, pump 25 bbls cmt @ 14.6 ppg 2 bpm @ 930#, displ w/ 45.5 bbls wtr 3 bpm @ 470#, final press 2330#, ISDP=2000#, sting out of ret, PU to 8013', rev out w/ 170 bbls 2% kcl wtr, rev out 1.5 bbls cmt, SD, RD BJ, TOO, ND BOPE, NU frac-Y, load csg & test to 1500 psi 30 min, lost 60 psi, good test, drain up, SDFN.

01-11-2009

Recap: SD until 1/12/09.

01-12-2009

Recap: SICP=0, RW BWWC, perf 1st stage Mancos 7460'-7642' w/ 3 3/8" SFG, 10 grm chg, .34 dia holes, 21" pen., 3 SPI, 78 holes, RD WL, BJ on loc RU, test lines 7000#, st frac @ 14:35 Frac Mancos perfs 7460'-7642' w/ 2000 gal 15% Hcl, 48 bbls x-link gel, 531 bbls slick wtr w/ 9,160# 100 mesh sand @ .25 ppg & .5 ppg, 3295 bbls slick wtr w/ 120,760# 40/70 white sand @ .50 ppg, .75 ppg, 1 ppg, 1.25 ppg, flush to top perf w/ 173 bbls slick wtr, ATP=1718 psi, MTP=2222 psi, AIR=41 bpm, MTR=51 bpm, IDSP=1320#, 5 min=1213#, 10 min=1150#, 15 min=1115#, end frac @ 16:45, Protechnics ran tracer on gel pad & sand stgs, RD BJ, 19:00 - flow well back on 1/8" choke @ 900 psi, 3858 bbls frac fluid to recover, 5 hrs recovered 78 bbls, 3780 bbls left to recover.

01-13-2009

Recap: Flow 1st stage Mancos to FB tank on 1/8" choke, average 6 bph for 1st 9 hrs, press test @ 600 psi, drop to 60 psi @ 09:00, flow on 1/4" choke .5 hr, press=0, open well up on 2", TIH w/ 4 3/4" bit to 3988', unload fluid w/ air, blow till 22:00, recovered 218 bbls, 22:00 -24:00 SD air, transfer water f/ FB tank to frac tank, well flow light gas, no water, fluid recovered for day = 331 bbls, total fluid recovered=409 bbls, load left to recover=3449, see FB report for detailed info.

01-14-2009

Recap: Tbg @ 3988', circ, well w/air, returns 9.6 bph wtr, very light gas, TIH to 7510', RU 2.5 PS, circ w/air & unload wtr off Mancos formation, got back est 4 bbls oil, CO 7543' to 7609' w/ 12 bph mist, getting 1/2 cup sand in 5 gallons wtr, circ clean, bypass air, RD PS, PU to 7249', turn well over to FB hand & air hand for night, flow natural 1 hr, light gas, no fluid, tbg @ 7249', blow well w/air, fluid recovered in 24 hrs=166 bbls, load recovered=575 bbls, load left to recover=3283 bbls, see FB report on daily report for details.

01-15-2009

Recap: Circ w/ air for 1 hr & flow natural 1hr thru out night, natural flow very light gas w/ no fluid, recovered 25 bbls circ w/ air, TIH from 7249' to 7609', RU 2.5 PS, CO 7609' to 7936', circ w/ 12 bph mist 1.5 hr, pump 3 bbl sweep, got 10 cups of sand in 5 gallon bucket, bypass mist, circ air only .5 hr, bypass air, RD PS, LD 13 jts, pull 5 stds, bit @ 7249', secure well, drain up equip, SDFN.

01-16-2009

Recap: SICP=300 psi, BD to tank, TIH w/ 2 7/8" tbg from 7249' to 7870', RU slick line & Pro-Technics, run tracer log 7850' to 7249', RD slick line, PU to 7249', unload hole w/air, unloaded 13 bbls fluid, blew for 2 hrs, returns 1 bph fluid cut w/oil, est 85% wtr, 15% oil, received call from engineer, not going to frac Monday, SD hot oil truck & wtr haulers, strap FB tank w/ color cut, 4 bbls oil in tank, secure well, drain up, rig crew off till Monday, air hand & FB hand w/ blow well during day over weekend.

01-17-2009

Recap: SITP=0, SICP=300 psi, BD to tank, unload fluid off Mancos perfs 7460'-7642' w/air & blow for 1hr, flow nat 2 hr after unloading well each time, recovered total of 36 bbls fluid, load recovered=651 bbls, load left to recover=3207 bbls, gas flow to small to measure, secure well, SDFN.

01-18-2009

Recap: SITP=0, SICP=300 psi, BD to tank, unload fluid off Mancos perfs 7460'-7642' w/ air & blow for 1hr, flow nat 2 hr after unloading well each time, recovered total of 34 bbls fluid, load recovered=685 bbls, load left to recover=3173 bbls, gas flow to small to measure, secure well, SDFN.

01-19-2009

Recap: SITP=0, SICP=250 psi, BD to tank, unload fluid off Mancos perfs 7460'-7642' w/ air & blow for 1 hr, flow nat 2 hr after unloading well each time, recovered total of 23 bbls fluid, load recovered=708 bbls, load left to recover=3150 bbls, gas flow to small to measure, strap FB tank, showing total of 5 bbls oil in tank, secure well, rig SD while WO orders 01/20/09.

01-21-2009

Recap: SICP=270 psi, BD to FB tank, TOO, w/ 2 7/8" tbg, RU Warrior WL, RIH and set 5 1/2" CIBP @ 7450', POOH, RD WL, NU stripping head, TIH w/ 2 7/8" tbg to 7441', circ hole w/ 2% KCl wtr (200 bbls), press test 5 1/2" csg & CIBP 1500 psi 30 min, lost 20 psi, good test, bleed off press, pull 10 stands, secure well, drain up equip, SDFN.

01-22-2009

Recap: BJ on loc, RU, press test 5 1/2" csg & CIBP @ 7450' to 4000 psi 5 min, bleed off press, spot 200 gallons 15% Hcl from 7438' to 7236', RD BJ, TOO, w/ 2 7/8" tbg, RU Warrior WL, perf 2nd stg Mancos w/ 3 3/8" sfg, 10 grm chg, 21" penetration, .34 dia holes, 3 shots per loc. in acid bottom up from 7300' - 7438', total of 60 holes, POOH, RU BJ to csg, BD Mancos perfs 7300'-7438', IR= 3 bpm, broke @ 1330 psi, increase rate to 9 bpm @ 1223 psi, ISDP=650#, 5 min=142#, 10 min=2#, 15 min=0, RD BJ and WL, RD floor, ND BOPE, NU frac-Y, secure well, operations SD till 1/26/09, will frac on 1/26/09

01-26-2009

Recap: W/O BJ Services, had to pull one truck out of ditch w/ Adobe blade RU BJ Services to WH Psi test lines @ 6000 psi - Load well w/ 41 bbls 2% KCL, BD formation @ 1280 psi, spear head 2000 gals 15% HCL, 32 bbl pad & 2000 gals CL gel @ 15 bpm, frac well w/ 8440 lbs 100 mesh WS @ .25, .25 & .50 ppg, followed w/ 88664 lbs 40/70 WS @ .50, .75, 1.0 ppg, when we were ready to stage @ 1.25 ppg well started to screen off, cut sand & go to flush, MIR = 30 bpm, AIR = 30 bpm, MTP = 2860 psi, ATP = 1591 psi, ISIP = 950 psi, 5 min SI = 900 psi, 10 min = 794 psi, 15 min = 772 psi, Total Fluid to recover = 3101 bbls. RD BJ Services, open well to FB tank on 1/8" choke @ 750 psi - ND frac Y & NU BOP stack, RU rig floor, turn well over to FB crew, wait for Adobe to pull trucks to High way - Flow well to FB tank & record FB data.

01-27-2009

Recap: TIH w/ 62 stds tbg & set bit @ 4054', hook up kelly hose & break circ w/ air only @ 1250 psi, unload wtr off well w/ air only, TIH w/ 38 stds tbg & set bit @ 6530', install new stripper rubber, break circ w/ air only @ psi, unload wtr off well to FB tank & record FB data.

01-28-2009

Recap: Unload wtr off well w/ air only, record FB data, SD air & see if well would flow on its own, TIH w/ 27 jts tbg & tag fill @ 7385'. Break circ w/ air only, CO 6' of fill f/ 7385' to 7450', run two 3 bbl sweeps, SD air & blow well dry, TOO, w/ 10 stds tbg & set bit @ 7120'. Transfer wtr f/ FB tank to frac tank, turn over to night crew, unload wtr off well w/ air only, record FB data.

01-29-2009

Recap: Unload wtr off well w/ air only, take readings & record FB data. SD air & prepare to TIH, TIH w/ 17 jts tbg & tag fill @ 7375', break circ w/ air only @ 900 psi, CO 75' of fill f/ 7375' to 7450', run sweeps & circ WB clean, blow well dry, TOOH w/ 10 sts tbg, set bit @ 7120'. Let well flow on its own, 1st 45 min unloaded 4 bbls fluid & no more fluid after 1 hr. Gauge & color cut FB tank, tank has 5' of fluid, color cut showed no oil, shut & lock rams, run pitot test on 2" csg, reading is to light to read, possibly .5 oz, SIWFFN.

01-30-2009

Recap: Check SICP = 100 psi, blow well down to FB tank TIH w/ 18 jts tbg & tag fill @ 7395', RU 2.5" PS, break circ w/ air only @ 950 psi, unloaded 21 bbl slug of fluid, CO 55' of fill from 7395' to 7450', run 3 bbl sweeps every 30 min, circ WB clean. SD air pkg, TOOH w/ 3 stds tbg & bit is hung up @ top perf, break circ w/ 10 bph a/s mist & circ well for 45 min, SD mist & blow well dry. TOOH w/ 7 stds tbg, SIW until Tuesday A.M.

02-03-2009

Recap: SICP = 60 psi, TIH w/ 18 jts 2 7/8" tbg & tag fill @ 7390', break circ w/ air only @ 1300 psi, SU 12 bph a/s mist, CO 60' of fill from 7390' to 7450', washed out 2" line w/ sand @ FB manifold, pull up 60' & SD a/s mist & repair line. Run back in hole & tag @ 7425', break circ w/ 12 bph a/s mist & CO to 5.5" CIBP @ 7450', run two 5 bbl sweeps, circ well clean, TOOH w/ 228 jts tbg & take off 4 3/4" D/B, TIH w/ 208 jts tbg & set EOT @ 7120', NU 6" blooie line & SIWFFN.

02-04-2009

Recap: SICP = 100 psi, blow well down to FB tank, TIH w/ 10 jts tbg & tag @ 7430', break circ w/ 12 bph a/s mist, CO 20' of fill to 5.5" CIBP @ 7450', run three 3 bbl sweeps, circ well clean, LD 12' pup jt. RU Phoenix WL & calibrate survey tool, RIH & run Spectra scan survey across Mancos 2nd stage perfs, RD Phoenix WL, try to load well w/ 170 bbls wtr & could not est circ. TOOH w/ tbg & ND stripper head & prepare to run Gyro in the morning, SIWFFN.

02-05-2009

Recap: SICP = 0 psi, RU BWWC, NU WL pack off, RIH & run Gyro survey to 7300' @ 250' per minute, RD Scientific Drlg. TIH w/ 218 jts 2 7/8" tbg, set EOT @ 7120', WO 2% KCL. Circ WB w/ 155 bbls 2% KCL, rets = dark wtr w/ approx 2 bbls light oil, TOH w/ 18 stds tbg & tongs quit biting, replace springs, buttons & tong dies, cont TOH w/ tbg, drain up pumps & lines.

02-06-2009

Recap: SICP = 0 psi, RU Halliburton to 2" csg, psi test lines @ 6000 psi, psi test csg & 5.5" CIBP @ 5100 psi, tested good. RU BWWC, **perf the Mancos third stage, 7133'-7238', bottom up w/ 3 3/8" SFG, Dia = .36", Pen = 21", Charge = 12 grams, 15 locations w/ 3 SPF, 45 total shots & all shots fired**, RD BWWC. **RUN PUMP TEST: BD zone @ 3119 psi, est 9 bpm rate @ 1500 psi, pump 40 bbls 2% KCL & Psi = 1360 psi, SD & record ISIP = 744, 5 min SI = 621 psi, 10 min SI = 589 psi, 15 min SI = 570 psi, 30 min SI = 520 psi, 40 min SI = 482 psi**, contact Engineer w/ data, WO engineer, release Halliburton, release press to FB tank, RD Halliburton Serv, drain up pumps & lines, SIWFFN.

02-07-2009

Recap: SICP = 0 psi - MU 5.5" 10K cmt retainer, TIH w/ 215 jts 2 7/8" tbg, tbg set 5.5" cmt retainer @ 7025'. **Finish RU Halliburton Serv squeeze manifold & hardline, psi test lines to 4000 psi, pump 20 bbls FW, pump 21 bbls 15.3# cmt slurry (100 sx) @ 2.4 bph @ EOC psi = 72 psi, displacement to end of retainer = 40.7 bbls, cut displacement short 1.5 bbls to leave 50' of cmt on top of retainer, sting out of retainer. LD 3 jts 2 7/8" tbg & reverse out w/ 50 bbls FW**, RD Halliburton f/ tbg, TOOH w/ cmt rtnr, B/O & L/O tools, drain up lines, PU tools & secure loc, SIW until Monday.

02-09-2009

Recap: SICP = 0 psi, RU pump & pit, load well w/ 17 bbls FW, **psi test csg @ 1600 psi for 30 min w/ no leak off**, spot in Hot Oilers to heat tanks, MU 4 7/8" junk mill, TIH w/ 200 jts tbg (6534') & check for cmt stringers. LD 9 jts tbg on float, PU 12' pup jt & set mill @ 6244', prepare to spot acid in the A.M. Drain up pumps & lines, SIWFFN.

02-10-2009

Recap. W/O Halliburton, RU Halliburton to 2 7/8" tbg, psi test lines to 4500 psi, psi csg to 3500 psi, tested good, spot 200 gals 15% HCL acid across PLO perfs, displace acid w/ 34.7 bbls FW to balance spot, RD Halliburton for tbg. TOOH w/ bit (hvy snow & very wet conditions), RD rig floor, NDBOP stack & NU frac Y, RU BWWC to perforate, **perf PLO perf interval, 6014'-6266', bottom up w/ 1000 psi on csg, 1 SPF w/ 3 1/8" SFG, .34" Dia, 21" Pen & 10 Grm Chg, two gun runs w/ 49 total shots, all shots fired**. RD BWWC, SIW until Thursday morning, Halliburton acid pumper could not make it up the hill approx 3/4 mile from location, help hook up to acid transport & pull it over the hill.

02-12-2009

Recap: SU rig & equip, WO Halliburton, by 13.30 there were only 6 trucks on loc, finish rigging up, will frac @ 8:00 a.m. tomorrow morning.

02-13-2009

Recap: SU rig & equip, WO Halliburton to finish RU iron. Could not prime up lines due to Mono Prop in check valves, flush lines w/ FW, psi test lines @ 5000 psi, load WB w/ 20 bbls wtr, BD PLO @ 985 psi, est rate @ 20 bpm @ 1250 psi, SD & swap to acid, pump 1000 gals 15% HCL acid, swap to wtr & increase rate to 100 bpm, pressure slowly increased throughout frac & started to screen out @ the end of 0 20 ppg stage, did not pump 1.0 ppg sand & went to flush, @ the end of flush we were @ 4 bpm @ 3632 psi, MIR = 100 bpm, AIR = 74 bpm, MP = 4399 psi, AP = 2818 psi, ISIP = 3632 psi, 5 min SI = 999, 10 min = 942 psi, 15 min = 899 psi, total fluid to recover = 2544 bbls, **Frac PLO w/ 1500 lbs 20/40 Brown sand @ 0.5 ppg & 1.0 ppg, followed w/ 7000 lbs 100 mesh Mono Prop @ .05, .10, .15 & .20 ppg, prop carried in slick wtr - RU BWWC, WL set 5.5" CIBP @ 5980', psi test plug @ 3480 psi, tested good. Perf CH/MEN, 5677'-5932', bottom up 1 SPF w/ 3 1/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, two gun runs w/ 58 total shots, all shots fired, load well w/ 5 bbls FW, BD CH/MEN @ 3589 psi, could not est rate higher than 9 bpm until acid went through perfs, work rate to 60 bpm & start 20/40 BASF, press ran f/ 3500 psi to 4000 psi throughout sand stages, formation is very tight, pressured out during .15 Mono prop stage, cut prop & go to flush, ISIP = 1880 psi, 5 min = 1206 psi, 10 min = 1128 psi, 15 min = 1079 psi, MTP = 4441 psi, ATP = 3510 psi, MIR = 63.5 bpm, AIR = 43.7 bpm, total fluid to recover = 1788 bbls**. RD Halliburton f/ WH, open well to FB tank on 1/4" choke, well flowed 63 bbls.

02-14-2009

Recap: Well flowing to FB tank, returns are very thick, flow is very light & total flowed f/ midnight = 22 bbls. SU rig & air equip, ND frac Y & NUBOP stack, RU rig floor, catch a sample of FB wtr, MU 4 3/4" bit, TIH w/ 107 jts 2 7/8" tbg, set bit @ 3508', break circ w/ air only @ 1700 psi, circ FB wtr to FB tank in 45 min recvd 23 bbls (thick) slick wtr & psi = 1900 psi, swap over to blooie line & saw no change in press, chokes were not the problem. RD 2.5" PS, TOOH w/ 15 stds tbg & break circ to see if fluid level is the problem, determine string float is plugged. TOOH & CO rust f/ top of string float, TIH w/ bit & 107 jts tbg, set bit @ 3508', RU 2.5" PS, break circ w/ air only @ 1400 psi, unload wtr off well thru out the night w/ air @ 900 psi.

02-15-2009

Recap: Unload wtr off well w/ air only to FB tank, record FB data, well is flowing 25 bph w/ air, SD air & see if well would flow on its own. TIH w/ 35 stds tbg & set bit @ 5032', break circ @ 1600 psi w/ air only, taking over 1 hr to break circ, circ 78 bbls & SD air TIH w/ 14 stds tbg & tag fill @ 5922', RU 2.5" PS & break circ w/ air only @ 1450 psi, unload head off of well to FB tank, unloaded 48 bbls, SU 10 bph a/s mist. CO 32' of fill & make conn, 1.5 hrs to break circ @ 1300 psi between conn, drill on 5.5" CIBP @ 5980' for 1.5 hrs & made approx 3" of hole. Pull up 1 jt off plug, swap over to FB tank, turn over to night crew. Unload wtr off well w/ air only, record FB data.

02-16-2009

Recap: Unload wtr off CHMEN w/ air, averaging 23 bph, record FB data. SU rig & equip, SU 10 bph a/s mist, DO 5.5" CIBP @ 5980', work pipe to keep it free, SD a/s mist & unload head off of PLO, 144 bbls in 2 hrs, SD air, RD 2.5" PS, TIH w/ 30 jts tbg & push remaining plug to 6936' PBTD, 213 total jts of 2 7/8" tbg, LD 24 jts 2 7/8" tbg onto float in sgls, TOO H w/ 3 stds & B/O upper string float, TOO H w/ 4 stds & set bit @ 5680'. RU TIW valve & Kelly hose, break circ w/ air only @ psi 1600 psi. Unload wtr off CH/MEN w/ air only to FB tank, strap tank every 1 hr to 2 hr & record FB data, transfer wt to FB tanks to frac tanks due to having no room in reserve pit, reserve pit is full of drlg mud & I do not have any more than 1' to work w/ before it is over the 2' free board.

02-17-2009

Recap: Unloading w/ air to FB tank @ 900 psi, record FB data. SU rig & equip, change oils in draw works, Hydrotarder & all Aztec engines on loc, unload well w/air @ 900 psi, take tank straps every hr, turn over to FB crew. Unloading w/ air to FB tank @ 900 psi, record FB data.

02-18-2009

Recap: Unload wtr off well to FB tank w/ air only, record FB data SU rig & equip, SD air, TIH w/ 39 jts tbg & tag fill @ 6930', TOO H w/ 39 jts tbg & set bit @ 5680', NF well to see if it would flow on its own, did not recover any wtr. **FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 160 Mcfd, Csg Psi = 1 oz on pitot gauge, Tbg Psi = 0 psi due to string float, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, (pitot 1 oz on 1st 2 readings & under 1 oz on last 2 readings, took four readings every 15 min).** SU air & unload well @ 1200 psi, turn well over to night crew, unload wtr off well to FB tank w/ air only, record FB data.

02-19-2009

Recap: Unload wtr off well w/ air to FB tank. SU rig & equip, unload wtr off well w/ air to FB tank, catch wtr sample @ 8:00 & 13:00 hrs to take into Halliburton's lab, transfer wtr to frac tanks, turn over to night crew. Unload wtr off well & record FB data.

02-20-2009

Recap: Unload wtr w/ air to FB tank & record FB data. SU rig & equip, unload wtr w/ air to FB tank & record FB data, transfer wtr from FB tank to frac tanks, catch 2 wtr samples, turn over to night crew. Unload wtr to FB tank, last hour well was down to 22 bph, SD air @ 16:30, drain up lines & SIWFN.

02-21-2009

Recap: SICP = 810 psi, SU air equip & blow well down to FB tank. Put hardline back together, break circ w/ air only @ 1200 psi. Unload well w/ air & record FB data, transfer wtr f/ FB tank to frac tank. SD air & drain up lines, SIWFN.

02-22-2009

Recap: SU rig & equip, SICP = 750 psi, blow well down to FB tank. Break circ w/ air only @ 1150 psi, recover a 52 bbl slug. Unload wtr off well w/ air, record FB data, SD air & 16:30, drain up lines & SIWFN.

02-23-2009

Recap SICP = 720 psi, blow well down to FB tank & noticed a leak in the flow line, repair line & blow well down. TIH w/ 39 jts tbg & tag @ 6900', LD 40 jts tbg (91 ttl jts on float), TOO H w/ 173 jts tbg, B/O bit & B/S, MU 2.875" 1/2 MS, one jt 2.875", J-55, 6.5#, EUE tbg, one 2.25" F-nipple, TIH w/ 172 jts 2.875", J-55, 6.5#, EUE tbg, (173 total jts). W/O Antelope to arrive on location. Land well @ 5658' KB, F-nipple set @ 5626', RD rig floor, NDBOP stack & NUWH & test @ 2000 psi, tested good. Drain up lines & SIWFN.

Note: Mesa Verde only completed, Dakota P&A 1-8-09, Mancos P&A 2-7-09

Due to crooked hole we have submitted and will wait for approval of a NSL application before production