

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SUNDRY NOTICE AND REPORTS ON WELLS

JAN 22 2009

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

Bureau of Land Management  
Farmington Field Office

5 Lease Designation and Serial No.  
Jicarilla Apache Contract #93

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

7 If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1 Type of Well  
Oil Well Gas Well ☒ Other

8 Well Name and No.  
Jicarilla 93 #12A

2 Name of Operator  
WILLIAMS PRODUCTION COMPANY

9 API Well No  
30-039-29804

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

10. Field and Pool, or Exploratory Area  
Blanco MV

4. Location of Well (Footage, Sec , T , R , M , or Survey Description)  
1850' FSL & 870' FWL, Sec. 34, T27N, R3W

11 County or Parish, State  
Rio Arriba, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent  
☒ Subsequent Report  
Final Abandonment

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
☒ 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 )\*

01-06-2009

Recap: MIRU, ND WH, well had 300 psi on csg, RU line to pit, bleed well down to pit. RU BWWC, RIW w/ 4-1/2" CBL tool, (didn't tag fluid until 4-1/2" liner, well is gassing lightly) tagged cmt @ 5805'. Ran CBL on 4-1/2" liner from 5805' back to TOL @ 3964'. TOC on 4-1/2" @ 5400'. POOW w/ CBL tool, RD BWWC, NU WH. Secure well, freeze protect equip, SDFN no accidents reported.

01-07-2009

Recap: RU lines to test csg, thaw out valves on wtr tank, thaw out & start rig pump, load csg w/ wtr, test csg to 1550 psi & hold for 30 min w/ no bleed off, good test. ND WH, NU frac valve & BOPE, NU blooie line. RU rig floor, power tongs & equip to run tbg. RU BWWC, RIW w/ 7" CBL tool, reading was not good, unable to run under press, BWWC didn't have bolts for press head & rig didn't have any that would fit. POOW w/ WL, secure well & loc, drain & freeze protect equip, SDFN.

01-08-2009

Recap: Thaw out valve on frac tank. RU BWWC, RIW w/ 7" CBL tool, press up on well to 700 psi, run CBL under press. TOC on 7" @ 2250'. RD BWWC, tally PU, MU & RIW (rabbit tbg while PU) w/ bit, bit sub & 180 jts 2-3/8" 4.7#, EUE J-55 tbg, tagged cmt @ 5810'. PU & RU 2.5 PS, break circ w/ FW, begin drlg out cmt. DO to 5875', LD 2 jts of tbg, secure well & equip, freeze protect equip & SDFN.

RCVD JAN 29 '09  
OIL CONS. DIV.  
DIST. 3

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

Signed

Larry Higgins

Title Drilling COM

Date 1-21-09

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by

Title

Date

FARMINGTON FIELD OFFICE

Conditions of approval, if any

NMOCB

10/30

## Page 2 - Jicarilla 93 #12A

01-09-2009

Recap: PU 2 jts 2-3/8" tbg & RIW, break circ w/ FW, DO cmt in 4-1/2" liner from 5875' to 6359'. (MOTE on loc, heated 10 frac tanks to 100 degrees) Circ well bottoms up & LD 3 jts of tbg. Secure well & equip, freeze protect equip & SDFN.

01-10-2009

Recap: TOOH & standback 194 jts 2-3/8" tbg RU BWWC, test csg & blind rams w/ rig pump to 2200 psi hold for 30 min w/ no leak off. RIW w/ 4-1/2" CBL tool, press up on well to 1000 psi, run CBL on 4-1/2" liner under press. POW w/ WL, RIW w/ perf gun, **perf PLO formation under press 1000 psi, bottom up. 5959' - 6264', w/ 3 3/8" SFG @ 1 SPF, .34" dia, 21" pen & 10 grm chgs, 2 gun runs w/ 38 total shots, all shots fired.** RD BWWC, ND BOPE, NU Frac Y. Secure well & equip, freeze protect equip, SDFN.

01-11-2009

Recap: RU BJ Serv to WH, psi test lines to 4000 psi. BD PLO formation @ 2072 psi, est rate @ 30 bpm @ 2200 psi, ISIP = 1763, BO PLO @ 2905 psi w/ 1000 gals 15% HCL acid & 60 RCN Balls, good action on BO, RU BWWC RIW w/ junk basket on WL, knockoff & recover RCN balls, 60 balls recovered. Frac PLO w/ 9300# LP 125 14/30 @ 0.1, 0.2 & 0.3 ppg, could only get injection rate to 29 BPM @ 3000 psi, called Kirk Place, told to increase max press to 3500 psi inj rate only went to 31 BPM @ 3517 psi, instructed to SD Frac, ISIP = 243 psi, 5 min = 113 psi, flush to top perf, MIR = 28 bpm, AIR = 28 bpm, MTP = 3517 psi, ATP = 2902 psi, total fluid to recover = 1983 bbls, RU BWWC RIW w/ perf gun, tagged fill @ 6085', 179' above bottom perf. POOW w/ WL (called Kirk & decision was made to RD BJ, CO well & prep to re frac). RD BJ, secure well & equip, freeze protect equip & SDFN.

01-12-2009

Recap: D Frac Y, NU BOPE, RU rig floor & tongs. PU, MU & RIW w/ 3-7/8" blade bit, bit sub & 102 jts 2-3/8", 4.7#, J-55 tbg, unload well w/ air @ 1450 psi, TIH w/ 90 jts, tagged fill @ 6198', 162' off FC @ 6360'. Unload well w/ air @ 2100 psi, start A/S mist @ 6 BPH, w/ 1/2 gal foamer & 1/4 gal corrosion inhibitor per 20 bbl wtr, returns are light frac material, 1/4 cup in 5 gal bucket tagged bridge @ 6245', 98' off FC, well is bringing back fine Lite Prop w/ some perforation debris. Stand back 5 stds of tbg. Secure well & equip, freeze protect & SDFN.

01-13-2009

Recap: SICP 300 psi, bleed well down to FB tank. TIH to 6262', break circ w/ A/S mist @ 6 BPH, w/ 1/2 gal foamer & 1/4 gal corrosion inhibitor per 20 bbl wtr, CO to PBTD @ 6360', well is bringing back fine Lite Prop circ well clean & pump 3 bbl sweep from 6360'. TOOH & std back tbg. Load hole w/ wtr. ND BOPE, NU Frac Y, prep for frac. Secure well & equip, freeze protect & SDFN.

01-14-2009

Recap: RU BJ Services to WH, psi test lines to 4000 psi. Attempt to est injection rate w/ wtr to frac PLO, could only get injection rate to 57 BPM @ 3650 psi, discussed w/ Tulsa Eng, decision was made to re-perforate PLO. RU BWWC, RIW w/ perf gun, **Perf PLO formation, 5964'-6134', bottom up w/ 3 3/8" SFG @ 1 SPF, .34" Dia, 21" Pen & 10 Grm Chgs, one gun run w/ 29 total shots, all shots fired** Est rate w/ wtr @ 80 bpm @ 2865 psi, spearhead 1000 gal 15% HCL. Frac PLO w/ 9380# LP 125 14/30 @ 0.1, 0.2 & 0.3 ppg, followed w/ 3070# brown sand 20/40, prop carried in slick wtr, MIR = 100 bpm, AIR = 99 bpm, MTP = 3650 psi, ATP = 2953 psi, ISIP = 300 psi, 5 min = 183 psi, 10 min = 139 psi, 15 min = 114 psi, total fluid to recover = 2839 bbls, WL set 4.5" CIBP @ 5940', psi test plug to 3000 psi. **Perforate CH/MEN, 5553'-5934', bottom up 1 SPF w/ 3 3/8" SFG, .38" Dia, 21" Pen & 10 Grm Chgs, 2 gun runs w/ 42 total shots, all shots fired.** Attempt to est. injection rate w/ wtr to frac CH/MEN, could only get injection rate to 5.8 BPM @ 3500 psi, w/ no BD, discussed w/ Tulsa Eng, decision was made to re-perforate CH/MEN. **Perforate CH/MEN, 5628'-5786', bottom up 1 SPF w/ 3 3/8" SFG, .38" Dia, 21" Pen & 10 Grm Chgs, 1 gun run w/ 22 total shots, all shots fired.** Est rate w/ wtr, BD CH/MEN @ 35 bpm @ 2578 psi, spearhead 1000 gal 15% HCL. Frac CH/MEN w/ 9380# LP 125 14/30 @ 0.1, 0.2 & 0.3 ppg, followed w/ 3070# brown sand 20/40, prop carried in slick wtr, MIR = 80 bpm, AIR = 75.7 bpm, MTP = 3517 psi, ATP = 3044 psi, ISIP = 900 psi, 5 min = 835 psi, 10 min = 794 psi, 15 min = 783 psi, total fluid to recover = 2533 bbls, --- RD BJ Services, flow well to FB tank @ 2" open line, well unloaded 400 bbls of wtr in 2 hours, filled FB tank. SI until morning. Secure well & equip, freeze protect equip.

01-15-2009

Recap: ND Frac Y, NU BOPE, thaw out lines to FB tank, empty FB tank. SICP 250 psi, blow well down to FB tank on 2" line. TIH w/ 3-7/8" tooth bit, bit sub & 100 jts 2-3/8" tbg. Unload wtr w/ air @ 1400 psi. TIH tag fill @ 5843' 97' off CIBP @ 5940'. Unload wtr w/ air @ 1800 psi. Std back 9 stds of tbg & pull above top perfs. Secure well & equip, freeze protect, turn over to FB hand, flow well to FB tank @ 2" line, well is making light wtr & light gas.

01-16-2009

Recap: PU 2.5 PS, TIH to 5830', 110' off CIBP. Unload wtr from well w/ air. CO to top of CIBP @ 5940' w/ A/S mist, NF well to FB tank. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 112 Mcfd, Csg Psi = .5 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. RIW tag top of CIBP, begin drlg on CIBP, drld about 4" & tbg press went from 900 psi to 2300 psi, LD 3 jts & press was still @ 2100 psi. Well unloaded a large amount of wtr & filled up 400 bbl FB tank. Called for wtr trucks to empty tanks. POOW w/ 30 stds of tbg, set bit @ 3941' pressured up on tbg to 1000 psi & well unloaded heavy wtr & increased gas flow. Secure well & equip, freeze protect, turn over to FB & air hand, flow well to FB tank @ 2" line, unload well every 3 hrs w/ air, well cont to make about 60 bbls of wtr each time it is unloaded.

01-17-2009

Recap: Flow well to FB tank @ 2" line, unload well every 3 hrs w/ air, well cont to make about 60 bbls of wtr each time it is unloaded. Unload well w/ air @ 1350 psi. RIW w/ 20 stds of tbg, unload well w/ air. RIW tag top of CIBP, unload well, break circ w/ 8 bph A/S mist begin drlg on CIBP, drld about 8" & CIBP began moving down hole. CO w/ A/S mist & push CIBP to bottom. Secure well & equip, freeze protect, turn over to FB & air hand. Well flowed nat @ 10 BPH all night.

01-18-2009

Recap: Flow well w/ NF to FB tank, well making 10 to 15 bbls per hr w/ good gas flow.

01-19-2009

Recap: Flow well w/ NF to FB tank, well is making 5 to 8 bbls per hr w/ good gas flow. RIW, check for fill, no fill. Unload well w/ air. TOOH, break off bit & bit sub. TIH w/ prod assembly as follows- 2-3/8" half mule shoe w/ exp check, 1 jt 2-3/8" 6.5# J-55 EUE tbg, 1.78" ID F-nipple & 196 jts of tbg Unload well w/ air Pull above top perf. Open well to blooie line, bucket test well, making about 8 BPH wtr w/ no sand. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 1065 Mcfd, Csg Psi = 3#, tbg psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Secure well & loc, freeze protect equip & SIFN.

01-20-2009

Recap: Travel to location. --- SM w/ rig crew, check & start equipment, SICP 1100 psi, bleed well down to flowback tank. --- unload well w/ air to flowback tank. -- TIH to PBTD, check for fill, no fill, unload well w/ air. --- LD 3 jts of tbg. --- PU tbg hanger, Land well as follows, 2 3/8" half muleshoe, 1 jt 2 3/8" 4.70# J-55 EUE 8rnd tbg, 1.78 I.D. F-nipple & 193 jts 2 3/8" 4.70# J-55 EUE 8rnd tbg. EOT tbg @ 6270', F-nipple @ 6237'. --- ND BOPE, ND Blooie line, NU WH, test inner seal on tbg hanger to 3000 psi, hold for 15 min. --- Tie air package to WH, pump off exp check, check for flow, good flow. --- RD surface equipment, lower derrick, prepare for rig move to Jicarilla 92 # 8A. FINAL REPORT FOR JICARILLA 93 # 12A.