

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

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 APPLICATION TO DRILL for permit for such proposals

RECEIVED  
070 FARMINGTON NM

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator  
WILLIAMS PRODUCTION COMPANY
3. Address and Telephone No.  
PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 561-6254
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
965' FSL & 1470' FWL, SE/4 SW/4, SEC 23 T31N R6W

5. Lease Designation and Serial No.  
SF-078771
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation  
ROSA UNIT
8. Well Name and No.  
ROSA UNIT #202
9. API Well No.  
30-039-24393
10. Field and Pool, or Exploratory Area  
BASIN FRUITLAND COAL
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 Cavitation Complete

- 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.)\*

03-09-2004 MIRU, NDWH, NU BOP stack, string & NU blooie line. Pull 20 stds of 2-7/8" tbg, secure location, SDON.

03-10-2004 TOOHH w/ remainder of tbg, pull DP out of basket, strap, TIH w/ TIW screw in sub, tag liner top. Screw into liner hanger, work pipe up to 30,000# over string weight, liner pulled free. TOOHH to liner hanger, SWI, secure location, SDON.

03-11-2004 Blow well down through 2" line, pressure 550 psi, RU San Juan csg crew to LD 5 1/2" liner. LD 8 jts 5 1/2" liner, RD csg crew. Strap & caliper DC's. PU DC's, TIH w/ DP, tag @ 2836', TD = 3061'. PU power swivel, unload well w/ air mist. CO @ 2836', returns med 3/8" coal to fines in brown water, CO to TD - 3061', returns med reducing to light coal in brown water, dry well. LD 8 jts DP, SWI, turn well to sales line, secure location, SD until Monday.

03-15-2004 TIH, tag 8' fill. CO @ TD w/ air mist, returns light coal fines in brown wtr. LD 7 jts DP, pull into 7" csg. Surge w/ air mist to 570 psi, 1 1/2 hr pump time, returns light coal in brown wtr. Repair blooie line. Surge w/ air mist to 600 psi, 1 1/2 hr pump time, returns light coal in brown wtr, SWI for natural surge, secure location SDON.

Continued on Back

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

Signed Tracy Ross  
TRACY ROSS

Title SR. Production Analyst

Date July 13, 2004

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

FARMINGTON FIELD OFFICE

BY [Signature]

03-16-2004 Release natural surge, pressure 550 psi, returns coal fines & mist. Surge w/ air mist 5 times, pump time 1 ½ hrs, pressure to 650 psi, returns light coal fines & hvy mist, SWI for natural surge, secure location, SDON.

03-17-2004 Release natural surge, pressure 550 psi, returns coal fines & mist. TIH, tag 5' fill, CO @ TD, returns light 1/8" coal to fines in gray wtr. LD 8 jts DP, hang swivel back, TOO H to DC's. Surge w/ air mist 2 times, pump time 1 ½ hrs, pressures to 650 psi, returns 1<sup>st</sup> surge light coal fines, 2<sup>nd</sup> surge med ¼" coal to fines in blk wtr, SWI for natural surge, secure location, SDON.

03-18-2004 Release natural surge, pressure 550 psi, returns lt coal fines. Surge w/ air mist to 650 psi, pump time on 1<sup>st</sup> surges 1.5 hrs, returns lt coal fines in gray wtr. 2<sup>nd</sup> two surges, pump time 2 hrs w/ 12 bbl slug of wtr after 1 hr, pressure to 680 psi, returns lt to medium ¼" coal to fines in blk to brown wtr, SWI for natural surge. SDON.

03-19-2004 SICP overnight 550 psi. Natural surge, rets light coal & wtr, flow well for 1 hr. Surge well from surface w/ 8 bph a/s mist @ 650 psi, 5 bbl energized pad @ start, 5 bbl pad @ 400 psi, & 5 bbl pad @ 600 psi, rets trace to light coal & shale, light wtr, flow well for 1 hr. Natural surge from surface, 2 hr SI = 460 psi, rets light coal & shale, about 60 % shale, heavy gray wtr, run bucket test & making approximately 19 bph gray soapy wtr, nat flow well for 1 1/2 hr. SD till Monday

03-22-2004 TOO H w/ DC's, RU power swivel. Natural surge from surface, surge from surface w/ air/soap mist & two pads, natural surge from surface, SI well for night.

03-23-2004 Natural surge, RD power swivel, TIH w/ bit. RU power swivel, PU 6 jts, tag @ 3043'. CO 17' of fill, run two sweeps. LD 6 jts 2 7/8" DP. Surge from shoe, natural surge from shoe, SI well for night.

03-24-2004 Natural surge, rets trace coal & light black wtr. Surge from shoe w/ 10 bph a/s mist & two energized pads @ 670 psi, rets light coal & light gray wtr, flow natural for 45 min. PU 6 jts 2 7/8" DP, tag fill @ 3050'. Break circ w/ 10 bph a/s mist, CO 10' of fill to 3060' rets med coal & black wtr, run two 5 bbl sweeps, rets light coal & wtr. Blow well dry. LD 6 jts 2 7/8" DP, RD power swivel, change over to 2 lines, TOO H w/ bit, lock same in top rams. SI for natural surge, 2 hr SI = 400 psi, rets light to med coal, 1/8" to ½" in size, med black wtr, flow natural for 30 min. SI well for night

03-25-2004 SICP = 520 psi. Natural surge, rets med coal 3/8" to ¾" in size & med black wtr, flow natural for 45 min. Surge f/ surface @ 700 psi w/ 10 bph a/s mist & three 5 bbl soap pads @ start, @ 400 psi & @ 600 psi, rets heavy coal, ran steady for 10 min, med black wtr, flow natural for 1 hr. SI for natural surge, 2 hr SI = 460 psi, rets med coal & heavy black wtr for first 30 min, flow natural for 1 1/2 hr, run bucket test, well making 14 bph gray wtr. SI for natural surge, 2 hr SI = 460 psi, rets med coal & med wtr, flow natural for 1 hr, SI well for night

03-26-2004 SICP = 520 psi. Natural surge, rets med coal, med wtr, flow natural for 45 min. Surge from surface @ 650 psi, w/ 10 bph a/s mist & three energized pads, @ start, @ 400 psi & @ 600 psi, rets med to heavy coal ½" in size, heavy wtr, flow natural for 2 hrs, flow light coal to surface steady. Energize surge @ 600 psi, w/ 10 bph a/s mist & two 5 bbl pads, rets med to heavy coal ½" in size & med wtr. SI for natural surge, 1 hr SI = 400 psi, rets med coal, ½" to 1" in size, heavy black wtr, SDFWE.

03-29-2004 Bleed well down, RD power swivel. TIH w/ bit to 2887', tie back to single line, RU power swivel, PU 6 jts off rack, tag fill @ 3048'. Break circ w/ 10 bph wtr, 1 gal per hour soap a/s mist, well ran ½" to ¾" coal approx 45 min, CO 12' of fill, rets med coal & light shale. Blow well dry, well making approx 15 bph. LD 6 jts 2 7/8" DP on rack, RD power swivel, change back to 2 lines. TOO H w/ bit, lock same in top rams. Started natural surge, HCR's were leaking, work on them & stop 90% of leak, order new HCR's from Knight Oil. Natural surge from surface 1 ½" hr SI = 440 psi, rets light fine coal, light wtr, flow natural for 1 hr.

03-30-2004 SICP = 500 psi. Natural surge from surface, rets light coal 1/8" in size, heavy thick black wtr, flow natural for 1 hr. SI for natural surge, change out HCR & manual valves, load old ones on Monarch to take back to Knight Oil, 4 hr SI = 460 psi, rets med coal, heavy thick black wtr, one of the new HCR valves has broken welds, take it off & wait on new one. Natural surge, 2 hr SI = 440 psi, rets light coal ¼" in size, flowed back light coal & med wtr for 1 hr, install new HCR, SWIFN.

03-31-2004 SICP = 520 psi. Natural surge from surface, rets med coal med wtr, flow natural for 1 hr, well making light coal constant. Surge from surface @ 600 psi, w/ 10 bph a/s mist & two 5 bbl pads, one @ 100 psi, one @ 400 psi, rets heavy coal & heavy black wtr, flow natural for 1 hr, well making light coal constant. Natural surge, 2 hr SI = 500 psi, rets light to med coal & flowed thick black wtr. Natural surge, 2 hr SI = 480 psi, rets trace coal & no wtr on surge, after appr. 25 min, flow 6 bph wtr & light coal, natural flow for 1 ½ hrs, SI for night.

04-01-2004 SICP = 500 psi. Natural surge, rets light coal & light wtr. Surge from surface @ 740 psi, w/ 12 bph a/s mist & two 5 bbl pads, rets med coal ¼" in size, light wtr, flow nat for 1 hr. Surge well @ 760 psi, w/ 12 bph a/s mist & three 5 bbl pads, rets heavy coal & med wtr, flow nat for 1 hr, smaller flare, well acts like it has bridged. SI for natural surge, 2 hr SI = 460 psi, rets med coal & light wtr, flow nat for 1 hr, turn over to night crew. Surge well w/ 10 bph a/s mist @ 600 psi, rets med coal & light wtr, flow natural for 1 hr. Surge well w/ 10 bph a/s mist @ 600 psi, rets light coal & wtr, coal was appr 1/4" in size, flow nat for 1 hr. Surge well w/ 10 bph a/s mist @ 600 psi, ret coal dust & coal appr. 1/8" in size, real light wtr, flow nat for 1 hr. SI for natural surge.

04-02-2004 Well SI for natural build up. SI for natural surge, 3 hr SI = 480 psi, rets light coal & wtr, flow nat for 2 hrs. Natural surge, 4 hr SI = 490 psi, rets light to med coal & light wtr, flow nat 1 hr. SI for natural surge, 3 hr SI = 460 psi, Aztecs mechanics work on rig motor, rets light coal & wtr, flow nat for 1 hr. RD power swivel, unlock rams. TIH w/ bit to 2887', tie back on single line. RU power swivel, PU 6 jts 2 7/8" DP, tag fill @ 3046'. Break circ w/ 10 bph a/s mist, well brought back light to med coal appr. 45 min, CO 14' of fill to 3060', rets ½" to 1" in size, run two five bbl sweeps. LD 5 jts 2 7/8" DP, set bit @ 2919', turn well over to night crew. Surge well w/ 12 bph a/s mist & two 5 bbl pads @ 700 psi, rets light coal & light wtr, flow nat for 1 hr. Surge well w/ 10 bph a/s mist @ 450 psi, rets light coal & light wtr, flow nat for 1 hr. SI for nat surge, 2 hr SI = 460 psi, rets med coal & light wtr

04-03-2004 Surge well from shoe w/ 10 bph a/s mist @ 450 psi, rets light coal & wtr, flow natural for 1 hr. SI for natural build up. SICP 4 hrs = 480 psi. Natural surge, rets med coal & light wtr, flow nat for 1 hr. Surge f/ shoe @ 860 psi w/ 10 bph a/s mist & three 5 bbl pads, rets heavy coal & light wtr, well acted like it was loaded up, flow nat for 1 hr. SI for nat surge, 2 hr SI = 460 psi, rets med coal & heavy wtr, flow nat for 1 hr. Nat surge, 2 hr SI = 500 psi, rets light coal & wtr, flow nat for 30 min, turn well over to night crew. Surge well w/ 12 bph a/s mist @ 625 psi, rets med coal 1/2" in size, med black wtr, flow nat for 30 min. Nat surge, 2 hr SI = 600 psi, rets light to med coal & med wtr, flow nat for 1 hr. Surge well two more times w/ 10 bph a/s mist, 1st surge @ 625 psi, rets light coal & wtr, 2nd surge @ 600 psi, rets med coal & wtr, flow nat 30 min each time.

04-04-2004 Natural surge, 1 1/2 hr SI = 480 psi, rets light coal & heavy black wtr, flow nat for 1 1/2 hr. SI for nat build up. SICP = 550 psi. Natural surge, rets light coal & light wtr. PU 5 jts 2 7/8" DP, tag bridge @ 3022'. Break circ w/ 10 bph a/s mist, CO bridge & 12' of fill f/ 3048' to 3060', run one 5 bbl sweep, rets light coal 1/8" in size, blow well dry for 1 hr. LD 6 jts DP, RD power swivel, change over to 2 lines. TOOH w/ bit, lock same in top rams. Try an air only break over @ 660 psi, rets med coal & light wtr, flow nat for 1 hr. SI for natural surge, 2 hr SI = 630 psi, rets light coal 1/8" in size & light wtr, flow nat for 1 hr. Two surges f/ surface, 1st surge @ 680 psi w/ 12 bph a/s mist, rets med coal, light wtr, 2nd surge 12 bph a/s mist @ 700 psi, rets med coal & wtr, flow nat for 1 hr each surge.

04-05-2004 Surge from surface w/ 12 bph a/s mist @ 650 psi, rets med coal & light wtr, flow natural for 1 hr. SI for natural build up. SICP = 520 psi. Natural surge, rets light coal & wtr. Surge well @ 720 psi, w/ 10 bph a/s mist & two 5 bbl pads, rets med coal & light wtr, flow nat for 30 min. Surge well @ 760 psi, w/ 12 bph a/s mist & three 5 bbl pads, rets med to heavy coal & light wtr, flow nat for 1 hr, well almost acts logged off w/ soap & wtr. Nat surge, 1hr SI = 360 psi, rets light to med coal & med wtr, flow nat for 30 min. Surge well @ 650 psi w/ 12 bph a/s mist, rets med coal & light wtr, flow nat for 30 min turn well over to night crew. SI for nat surge, 2 hr SI = 460 psi, rets light coal & med wtr, flow nat for 1 hr. SI for nat surge, 2 hr SI = 500 psi, rets light coal & heavy wtr, flow nat for 1 hr. SI for nat surge, 2 hr SI = 500 psi,

04-06-2004 SI for nat surge, 3 hr SI = 500 psi, rets light to med coal appr. 1" in size, light wtr. SI for nat build up. SICP = 500 psi. Nat surge, rets heavy coal, 1/2" to 2" in size, med wtr, flow nat for 1 hr. Surge well f/ surface @ 1400 psi in 30 min because well was bridged off, rets heavy coal, med wtr, flow for 30 min. Work on bridge by pressuring up to 1400 psi, SI till psi would break to 900 psi, surge well, tried this three times, bridge came to surface & bridged off again. Circ down DC & work DC & bit till well would unload, kept bit rotating, coal would bridge off inside BOP's, repeated this three times till bridge came free, rets heavy coal 1" to 6" in size, flow nat for 2 hr. SI for natural surge, 3 hr SI = 480 psi, rets med coal appr. 1/2" in size & med wtr, flow natural for 1 hr. Surge well f/ surface @ 700 psi w/ 10 bph a/s mist, rets heavy coal, well bridged off, small flare

04-07-2004 Natural surge f/ surface, 2 hr SI = 440 psi, rets heavy coal light wtr, well bridged off. SI for nat build up. SICP = 500 psi. Natural surge, rets heavy coal, no wtr, well bridged off @ surface. Take blooie lines apart, CO coal from blooie lines & HCR valves, coal was from 2" to 6" in size, put lines back together. SI for nat surge, 2 hr SI = 480 psi, rets ran heavy coal appr. 3/4" in size for 5 min, med wtr, best surge yet, flow nat for 1 hr. RD power swivel, unlock BOP's. TIH w/ bit to 2887'. RU power swivel, tie back on single line. PU 5 jts 2 7/8" DP, tag fill @ 3012', break circ w/ 10 bph a/s mist, circ med coal appr 1/2" in size for 1 1/2 hr @ 3012', CO to 3045', power swivel lost its high-pressure valve couldn't torque past 900 psi. LD 6 jts 2 7/8" DP, set bit @ shoe, work on power swivel, turn over to night crew. Surge f/ shoe four times @ 450 psi w/ 12 bph a/s mist, 1st two surges brought back med coal & light wtr, 2nd two surges brought back light coal & wtr, flow each surge for 1 hr.

04-08-2004 SI for natural surge, 2 hr SI = 480 psi, rets med coal, light wtr, flow nat for 1 hr. SI for natural build up. SICP = 460 psi. Natural surge, rets med coal appr. 1/2" in size, light wtr, flow nat for 1 hr. RD power swivel, change over to 2 lines. TOOH w/ bit, lock same in top rams. RU power swivel. Surge f/ surface @ 700 psi w/ 10 bph a/s mist, rets med coal & light wtr, flow natural for 1 hr. Surge f/ surface @ 580 psi w/ 10 bph a/s mist & one five bbl pad, rets heavy coal 3/4" in size, med wtr, flow natural for 1 hr, turn over to night crew. Natural surge well while roustabouts tear down sound walls, 3 hr SI = 440 psi, rets light coal & light wtr, flow nat for 1 hr. Surge well f/ surface @ 460 psi w/ 12 bph a/s mist, rets med coal 3/4" in size, heavy wtr, wtr brought med coal back for appr. 20 minutes & light coal for appr. 1 1/2 hr, flow nat for 2 1/2 hr. SI for natural surge.

04-09-2004 SI for natural surge, 2 1/2 hrs SI = 460 psi, rets hvy coal & light wtr, flow natural for 1 1/2 hrs, well flowed light to med 1/2" size coal for 45 min. SI for natural build up. SICP = 460 psi. Natural surge, rets med to heavy coal & med wtr. Surge f/ surface @ 700 psi w/ 10 bph a/s mist & two 5 bbl pads, 1st @ start, 2nd @ 450 psi, rets med coal & med wtr, well flowed fine to 1/2" size coal for 20 min, flow nat for 1 hr. Surge well @ 700 psi w/ 10 bph a/s mist & three 5 bbl pads, rets heavy coal appr. 3" to 4" in size, bridged off @ surface, pressured to 400 psi pumped 4 bbls wtr, did this process three times & bridge came free, flow nat for 1 hr. SI for natural surge, 2 hr SI = 460 psi, rets heavy coal & med wtr, well bridged off, pressure to 500 psi & pump 5 bbls of wtr, bridge came free, flow natural for 1 hr, turn over to night crew. SI for natural surge, 2 hr SI = 440 psi, rets heavy coal & med wtr, flow natural for 1 hr. Surge well @ 500 psi w/ 12 bph a/s mist, rets med coal & med wtr, flow natural for 1 hr. Surge well @ 500 psi w/ 12 bph a/s mist, rets heavy coal & med wtr, well bridged off, pressure well to 1000 psi, bridge broke loose, flow natural for 1 1/2 hrs.

04-10-2004 SI for natural surge, @ hr SI = 450 psi, rets med coal & lt wtr, flow natural for 1 hr. SI for natural build up. SICP = 450 psi. Natural surge, rets heavy coal, HCR valves bridged off, #2 came free, flow natural for 1 hr. SI blind rams, take blooie line off #1 HCR, CO valve. Surge well f/ surface @ 650 psi w/ 10 bph a/s mist rets med coal & wtr, flow natural for 1 1/2 hr. Try to pitot well but the pound gauge would not work & the ounce gauge would peg out. Open HCR valves, run bucket test, well making appr. 14 bph thick black wtr, natural flow well to get wtr off.

04-12-2004 Surge well f/ surface @ 700 psi w/ 10 bph a/s mist, rets med coal & light wtr, well acts like it is logged off. SI for natural surge, 1 hr SI = 300 psi, rets med coal & med wtr, flow nat for 1 hr. RD power swivel, unlock rams. TIH w/ bit to 2887'. RU power swivel, tie back on single line, PU 6 jts 2 7/8" DP, tag fill @ 3040'. Break circ w/ 10 bph a/s mist, CO 15' of fill to 3055', power swivel lost torque, PU 15' & blow well dry. LD 6 jts DP, set bit @ shoe, RD power swivel & wait on mechanic.

04-13-2004 PU 6 jts 2-7/8" DP, tag fill @ 3040'. Break circ w/ 10 bph a/s mist, CO 10' of fill & power swivel went down again, circ hole clean. LD 1 jt DP, circ hole, wait on new swivel. RD old swivel, RU new swivel. PU 1 jt 2-7/8" DP, CO 13' of fill from 3047' to 3060', run two 4 bbl sweeps, PU 15'. Blow well dry, LD 6 jts DP, set bit @ shoe.

04-14-2004 PU 6 jts DP, tag 3' of fill, break circ w/ 10 bph a/s mist, CO fill & circ hole clean. LD 6 jts 2 7/8" DP, RD power swivel, change over to two lines. TOO H w bit, LD 8 DC's. RU San Juan Csg crew, MU liner hanger & setting tool. PU & MU 5 1/2" liner, RD csg crew. TIH w/ 5 jts 5 1/2" liner, (218.75') tag fill @ 3048'. Break circ w/ 12 bph a/s mist, work liner down to 3058', set liner hanger, TOL @ 2833.5', LD 6 jts DP. TOO H LD 2 7/8" DP in pipe basket. RD power swivel, get everything ready to perf in the A.M.

04-15-2004 SICP = 500 psi. RU Computalog to perforate. Perforate 5 1/2" liner w/ 3 1/8" HSC guns from 2900' to 2920' (80 shots), 2919' to 2929' (40 shots), 2931' to 2941' (40 shots), 2941' to 2961' (80 shots), 3030' to 3043' (64 shots), 3043' to 3059' (64 shots), 368 total shots, 12.5 grm, 0.44", 14" pent, all shots fired, RD perforators. Tally 2 7/8" tbg in derrick, TIH, w/ notched collar, 10' sub, 2.25" SN, w/ pump out plug, 92 jts 2 7/8" tbg, one 6' sub & one 4' sub. Wait on Antelope to bring out new well head & doughnut. Put on new doughnut & land well, notched collar @ 3049', TD @ 3058' & SN @ 3038', ND BOP's & NU & test WH to 3000 psi. Pump out plug @ 450 psi. Turn well to production department, release rig.

# ROSA UNIT #202 BASIN FRUITLAND COAL

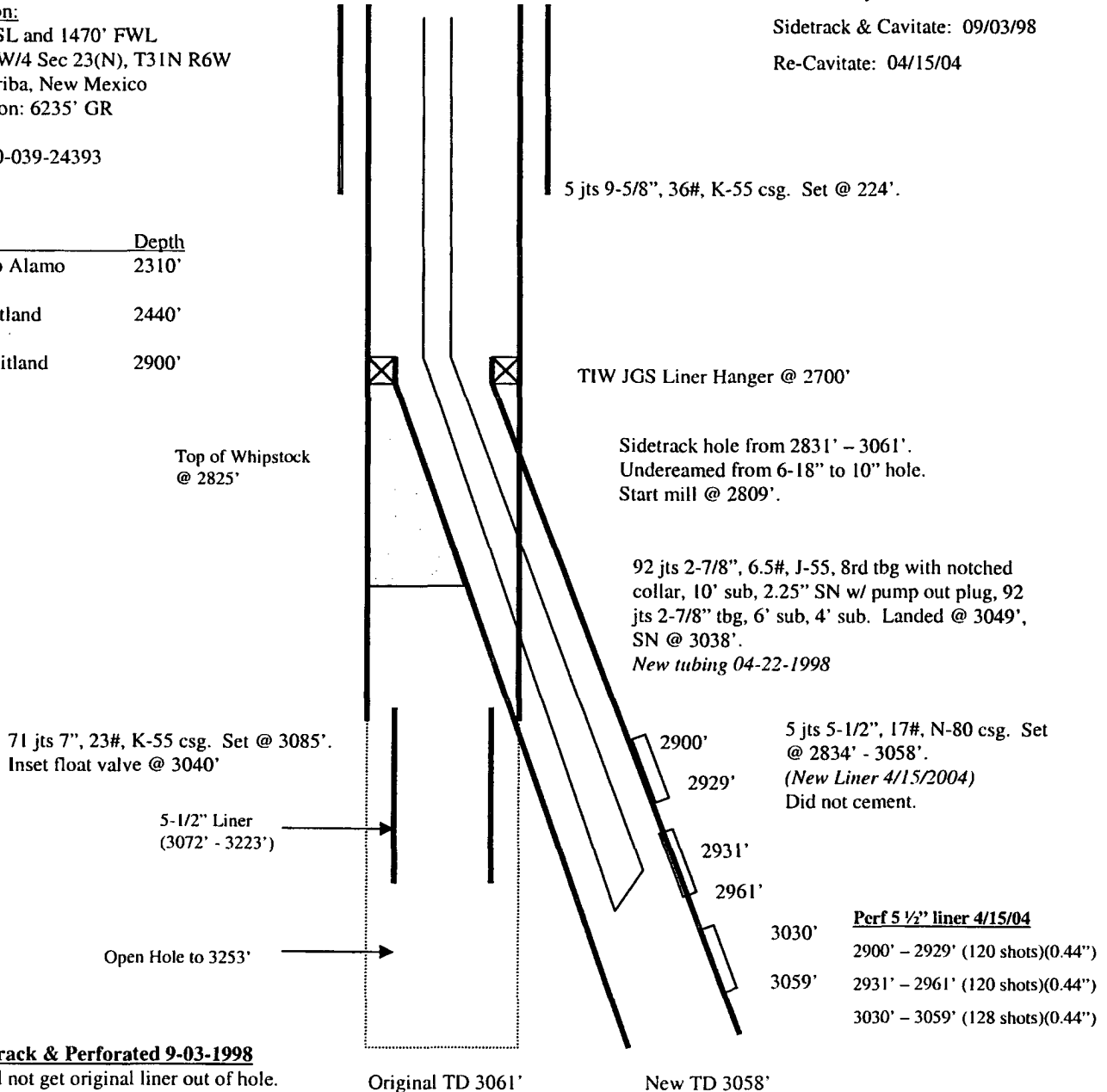
Spud: 05/21/90  
Completed: 04/18/91  
1st Delivery: 12/10/92  
Sidetrack & Caviate: 09/03/98  
Re-Caviate: 04/15/04

## Location:

965' FSL and 1470' FWL  
SE/4 SW/4 Sec 23(N), T31N R6W  
Rio Arriba, New Mexico  
Elevation: 6235' GR

API: 30-039-24393

Top	Depth
Ojo Alamo	2310'
Kirtland	2440'
Fruitland	2900'



## **Sidetrack & Perforated 9-03-1998**

Could not get original liner out of hole.  
Set whipstock and sidetracked hole.  
Perforated intervals 3205' - 3250' and  
3105' - 3165' with 4 spf, 0.75" dia.

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	188 cu. ft.	Surface
8-3/4"	7", 23#	473 sx	1188 cu. ft.	Surface
6-1/4"	5-1/2", 15.5#	Did Not Cmt		