

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

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 37-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FNL and 2415' FEL NW/4 NE/4 SEC 16-31N-06W

5. Lease Designation and Serial No.
SF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #274

9. API Well No.
30-045-27963

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State
SAN JUAN, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

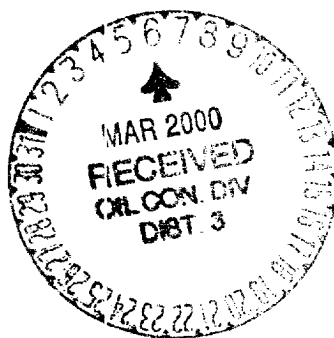
TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Sidetrack & Caviate

☐ 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.)*

Williams Production Company plans to caviate this well as per the attached procedure on or about April 1, 2000



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

Signed Tracy Ross
TRACY ROSS

Title Production Analyst Date February 23, 2000

(This space for Federal or State office use)

Approved by /s/ Cherie Beucham

Title _____

Date MAR 2 2000

Conditions of approval, if any:

2/23/2000

WILLIAMS PRODUCTION COMPANY
SIDETRACK & CAVITATION PROGNOSIS
ROSA 274

Purpose: To sidetrack and cavitate this Fruitland Coal zone.

Note: 5-1/2" casing will be sidetracked, cavitated, and lined with 4" Flush Joint.

1. Notify BLM 24 hours to moving in.
2. MIRUSU. Nipple up pneumatic actuated BOP's, 2 blooie lines, pneumatic working valves and 2 - 7" blooie lines. Anchor blooie lines securely. Test BOP's. Fill rig tank with produced water. Do not filter water unless necessary.

Notify mud loggers.

NOTE: Casing in this well is 5-1/2", 15.5#, K-55. Will need to rent 2-7/8" drill pipe work string. Order 6 jts ($\pm 252'$) of 4" 11.0# Bradford FL-3S or FL-4S liner to run back in. 2-3/8", 4.7#, EUE will fit inside this. However if we can only get 11.6# FL-3S or FL-4S will have to go with smaller tbgs such as 2-3/8" non upset. Two week lead time for liner.

Liner will be pre drilled (bottom 3 joints). Two week lead time.

3. Rig up air package.
4. TOOH w/ 2-3/8" tubing.

SIDETRACK Objective

KICK OFF @ 3010' (208' above current TD) INSIDE 5-1/2" CASING. DRILL TO NEW TD = 3176'

Use mud loggers while drilling to determine base of bottom coal.

LAND 4" FL-3S or FL-4S 11.0# CASING FROM SIDETRACK TO TD w/ $\pm 50'$ -70' overlap

5. On wireline set 5-1/2" CIBP at kickoff depth just above a casing collar at a point with good cement bond, $\pm 3010'$.
6. Refer to sidetrack supplier for recommended procedure. Pick up Whipstock(anchorstock) slide assembly and starter mill. TIH with 2-7/8" DP, 4-3/4" Drill Collars and one joint high grade drill pipe below drill collars. Refer to manufacturer's specs for all recommended milling weights, number of drill collars and RPM.
Tool length=16', Anchorstock whip=8' length, 3° whip face angle
7. Set bottom of slide assembly at 3010' by applying pressure down drill string. Approximately 3500 psi. May need pump truck.
8. Shear off from slide assembly. Approximately 45,000 psi over drag weight. Begin milling with starter mill.

Mill as per manufacturer's recommended procedure. Circulate with water.

a. Run starter mill with joint of high grade drill pipe, S-135, below drill collars. Drill approx. 16".

b. Run window mill with joint of drill pipe below drill collars. Mill length of whip face plus 10' into formation.

c. Run window mill and watermelon mill on drill collars. Make several passes through window to clean up burrs. Ream until smooth with no drag.

9. Displace water with foam. Take deviation surveys until 5°-6° is reached. TOH.
10. Do not rotate a bit or stabilizer down the whip face.
11. TIH with 4-3/4" bit, near bit stabilizer and drill collars. Drill enough hole depth to pass the packed BHA through window. TOH.
12. TIH with 4-3/4" bit and packed bottom hole assembly (stiff) on DP to maintain deviation. Displace water with gas. Continue normal drilling operations to NEW TD of 3176' taking frequent surveys. TOH.
13. Run mud loggers while drilling and to determine TD, bottom coal.
14. Underream out of 5-1/2" casing to 8-1/2" open hole.
15. Blow wellbore clean and check for fill. TOH.
LDDP and collars.
16. Pickup 2-7/8" drill pipe w/ 4-3/4" bit. TIH w/drill pipe and clean out to TD.

CAVITATE

17. Run 5 to 10 bbl sweeps using soap as necessary.
18. PU bit inside 5-1/2" casing. Pressure up hole to maximum pressure then open to atmosphere. Repeatedly surge well. SI for buildup after surging about 5 times.

Record any breaks. Record accurate buildup pressure and gauges after each cycle. Repeat until gas production no longer increases, 2 – 3 weeks.
Maximum 3 weeks on location.
19. TOH w/ 4-3/4" bit and 2-7/8" DP.
20. Notify Dante Vescovi with TIW to run liner.
PU 4" FLS liner on 2-7/8" DP; bottom 4 joints pre drilled w/ 4 holes/ft. Run in with JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner @ new TD of 3176' with ±50' overlap in 5-1/2". TOOHH w/ DP and LD.
21. TIH and mill out aluminum plugs in 4". TOH
22. PU tbg string 2-3/8", 4.7#, J-55, 8rd, EUE tbg and RIH. Land tubing @ ±3130'. **Careful going in 4"**
23. ND BOP and NU wellhead. Shut well in for buildup.
24. Clean up location and release rig.

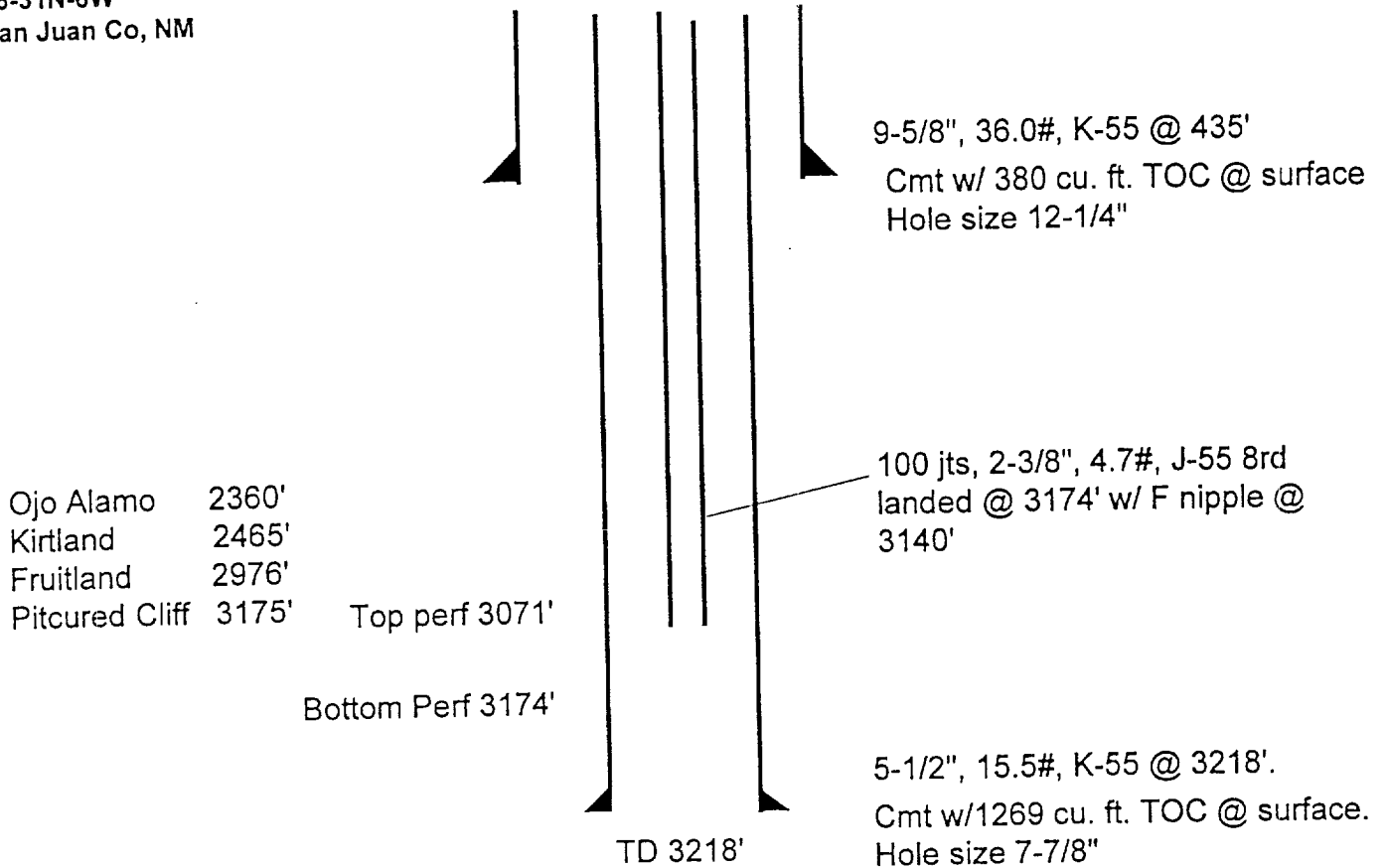
Sterg Katirgis
Senior Engineer

WELLBORE DIAGRAM

ROSA #274

790' FNL 2415' FEL
16-31N-6W
San Juan Co, NM

Elevation: 6352' GL
KB 12'



Perf Fruitland 3071'-77', 3082'-94', 3104'-11', 3134'-38', 3158'-64', 3172'-74'.
Stimulation 224,400# 20/40, 12,400# 40/70 in 86,900 gal of x-link gel.