

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

- 5. Lease Designation and Serial No.
SF-078772
- 6. If Indian, Allottee or Tribe Name
- 7. If Unit or CA, Agreement Designation
ROSA UNIT
- 8. Well Name and No.
ROSA UNIT #238
- 9. API Well No.
30-039-24501
- 10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL
- 11. County or Parish, State
RIO ARRIBA, 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 37-4, TULSA, OK 74101 (918) 588-4592
- 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2045' FSL & 1960' FEL, NW/4 SE/4, SEC 3 T31N R6W

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>FRAC, STIMULATE PERFORATIONS</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> 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 fracture stimulate this well as per the attached procedure. The well was originally perforated but not stimulated.

RECEIVED
FEB 17 1998

OIL CON. DIV.
DIST. 3

RECEIVED
BLM
070 FARMINGTON, NM
09 FEB -9 PM 1:09

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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK Date February 6, 1998

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer

Title _____ Date FEB 12 1998

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BMOC

GENERAL INVESTIGATIVE
DIVISION
FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE

WASHINGTON, D. C. 20535

4000X

2/3/98

WILLIAMS PRODUCTION COMPANY
COMPLETION PROGNOSIS
ROSA 238

Purpose: To complete the Fruitland Coal zone.

1. Notify BLM 24 hours prior to moving in.
Check rig anchors and repair as necessary.
Spot and fill 2- 400 bbl tanks with 1% fresh KCl water. Do not filter water unless necessary. Filter water to 25 microns if necessary. One tank will be gelled.
Set flow back tank and dig pit if needed. **Fence and line any pits dug.**
Order out extra tubing.
2. MIRUSU. Nipple up BOP, blooie line, working valves and 2" relief line. Test BOP.
3. RIH w/ tubing to PBDT and check for fill. Clean out to PBDT @ 3162'. TOH.
4. TIH with 4-1/2" Packer on tubing. Set at 2800' and pressure test entire casing to 3300 psi and hold for 15 minutes. TOH.
5. CBL-CCL ran 1990 prior to perforating. OK
6. Rig up pump trucks and fracture stimulate the Fruitland Coal down casing with 80,000# 20/40 Arizona sand using a 70 quality foam (TRANSFOAM). Initial injection rate of 40 BPM rate down casing as follows.

CONFIRM ALL VOLUMES ON LOCATION

<u>STAGE</u>	<u>FLUID (gals)</u>	<u>DOWNHOLE FOAM (gals)</u>	<u>SAND (lbs)</u>
Pad	3,000 gals	10,000 gals	-
1.0 ppg	3,000 gals	10,000 gals	10,000#
1.5 ppg	3,000 gals	10,000 gals	15,000#
2.0 ppg	3,000 gals	10,000 gals	25,000#
3.0 ppg	3,000 gals	10,000 gals	30,000#
Flush	<u>(4,949 gals)</u>	-	
	19,949 gals	<u>50,000 gals</u>	<u>80,000 #</u>

Maximum injection rate = 40 BPM or greater at maximum STP =3300 psi.

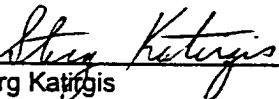
All frac fluid to contain 20 PPT of Guar Gel, 1 PPT of Breaker, 5 GPT Foaming Agent

SI well in for minimum of 3 hours to allow gel to break. Record ISDP and 15 minute shut in pressure if not on vacuum.

Flow back initially through 1/4" choke. Then gradually open as pressure drops.

7. TIH with bit on tubing and clean out to PBDT. Obtain pitot gauge when possible.

8. When clean, TIH w/ 2-3/8", 4.7#, J-55, 8rd, EUE tubing w/ notched collar on bottom and SN 1 joint up. Land tubing at 3100'. Pump out plug if used and reverse circulate clean. Obtain pitot tube gauge.
9. ND BOP and NU wellhead. Shut well in for buildup.
10. Cleanup location and release rig.



Sterg Katirgis
Senior Engineer

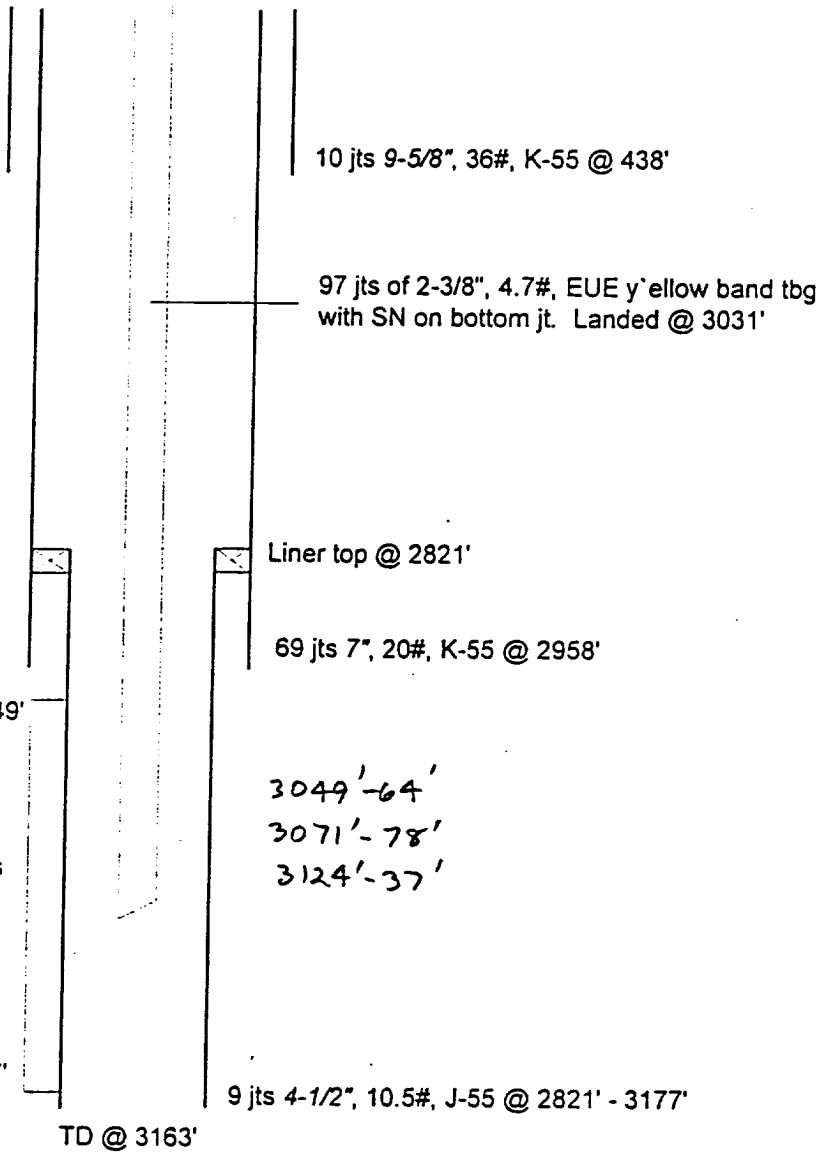
ROSA UNIT #238

BASIN FRUITLAND COAL

2270' FSL 1840' FEL
 NW/4 SE/4 SEC 3J T31N R6W
 Ria Arriba Co, NM

Elevation: 6365' GL
 KB 12'

Ojo Alamo 2315'
 Kirtland 2445'
 Fruitland 2875'
 Pictured Cliffs 3140'



HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36#	400 sx	SURFACE
8-3/4"	7" 20#	630 sx	SURFACE
6-1/4"	4-1/2" 10.5#	100 sx	2821'

PERTINENT DATA SHEET

WELLNAME: Rosa #238

FIELD: Basin Fruitland Coal

LOCATION: 2270'FSL, 1840'FWL, Sec 3, T31N, R6W

ELEVATION: 6365' GL TD: 3177'
KB: 12' PBSD: 3162'

COUNTY: Rio Arriba

STATE: New Mexico

DATE COMPLETED: 5/30/91

<u>CASING TYPE</u>	<u>CASING SIZE</u>	<u>HOLE SIZE</u>	<u>WEIGHT & GRADE</u>	<u>DEPTH</u>	<u>CEMENT</u>	<u>TOP</u>
Surface	9-5/8"	12-1/4"	36.00#, K-55	438'	400 sx	surface
Intermediate Casing	7"	8-3/4"	20#, K-55	2958'	630 sx	surface
Production Liner	4-1/2"	6-1/4"	10.5#, K-55	2821'-3177'	100 sx	2821'

TUBING EQUIPMENT 97 jts, 2-3/8", 4.7#, J-55, 8rd, landed @ 3031'. SN one jt off bottom.

WELLHEAD: Casing Head: 9-5/8" X 11" 3000#

Tubing Head 7-1/16" 3000#

FORMATION TOPS:

Ojo Alamo 2315'
Kirtland 2445'
Fruitland 2875'

LOGGING RECORD: GR-CDL-CNL-Hi RES COAL LOG, MICROLOG

PERFORATIONS: 3044'-3053', 3075'-3078', 3081'-3090

STIMULATION: initially circulated and ran sweeps for 2 days. Then ran liner and cemented.

WORK OVER HISTORY 10/15/97 Performed BLM required Mechanical Integrity Test

SGK 2/3/98