

DATE MAILED 04-22-96

In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use: 51
"APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well X Gas Well Other	8. Well Name and No. ROSA UNIT #238
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-039-24501
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2045' FSL & 1960' FEL, NW/4SE/4 SECTION 3-31N-6W	11. County or Parish, State RIO ARriba COUNTY, NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION
X Notice of Intent	Abandonment Recompletion Plugging Back Casing Repair Altering Casing
Subsequent Report	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water
Final Abandonment	X Other Initial Completion

(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.)*

ESTIMATE START DATE: 06-01-96

WILLIAMS PRODUCTION COMPANY PROPOSES TO COMPLETE THIS FRUITLAND COAL WELL AS PER THE ATTACHED PROCEDURE. THE WELL WAS DRILLED, CASED AND PERFORATED BUT HAS NOT YET BEEN STIMULATED.

RECEIVED
APR 30 1996

OIL
L. J. BRYAN

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

BOB MC ELHATTAN

Signed Bob Mc Elhatten

Title DIVISION ORDER ANALYST Date April 22, 1996

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any:

APPROVED
AS AMENDED

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.

NWOC

APR 26 1996
DISTRICT MANAGER

WILLIAMS PRODUCTION COMPANY
RECOMPLETION PROGNOSIS
ROSA 238

Purpose: To perforate and complete the Fruitland Coal zone.

1. Check rig anchors and repair as necessary.
Spot and fill 2- 400 bbl tanks with 1% KCl water. Do not filter water unless necessary. Filter water to 25 microns if necessary.
Set flow back tank and dig small pit if needed.
2. MIRUSU. Nipple up BOP, blooie line, working valves and 2" relief line. Test BOP.
3. Pickup 2-3/8" tubing w/ 3-7/8" bit. TIH w/tubing and clean out to PBTD @ 3163'.
4. TIH with 4-1/2" Packer on tubing. Set at 3100' and pressure test entire casing to 3300 psi and hold for 15 minutes.
5. TIH with perf isolation tool. Breakdown each set of perforation with 1000 gals 15% HCL acid. Maximum pressure 3300 psi.
Acid to contain 5 GPT of Iron Control, 3 GPT of Corrosion Inhibitor, 2 GPT of surfactant.

Note: Existing perfs are 3049' - 3137', (140 0.38" holes, 4 spf)

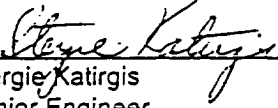
6. TOH w/ tubing. Rig up pump trucks and fracture stimulate the Fruitland Coal with 100,000# 20/40 Arizona sand using a 70 quality foam. Initial injection rate of 40 BPM rate down casing as follows.

<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	20,000#
2.0 ppg	3,000 gals	10,000 gals	30,000#
2.5 ppg	3,000 gals	10,000 gals	40,000#
Flush	<u>(4,804gals)</u>	<u>-</u>	<u>-</u>
	19,804 gals	50,000 gals	100,000 #

Maximum injection rate = 40BPM 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 and record ISDP and 15 minute shut in pressure if not on vacuum.

7. TIH with bit on tubing and clean out to PBTD @ 3163'. Obtain pitot gauge when possible.
8. 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 ±3130'. 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.


Stergie Katirgis
Senior Engineer

PERTINENT DATA SHEET

WELLNAME: Rosa #238

FIELD: Basin Fruitland Coal

LOCATION: 2045'FSL, 1960'FEL, Sec 3, T31N, R6W

ELEVATION: 6365 GL TD: 3178'
K8: 13' P8TD: 3163'

COUNTY: Rio Arriba

STATE: New Mexico

DATE COMPLETED: 11/21/90

CASING TYPE	CASING SIZE	HOLE SIZE	WEIGHT & GRADE	DEPTH	CEMENT	TOP
Surface	9-5/8"	12-1/4"	36.00#, K-55	438'	400sx	surface
Intermediate Casing	7"		20.0#, K-55	2958'	630sx	surface
Production Liner	4-1/2"	6-1/4"	10.5#, J-55	2821'-3177'	100sx	2821'

TUBING EQUIPMENT None

WELLHEAD: Casing Head

Tubing Head

FORMATION TOPS:

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

LOGGING RECORD: Schlumberger Comp. Neutron-Litho Density, Microlog, Coal Log, Cyberlook, Dual Induction-SFL, Bench Mark Hydrocarbon well log.

PERFORATIONS: Coal: (4spf) 140 Holes, 0.38", 3049'-3064', 71'-78', 3124'-37'.

STIMULATION: None

PRODUCTION HISTORY: Has not produced yet.

WORK OVER HISTORY: Cavitation unsuccessful.(11/20/90). Ran water sweeps for 3 days.

DFS 3/5/96

WELLBORE DIAGRAM

ROSA #238

2045' FSL 1960' FEL
3-31N-6W
Rio Arriba Co, NM

Elevation: 6365' GL
KB 12'

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

9-5/8", 36.0#, K-55 @ 438'
Cmt w/ 400 sx. TOC @ surface
Hole size 12-1/4"

Top of liner @ 2821'

7", 20#, K-55 @ 2958'.
Cmt w/ 630 sx. TOC @ surface.
Hole size 8-3/4"

Top perf 3049'

Bottom Perf 3137'

Perf Fruitland 3049'-3137'
140 Holes 4 spf (.38")

PBTD 3163'

4 1/2" 10.5# K-55 Liner @ 3177'
Cmt w/100 sx. Circ out Liner.
Hole 6 1/4"