

DATE MAILED 04-09-96

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
"APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. SF-078764
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-5298	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 800' FSL & 835' FWL, SW/4SW/4 SECTION 29-31N-5W	8. Well Name and No. ROSA UNIT # 23
	9. API Well No. 30-039-07942000
	10. Field and Pool, or Exploratory Area BLANCO MESA VERDE
	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
<input checked="" type="checkbox"/> Notice of Intent	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other _____
<input type="checkbox"/> Subsequent Report	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.)
<input type="checkbox"/> Final Abandonment	

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.)*
ESTIMATED START DATE: 05-15-96

WILLIAMS PRODUCTION COMPANY PLANS TO REPERFORATE AND RESTIMULATE THE MESAVERDE FORMATION AS PER THE ATTACHED PROCEDURE.

RECEIVED
APR 22 1996
OIL CON. DIV.
Rm. 3

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

BOB MC ELHATTAN

SIGNED: Bob Mc Elhattan Title DIVISION ORDER ANALYST Date APRIL 9, 1996

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

APPROVED

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.

*See Instruction on Reverse Side

NMOCD

APR 11 1996
District Manager

3-26-96

WILLIAMS PRODUCTION COMPANY
RECOMPLETION PROGNOSIS
ROSA 23

Purpose: To reperfurate and recomplete this Mesaverde well.

1. Spot and fill 11 - 400 bbl tanks with 1% KCl water. Do not filter water unless necessary. Filter water to 25 microns if necessary.
2. MIRUSU. Nipple up BOP, blooie line, working valves and 2" relief line. Test BOP. Set flow back tank and dig flow back pit.
3. Release packer, RIH to bottom perf and check for fill. TOH w/ 2-3/8" tubing. Visually inspect and change out bad tubing.
4. Repair/replace tubing head & install 7-5/8" secondary seals.
5. TIH w/ 4 3/4" RBP on 2-3/8" tubing and set @ 5455'. Load hole and pressure test casing to 2500 psi. Hold for 15 min.
6. On wireline run CBL and GR/CCL in 5-1/2" liner from 5455'-4800'. TIH & retrieve RBP. Run cased hole neutron log (Blue Jet Processed GSL or equivalent) from 5900'-to top of min footage. Review logs and perforations with Production Engineering.
7. Using above neutron log correlate to Lane Wells Radioactivity log of 4/18/57 and perforate the Cliff House, Menefee and Point Lookout formation in 5-1/2" casing with perfs picked by the production engineer.

NOTE: Original perforations consisted of 2 spf, 0.45", of 180 holes in the Cliff House, Menefee and Point Lookout.

8. TIH with perf isolation tool on tubing. Breakdown each new perforation using the isolation tool and mud acid. Maximum pressure = 2500 psi. Acid to contain 1 gal/1000 gals surfactant, iron control and inhibitor (24 hour inhibition at 150EF). TOH.
9. Rig up pump trucks and fracture stimulate the Mesaverde with 200,000# 20/40 Arizona sand in 153,864 gals slick water. Initial injection rate of 80 BPM rate down casing as follows. Have (200) 1" balls available for diverter and drop throughout the job according to the production engineer.

<u>STAGE</u>	<u>FLUID (gals)</u>	<u>SAND (lbs)</u>	
Pad	30,000 gals	-	
0.5 ppg	10,000 gals	5,000#	slowly ramp into 1.0#
1.0 ppg	15,000 gals	30,000#	
1.5 ppg	30,000 gals	45,000#	
2.0 ppg	30,000 gals	60,000#	
2.5 ppg	30,000 gals	75,000#	
Flush	(8,864 gals)	-	
	<hr/> 153,864 gals	<hr/> 200,000 # 20/40 Arizona sand	

Maximum injection rate = 80 BPM or greater at maximum STP =2500 psi.

Tag pad and early stage sand w/ IR-192. After balls start dropping use Sc-46.
All frac fluid to contain 0.5-1.0 gal/1000 gals FR-30 friction reducer.

SI well and record ISDP and 15 minute shut in pressure if not on vacuum.

10. TIH with bit on tubing and clean out to PBTD. Obtain pitot gauge when possible.
11. TOH when well has cleaned up. On wireline run after frac gamma ray log from 5900' - 5000'.
12. TIH w/ 2-3/8", 4.7#, J-55, 8rd, EUE tubing w/ notched collar on bottom and SN 1 joint up. Clean out to 5907'. Land tubing at $\pm 5800'$. Pump out plug if used and reverse circulate clean. Obtain pitot tube gauge.

Note: Do not rerun packer unless necessary. If so set @ 4000'.

13. ND BOP and NU wellhead. Shut well in for buildup.
14. Cleanup location and release rig.



Stergie Katirgis
Senior Engineer

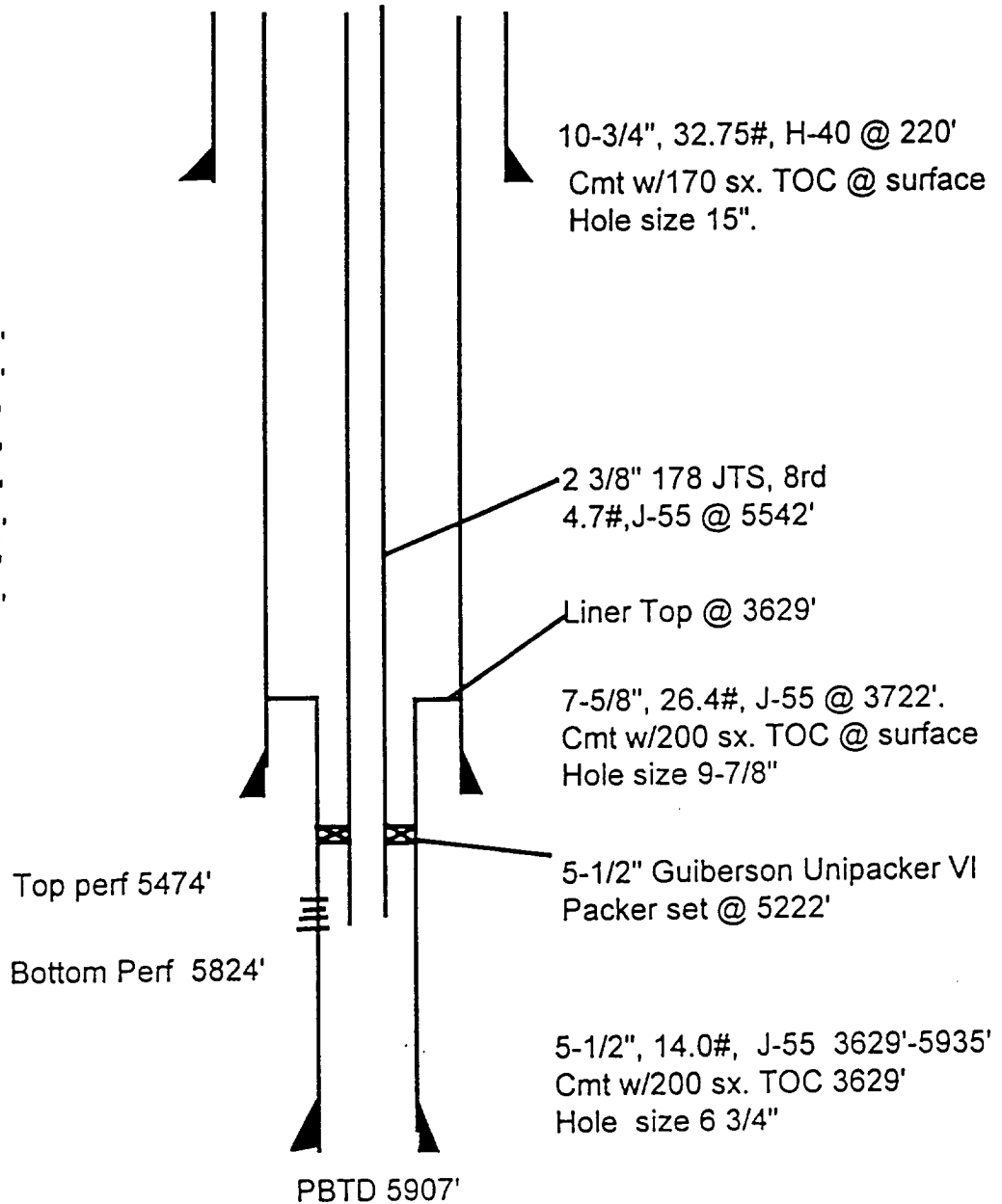
WELLBORE DIAGRAM ROSA #23

800' FSL 835' FWL
29-31N-5W
Rio Arriba, NM

Elevation: 6445' GL
KB 11'

TOPS

Ojo Alamo	2555'
Kirtland	2670'
Fruitland	3075'
Pitcured Cliffs	3285'
Lewis	3657'
Cliff House	5452'
Menefee	5500'
Pt Lookout	5728'



PERTINENT DATA SHEET

WELLNAME: Rosa #23

FIELD: Blanco

LOCATION: 800'FSL, 835'FWL, Sec 29, T31N, R5W

ELEVATION: 6445 GL TD: 5935'
KB: 11 PBTD: 5907'

COUNTY: Rio Arriba

STATE: New Mexico

DATE COMPLETED: 4/22/57

CASING TYPE	CASING SIZE	HOLE SIZE	WEIGHT & GRADE	DEPTH	CEMENT	TOP
Surface	10-3/4"	15"	32.75#, H-40	220'	1760sx	surface
Intermediate Casing	7-5/8"	9-7/8"	26.4#, J-55	3722'	200sx	surface
Production Liner	5-1/2"	6-3/4"	14.0#, J-55	3629'-5935'	200sx	3629'

TUBING EQUIPMENT MV: 178 jts 2-3/8", 4.7#, landed @ 5542', Guiberson Unipacker VI Packer set @ 5222'.

WELLHEAD: Casing Head -10" 600 CAM
Casing Spool - NA

Tubing Head - 10" 600 X 6" 600 CAM

FORMATION TOPS:

Ojo Alamo	2555'	Menefee	5500'
Kirtland	2670'	Point Lookout	5728'
Fruitland	3075'	Greenhorn	not present
Pictured Cliffs	3285'	Graneros	not present
Lewis	3657'	Dakota	not present
Cliff House	5452'	Morrison	not present

LOGGING RECORD: Lane Wells Gamma Ray/Neutron.

PERFORATIONS: MV: (2spf) 180 holes 5474'-88', 5528'-32', 5542'-46', 5564'-72', 5636'-44', 5736'-42', 5748'-58', 5766'-86', 5790'-5802', 5806'-14', 5820'-24'.

STIMULATION: MV: 136,000 gal water, with 238 balls.

PRODUCTION HISTORY: IP Test MV: CAOF= 2,085 MCFD. Cumulative = 366 MMCF.
Current avg production MV = 38 MCFD.

WORK OVER HISTORY: Pumped 500 gallons of 15% HCL into Perfs to clean up suspected mud damage. (5/14/87)

DFS 3/5/96