

DATE MAILED 04-04-96

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

5. Lease Designation and Serial No.
SF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
ROSA UNIT # 20

9. API Well No.
30-039-07969

10. Field and Pool, or Exploratory Area
BLANCO MESA VERDE

11. County or Parish, State
RIO ARRIBA COUNTY, NEW MEXICO

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) 588-5298

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1580' FNL & 1790' FSL, SW/4NE/4 SECTION 14-31N-6W

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 _____

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

**WILLIAMS PRODUCTION COMPANY PROPOSES TO PERFORATE AND STIMULATE ADDITIONAL
PAY IN THE CLIFF HOUSE MEMBER OF THIS MESA VERDE WELL AS PER THE ATTACHED PROCEDURE.**

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

BOB MC ELHATTAN

Signed *Bob McElhattan*

Title DIVISION ORDER ANALYST

Date APRIL 4, 1996

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

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.

APPROVED

*See Instruction on Reverse Side

APR 09 1996

DISTRICT MANAGER

WILLIAMS PRODUCTION COMPANY
RECOMPLETION PROGNOSIS
ROSA 20

Purpose: To perforate and complete the Cliffhouse and upper cliffhouse zones.

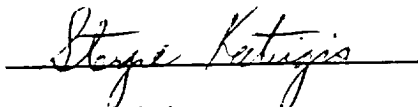
1. Spot and fill 5 - 400 bbl tanks with 1% KCl water. Do not filter water unless necessary. Filter water to 25 microns if necessary.
2. MIRUSU. Nipple up BOP, blooie line, working valves and 2" relief line. Test BOP.
3. Blow down well. Kill w/ 1% KCL water only. RIH w/ tubing and check for fill if necessary. Clean out fill at end of workover
4. TOH w/ 2-3/8" tubing and change out bad tubing.
5. Repair/replace tubing head & install secondary seals to seal off 7-5/8" casing.
6. On wireline run CBL and GR/CCL in 5-1/2" liner from 5800'-5200'. Run cased hole neutron log (Blue Jet Processed GSL or equivalent) from 5800'-to top of min footage (across Lewis). Review logs and perforations with Production Engineering.
7. TIH with 5-1/2" Bridge Plug on tubing. Set at 5510' and pressure test entire casing to 2500 psi and hold for 15 minutes.
8. Spot 300 gallons of 15% HCL w/ 5 GPT of Iron control, 3 GPT of Corrosion Inhibitor, 2 GPT of Surfactant across the Cliffhouse w/ tubing.
9. TOH w/ tubing and use the above neutron log correlate to Schlumberger log and perforate the Cliff House formation in 5-1/2" liner with perfs picked by the production engineer.
10. Drop 50% excess balls in 700 gals of 15% HCL. Breakdown and ball-off all perforations if possible.
11. Rig up pump trucks and fracture stimulate the Cliffhouse with 80,000# 20/40 Arizona sand in 72,432 gals slick water. Initial injection rate of 50 BPM rate down casing as follows.

<u>STAGE</u>	<u>FLUID (gals)</u>	<u>SAND (lbs)</u>
Pad	20,000 gals	-
1.0 ppg	10,000 gals	10,000#
1.5 ppg	15,000 gals	30,000#
2.0 ppg	15,000 gals	45,000#
2.5 ppg	7,000 gals	60,000#
Flush	(5,432 gals)	- (Will Change according to top perf)
<hr/> 72,432 gals	<hr/> 80,000 # 20/40 Arizona sand	

Maximum injection rate = 50 BPM or greater at maximum STP =2500 psi.
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.

12. TIH and clean out to Bridge Plug. Obtain pitot gauge when possible.

13. TOH and pick up 4-3/4" bit or retrieve RBP if used. TIH w/bit and tubing and drill out Bridge Plug. Clean out to PBTD @ 5859'.
14. 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 $\pm 5700'$. Pump out plug if used and reverse circulate clean. Obtain pitot tube gauge.
15. ND BOP and NU wellhead. Shut well in for buildup.
16. Cleanup location and release rig.


Stergie Katirgis
Senior Engineer

PERTINENT DATA SHEET

WELLNAME: Rosa #20

FIELD: Blanco

LOCATION: 1580'FSL, 1790'FEL, Sec 14, T31N, R6W

ELEVATION: 6388 GL TD: 5870'
KB: 11' PBTD: 5859'

COUNTY: Rio Arriba

STATE: New Mexico

DATE COMPLETED: 6/4/57

CASING TYPE	CASING SIZE	HOLE SIZE	WEIGHT & GRADE	DEPTH	CEMENT	TOP
Surface	10-3/4"	15"	32.75#, J-55	203'	175sx	surface
Intermediate Casing	7-5/8"	9-7/8"	26.4#, J-55	3638'	200sx	NA
Production Liner	5-1/2"	6-3/4"	14.0#, J-55	3515'-5870'	150sx	3515'

TUBING EQUIPMENT MV: 183 jts, 2-3/8", 4.7#, 8rd, J-55 landed @ 5752'

WELLHEAD: Casing Head -10" 600 C-22 OCT
Casing Spool - NA

Tubing Head -10" 600 x 6" 600 OCT

FORMATION TOPS:

Ojo Alamo	2418'	Menefee	5490'
Kirtland	2522'	Point Lookout	5675'
Fruitland	2953'	Greenhorn	not present
Pictured Cliffs	3178'	Graneros	not present
Lewis	3561'	Dakota	not present
Cliff House	5385'	Morrison	not present

LOGGING RECORD: Lane Wells Gamma Ray, Surface to 5847' - Neutron, Surface to 5859' - Multispaced Neutron, 5859' to 4900' and 3650' to 2900'.

PERFORATIONS: MV: (2spf) 5760'-54', 5732'-22', 5718'-06', 5702'-5696', 5694'-88', 5684'-78', 5544'-18'.

STIMULATION: MV: 168,000 gal of water, with 225 balls, @ 69 bpm.

PRODUCTION HISTORY: IP Test MV: CAOF= 3,835 MCFD. Cumulative = 911 MMCF.
Current avg production MV = 38 MCFD.

WORK OVER HISTORY: None

DFS 3/11/96

WELLBORE DIAGRAM ROSA #20

1580' FSL 1790' FEL
14-31N-6W
Rio Arriba, NM

Elevation: 6388' GL
KB 11'

TOPS

Ojo Alamo	2418'
Kirtland	2522'
Fruitland	2953'
Pitcured Cliffs	3178'
Lewis	3561'
Cliff House	5385'
Menefee	5490'
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