

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-078766

6. If Indian, Allottee or Tribe Name

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)
1250' FSL & 790' FEL, SE/4 SE/4 SEC 25-31N-6W

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #160

9. API Well No.
30-039-25890

10. Field and Pool, or Exploratory Area
ROSA PICTURED CLIFFS/ MESA VERDE

11. County or Parish, State
RIO ARRIBA, 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 _____

☐ 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 proposes to complete the Pictured Cliffs formation in this wellbore and dual with the existing Mesa Verde per the attached procedure. Estimated start date is April 3, 2000

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

Signed Tracy Ross
Tracy Ross

Title Production Analyst

Date February 29, 2000

(This space for Federal or State office use)

Approved by Charlie Beecham

Title Team Lead, Federal, New Mexico Date MAR 13 2000

Conditions of approval, if any: chse

1/10/00

WILLIAMS PRODUCTION COMPANY
COMPLETION PROGNOSIS
ROSA 160

Purpose: To complete the Pictured Cliffs formation and dual with the existing Mesaverde.

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 if needed and dig pit. **Fence and line any pits dug.**
Order out dual tubing head and Mt. Sates Model B Seal Bore Packer packer.
Order Pictured Cliffs tbg string w/ turned down collars.
Order out 3-1/2" frac string. Williams yard.
2. MIRUSU. Nipple up BOP, blooie line, working valves and 2" relief lines. Test BOP.
3. TOH with 2-3/8" Mesaverde tbg.
4. TIH with 7" retrievable bridge plug on 2-3/8" tbg and set above liner top (tol @ 3562'). Load hole with 1% KCl water and pressure test entire casing to 3,000 psi and hold for 15 minutes. TOH.
5. On wireline run CBL-CCL across Pictured Cliffs from 3500'-3000'.
6. Spot 200 gals 15% HCl acid across perfed interval from 3299'-3411'. TOH with tbg.
6. Correlate to Halliburton's Neutron-Density log of 9/4/98. Perforate the Pictured Cliffs formation in 7" casing w/ 20 - 0.36" holes using a 3-1/2" select fire casing gun from top down at the following depths; 3299, 3307, 3320, 3329, 3346, 3348, 3350, 3352, 3354, 3356, 3358, 3361, 3363, 3368, 3369, 3374, 3394, 3401, 3402, 3411.
7. Breakdown and attempt to balloff down 3-1/2" frac string w/ 500 gals 15% HCl acid and 1.3 S.G. - 7/8" neutral density RCN perf balls.
Maximum pressure = 3000 psi.
Acid to contain 1 gal/1000 gals surfactant, iron control and inhibitor (24 hour inhibition at 150°F).
8. RIH with 3-1/2" work string and push balls to BP. Set packer at ±3000'.

10. Rig up pump trucks and fracture stimulate the Pictured Cliffs with 80,000# 20/40 Arizona sand using 70 quality foam (TRANSFOAM). Initial injection rate of 40 BPM rate down 3-1/2" tubing 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	(5,609 gals)	-	
	20,271 gals	50,000 gals	80,000 #

Maximum injection rate = 40 BPM or greater at maximum STP = 3000 psi. Attempt 2 - 3 bbls/min/perf
All frac fluid to contain 20 PPT of Guar Gel, 1 PPT of Breaker, 5 GPT Foaming Agent
SI well in for 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.

11. TIH with bit on tubing and clean out to BP. Obtain pitot gauge when possible. TOH.
12. TIH with tbg and retrieve RBP. TOH.
13. TIH w/ original 2-3/8", 4.7#, J-55, 8rd, EUE Mesaverde tubing w/ 4-1/2" Mt. States Model B Arrow Drill Seal Bore Packer (WPX configuration) and tail pipe w/ SN 1 joint off bottom. Land @ ±5990'. Set packer at approx. 3700' inside 4-1/2" liner. **Liner top @ 3562'.**
TIH w/ 2-3/8", 4.7#, J-55, 8rd, EUE Pictured Cliffs tubing with turned down collars & SN 1 joint off bottom. Land near bottom perf, 3402'. Flow back both zones. Obtain pitot tube gauge from both zones if possible. If pump out plug is used on Pictured Cliffs tbg, then run orange peeled sub on bottom and perfed joint of tbg between SN and orange peeled sub.
13. ND BOP and NU wellhead. Shut well in for buildup.
14. Cleanup location and release rig.


Sterg Katirgis
Senior Engineer

ROSA UNIT #160 BLANCO MESAVERDE

Location: 1250' FSL, 790' FEL
SE/4 SE/4 Section 25P, T31N, R6W
Rio Arriba Co., NM

Elevation: 6438' GR
KB = 12'

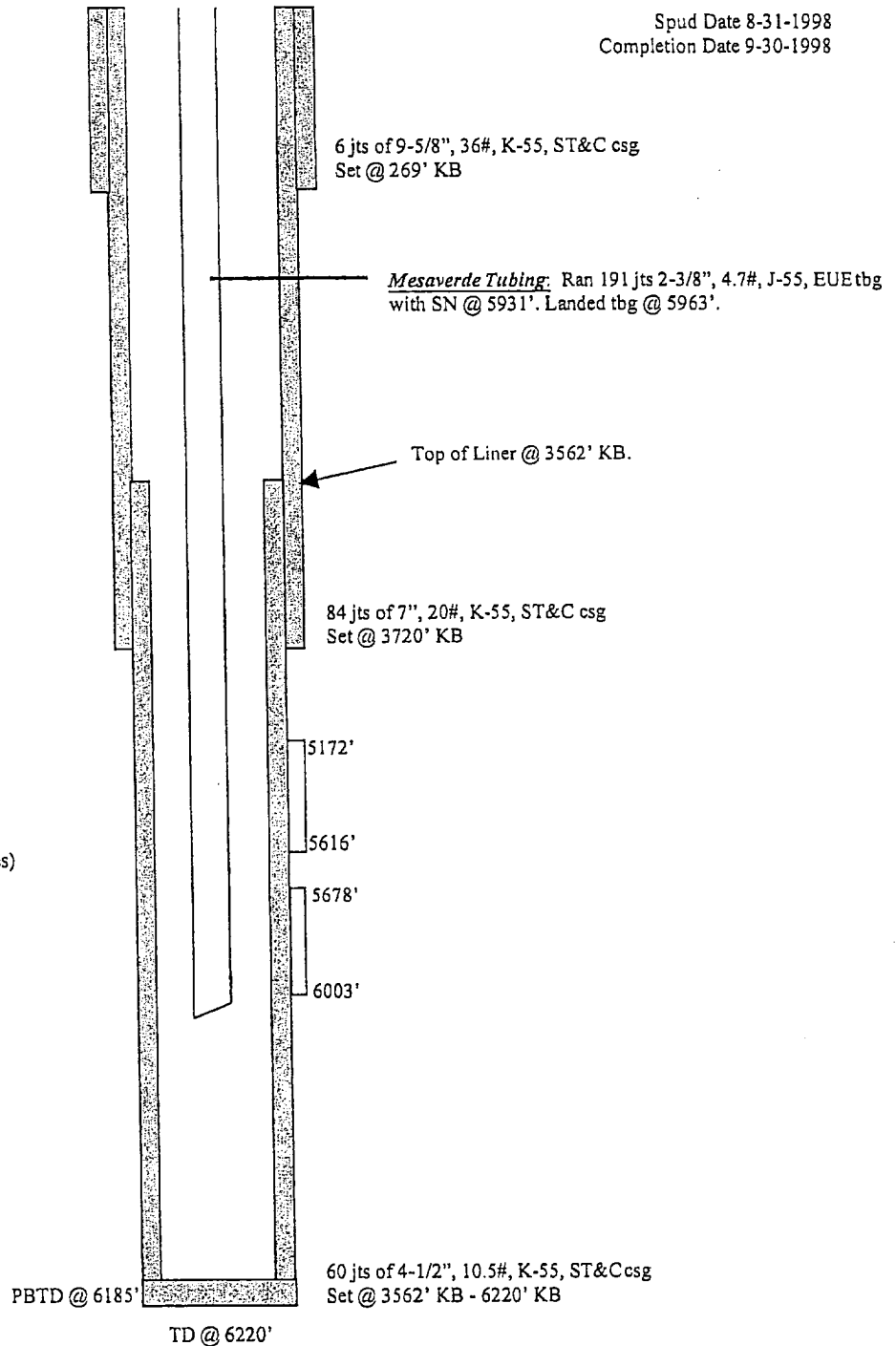
Spud Date 8-31-1998
Completion Date 9-30-1998

Tops	Depth
Kirtland	2655'
Fruitland	3035'
Pictured Cliffs	3270'
Cliff House	5445'
Point Lookout	5705'
Mancos	6220'

STIMULATION

CliffHouse/Menefee 5172' - 5616' (35, 0.38" holes)
78,000# of 20/40 sand in 2050 BBI's slick water.

Point Lookout 5678' - 6003' (50, 0.38" holes)
82,000# of 20/40 sand in 2790 BBI's slick water.



HOLE SIZE	CASING	CEMENT	CMT TOP
12 - 1/4 "	9 - 5/8 "	150 s x	SURFACE
8 - 3/4 "	7 "	685 s x	SURFACE
6 - 1/4 "	4 - 1/2 "	315 s x	3671' (CBL)