

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

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

8. Well Name and No.
ROSA UNIT #185A

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-045-30103

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

10. Field and Pool, or Exploratory Area
BLANCO MV/ BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2144' FSL & 368' FEL, NE/4 SE/4 SEC 17-31N-6W (SURFACE)
1010' FSL & 1010' FWL, SW/4 SW/4 SEC 16-31N-06W (BOTTOM HOLE)

11. County or Parish, State
SAN JUAN, NM

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 checked="" type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<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 proposes to change our original drilling and completion plans. Williams proposes to dual complete this well in the Blanco Mesa Verde and the Basin Dakota. An updated Operations Plan has been attached for your review. Estimated start date is July 10, 2000

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

Signed Tracy Ross

Title Production Analyst

Date May 26, 2000

(This space for Federal or State office use)

Approved by

Title

Date 6/29/00

Conditions of approval, if any:

WILLIAMS PRODUCTION COMPANY
OPERATIONS PLAN

DATE: Revised 5/26/00

WELLNAME: ROSA UNIT #185A **FIELD** Blanco MV

SURFACE LOCATION: NE/4 SE/4 Sec. 17, T31N, R06W
San Juan, NM **SURFACE:** BOR

BOTTOM HOLE LOCATION: SW4/SW4 Sec. 16, T31N, R06W
San Juan, NM

ELEVATION: 6408' GR **MINERALS:** Federal

TRUE VERTICAL DEPTH: 8080' **LEASE #** SF-078766

MEASURED DEPTH: 8477'

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

	<u>TVD</u>	<u>MD</u>		<u>TVD</u>	<u>MD</u>
Ojo Alamo	2395'	2534'	Point Lookout	5730'	6123'
Kirtland	2515'	2673'	Mancos	6030'	6427'
Fruitland	3000'	3233'	Gallup	6970'	7367'
Pictured Cliffs	3250'	3522'	Greenhorn	7740'	8137'
Lewis	3560'	3876'	Graneros	7795'	8192'
Cliff House	5435'	5823'	Dakota	7930'	8327'
Menefee	5480'	5867'	Total Depth	8080	8477'

B. LOGGING PROGRAM: Attempt to run a 6-1/4" IND/GR/TEMP log from TD to Intermediate TD CDL interval selected by onsite geologist. If attempt fails run a cased hole log (TMDL) will be ran after drilling is complete and casing is landed and cemented.

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe.

B. BOP TESTING: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

<u>CASING TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH(MD)</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	13-3/4"	500'	10-3/4"	32.75# H-40
Intermediate	9-7/8"	4890'	7-5/8"	26.4# K-55
Prod. Liner	6-3/4"	8477'	5-1/2"	17.0# N-80

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 10-3/4" notched regular pattern guide shoe.

2. INTERMEDIATE CASING: 7-5/8" cement nose guide shoe with a self- fill insert float. Place float one(1) joint above the shoe. Place one rigid spiral centralizer, every 120' interval from float joint to surface pipe shoe. Total number of rigid spiral centralizers = 36

3. PRODUCTION CASING: 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place 20' marker joint on top of 10th joint and one above 5860'.

C. CEMENTING:

1. SURFACE: Use 288sx (400cu.ft.) of class "Type III" with 2% CaCl₂ and 1/4# of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). Use 100% excess to circulate the surface. WOC 12 hours. Test to 1500#.

2. INTERMEDIATE: Lead – 645sx (1345 cu.ft.)of "Premium Lite" Poz/Type III, 35/65 with 8% gel, 1% CaCl₂,and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail – 545sx (755 cu.ft.) of class "Type III" with, 1% CaCl₂, and 1/4# cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5#/gal.). Use 100 excess in lead and tail to circulate to surface. Total volume = 2100 cu.ft. WOC 12 hours. Test to 1500#.

PRODUCTION LINER: Lead 225 sx (312 cu.ft.) of class 50/50, Poz/Class H with 4% gel, 2% kcl, 0.2% CD-32, 4.0% Phenoseal, 0.6% FL-50 and 1/4#/sk cello-flake. (Yield = 1.38 cu.ft./sk, Weight = 13.4 #/gal.). Tail 100 sx (150 cu.ft.) of class "H" with 35% silica flour, 1.5% FL-62 ,0.3% CD-32, 0.2% A-2, and 1/4# cello-flake/sk, (Yield = 1.50 cu.ft./sk, Weight = 15.9 #/gal.) Batch mix tail slurry. Displace cement at a minimum of 8 BPM. Use 50% excess in lead and tail. Total volume 462 cuft. WOC 12 hours.

IV COMPLETION

A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings.

B. PRESSURE TEST


1. Pressure test 7-5/8" to 3300# and 5-1/2" casing to 6000# for 15 minutes.

C. STIMULATION

1. Stimulate Dakota with approximately 60,000# of 20/40 sand in x-link foam.
2. Isolate Dakota with a RBP.
3. Stimulate Point Lookout with approximately 80,000# of 20/40 sand in slick water.
4. Isolate Point Lookout with a RBP.
5. Perforate the Menefee/Cliff House as determined from the open hole logs.
6. Stimulate Menefee/Cliff House with approximately 80,000# of 20/40 sand in slick water.
7. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Dakota: Run 2-1/16", 3.25#, J-55, IJ tubing with 1/2 mule shoe on bottom , SN with pump-out plug on top of adeem joint and 5 Seal Units. Land tubing approximately 100' below top Dakota perf.
2. Mesa Verde: Run 2-1/16", 3.25#, J-55, IJ tubing with mule shoe on bottom and SN on top of bottom joint. Land tubing approximately 50' above the bottom Point Lookout perforations.



David Spitz
Engineer, Production & Drilling

file:#185Aopp

District I

141 Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

90 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ AM Number	² Pool Code 71549	³ Pool Name Basin Dakota
⁴ Property Code	⁵ Property Name ROSA UNIT	⁶ Well Number 185A
⁷ OGRID No.	⁸ Operator Name WILLIAMS PRODUCTION COMPANY	⁹ Elevation 6408'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	17	31N	6W		2144'	SOUTH	368'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	31N	6W		1010'	SOUTH	1010'	WEST	SAN JUAN

¹² Dedicated Acres 320.56	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	N89°40'E	2638.02'	S89°58'E	2638.68'	1
<div style="display: flex; justify-content: space-between;"> <div> <p>Section 17</p> <p>Surface</p> <p>368'</p> </div> <div> <p>Section 16</p> <p>Bottom</p> <p>1010'</p> </div> </div>					
N89°45'E		2640.66'	N89°34'E	2640.00'	Tract 40

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Steve Nelson

Signature
Steve Nelson
Printed Name
Agent, Nelson Consulting
Title
January 10, 2000
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10/06/99

Date of Survey

Signature and Seal of Professional Surveyor

Henry R. Broadhurst, Jr.

NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
71383

Certificate No. 71383

[Handwritten signature]