

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 01 2011

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
Farmington Field Office
NMSF-078766
6 If Indian, Allottee or Tribe Name
N/A

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 640 Aztec, NM 87410-0640

4 Location of Well (Footage, Sec , T , R , M , or Survey Description)
Surface 1150' FSL & 550' FWL Sec 22, T31N, R6W

7 If Unit or CA, Agreement Designation
Rosa Unit

8 Well Name and No
Rosa Unit #79C

9 API Well No
30-039-29902

10 Field and Pool, or Exploratory Area
Blanco MV/ Basin DK

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

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Multiple Zone Completion

☐ 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, LLC hereby requests authority to drill this as a Mesa Verde/Dakota dual as per attached plat and operations plan.

**BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS**

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

* APD expires 11/6/2011

14 I hereby certify that the foregoing is true and correct

Signed

Larry Higgins

Title Drilling Supv

Date 6/1/11

(This space for Federal or State office use)

Approved by

Troy L. Salyers

Title

PE

Date

6/7/11

Conditions of approval, if any

NMCCD

District I
1625 N French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29902		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 17033		*Property Name ROSA UNIT			*Well Number 79C
*OGRIID No 120782		*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6235'

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
M	22	31N	6W		1150	SOUTH	550	WEST	RIO ARriba

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
¹² Dedicated Acres 320.0 Acres - (W/2)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No		

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

TRACT 40 LEASE STATE E-289	5258.88'	5280.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <i>Larry Higgins</i> 6/1-11 Signature Date <i>Larry Higgins</i> Printed Name
	5257.56'		
LOT 1 LEASE SF-078766	22	5280.00'	
550'	LAT: 36.88100°N LONG: 107.45667°W DATUM: NAD1927 LAT: 36.88101°N LONG: 107.45728°W DATUM: NAD1983	1150'	



WILLIAMS PRODUCTION COMPANY

Operations Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE: 3/15/2011 **FIELD:** Basin DK/ BlancoMV
WELL NAME: Rosa Unit #79C **SURFACE:** BLM
BH LOCATION: SWSW Sec 22-31N-6W **MINERALS:** BLM
Rio Arriba, NM
ELEVATION: 6,235' GR **LEASE #** SF-078766
MEASURED DEPTH: 8,079'

I. I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Name	TVD	Name	TVD
Ojo Alamo	2,264	Point Lookout	5,564
Kirtland	2,374	Mancos	5,859
Fruitland	2,779	Gallup	6,854
Pictured Cliffs	3,114	Greenhorn	7,589
Lewis	3,404	Graneros	7,649
Cliff House	5,239	Dakota	7,779
Menefee	5,279	Morrison	8,029
		TD	8,079

B. MUD LOGGING PROGRAM: Mudlogger on location from intermediate csg to TD Mud logger to pick TD.

C. LOGGING PROGRAM: HRI/Temp/SDL/DSN from intermediate casing to TD

D. 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 Convert to a LSND mud to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer from 7" csg to TD

B. BOP TESTING: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes** Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be 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>OH SIZE (IN)</u>	<u>DEPTH (MD) (FT)</u>	<u>CASING SIZE (IN)</u>	<u>WEIGHT(LB)</u>	<u>GRADE</u>
Surface	12 1/4	300	9 5/8	36	K-55
Intermediate	8 3/4	3,589	7	23	K-55
Longstring	6 1/4	8,079	4 1/2	11 6	P-110

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft (NTL-FRA 90-1).
3. PRODUCTION LINER / CASING: 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place marker joint above 5,400'. Place centralizers as needed across selected production intervals

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. SURFACE Slurry: 290sx (521 cu.ft.) of "Type III" + 2% Cal-Seal 60 + ¼ # of poly-e-flake/sk + 0.3% Versaset + 2% Econolite + 6% Salt (Yield = 1 796 cu.ft./sk, Weight = 13.5 #/gal). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE Lead - 550 sx (1498 cu.ft.) of "EXTENDACEM" + 5 #/sk pheno-seal + 5% Cal-Seal 60 (Yield = 2.723 cu.ft./sk, Weight = 11.5 #/gal) Tail - 100 sx (117.8cu.ft.) of Premium cement + 0 125 #/sk Poly-E-Flake, (Yield = 1.178 cu.ft./sk, Weight = 15.6#/gal.). Total volume = 1615 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface. WOC 12 hours
3. PRODUCTION CASING: 10 bbl Gelled Water spacer. Cement: 610 sx (853 ft³) of "FRACCCEM" + 0.8% Halad-9 + 0.1% CFR-3 + 5 #/sk Gilonite + 0.125 #/sk Poly-E-Flake + 0.15% HR-800 (Yield = 1.398 ft³/sk, Weight = 13.1 #/gal.). Displace cement at a minimum of 8 BPM. Total volume (853) ft³. WOC 12 hours.

IV. IV COMPLETION**A. CBL**

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings if cement not circulated to surface .

B. PRESSURE TEST


1. Pressure test 4-1/2" casing to 6000 psi max, hold at 1500 psi for 30 minutes

C. STIMULATION

1. Stimulate Dakota with approximately 5000# 100 mesh sand and 120,000# Ottawa Sand in slick water.
2. Isolate Dakota with a RBP.
3. Stimulate Point Lookout with approximately 40,000# 20/40 Ottawa 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 with approximately 40,000# 20/40 Ottawa sand in slick water
7. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Production Tubing Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforation


1502 Gary Sizemore
Sr. Drilling Engineer

DRILLING CONDITIONS OF APPROVAL

Operator: Williams Production
Lease No.: NMSF-078766
Well Name: Rosa Unit #79C
Well Location: Sec.22, T31N, R6W; 1150' FSL & 550' FWL

Refer to Onshore Order 2 III.

- 1) Pressure test the surface casing to a minimum of 600 psi for 30 minutes.
- 2) Pressure test the intermediate casing to a minimum of 1500 psi for 30 minutes



After hour contact: Troy Salyers 505-360-9815