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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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.3 HOLD C164 FOR ALLESS and Survey Survey Country Survey Country Survey Country Survey Country Country Survey Country Co

District I PO Box 1980, Hobbs, NM 88241-1980

2000

District II PO Drawer DD, Artesia, NM 88211-0719

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

District IV PO Box 2088, Santa Fe, NM 87504-2088 Staté of New Mexico
Energy, Minerals & Natural Resources Depart

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

nit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

_ AMENDED REPORT

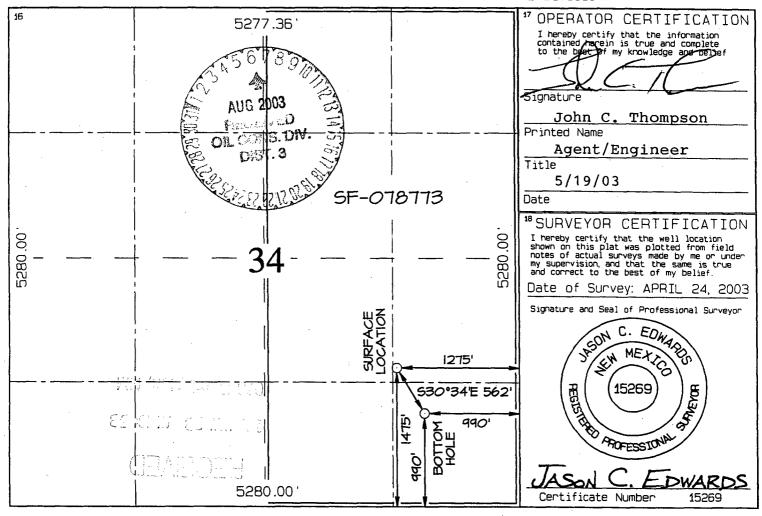
WELL LOCATION AND ACREAGE DEDICATION PLAT

30039-27439	7439 Pool Code Pool Name 71629 BASIN FRUITLAND CO			
Property Code 17033	Property Name ROSA UNIT			
'OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY			

¹⁰ Surface Location

- Suitace Location									
UL or lot no.	Section	Township	Plange	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	34	31N	5W		1475	SOUTH	1275	EAST	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 PIO
Р	34	31N	5W		990	SOUTH	990	EAST	ARRIBA
¹² Dedicated Acres).O Acre	s - (E	/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





WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE:

5/19/2003

WELLNAME:

Rosa #269A

Rio Arriba, NM

FIELD:

Basin Fruitland Coal

LOCATION:

NE/4 SE/4 Sec. 34-T31N-R5W

SURFACE:

FOREST

ELEVATION:

6580' GR

MINERALS:

FED

TOTAL DEPTH:

3450'

LEASE#

SF-078773

L GEOLOGY:

Surface formation - San Jose

A. FORMATION TOPS: (KB)

	<u>TVD</u>	<u>MD</u>
Ojo Alamo	2680'	2742'
Kirtland	2865'	2930°
Fruitland	3215'	3281'
Top of Coal	3330'	3397'
Base of Coal	3430'	3496'
Pictured Cliffs	3430'	3496'
Total Depth	3450'	3496'

B. LOGGING PROGRAM: No mechanical logs.

C. <u>NATURAL GAUGES:</u> 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. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses. If coal is detected before 3003' DO NOT drill deeper until Engineering is contacted.
- **B.** <u>Drilling Fluid:</u> Coal section will be drilled with Air & mist (water used for misting will be Fruitland Coal water). Mud logger will pick TD at +/- 3496' MD.
- C. MUD LOGGING PRORAM: Mud logger will be on location at drill out below 7" casing to TD.

C. 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 rams will be tested to 1500 psi. The surface and intermediate casing strings will be pressure tested to 1500 psi in conjunction with the BOP test before drilling out cement. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	DEPTH	CASING SIZE	WT. & GRADE
Surface	12-1/4"	+/- 300'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 3377'	7*	20# K-55
Prod. Liner	6-1/4"	+/- 3277'-3496'	5-1/2"	15.5# K-55

B. FLOAT EQUIPMENT:

- 1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 1585' to the surface. Total centralizers = 5 regular and 14 turbulent.
- 3. PRODUCTION LINER: 5-1/2"liner with notched collar on bottom.

C. CEMENTING:

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

- 1. SURFACE: Use 160 sx (211 cu.ft.) of "Type III" with 2% CaCl2 and 1/4# of cello-flake/sk (Yield = 1.41 cu.ft./sk, Weight = 14.5 #/gal.). Use 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.
- 2. INTERMEDIATE: Lead 380 sx (793 cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl2 and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail 150 sx (209cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl2 (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use 100% excess in lead and tail to circulate to surface. Total volume = 1002 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated. Test to 1500#.
- 3. PRODUCTION LINER: Open hole completion. No cement.

IV COMPLETION

A. PRESSURE TEST

Pressure test 7" casing to 3300# for 15 minutes.

B. STIMULATION

<u>Cavitate Well</u> with reciprocation and rotation. Surge wells with water and air and then flow back to pit. Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

C. RUNNING TUBING

1. <u>Fruitland Coal:</u> Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.375" ID) on top of bottom joint. Land tubing approximately 50' above TD.

John C. Thompson Engineer

file:269ARosaOP

Williams Production Company, LLC Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

Typical BOP setup

