# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0136 Expires: February 28, 1995

\_DATE \_

# **ROW/APD**

		RMIT TO DE	<u> </u>	JEEPE	N	5. Lease Designation and SF-078769			
)					<u></u>	6. If Indian, Allottee or	Tribe Name		
a. Type of Work	LL 🛛	DEEPEN .				5			
b. Type of Well						7. If Unit or CA, Agreement Designation			
Oil Well Gas Well	Other		Single Well	Multiple Zor	ne	Rosa Unit			
2. Name of Operator	- C					8. Well Name and No.  Rosa Unit #36			
Williams Production  Address and Telephone No.			6	277					
	7-2, Tulsa, OK. 7410	1	Kriste L	3 4 3 6 1		9. API Well No. 30 -0 39	7-7668		
Location of Well (Footages)			A MAY	2001		10. Field and Pool, or E			
At Surface 1105' FNL 795' F	FEL, NENE		REC	EIVED		Basin Fruitlar	id Coai		
			OIL O	NO. DIV		11. Sec., T., R., M., or E and Survey or Area	LK.		
proposed prod. zone			DR DR	ST. 3	<i>⇔</i> ∮	ASection 17, T31N, R5W			
			(2)	1,019	Ÿ	12. County or Parish	13. Stete		
	ions from Nearest Town or Post O ely 21.8 miles northe		m Post Off	Straight	line)	Rio Arriba	NM		
	so to nearest drig, unit line, if any)		330 311164	· -	7.No. of Acres Assi	gued to This Well	_		
Location to Nearest		2560 acre				320 acres, E/2			
Property or Lease Line, Ft 7		19. Proposed Depth		2	O.Rotary or Cable	·	<u> </u>		
to Nearest Well Drilling, Comp	pleted,	3145 KB				Rotary			
or Applied for, on this Lease, F 21 Elevations (Show whether DF,		37.3 16	<u> </u>	2	22. Approximate Date Work will Start				
6305' GR			<b>A</b>			oril 1, 2001			
	PR	POSED CASING AN	D CEMENTING	PROGRAM					
SIZE OF HOLE	SIZE & GRADE OF CAS	SING WEIGHT	WEIGHT PER FOOT SE		TING DEPTH QUANTITY OF CEME				
12-1/4" 8-3/4"	9-5/8"	20# K-55	36# K-55			130 sx-188 cu ft Class Type 335 sx-696 cu ft Type 3 65/3			
0-3/4	,	20#100	2995'		150 sx-204 Cu ft-Type III				
		15.5# K-55 2895' – 3145' —				Open hole completion, no			
6-1/4" Williams E	5-1/2"  Exploration & Produc	etion proposes to	drill a vertical	well to de	evelop the i	cement Basin Fruitland (	letion, no Coal		
Williams E Formation in the d The surface is un Independent Contra and the report has submitted the Envi This proposed wel (see Pipeline & Wo System on the Ros the application for	Exploration & Production about the jurisdiction ract Archaeology of a been submitted to dironmental Assessmill would utilize an excell Plats #3 and #4). It is a Unit Well #153A of the pipeline right-of action against to 43 actions action to 15 action and the pipeline right-of actions action and the pipeline right-of actions action to 15 actions action to 15 actions action	ction proposes to cove, and in according the Bureau of La Plata, NM has the BLM-FFO for ment to BLM-FFO disting gas field road The proposed 41 (see the attached e-way.	drill a vertical dance with the fland Man surveyed the review. Nelso for review.  ad, therefore 9-foot long pill Pipeline Plat	well to de le attache agement e proposed on Consulano new ac peline wo Map # 4)	evelop the Id Operation Farmington Identification for Identification f	cement  Basin Fruitland ( n and Surface U on Field Office. or Cultural Reso f Farmington, Ni  would be constr Williams Gather lication will also	Coal lese plans. surces, M has		
Williams E Formation in the d The surface is un Independent Contra and the report has submitted the Envi This proposed wel (see Pipeline & W System on the Ro the application for  procedural re and appeal p	Exploration & Production about the jurisdiction ract Archaeology of speen submitted to prironmental Assessmall would utilize an excell Plats #3 and #4). Sa Unit Well #153A the pipeline right-of	etion proposes to cove, and in according the Bureau of La Plata, NM has the BLM-FFO for then to BLM-FFO disting gas field road the proposed 44 (see the attached way.	drill a vertical dance with the of Land Man surveyed the review. Nelso for review.  ad, therefore 9-foot long pil Pipeline Plate	well to de le attache agement e propose on Consu no new ac peline wo Map # 4)	evelop the Id Operation Farmington I location for Iting, Inc. of Cocess road and tie into a This appropriate ATMIS')	cement  Basin Fruitland ( n and Surface U on Field Office. or Cultural Reso f Farmington, Ni  would be constr Williams Gather lication will also	Coal Ise plans.  Surces, M has ructed ing serve as		

/a/ Lee Otteni

APPROVED BY:\_

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

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

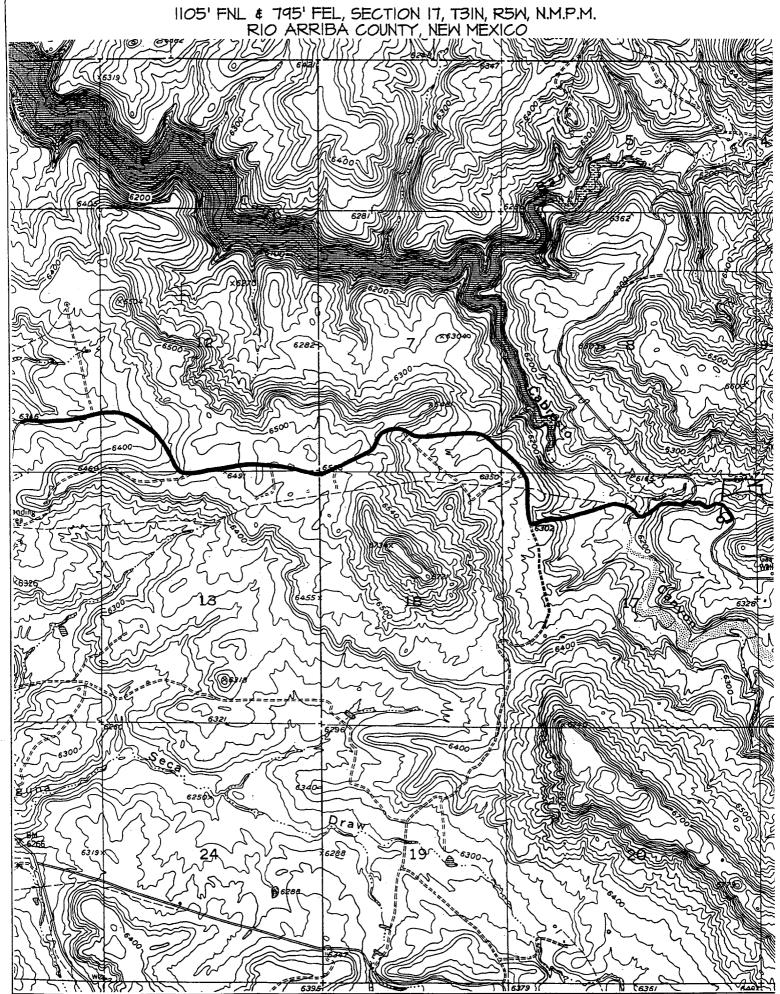
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

District IV PO Box 2088, 1	Santa Fe,	NM B7504-	-2088					AMEN	IDED REPURI		
			WELL	LOCAT	ION AND A	CREAGE DEDI	CATION PL	.ΑΤ			
	'API Number 'Pool Code					'Pool Name					
30-039-26683 71629					9	Basin Fruitland Coal					
Property Code Prope					°Property ROSA (			°Well Number 363			
OGRID No. OMPANY						ANY		*Elevation 6305 '			
120782					<del></del>	Location		<u> </u>			
UL or lot no.	Section 17	Township 31N	Range 5W	Lat Idn	Feet from the	North/South line NORTH	Feet from the	East/West line	County RIO ARRIBA		
	<u></u>	11 E	Bottom	Hole L	ocation I		From Surf	ace	7.11.11.12.07.1		
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	İ	<sup>13</sup> Joint or In	ifill <sup>14</sup> Cons	 	e <sup>15</sup> Order Na.		I				
320 - E/ NO ALLOW		ILL BE	ASSIGNE	U D TO TH	IS COMPLETION OF THE PROPERTY	ON UNTIL ALL	INTERESTS H	IAVE BEEN (	CONSOL IDATED		
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00.		1 1 A	ELEVEN	, , , ,			Pate Date	ry 27, 200	ונ		

5280 SURVEYOR CERTIFICATION hereby certify that the well location shown on this plat as plotted from field notes of actual surveys made by me r under my supervision, and that the same is true and orrect to the best of my belief. OCTOBER 17, 5000 5284.621 6857

# WILLIAMS PRODUCTION COMPANY ROSA UNIT #363



### B. FLOAT EQUIPMENT:

- 1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.
- 2. INTERMEDIATE CASING: 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:

- 1. SURFACE: Use 130 sx (188 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 335 sx (696cu.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 (204cu.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 = 900 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**

Cavitate Well with reciprocation and rotation. Surge wells with water and air and then flow back to pit.

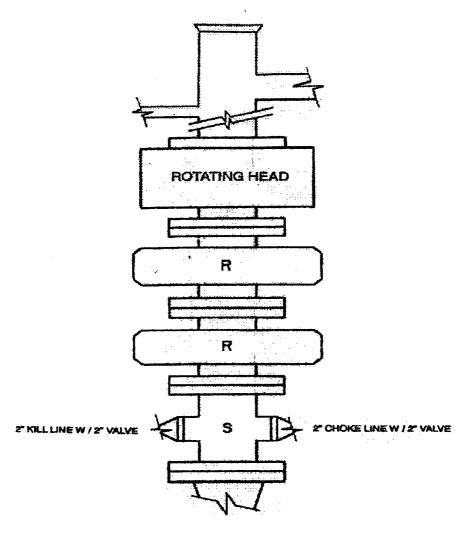
Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

#### C. RUNNING TUBING

1. Fruitland Coal: 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.

Senior Engineer

file:363RosaOP



2M - BOP ARRANGEMENT

#### 2M SYSTEM:

- Annular preventer or double ram or two rams with one being blind and one being a pipe ram
- Kill line (2 inch minimum)
- 1 kill line valve (2 inch minimum)
- 1 choke line valve
- 2 chokes (refer to diagram)
- Upper kelly cock valve with handle available
- Safety valve and subs to fit all drill strings in use
- Pressure gauge on choke manifold
- 2 inch minimum choke line
- Fill-up line above uppermost preventer

Anticipated reservoir pressure is expected to be less than 1300 psi on all encountered zones.

All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The pipe and blind rams will be activated and checked for operational readiness each trip. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with changeovers for each tool joint in the string and choke manifold all rated to 2000 psi