(July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

ROW/APD

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

APPLICA	5. Lease Designation and Serial No. SF-078771						
a. Type of Work	ILL 🛛 🗸	DEEPEN		S	6. If Indian, Allottee or Tribe Name		
b. Type of Well			\$ 1		7. If Unit or CA, Agreement Designation Rosa Unit		
Oil Well Gas Well	Other	Single Well 🔀 -	Multiple :	Zone			
2. Name of Operator Williams Production 3. Address and Telephone N					8. Well Name and No. RU-#8B		
P.O. Box 3102, MS	9. API Well No. 30-639-2663						
Location of Well (Footages) At Surface	0' FWL, SENW	MAR 2001			10. Field and Pool, or Explatory Area Blanco-Mesa Verde		
proposed prod. zone					11. Sec., T., R., M., or BLK. and Survey or Area Section 26, T31N, R6W		
		V.C.	PH. 3	-	- Section 20, 15114, 1(01)		
1	ctions from Nearest Town or Post Off tely 18.4 miles east of	f Navajo Dam Post Office	traight line)	12. County or Parish Rio Arriba NM		
Approximat		Navajo Dam Post Office (s	straight line	Tagladi.	12. County or Parish 13. Stete		
Approximat	tely 18.4 miles east of	Navajo Dam Post Office (s	straight line	17.No. of Acres A	12. County or Parish Rio Arriba NM		
Approximat 15 Distance from Proposed (A Location to Nearest Property or Lease Line, Ft 18 Distance from Proposed Loca	tely 18.4 miles east of so to nearest drig, unit line, if any) 2010' tion	Navajo Dam Post Office (s	straight line	17.No. of Acres A	12. County or Parish Rio Arriba NM ssigned to This Well 20 acres, W/2		
Approximat 15 Distance from Proposed (A Location to Nearest Property or Lease Line, Ft	tely 18.4 miles east of Uso to nearest drig, unit line, if any) 2010' tion upleted,	Navajo Dam Post Office (s 16.No. of Acres in Lease 2560 acres	traight line	17.No. of Acres A 32 20.Rotary or Cab	12. County or Parish Rio Arriba NM ssigned to This Well 20 acres, W/2		
Approximat 15 Distance from Proposed (A Location to Nearest Property or Lease Line, Ft 18 Distance from Proposed Loca to Nearest Well Drilling, Com	tely 18.4 miles east of lso to nearest drig, unit line, if any) 2010' tion spleted, FT 1500'	Navajo Dam Post Office (s 16 No. of Acres in Lease 2560 acres 19. Proposed Depth	straight line	17.No. of Acres A 32 20.Rotary or Cab Ro 22. Approximate	12. County or Parish Rio Arriba 13. Stete NM ssigned to This Well 20 acres, W/2 le Tools tary Date Work will Start		
Approximat 15 Distance from Proposed (A Location to Nearest Property or Lease Line, Ft 18 Distance from Proposed Locato Nearest Well Drilling, Comor Applied for, on this Lease, 21 Elevations (Show whether DF	tely 18.4 miles east of use to nearest drig, unit line, if any) 2010' tion spleted, FT 1500' F, RT, GR, etc)	Navajo Dam Post Office (s 16 No. of Acres in Lease 2560 acres 19. Proposed Depth 6058' KB		17.No. of Acres A 32 20 Rotary or Cab Ro 22. Approximate	12. County or Parish Rio Arriba NM ssigned to This Well 20 acres, W/2 le Tools		
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surface is under the jurisdiction of the Bureau of Land Management-Farmington Field Office. Independent Contract Archaeology has surveyed the proposed location for Cultural Resources, and the report has been submitted to BLM for review. Nelson Consulting has submitted an Environmental Assessment to BLM-FFO for review.

This proposed well would require the construction of 150-feet of new access road, and would then tie into an existing gas field road (see Pipeline & Well Plats #3 and #4). The proposed 348-feet long pipeline would tie into the Williams Gas Gathering System on Lateral A-48. This proposed well gathering pipeline would follow the new access road and existing gas field road (see the attached Pipeline Plat Map # 4).

Title series to veryout to leadered and procedural newson pursuant to At OFR \$105.8 and appear pursuant to 43 CPR \$186.4.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "SEMERAL PROPERSMENTS"

igned the Steve	Nelson Title Agent	Date <u>January 4, 2001</u>
This space for Federal or State office use)	Approx	and Deta
refluit vo. pplication approval does not warrant or certify thatt applicant holds legal or equitable tit onditions of approval, if any:	e to those rights in the subject lease which would entitle the a	oval Datepplicant to conduct operations thereon.

Discrict I PC Box 1980, Hobbs, NM 88241-1980

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

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

District IV PO Rox 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 Instructions on back

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

Certificate Compace Scott

6857

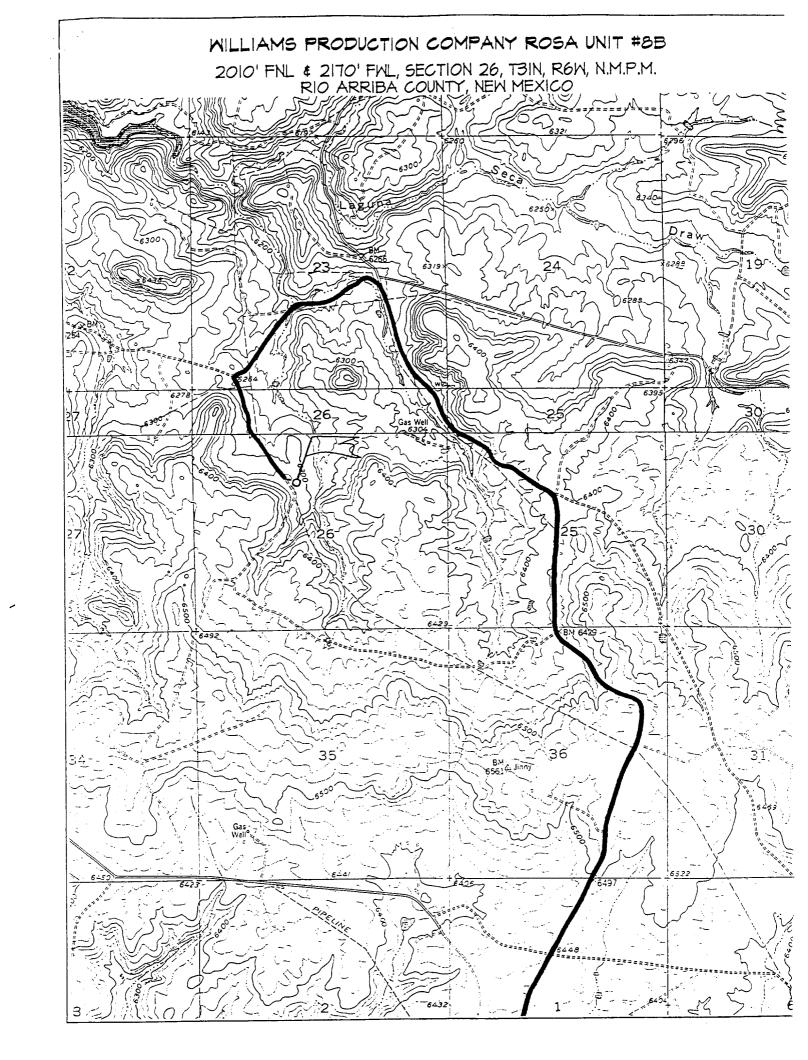
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

Form C-102

PO Box 2088, 1	Santa Fe,	NM 87504-	2088					*			
			WELL	LOCAT	ION AND A	ACREAGE DE	DIC	ATION PL	ΑТ		
30-039-2663Z 72319					iPool Name Blanco Mesavende						
'Propents' 17033								°Well Number 8B			
'OSRID No.				WILLI	*Operator Name ILLIAMS PRODUCTION COMPANY			ΙΥ			levation 53114
				_	¹⁰ Sunface	Location			/-		
UL on lot no.	Section 26	Township 31N	Range 6W	Lot Ian	Feet from the 2010	North/South lin	9	Feet from the 2170	East/wes		RIO ARRIBA
			ottom	Hole L		If Differer		rom Surf	ace		
UL on let ma.	Section	Township	Range	Lot Ian	Feet from the	North/South lin	e	Feet from the	East/wes	it line	County
Dedicated Acres		13 Joint or Inf	ill ¹⁴ Conso	lidation Code	¹⁵ Order No.						
320 - W/	2	I		U							
NO ALLOW	ABLE W	'ILL BE A OR A	NON-ST	ANDARD	UNIT HAS E	ION UNTIL AL BEEN APPROVE	D B	THE DIVI	SION		SOLIDATED FICATION
.5280.00.	2170'		2010	26 -	MAR MAR CALL CALL CALL CALL CALL CALL CALL CA	2001		Signatur Steve N Printed Agent, Title January Date 18 SURV I hereby cert was plottes of or order my correct to the	elson Nelson 4, 20 EYOR (ify that the rom field not green when the rom	Consumer of any location of that the belief.	contained herein i
	<u> </u>							Date of Signature and	SURVOV		

5276.04



B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install one Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (4) joints to the surface casing. Total centralizers = (26) regular and (3) turbulent.
- 3. <u>PRODUCTION CASING:</u> 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20ft. bottom joint. Place marker joint above 5,630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

C. CEMENTING:

- 1. <u>SURFACE</u>: Slurry: <u>130sx</u> (181 cu.ft.) of "Type III" + 2% CaCl₂ + ½ # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 125% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
- 2. INTERMEDIATE: Lead: 400sx (836 ft³) of "Type III" 65/35 poz + 8% gel + 1% CaCl₂ + ½ # cello-flake/sk (Yield = 2.09 ft³./sk, Weight = 12.1 #/gal.). Tail: 180sx (250 ft³) of class "Type III" + 1% CaCl₂ + ½ # cello-flake/sk. (Yield = 1.39 ft³/sk, Weight = 14.5#/gal.). The 100% excess in lead and tail should circulate cement to the surface. Total volume = 1086 ft³. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated to the surface. Test csg. to 1500psi.
- 3. PRODUCTION LINER: Lead: 80sx (116 ft³) of Class-H + 50/50 poz + 4 % gel + 0.4% FL-52. (Yield = 1.45 cu.ft./sk, Weight = 13.2 #/gal.). Tail: 190 sx (276 ft³) of Class-H + 50/50 poz + 4 % gel + 0.4% FL-5 + ½# celloflake/sk and 4% Phenoseal (Yield = 1.45 ft³/sk, Weight = 13.2 #/gal.). Displace cement at a minimum of 8 BPM. The 50% excess in lead and tail should cover liner top. Total volume 392ft³. WOC 12 hours.

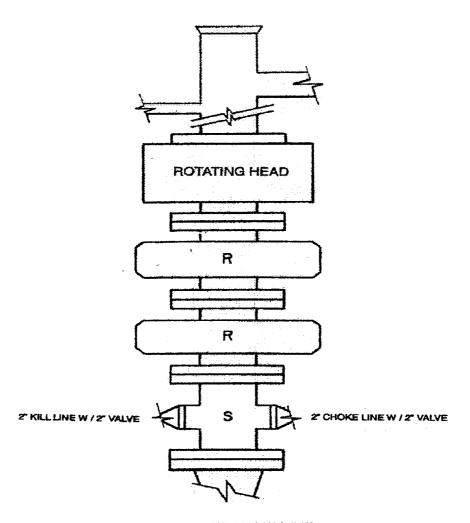
IV COMPLETION

A. CBL

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

B. PRESSURE TEST

1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.



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