/s/ Lee Otteni

APPROVED BY:_

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

APR 16

_DATE

ROW/APD

		IT TO DRILL OR I	DEEPEN	5. Lease Designation and SF-078772	Serial No.	
. Type of Work				6. If Indian, Allottee or T	ribe Name	
DRILI	L 🔯 🦂 DEE	PEN 🗌				
o. Type of Well		57		7. If Unit or CA, Agreen Rosa Unit	ent Designation	
Oil Well Gas Well	Other	Single Well	Multiple Zone			
2. Name of Operator Williams Production	Company	10 m		8. Well Name and No. RU-# 91B		
Address and Telephone No		AP.	R 2001	9. API Well No.		
P.O. Box 3102, MS 37-	_ 30-039	2668				
Location of Well (Footages)				10. Field and Pool, or Ex		
At Surface 1070' FSL 295' F	EL, SESE			Blanco-Mesa	Verde _	
	•			11. Sec., T., R., M., or Bl	LK.	
proposed prod. zone		32	and the second second	P Section 35, T32N, R6W		
14. Distance in Miles and Direction	s from Nearest Town or Post Office			12. County or Parish	13. Stete	
		of Navajo Dam Post Office	e (straight line)	Rio Arriba	NM	
15.Distance from Proposed (Also	to nearest drig. unit line, if any) 16.No.			Assigned to This Well		
Location to Nearest Property or Lease Line, Ft	295'	2561.86 acres	3	320 acres, E/2		
18 Distance from Proposed Location		oposed Depth	20.Rotary or Cal	•		
to Nearest Well Drilling, Complet or Applied for, on this Lease, FT	15001	6067' KB —	Ro	Rotary		
21. Elevations (Show whether DF, R	T, GR, etc)		22. Approximat	e Date Work will Start		
6325' GR	?			April 1, 2001		
		ED CASING AND CEMENTING	PROGRAM			
SIZE OF HOLE 12-1/4"	SIZE & GRADE OF CASING 9-5/8"	WEIGHT PER FOOT 36# K-55	SETTING DEPTH 500'	QUANTITY OF CEMENT 255 sx-352 cu ft Type III ∠		
8-3/4"	7"	20# K55	3627'	410 sx-852 cu ft Type III 170sx-238 cu ft Type III 80sx-116 cu ft 190sx-278 cu		
	1.1/0	40.5# 1/55	0507/ 6007/			
6-1/4	4-1/2	10.5# K55	3527'-6067'	80sx-116 cu ft 19 ft Class H + 50/5		
the described locatic surface is under the Contract Archaeolog has been submitted FFO for review. This proposed well wexisting gas field roate the Williams Gas Gas	on above, and in according the jurisdiction of the Bigy of La Plata, NM has a to BLM for review. New would require the constant (see Pipeline & Well athering System on Late	to drill a vertical well to de dance with the attached O Bureau of Land Manager surveyed the proposed local ison Consulting has submuruction of 100-feet of new Plats #3 and #4). The preral A-54. This proposed e the attached Pipeline Pl	peration and Surfa nent-Farmington cation for Cultural I litted an Environme access road, and oposed 290-feet lo well gathering pipe	nce Use plans. The Field Office. Inde Resources, and the ental Assessment to would then tie into ang pipeline would	pendent e report to BLM- an tie into	
proced	ction is subject to technic ural review pursuant to 4 peal pursuant to 43 CFR	S CFR 3183.3 CHAI	UIDA OFERAJIONE AU EDY ES COSTOLARDE ILLIA ROS IRLIAERE	THE ALLANDED		
				· · · · · · · · · · · · · · · · · · ·		
· 1	goipe is trupped to the off francisal to de	epen, give present productive zone and propos	ed new productive zone.	COPIES: BLM+4,		

NMOCD

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

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

Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

Form C-102

WELL LOCATION AND ACREAGE DEDICATION DLAT

			WELL			HEAGE DED	TOAI				
					ool Code Pool Name 2319 Blanco Mesaverde						
		0604		/2315				ILU MESC	iver de	6	22 1
'Property	Code	*Property Name ROSA UNIT							⁶ Well Number 91B		
17033 'OGRID 1	No.									*Elevation	
120782	١٥,	i			Operator Name ILLIAMS PRODUCTION COMPANY			6325			
120702					¹⁰ Surface L	_ocation					
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Fee	t from the	East/We	st line	County
Р	35	32N	6W		1070	SOUTH		295	ΕA	ST	RIO ARRIBA
	<u> </u>	11 [Bottom	Hole L	_ocation If	Different	Fro	om Surf	ace		AUTOA
UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line		t from the	East/We	st line	County
12 Dedicated Acres		¹³ Joint or In	nfill ¹⁴ Conso	lidation Code	e ¹⁵ Order No.						
320 - E/	2	l I		П							
NO ALLOW	NABLE W	ILL BE OR A	ASSIGNED NON-ST) TO TH ANDARD	IS COMPLETIC UNIT HAS BE	ON UNTIL ALL EN APPROVED	INTE BY 7	ERESTS H HE DIVIS	AVE BE SION	EN CON	SOLIDATED
15	263	2.74			2657	7.82'		17 OPER			FICATION
2032.79					2037.02			I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
		1					Ì		/		
								J	<i>f</i>	Y	
								Sand	l	44	
		·						Signatur	—————————————————————————————————————	/ -	The second secon
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					437°10°1	0.00		Agent,	Nelson	n Cons	ulting
•		1		H	16/1/10/1		- 1	Title	0.7		
28				_ !	ADD		92	Februar Date	y 2/,	2001	
				35	APR APR	2001	53		FYOR	CERTT	FICATION
535					- Of O		53	I hereby cert	ify that the	well locati	on shown on this plat
u,					ON. 0.	3		or under my s correct to th	supervision, e best of my	and that the belief.	on shown on this plat il surveys made by me same is true and
		1			6 0						
					\$ \$ 5 ± 0	7 1930		DECE	MBER	7. 20	00
		1				1 9		Date of	SUCKEV	-	
								Signature and	Sea Con	EDW	/e)or
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		1					-	/ Low		A STANK	
	269	1.48			2696	5.76'	1	Certific	ate Num	PERSON.	6857

WILLIAMS PRODUCTION COMPANY ROSA UNIT #918 1070' FSL \$ 295' FEL, SECTION 35, T32N, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO 29 36

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 20" bottom joint. Place marker joint above 5630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

C. CEMENTING:

- 1. SURFACE: Slurry: 255sx (352 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # 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: 410sx (852 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: 170sx (238 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 = 1090 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 (278 ft³) of Class-H + 50/50 poz + 4% gel + 0.4% FL-5 + $\frac{1}{4}$ 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 390ft³. WOC 12 hours.

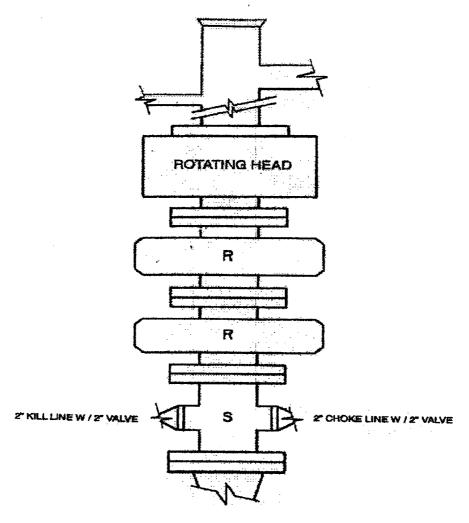
IV COMPLETION

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