UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

ROW/APD

			R DEEPE	- 1 1	SF-078766	
a Type of Work				· · · · · · · · · · · · · · · · · · ·	6. If Indian, Allottee or T	ribe Name
	RILL 🖾~	DEEPEN				
Type of Well		_	7. If Unit or CA, Agreen	tent Designati		
Oil Well Gas Well	Other	Single Well	Rosa Unit 8. Well Name and No.			
Name of Operator	on Compone					
Williams Producti				-	RU-#165B	
P.O. Box 3102, MS	37-2, Tulsa, OK. 7410	01	9. API Well No 30 (3) ~ Z6			
Location of Well (Footages) At Surface			Man		10 Field and Pool, or Ex	
	5' FWL, SWNW	(0)			Blanco-Mesa	Verde
proposed prod. zone		F			11. Sec., T., R., M., or Bl	.K.
/ proposed prod. zone					Esection 25, T31N, R6W	
					12. County or Parish	13. Stete
	ctions from Nearest Town or Post 0 toly 19 2 miles east o	of Navajo Dam Post Office	(etraight line)		Rio Arriba	NM
<u> </u>	Also to nearest drig, unit line, if any		<u> </u>	No. of Acres Assi	greed to This Well	
Location to Nearest			''		•	80 .
Property or Lease Line, Ft 8 Distance from Proposed Loca		2552.71 acres	120	272.16 acres, N/2 85 Ac		
to Nearest Well Drilling, Con	npleted,		1	20 Rotary or Cable Tools		
or Applied for, on this Lease. 21 Elevations (Show whether Di		6008' KB		Rotary		
6311' GR -	r, RI, GR, etc)		22	2. Approximate Date Work will Start		
					pril 1, 2001	
SIZE OF HOLE	SIZE & GRADE OF CA	OPOSED CASING AND CEMENT SING WEIGHT PER FOOT		G DEPTH	QUANTITY OF	CEMENT
12-1/4"	9-5/8"	36#	250'		130 sx-181 cu ft 7	ype III
8-3/4"	7"	20#	3613'		405 sx-844 cu ft 7	ype III
	· ·		İ		175ev_242 cu ft Ti	una III
6-1/4	4-1/2	10.5#	3513'-60	008'	175sx-242 cu ft T 80sx-116 cu ft 18	
Williams	Production Co. propo	oses to drill a vertical well to	develop the I	Blanco Me	80sx-116 cu ft 18 ft Class H + 50/50 sa Verde Format	5sx-268 o) poz ion in
Williams the described loca surface is under Contract Archaeo submitted to BLM This proposed we 1577-feet long pip well tie would follo	Production Co. proposition above, and in a the jurisdiction of the logy has surveyed the for review.	oses to drill a vertical well to ccordance with the attached the Bureau of Land Manage proposed location for Cula new access road (see Pipple Williams Gas Gathering ting gas field road (see the	o develop the I d Operation a gement, Farn tural Resource beline & Well I System on the attached Pipe	Blanco Mend Surface nington Fi es, and the Plats #3 ar e Rosa Un eline Plat M	80sx-116 cu ft 18: ft Class H + 50/50 sa Verde Format e Use plans. The leld Office. Inde e report has been and #4). The prop it #5Y. This pro flap # 4).	ion in pendent osed
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District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Antesia, NM 88211-9719

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

¹Pool Name

" TTAMENDED REPORT

Form C-102

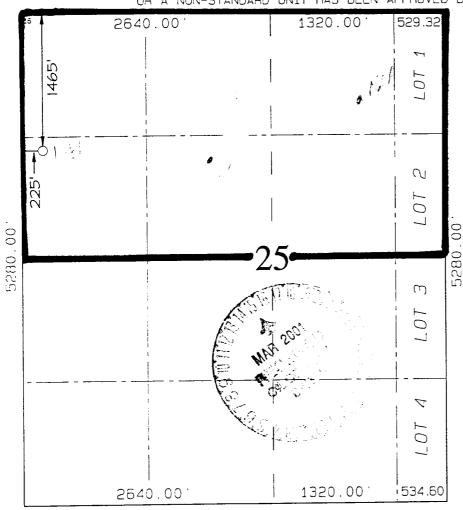
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-03	39-7	4557	7	72319	19 Blanco Mesavende					
Property				Property Name ROSA UNIT					*Wall Number 165B *Elevation 6311_	
'0GAID '	No.		*Operator Name WILLIAMS PRODUCTION COMPANY							
					¹⁰ Surface	Location				
UL on lot no.	Section	Township 3.1 N	Fanga GW	Lot Idn	Fest from the	North/South line	Feet from the 225	East/West line WEST	RIO	

*Pool Code

| ARRIBA | ¹¹Bottom Hole Location If Different From Surface County Lot Idn North/South line Feet from the East/West line Sect 100 UL on lot no. Upint on Infill 14 Consolidation Code ¹⁵ Onder No. 272.16

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



TH	E DIVISION
-	OPERATOR CERTIFICATION I hereby centify that the information contained herein is the and conclete to the best of my knowledge and belief
	420
1	Signature (
F	Steve Nelson Printed Name
=	Agent, Nelson Consulting
	November 7, 2000 Data
	¹⁸ SURVEYOR CERTIFICATION I hereby centify that the well location shown on this clat has plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and connect to the best of my belief.
	AUGUST 29, 2000
'	Date of Surve C. EDWARD OF Survey and Servey Co.
	N WEY COO
	2 (6857)
,	Centificate 6857
- 1	

WILLIAMS PRODUCTION COMPANY ROSA UNIT #1658 1465' FNL & 225' FWL, SECTION 25, T3IN, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO Draw 36 35

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: 130sx (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: 405sx (844 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: 175sx (242 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: 185sx (268 ft³) of Class-H + 50/50 poz + 4% gel + 0.4% FL-5 + 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 384 ft³. 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.

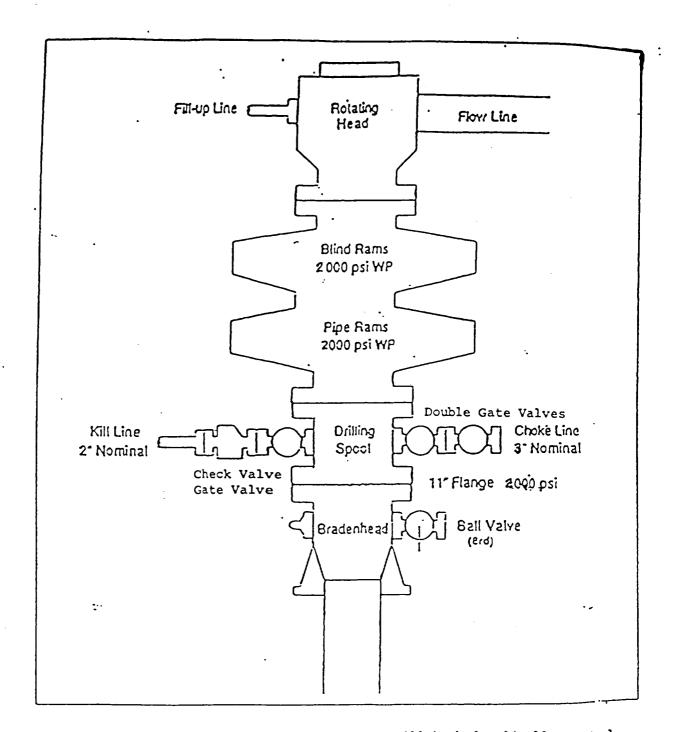
B. PRESSURE TEST

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

C. STIMULATION

- 1. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 2. Isolate Point Lookout with a CIBP.
- 3. Perforate the Menefee/Cliff House as determined from the open hole logs.
- 4. Stimulate with approximately 80,000# of 20/40 sand in slick water.

BOR STACK ARRANGEMENT



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