FORM 3160-3 (December 1990) SUBMIT IN TRIPLICATE* (Other instructions on Form approved.

Budget Bureau No. 1004-0136

UNITED STATES	reverse side)	Expires December 31, 1991
PARTMENT OF THE INTERIOR		5. LEASE DESIGNATION AND SERIAL NO
		05.050544

5.	LEASE DESIGNATION AND SERIAL NO.	
	SF- 078766	
5.	IF INDIAN, ALLOTTEE OR TRIBE NAME	

	EAU OF LAND MAN			SF- 078766	
APPLICATION FO	D DEDMIT TO DE	DEEDEN O	R PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE	NAME
			TT LOO BAOK	7. UNIT AGREEMENT NAME	
A TYPE OF WORK DRILL	-M DEEPEN			Rosa Unit	
b. TYPE OF WELL				8. FARM OR LEASE NAME, WELL N	10.
OIL GA WELL WEL	S.X. OTHER	SINGLE ZONE	MULTIPLE ZONE	79 B	
NAME OF OPERATOR				9. API WELL NO.	39- 26920
	oduction Company			10. FIELD AND POOL OR WILDCAT	
ADDRESS OF OPERATOR	415 G 3 4 : Ct F	:	505) 227 4802	Blanco Mesa V	
c/o Walsh Engineering 7- LOCATION OF WELL (Report locat	413 E. Main St., Farm	my State requirements *)	303) 327-4092	11. SEC., T., R., M., OR BLK.	CT GEO ESTE
0751 1711	nd 2600' FWL	any state requirements.		AND SURVEY OR AREA	
At Surface 9/3 FNL AF At proposed Prod. Zone	14 2000 THE	, ,		Sec. 22, T31N,	R6W
4. DISTANCE IN MILES AND DIRECTION		ST OFFICE*		12. COUNTY OR PARISH Rio Arriba	13. STATE NM
	E of Blanco, NM	- NO OF LORES BULEAS	: :	17. NO. OF ACRES ASSIGNED TO THIS W	
MDISTANCE FROM PROPOSED* LOCA OR LEASE LINE, FT. (Also to nearest dri 975'	OR LEASE LINE, FT (Also to nearest drig. unit line, if any)			320 SHILLING OFERATION	ME ALTHORIZED ARE
	TION* TO NEAREST WELL,	19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS	EMENTO!
DRILLING, COMPLETED, OR APPLIES 2000'	d for on this lease, ft. action is subject to t	echnical and 80	951'	Rotary	LIVILIAIS
proc	edural review pursuar Reposal pursuant to 43	t to 43 CFR 3185 2		22. APPROX DATE WORK WILL S' April 1, 2002	TART*
23.	PROPOSED CA	SING AND CEMENTING	G PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF	
14-3/4"	10-3/4"	32.75#	+/- 500'	~626 cu.ft. Type III w/	
9-7/8"	7-5/8"	26.4#	+/- 3591'	~1221 cu.ft.65/35 poz	& ~322 cu.jt.1ype.
6-3/4"	5-1/2"	17.0#	+/- 8051'	~571 cu.ft.Prem. Lite I	HS w/ additives
above described location This location has been a submitted directly to you This APD also is serving approximately 1500' of existing road that runs is where it joins the main '	n in accordance with archaeologically surver ar office. g as an application to new road. The new of the through the SE "Rosa Road" in the I	the attached drilling veyed by Independent of obtain BLM road access will orginate INE of section 22, E/2 of section 23, T.	ng and surface use p nt Contract Archaeo and pipeline right-c from the Rosa Unit T31N, R6W, the SW. 31N, R6W.	ology. Copies of their repo of-ways. This well will req #18 well pad which is ac VNW, NW/SW, NE/SW, N	ort have been quire ecessed by an
If proposal is to drill or deepen direction	POSED PROGRAM : If proposa	l is to deepen or plug back, give	data on present productive zone	and proposed new productive zone.	

APPROVAL DATE_ Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF AN DATE TITLE APPROVED BY

*See Instructions On Reverse Side

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.

District I PO Box 1980, Hobbs, NM B8241-1980

State of New Mexico Energy, Minerals & Natural Resources Depart

Form C-102 Revised February 21, 1994 Instructions on back

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

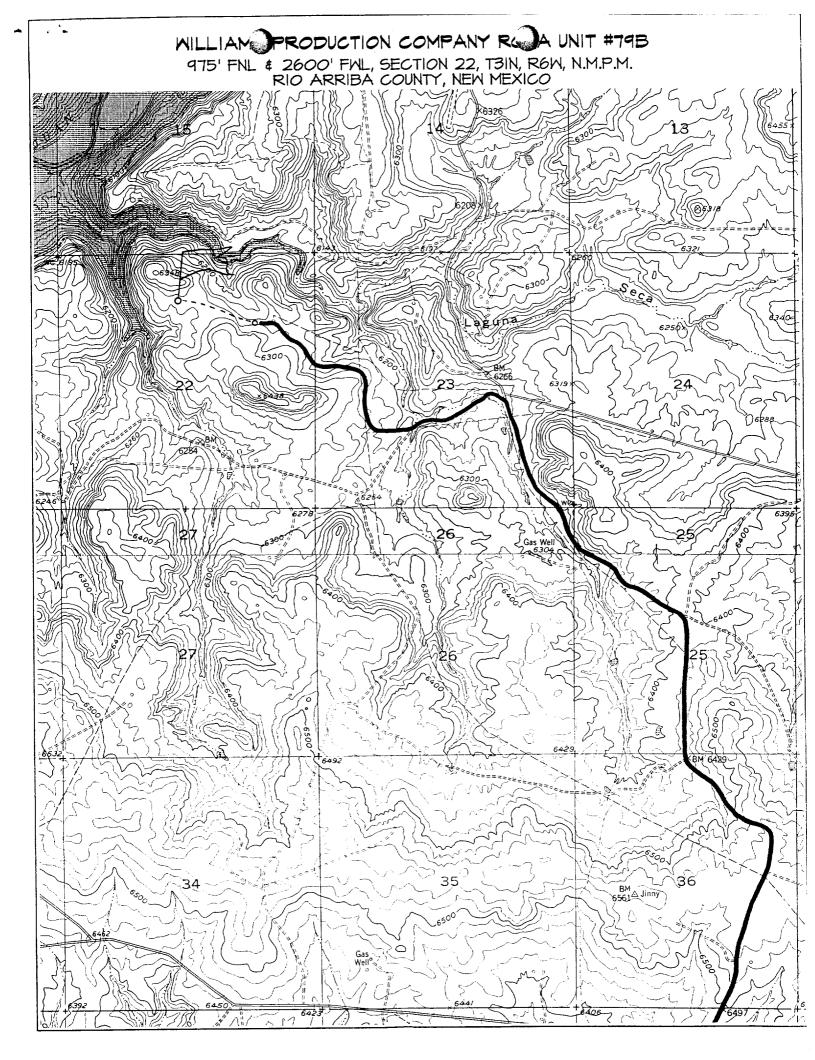
District II PO Drawer DD, Artesia, NM 88211-0719 OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

District III 1000 Rio Brazos Rd. Aztec, NM 87410

District IV PO 80x 2088, Santa Fe, NM 87504-2088

*		WELL LOCATION AND ACREAGE DEDICATION PLAT									
7 'AP	'I Number	er 'Pool Code 'Pool Name -7690 72319 - 71599 Blanco Mesaverde - Basin Dakota					- 3				
30-00	<u> 39-</u>	1670	9 /23	319 -			YIESO\	/ei ue			
Property 0 17033		Property Name 'Well Number ROSA UNIT 798					79B				
70GRID No					*Operator					°E:	levation
12078				WILLIA		CTION COMPA	YNA			ε	5269,
					¹⁰ Surface !	_ocation					
UL or let no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	1	from the	East/We		County RIO
С	22	31N	6M		975	NORTH	2	600	WE	ST 	ARRIBA
		11 B			ocation If			m Surf			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet	from the	East/We	st line	County
13	201	(-3			13 Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order	No.			L
¹² Dedicated Acres	320	. 62 0 Acres	s - (W	1/2)							
NO. 41 1 CV	A D1 C 10	TI DC 4	CCTCNET) TO TH	TS COMDIFTTO	ON UNTIL ALL	INTE	RESTS H	AVE RE	EN CON	LON TOATED
NO ALLOWA	ADLE W	OR A	NON-ST	ANDARD	UNIT HAS BE	EN APPROVED	BY T	HE DIVI	SION		
16				5258	. 88 '			17 OPER	ATOR	CERTI	FICATION
			īc	111				I hereby containe	certify d herein	that the i	information d complete
			915					to the t		c f	belief
									L	1/4	
2	600'		_	-				Signatur		nompsor	
TOACT	40				<u> </u>			Printed		iompsor	1
∥ TRACT	40				•	!			t/Eng	ineer	
					* *** ***			Title 1/30	1/02		
								Date			 :
							_		EVAD	CEDIT	FICATION
		_				1	00				ell location ed from field
8 _LOT	_1 _	<u> </u>		22 -		<u> </u>	- <u>o</u>	i notes at	actual su	rvevs made	ay me or under
80							528	1			same is true ny belief.
528						1	ш,		20d C021	af Denfor	ER 21, 2001 ssional Surveyor
								i -	0110 3601	C F	Salarial Sarveyor
				Į į				,	JESON JESON	C. EDW.	1 2
				1				1 /	/ < /	· ` ` (.)
ļ									R (`(:	15269)) E)
								//		15269) DFESSION	ED CONTROL OF THE PROPERTY OF
		1			+ ++ - 144			\	B		(8 /
									1	OFESSION	
		!		L. L		1		1710	1		WARDS
			5	257.56) '			Certi	ficate		15269





WILLIAMS PRODUCTION COMPANY

OPERATIONS PLAN

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

DATE: 1/30/2002

WELL NAME: Rosa Unit 79B FIELD: Basin Blanco MV/DK

SURFACE LOCATION: NE/4 NW/4 Sec. 22- T31N-R6W SURFACE: BLM/BOR

Rio Arriba, NM

ELEVATION: GR MINERALS: FED

6269

LEASE # SF-078766

MEASURED DEPTH: 8051'

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

	<u>MD</u>		<u>MD</u>
Ojo Alamo	2341'	Mancos sh	5876'
Kirtland sh	2441'	Gallup ss	6901'
Fruitland cl	2941'	Greenhorn ls	7616'
Pictured Cliffs ss	3116'	Graneros sh	7671 '
Lewis sh	3406'	Dakota ss	78 01'
Cliff House ss	5291'		
Menefee	5346'		
Point Lookout ss	5581'	Total Depth	8051'

- B. LOGGING PROGRAM: IND/GR/TEMP from TD to the Intermediate Casing Shoe.

 DEN/Neutron/GR (selected intervals by on-site Geologist). Subject to change as wellbore conditions dictate.
- C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Guage well @ 5800' and before TOH for logs @ 7954'. Record all gauges in Tour book and on morning reports.

II. DRILLING

- A. <u>MUD PROGRAM:</u> Clear water with benex to 7" casing point. LSND to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.
- B. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams will be function tested not less than once each day. 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 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	14-3/4"	+/- 500'	10-3/4"	32.75# H-40
Intermediate	9-7/8"	+/-3591'	7-5/8"	26.4# K-55
Prod. Casing	6-3/4"	+/- 8051'	5-1/2"	17.0# N-80

B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 10-3/4" notched regular pattern guide shoe. Run (1) Standard centralizer on each of the bottom (3) Joints.
- 2. <u>INTERMEDIATE CASING:</u> 7-5/8" 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 1500' to the surface. Total centralizers (5 regular and 13 turbulent).
- 3. PRODUCTION CASING: 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place 20' marker joint on top of 10 th joint and one above 5100'.

C. CEMENTING:

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

- 1. SURFACE: Use 450sx (626cu.ft.) of class "Type III" with 2% CaCl2 and 1/4# of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.
- 2. INTERMEDIATE: Lead: 585sx (1221cu.ft.) of class "Premium Lite" 65/35, Type III/Poz with 8% gel and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail: 230sx (322cu.ft.) of class "Type III" with 1/4# cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5#/gal.). 100% excess in lead and tail to circulate to surface. Total volume = 1543 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated.
- 3. PRODUCTION CASING: 30 sks Scavenger of Premium Light HS + 1% FL-52 + .2% CD-32 + .25 #/sk Celloflake + 4% Phenoseal + .3% R3. (Weight = 11 #/gal.). Cement Slurry: 290 sx (571ft³) of Premium Light HS + 1% FL-52 + .2% CD-32 + .25 #/sk Celloflake + 4% Phenoseal + .3% R3. (Yield = 1.99 ft³/sk, Weight = 12.5 #/gal.). Displace cement at a minimum of 8 BPM. Use 50% excess in calculation to raise cement 100' into intermediate casing. Total volume 571ft³. WOC 12 hours.

Walsh Engineering & Production

Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

Typical BOP setup

