UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT ROV

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

ROW/APD

2 Name of Operator Williams Production 3 Address and Telephone No 4 P.O. Box 3102, MS 37-2 Location of Well (Footages) At Surface 2445' FSL 1415' FV 2445' FSL 1415' FV proposed prod. zone 740 14 Distance in Miles and Directions Approximately 15 Distance from Proposed Location to Nearest Property or Lease Line, Ft 800 8 Distance from Proposed Location to Nearest Well Drilling, Completed or Applied for, on this Lease, FT	Other COMPANY Company 2, Tulsa, OK. 74 WL, NESW', Sec. In SENE, Sec. from Nearest Town or Post 18.3 miles north nearest drig, unit line, if a	1101 ec. 11, T; 10, T31I st Office theast of	31N, R6W (Si N, R6W (Botto F Navajo Dam	om-hole loc	JUL GASO Listion) ation)	2000	7. If Unit or CA, Agreen Rosa Unit 8. Well Name and No. RU-#181 9. API Well No. 39 10. Field and Pool, or Ex Blanco-MV 11. Sec., T., R., M., or Bl and Survey or Area Section 11, T3 12. County or Parish Rio Arriba	nent Designa — 26 9 platory Area
Oil Well Gas Well 2 Name of Operator Williams Production (3 Address and Telephone No P.O. Box 3102, MS 37-2 Location of Well (Footages) At Surface 2445' FSL 1415' FV 1300' FNL 800' FE proposed prod. zone 1740 14 Distance in Miles and Directions Approximately 15 Distance from Proposed (Also to Location to Nearest Property or Lease Line, Ft 800 8 Distance from Proposed Location to Nearest Well Drilling, Completed or Applied for, on this Lease, FT 21 Elevations (Show whether DF, RT,	Company 2, Tulsa, OK 74 WL, NESW', Sec. I, SENE, Sec. from Nearest Town or Port 18.3 miles north nearest drig, unit line, if a	ec. 11, T; 10, T31I st office theast of	31N, R6W (Si N, R6W (Botto F Navajo Dam	urface locatom-hole loc	JUL Grand Lion) ation)	2000	Rosa Unit 8. Well Name and No. RU-#181 9. API Well No. 10. Field and Pool, or Ex. Blanco-MV 11. Sec., T., R., M., or Bl. And Survey or Area Section 11, T3	-26 9 platory Area L.K. 11N, R6V
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21 Elevations (Show whether DF, RT,		19. Pro	posed Depth 6	891 MD			Tools	
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	GR, etc)					22 Approximate I	Date Work will Start	·······
0201 GR	•					June	23, 2000	
SIZE OF HOLE	P SIZE & GRADE OF	ROPOSEI	CASING AND O					
12-1/4"	9-5/8"	CHULTO	36#	K FOOT	500'	ING DEPTH	QUANTITY OF C 255 sx-352 cu ft T	
8-3/4"	7"		20#		4300'		460 sx-964 cu ft L	ite Poz
6-1/4	4-1/2		10.5#		4200'-	6891'	240sx (328 cuft)Ty 80sx (114 cu ft) 24	
					1200		cu ft) Poz/Class H	
procedural re	jurisdiction of arch has surver for review. Duld require importions pipeline	f the Bu yed the p proving 5 would tie work and a 43 OFF	proposed loca 500' of existing e into Williams	Managem tion for Cul	road (sering Sy	rmington F sources, an ee Pipeline rstem on the	ield Office. Moor d the report has b & Well Plats #3 and e Rosa Unit #9 (s SONS AUTHORIZED # PLIANCE WITH ATTA	re Deen nd #4). ee the
RABOVE SERVICE STATE PROPERTY SIgned	CONTROL CONTRO	oposal to deeper	n, give present productive Steve Nelso	zone and proposed 1 Title Ago			COPIES: BLM+4, W	ELL FILE

NMOCD

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

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District II PO Drawer DO, 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

Revised February 21, 19
Instructions on be Submit to Appropriate District Off State Lease – 4 Copression Fee Lease – 3 Copression in the Copression of the C

OIL CONSERVATION DIVISION PO Box 2088

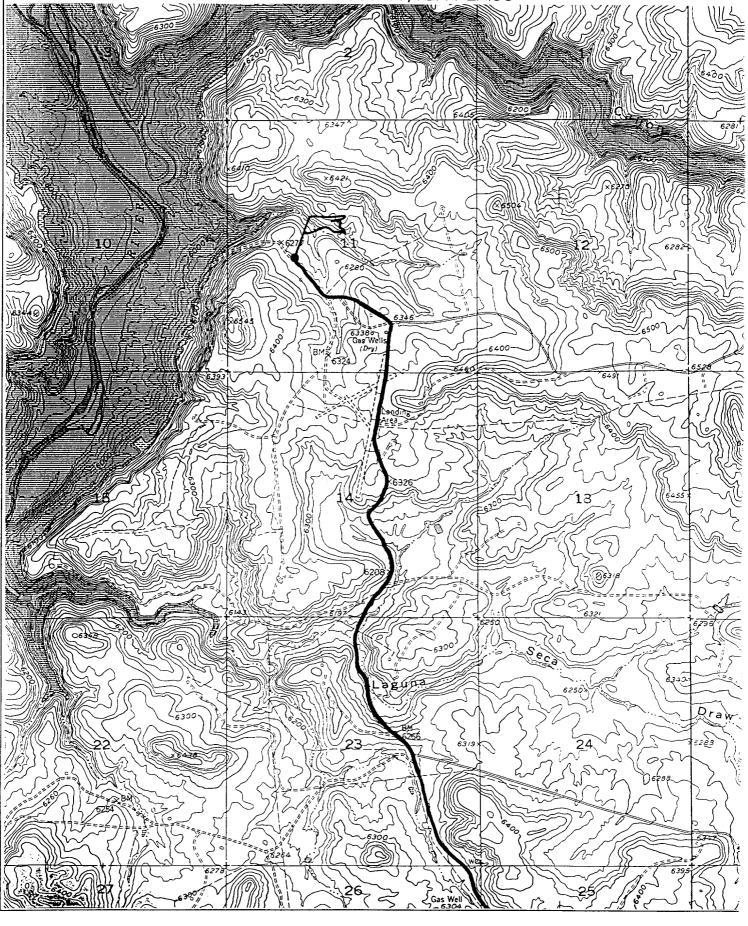
Santa Fe, NM 87504-2088

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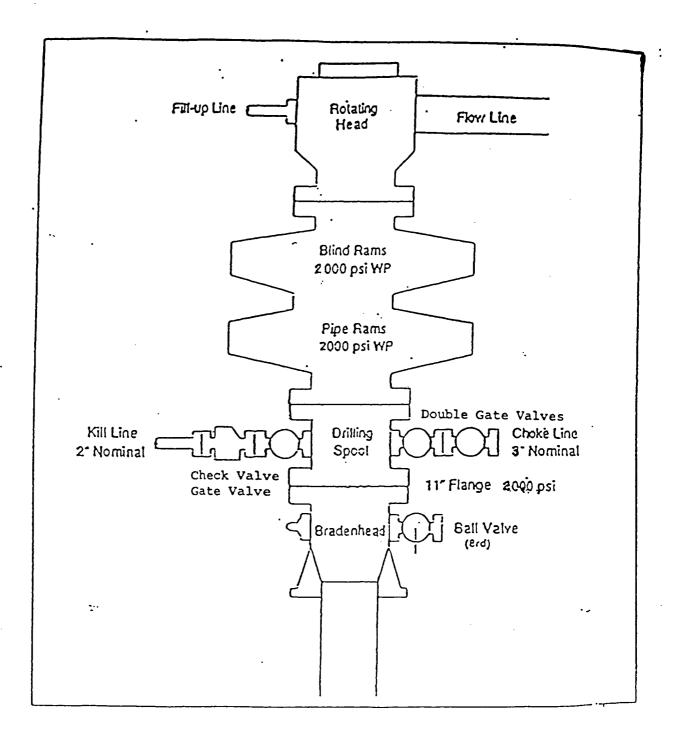
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1 .Е. 4709	BOTTOM HOLE LOCATION		5289 5289	24	Signature Steve Printed I Agent. Title May 23. Date 18 SURVE In perety certs was plotted for order to the APRIL Date of S Signature and	Nelson Name Nelson C 2000 YOR CEF by that the well m field noted the pervision rate of my belief 20, 20 Survey E 685	Consulting, I RTIFICATION location shown on this of actual surveys made by react the same is true and ef.
	Township 31N 13-Joint or In ILL BE A OR A	Township Range 31N 6W 11 Bottom Township Range 31N 6W 13 Joint or Infill 14 Conso ILL BE ASSIGNED OR A NON-STA	Township Range Lot Idn 31N 6W 11 Bottom Hole L Township Range Lot Idn 31N 6W 13 Joint or Infill 14 Consolidation Code I U ILL BE ASSIGNED TO THE OR A NON-STANDARD 28 28 28 28 28 28 28 28 28 2	Property ROSA **Property ROSA **Operator WILLIAMS PRODU **In Surface **Township Range Lot Idn Feet from the 2445 **It Bottom Hole Location I Township Range Lot Idn Feet from the 31N 6W **Junt or Infill ** Consolidation Code Is Order No. **It Label Assigned to This completing OR A NON-STANDARD UNITHAN 55 **July 20 **July	Property Name ROSA UNIT Property Name ROSA UNIT Operator Name WILLIAMS PRODUCTION COMPA 10 Surface Location Township Range Lot Ion Feet from the North/South line 31N 6W 2445 SOUTH 11 Bottom Hole Location If Different Township Range Lot Ion Feet from the North/South line 31N 6W ADOT 3 NORTH Display Approved Bottom or Infall Consolidation Code Code Code Code Code Code Code Code	Pool Code 72319 Property Name ROSA UNIT Operator Name WILLIAMS PRODUCTION COMPANY 10 Sunface Location Tomenia Farge Let Ion Feet from the North/South line Feet from the SOUTH 1415 11 Bottom Hole Location If Different From Sunf Tomenia Range Let Ion Feet from the North/South line Feet from the North/Sout	Pool Code 72319 Procenty Name ROSA UNIT **Operator Name WILLIAMS PRODUCTION COMPANY 10 Sunface Location Temprip Range Lot for Feet from the North/South line Feet from the East/Mest 1 11 Bottom Hole Location If Different From Sunface 31N 6W 2445 SOUTH 1415 WEST 11 Bottom Hole Location If Different From Sunface 31N 6W 31N 6

WILLIAMS PRODUCTION COMPANY ROSA UNIT #181

2445' FSL & 1415' FWL, SECTION II, T3IN, R6W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



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.

WILLIAMS PRODUCTION COMPANY OPERATIONS PLAN

DATE:

4/28/00

WELLNAME:

ROSA UNIT #181

FIELD

Blanco MV

SURFACE LOCATION:

NE/4 SW/4 Sec. 11, T31N, R06W

SURFACE:

BLM

BOTTOM HOLE LOCATION: NE4/NE4 Sec. 10, T31N, R06W

Rio Arriba, NM

Rio Arriba, NM

ELEVATION:

6261'GR

MINERALS:

Federal

TRUE VERTICAL DEPTH:

6008'

LEASE #

SF-078765

MEASURED DEPTH:

6891'

I. GEOLOGY:

Surface formation - San Jose

A. FORMATION TOPS: (KB)

	$\underline{\mathbf{TVD}}$	MD		TVD	MD
Ojo Alamo	2298'	2603'	Cliff House	5278'	6149'
Kirtland	2398'	2739'	Menefee	5323'	6195'
Fruitland	2818'	3307'	Point Lookout	5558'	6434'
Pictured Cliffs	3078'	3658'	Mancos	5893'	6774'
Lewis	3373'	4058'	Total Depth	6008'	6891'

B. LOGGING PROGRAM: No open hole logs. Cased hole log (TMDL) will be ran after drilling is complete and casing is landed and cemented.

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

- A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe.
- B. **BOP TESTING:** While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	DEPTH(MD)	CASING SIZE	WT. & GRADE
Surface	12-1/4"	500'	9-5/8"	36# K-55
Intermediate	8-3/4"	4300'	7"	20# K-55
Prod. Liner	6-1/4"	4200'-6891'	4-1/2"	10.5# K-55

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. Place one rigid spiral centralizer, every 120' interval from float joint to surface pipe shoe. Total number of rigid spiral centralizers = 31