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APPROVED BY:_

Ist Jim Lovato

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

JUN 2 | 2000

ROW/APD

APPLIC	ATION FOR PE	RMIT TO DRILL OF	PEEP	EŅ,	5. Lease Designation an SF-078769	d Serial No
. Type of Work	.Bu L 57/4	DEEDEN []			6. If Indian, Allottee or	Tribe Name
. Type of Well	RILL 🛛 🗸	DEEPEN		1 1	7. If Unit or CA, Agree	ment Designation
Oil Well Gas Well	Other	Single Well	Multiple	Zone	Rosa Unit	
Name of Operator Williams Produc Address and Telephon					8. Well Name and No. RU-# 187	
•	S 37-2, Tulsa, OK. 7410		NNE SZ	3	9. API Well No.	9-2637_
Location of Well (Footages) At Surface 815' FSI 187	o O' FWL, SESW	(1915) B	JUN 2000		10. Field and Pool, or E Blanco - MV	xplatory Area
proposed prod. zone	0 1 112, 02011	13/3/4/5/6/	DIST. 3	D all	11. Sec., T., R., M., or E and Survey or Area N Section 21, T	
	irections from Nearest Town or Post Off s east Navajo Dam Pos	V	9192	C. A. C.	12. County or Parish Rio Arriba	13. Stete NM
15 Distance from Proposed Location to Nearest	(Also to nearest drig, unit line, if any)	16 No. of Acres in Lease		17.No. of Acres As	ssigned to This Well	 L
Property or Lease Line, F	t 815'	2560 acres			320 acres W/2	
8 Distance from Proposed L to Nearest Well Drilling, C		19. Proposed Depth		20 Rotary or Cabl	e Tools	
or Applied for, on this Les	ue, FT 185'	6595' KB- F		Rot	otary	
21.Elevations (Show whether 6798' GR				Date Work will Start		
			· c ppocp	_	ril 1, 2000	
SIZE OF HOLE	SIZE & GRADE OF CASI	POSED CASING AND CEMENTI NG WEIGHT PER FOOT		ING DEPTH	QUANTITY OF	CEMENT
12-1/4"	9-5/8"	36#	250'		128 sx-176 cu ft	Type III
8-3/4"	7"	20#	4180'		490 sx-1021 cu ft Lite 170 s 236 Cu ft-Type III	
6-1/4"	4-1/2"	10.5#	4080'	4080' – 6595' 80 sx-114-cuft 185 sx-2' Poz/Class H 50/50		85 sx-273cuft
the above descr under the juris Anthropological has been submi	ribed location, in accord diction of the U.S. For Research of Aztec, NM itted to your office for re		eration and onal Fores ed location	Surface Us t, Jicarilla for Cultural	se plans. The su District Office. I Resources. The	rface is Moore report
a new access ro proposed 185-fo	oad (see Pipeline & We bot long pipeline would be Plat Map # 4).	tion to obtain BLM road and II Plats #3 and #4). The actitie into the Williams Gatheri	cess road v	vill begin at	an existing gas r	oad. The
	This collect in the land procedural review in and appeal pursuant	7 m († 10 km CHC 3160.8		ន ប្រវិ	TROUGHE CONTRACTOR (CONTRACTOR) CONTRACTOR (CONTRACTOR) CONTRACTOR (CONTRACTOR)	DE WELL ATTACK
1 .						
<u> </u>	<u> </u>					

Permit No Approval Date Approval Date Approval Date Approval does not warrant or certify that 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 any.

District I PD 80x 1980, Hoods, NM 88241-1980 State of New Mexico
Energy, Minerals & Natural Resources Department

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

District II PO Drawer DO, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION PO Box 2088

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

trict III JO Rio Brazos Rd., Aztec, NM 87410 PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

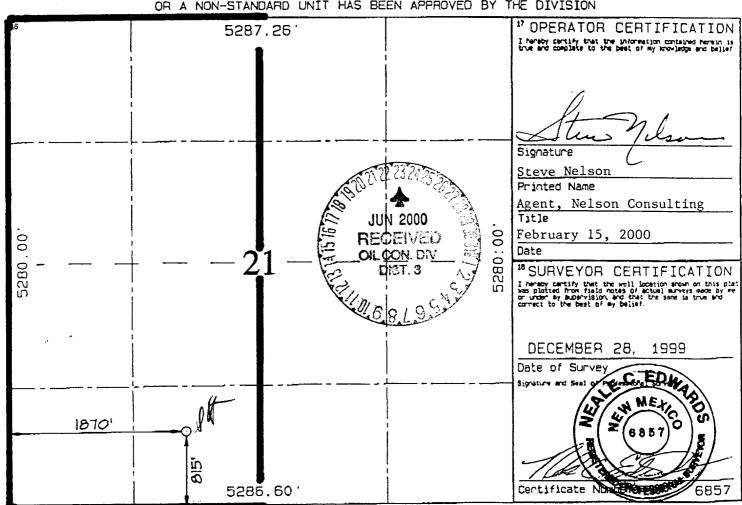
District IV PO Box 2088, Santa Fe, NM 87504-2088 FEB 1 5 2000

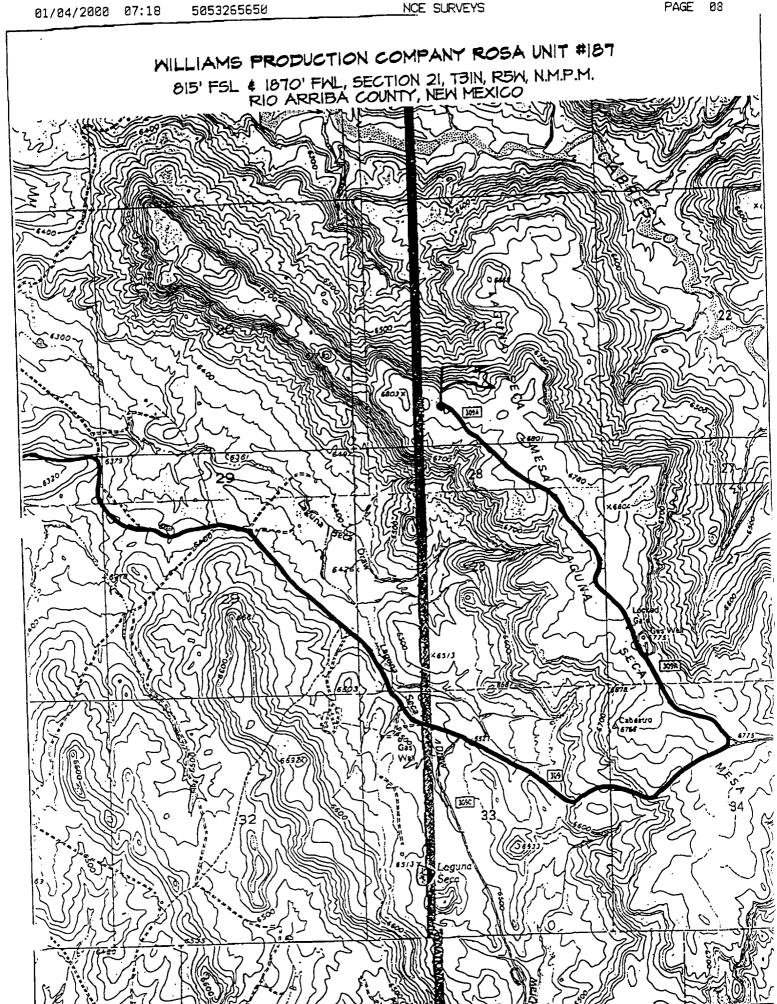
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	- bod1 roos		, 003 (12.)	_	
30039-2637	3 72319	Blanco - Mesa Verde			
*Property Code		roperty Name		*We	11 Number
	R	DSA UNIT			187
17033 'OGRID No.	_	perator Name		'E	levation
120782	WILLIAMS P	RODUCTION COMPA	ANY	{	5798'
	10 Surf	ace Location			
LL or lot no. Section Township	Range Lot Idn Feet fr	om the North/South-11/4	Fast from the	East/Hest line	County

RIO SOUTH 1870 WEST 31N 5W 815 21 N ARRIBA 11 Bottom Hole Location If Different From Surface North/South line Fest from the East/Most line Lot Con Feet from the County UL OF 101 PO. Section 15 Joint or Infill | 4 Consolidation Code * Order No. M Decidated Acres 320 ac. W/2

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







WILLIAMS PRODUCTION COMPANY OPERATIONS PLAN

DATE:

2/08/00

WELLNAME:

ROSA UNIT #187

FIELD

Blanco MV

SURFACE LOCATION:

SE/4 SW/4 Sec.21, T31N, R05W

SURFACE:

Forest

DOM: NOD BOOK STORE

Rio Arriba, NM

6798" GR

MINERALS:

Federal

TOTAL DEPTH:

ELEVATION:

6595'

LEASE#

SF-078769

I. GEOLOGY:

Surface formation - San Jose

A. FORMATION TOPS: (KB)

Ojo Alamo	2970'	Cliff House	5895'
Kirtland	3070'	Menefee	5940'
Fruitland	3495'	Point Lookout	6145'
Pictured Cliffs	3705'	Mancos	6455'
Lewis	4005'	Total Depth	6595'

B. <u>LOGGING PROGRAM</u>: 8-3/4" IND/GR/Temp log from TD to surface. CDL interval selected by onsite geologist. 6-1/4" IND/GR/Temp log from TD to Intermediate TD. CDL interval selected by onsite geologist.

C. <u>NATURAL GAUGES</u>: 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. <u>BOP TESTING</u>: 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_	CASING SIZE	WT. & GRADE
Surface	12-1/4"	250'	9-5/8"	36# K-55
Intermediate	8-3/4"	4180'	7"	20# K-55
Prod. Liner	6-1/4"	4080'-6595'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.