UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT	TO DRILL,	DEEPEN, OR	PLUG BACK	
la.	. TYPE OF WORK DRILL		. LEASE NUM	MBER	
1b.	. TYPE OF WELL		SF-078		
	GAS	6	. IF INDIAN	N,ALL. OR TRIB	E NAME
2.			HNIT ACDE	EEMENT NAME	
-3	ADDITION OF THE ADDITION OF TH			JAN 30-6 UNIT	
٠.	ADDRESS & PHONE NO. OF OPERAT P O BOX 4289	OR 8	. FARM OR L	EASE NAME	
	FARMINGTON, NM 87499	9.	SAN JU WELL NO. 489	JAN 30-6 UNIT	
4.	LOCATION OF WELL	$\frac{10}{10}$	FIELD POO	L,OR WILDCAT	
	2310'FSL 1465'FWL		BASIN FRU	ITLAND COAL	
		11.	SEC. T. R	. M OR BLK.	
			& SEC. 2	4 T30N R06W N	IPM
14.	DISTANCE IN MILES FROM NEAREST	T TOWN 12	COLINER	3.2.65	
7	- COLLINADOR	1 10MM 12.	RIO ARRI	13.STATE BA NM	
15.	DRODOGER - TOM	ACRES IN	LEASE 17.	ACRES ASSIGNE	ים אבו ז
		2 (28)		$\omega/320.00$	D TO WELL
	TO NEAREST PROPERTY OR LEASE LINE.	** 3 . (3 · €	. 1 (
	OK BEASE LINE.				
18.	= = =	PROPOSED	DEDTH 20	DOMADY OR CO	
		3386	DEPIR 20.	ROTARY OR CAE	LE TOOLS
	TO NEAREST WELL DR. 1400'			ROTARY	
	COMPL., OR APPLIED	the contract of	The second secon	entrematical and one of the en-	··· zed
	FOR ON THIS LEASE.	Comments of the	THE PERSONS	t og stille i det komen er en skriver. De 1850 fraktioners	a i kata Ni usuta
21.	FOR ON THIS LEASE. ELEVATIONS (DF, FT, GR, ETC.)	190 74 % NOT TO	144	AAL RECORDER NEWS 12	
	ELEVATIONS (DF, FT, GR, ETC.) 6550'GL	2.	2. APPROX.	DATE WORK WIL	L START
23.					
23.	PROPOSED CASIN	G AND CEME	NTING PROGR	RAM	
	*SEE OPERAT	IONS PLAN	GEIVE		
	- 1 - 1 A	// - s	EP 2 4 1990	ש	
24.	AUTHORIZED BY: Maland			1/2	
	REG. DRILLING	ENGR. OIL	CON. DIV	1 7/27/90 DATE	_
			DIST. 3	DATE	
PERMI	T NOA	PPROVAL DAT	E	APPEN	
APPRO	VED BYTITLE			AS AV	
			_ DATE _	1001 0 1/0 012	
NOME	MUIC BODY			£1,40177	Y
NOTE:	THIS FORMAT IS ISSUED IN LIES	J OF US BLM	FORM 3160	-3 de Trophell	
	Al C) Eu	AMEN WASHE	
	- th		,	/	
	NI (C)	MOCD			

Submit to Appropriate District Office State Lease - 4 copies Foe Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 All Distances must be from the outer boundaries of the section (SF-07874 Well No. Operator El Paso Natural Gas San Juan 30-6 Unit 489 County Unit Letter Rio Arriba 6 West 24 30 North K NMPM Actual Footage Location of Well: 1465 West 2310 South feet from the line and feet from the Dedicated Acreage: Ground level Elev. Producing Formation Pool Fruitland Coal 320 6550' Basin Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? unitization If answer is "yes" type of consolidation Yes ☐ No If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necossary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. 4519.68 OPERATOR CERTIFICATION I hereby certify that the information ed harein in true and complete to the best of my knowledge and belief. Peggy Bradfield Printed Name Regulatory Affairs SEP 2 4 1990 Position El Paso Natural Gas OIL CON, DIY (DIST, 3 SF-078741 Company 7-26-91 2 Date SURVEYOR CERTIFICATION ġ I hereby certify that the well location shown 1465 N on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and 3 correct to the best of my knowledge and 6 - 19 - 90Date Surreye Signature Sea Professional Sur WH HEXIN 6857 45 30.90 0 1500 1000 500 990 1320 1650 1900 2310 2640 2000

2310'FSL 1465'FWL

DATE: JUL 25,1990

Well Name: 489 SAN JUAN 30-6 UNIT

Sec. 24 T30N R06W

RIO ARRIBA NEW MEXICO BASIN FRUITLAND COAL

Elevation 6550'GL

Formation tops: Surface- San Jose

Ojo Alamo- 2645 Kirtland- 2740

Fruitland- 3170

Fruitland Coal Top- 3230 Intermediate TD-3210 Fruitland Coal Base- 3384 Total Depth-3386

Pictured Cliffs- 3508

Logging Program: Mud logs from intermediate to total depth.

	.4 - 8.9 40 $.4 - 9.1$ 30	0-50 no 0-60 no	Loss control control
--	---------------------------	--------------------	----------------------------

erval Csg. Size Weight Grade 200 9 5/8" 32.3# H-40 210 7" 20.0# K-55 386 5 1/2" 15.5# K-55 386 2 7/8" 6.5# J-55
23

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe. Two turbolizing type centralizers one below and one into the base of the Ojo Alamo @ 2740' . Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

9 5/8" surface casing - cement with 160 sacks of class "B" cement with 1/4#flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 469 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 1023 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.

