### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

	-039-21331
	SE DESIGNATION AND SERIAL NO.
SF	078503
_1.	

DATE .

	5. LEASE DESIGNATION AND SERIAL NO. SF 078503							
APPLICATION	G. IF INDIAN. ALLOTTEE OR TRIBE NAME							
1a. TYPE OF WORK	T OK TERMIT	O DIVILL,	PLL!	LIV, ON I LOG L	-			
DRILL  DEEPEN  PLUG BAC					CK 🗌	7. UNIT AGREEMENT NAME		
b. Type of well	San Juan 29-7 Unit							
OIL GA	KLL X OTHER			INGLE X MULTIP		S. FARM OR LEASE NAME		
2. NAME OF OPERATOR						San Juan 29-7 Unit		
El Paso Na	tural Gas Cor	npany				9. WELL NO.		
3. ADDRESS OF OPERATOR				<del></del>		110		
PO Box 990	, Farmington	, NM 874	01			10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Re At surface	eport location clearly and	in accordance wi	th any S	State requirements.*)		Basin Dakota		
At builace	1840'N, 18	830 <b>'</b> E				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zon	e					Sec. 31, T-29-N,R-7-W		
and brokening broad roa	•					NMPM		
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POS	T OFFIC	2*	:	12. COUNTY OR PARISH 13. STATE		
				•	\$	Rio Arriba NM		
15. DISTANCE FROM PROPO			16. NO	D. OF ACRES IN LEASE		F ACRES ASSIGNED		
PROPERTY OR LEASE L	INE, FT.				TOTI	320.00		
(Also to nearest drig 18. DISTANCE FROM PROP		· · · · · · · · · · · · · · · · · · ·	19. PF	ROPOSED DEPTH	20. ROTAL	SZU.UU		
TO NEAREST WELL, DI OR APPLIED POR, ON THI	RILLING, COMPLETED,			7840'	l	A Comment of the Comm		
21. BLEVATIONS (Show whe		<del> </del>	·	7040	Rota	22. APPROX. DATE WORK WILL START*		
	tales Dr. M., dis, eas,					AND START		
6644'GL					<del></del>			
£0.	F	PROPOSED CASH	NG ANI	D CEMENTING PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00Т	SETTING DEPTH		QUANTITY OF CEMENT		
13 3/4"	9 5/8"	32.3#		200'	224c1	u.ft.to circulate		
8 3/4"	7"	20.0#		3650'	355c1	<u>u.ft.to cover Ojo Al</u> am		
6 1/4"	4 1/2"	10.5#-11	.6#	7840'	644c1	u.ft.to fill to 3650'		
A 3000 psi	WP and 6000	psi test	dou	uble gate pre	vente	r equipped with tion on this well.		
This gas i	s dedicated.							
The E/2 of	Section 31	is dedica	ted	to this well		MAR: 3 1977 L COM. COM. DIST. 3		
						uctive zone and proposed new productive i and true vertical depths. Give blowout		
preventer program, if any	-	· · · · · · · · · · · · · · · · · · ·						
BIGNED A	1 Succe	TI2	rl <b>e</b>	rilling Cler	k	DATE February 24,19		
(This space for Feder	ral or State office use)				<del></del>			
PERMIT NO.				APPROVAL DATE		· · · · · · · · · · · · · · · · · · ·		

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_

\*See Instructions On Reverse Side

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

FADIA 24 11

All distances must be from the outer boundaries of the Section.											
Operator El Paso Nat	tural	Gas Comr	າລກາເ		Lease	n Ju∘n	29_7	IIni+	(SF-07850	)3 J	Well No.
Unit Letter	Section		Township			ange	27-1	County	(61-070)	731	1 110
G	31		29N			7W			Arriba		
Actual Footage Loc 1840			rth	line and	183	.0	last	from the	East		line
Ground Level Elev:	1001	Producing For		line and	Pool		1001	ron the		Dedice	ated Acreage;
6644		Dakota				Basin	Dakot	a		320	.00 Acres
<ol> <li>Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</li> <li>If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</li> </ol>											
dated by oxiver	3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc?  X Yes No If answer is "yes," type of consolidation										
No allowa	this form if necessary.)										
		Sec	××××××××××××××××××××××××××××××××××××××	31		1830			Name Drill: Position El Pa: Company	ing	rthat the information construe and complete to the wiedge and belief.  Clerk  atural Gas Co.  24, 1977
		·	1.72		F-078	503	3		Date Surve Fehrer Registered and La	on this if actually super and college and eyed.  137V: A Froteind Surv. R. Y.	1, 19 <sup>14</sup> 7, sstondigengineer, syor
			41177.40	•					3950		



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

#### Multi-Point Surface Use Plan San Juan 29-7 Unit #110

- 1. Existing Road Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map.

  All existing and new roads will be properly maintained during the duration of this project.
- 2. Planned Access Roads Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed thirty feet (30') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- 3. Location of Existing Wells Please refer to Map No. 1
- 4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines Please refer to Maps No. 1 and No. 2.

  Map No. 2 shows the existing and proposed gas gathering lines. Map No. 1 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
- 5. Location and Type of Water Supply Water for the proposed project will be obtained from a water well located SESW Section 9, T-29-N, R-8-W.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

- 7. Methods of Handling Waste Materials - All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1 will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.
- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed Mixture #1 will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted green.
- 11. Other Information The terrain consists of rolling hills and rock ledges with sagebrush, cedar and pinon trees. Wild sheep and deer inhabit the general area.

- 12. Operator's Representative W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401
- 13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by El Paso Natural Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

February 25, 1977

D. R. Read

Division Drilling Engineer

pb

## Operations Plan San Juan 29-7 Unit #110

I. Location: 1840'N, 1830'E, Section 31, T-29-N, R-7-W, Rio Arriba County, NM

Field: Basin Dakota <u>Elevation:</u> 6644'GL

#### II. Geology:

A.	Formation Tops	: Ojo Alamo	2470'	Point Lookout	5570 <b>'</b>
		Kirtland	2640'	Gallup	6615'
		Fruitland	3110'	Greenhorn	7520'
		Pic.Cliffs	3360'	Graneros	7580'
		Lewis	3440'	Dakota	7715 <b>'</b>
		Mesa Verde	5005 <b>'</b>	Total Depth	7840'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5005', 5570', 6615', 7580' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

#### III. Drilling:

A. Mud Program: mud from surface to 3650'. Gas from intermediate casing to Total Depth.

#### IV. Materials:

A.	. Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	32.3# H-40
		8 3/4"	3650'	7 <b>"</b>	20.0# K-55
		6 1/4"	6500 <b>'</b>	4 1/2"	10.5# K-55
		6 1/4"	7840'	4 1/2"	11.6# K-55

B. Float Equipment: 9 5/8" surface casing - Larkin guide shoe (fig.102)

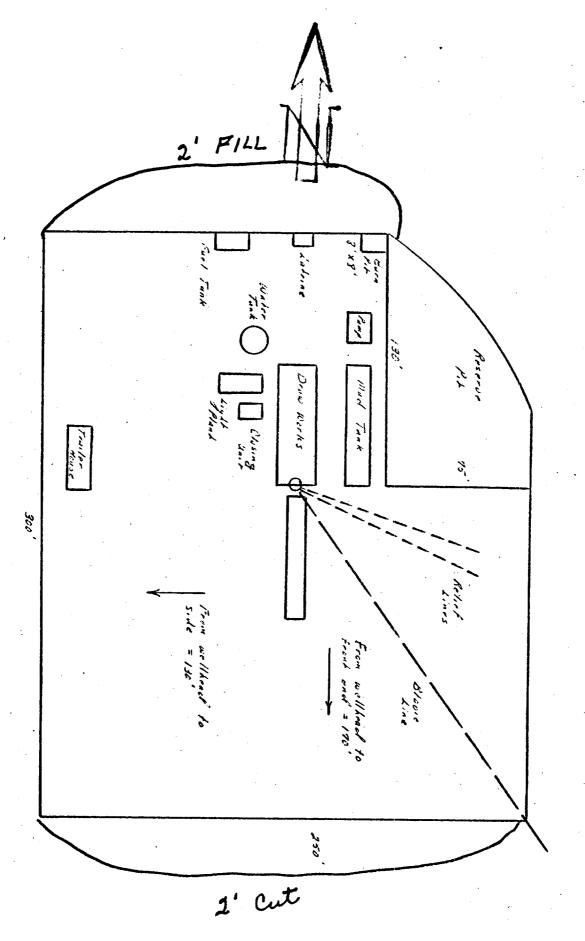
7" intermediate casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B&W stabilizers (Prod. No. 637085) every other joint above shoe. Run float two joints above shoe.

- 4 1/2" production casing Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F)
- C. Tubing: 7840' of 1 1/2", 2.9#, J-55 10rd EUE tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom.
- D. Wellhead Equipment: 3000 psi test tree. Wellhead representative to set all slips and cut off casing.

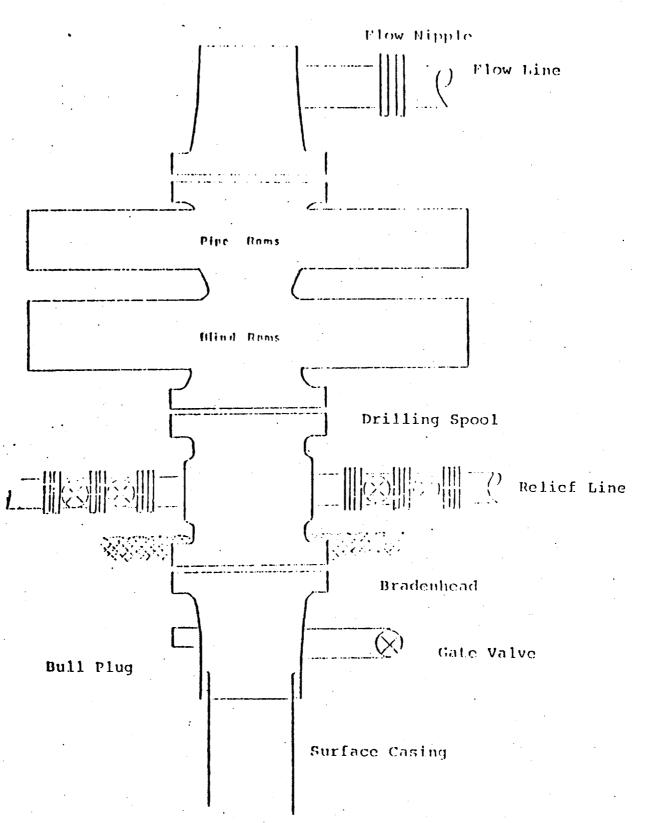
#### V. Cementing:

- 9 5/8" surface casing use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.
- 7" intermediate casing use 104 sks. of 65/35 Class "B" Poz with 12% gel (15.52 gallons of water per sack) followed by 70 sks. of Class "B" with 2% calcium chloride (355 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.
- 4 1/2" production casing precede cement with 40 bbls. of gel water (4 sks. gel) cement with 257 sks. of Class "B" with 8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7, followed by 100 sks. of Class "B" with 1/4# fine tuf-plug per sack and 0.4% HR-7 (644 cu.ft. of slurry, 50% excess to fill to intermediate casing). Run temperature survey at 8 hours. WOC 18 hours.

LAA:pb

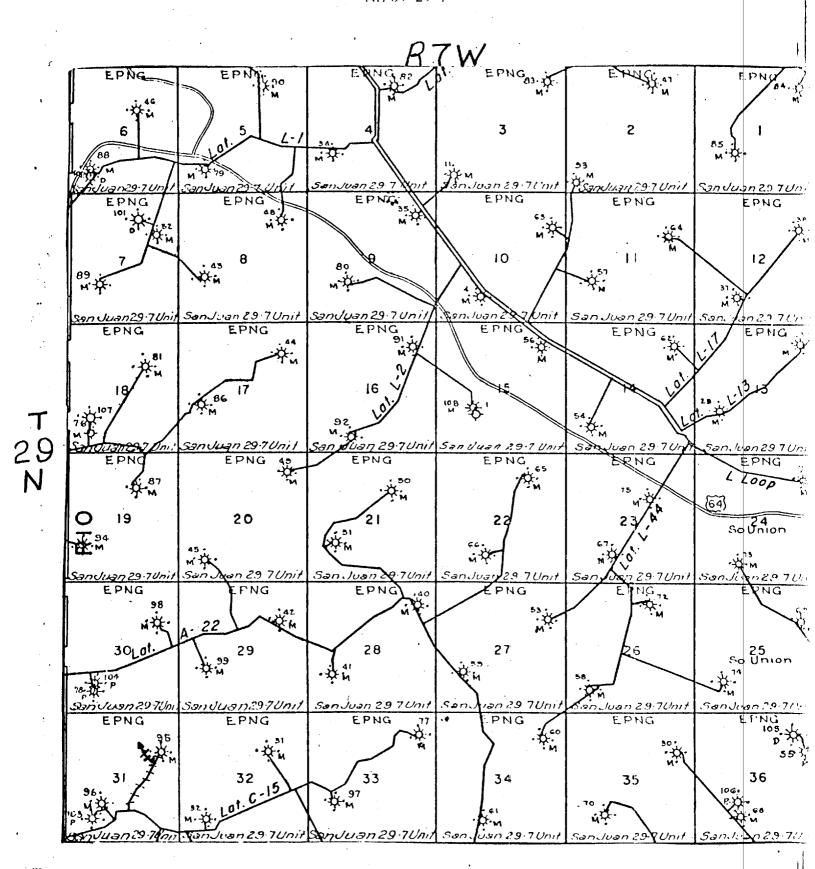


upical decadion Plat for Missa Verde and Dahata We SAN JUAN 29-7 UNIT #110

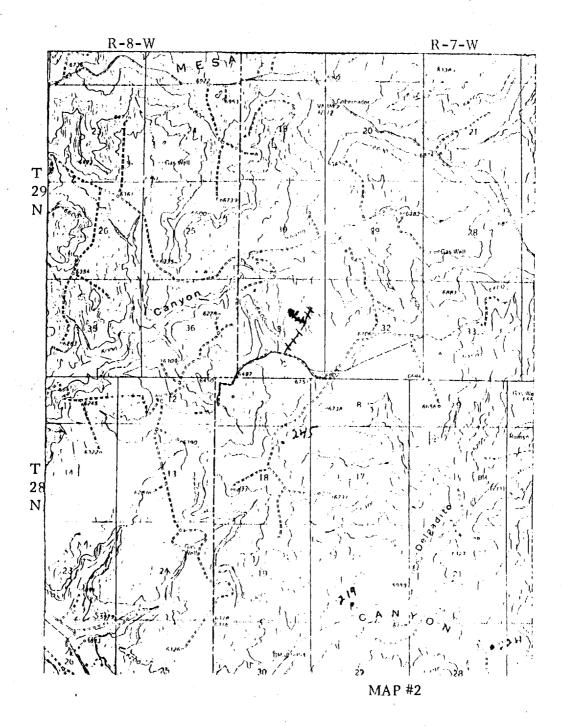


Series 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

### EL PASO NATURAL GAS COMPANY SAN JUAN 29-7 UNIT #110 NE 31-29-7



'EXISTING ROAD & PIPELINE // PROPOSED ROAD & PIPELINE //



LEGEND OF RICHT-OF-MAYS