SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved.

Budget Bureau No. 42-R1425.

30 - 045 - 24657

5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

	GEOL C	GICAL SURVE	-Y			
				OD DI IIC	D A CIC	SF 078266 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
APPLICATION	Y FOR PERMIT	IO DRILL, L	JEEPE	N, OR PLUG	RACK	
	LL 🛭	DEEPEN [PLUG BA	CK 🗌	7. UNIT AGREEMENT NAME
	AS OTHER			NGLE MULTI	IPLE	8. FARM OR LEASE NAME
NAME OF OPERATOR		-				San Jacinto
El Paso Na	atural Gas Co	ompany				9. WELL NO.
ADDRESS OF OPERATOR						_6E
LOCATION OF WELL (Re	9, Farmington eport location clearly and	n, NM 874 I in accordance wit		tate requirements.*)		10. FIELD AND POOL, OR WILDCAT Basin Dakota
At surface	1090'N, 64	40'E				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	•	.0 2				Sec.20,T-29-N,R-10-
DISTANCE IN MILES	Same AND DIRECTION FROM NEA	PEST TOWN OR POST	r offici	. •		NMPM 12. COUNTY OR PARISH 13. STATE
			. 0			
3 MILES ea DISTANCE FROM PROPO	ast of Bloom	riela, NM	16. NO	. OF ACRES IN LEASE	17. NO. C	San Juan NM
LOCATION TO NEAREST PROPERTY OR LEASE L	r	640'				W/ 320.00
(Also to nearest drig DISTANCE FROM PROP	g. unit line, if any)	040	19 PR	670.16	20 ROTA	RY OR CABLE TOOLS
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED,	300'	10. 14	6560 '	Rotar	
	ether DF, RT, GR, etc.)	300		0300	INOCal	22. APPROX. DATE WORK WILL START*
5658 GL	CMC1 D1, x01, G10, 000,					
3030 01		PROPOSED CASIN	G ANI	CEMENTING PROGE	RAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH	1	QUANTITY OF CEMENT
		-				
12 1/4" 7 7/8"	8 5/8"	24.0#		200' 6560'	L	cu.ft. circ. to surfa cu.ft 3 stages
				4000	1-0-	
,		į				
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lst stage 2nd stage	- 452 cu.ft.	. to cover	Me	sa Verde		
lst stage 2nd stage		. to cover	Me	sa Verde		
lst stage 2nd stage 3rd stage	- 452 cu.ft. - 514 cu.ft.	to cover to cover	Me: Ojo	sa Verde o Alamo	he Dak	kota formation.
lst stage 2nd stage 3rd stage Selectivel	- 452 cu.ft. - 514 cu.ft. ly perforate i WP and 6000	to coverto coverand sandwpsi test	Me: Ojo vate:	sa Verde o Alamo r fracture t uble gate pr	revente	kota formation. er equipped with ntion on this well.
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*See Instructions On Reverse Side

STATE OF NEW MEXICO LUERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 O. CONSERVATION DIVISION

/980 Form C-102 Revised 10-1-78

SANTA FE, NEW MEXICO 87501

All distances must be from the outer houndaries of the Section

	Lease		Well No.				
COMPANY	SAN JACINTO	(SF-078266)	6-E				
Township	Rænge	County					
29N	low	San Juan					
North line and	640 feet	from the East	line				
	Pool		cated Acreage:				
ota	Basin Dakota		320.00 - Acres				
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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 interests of all owners been consoli-							
•		Communitization					
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) 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 interests, has been approved by the Commission.							
	reals real soul real tree than I me tree stone when they	222 2	TIFICATION				
A Sec.	1/11 2/12 3/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10	1 hereby certify tained herein is best of my know Drilling Position El Paso Company	that the information con- true and complete to the ledge and belief.				
20	Piren	shown on this p notes of actual under my superv	12, 1979 stenal Enginger				
	North North Ine and ng Formation ota edicated to the subject we see is dedicated to the wel of different ownership is ion, unitization, force-pooli If answer is "yes;" type of the owners and tract desc ssigned to the well until all wise) or until a non-standar A Sec. 20	CMPANY Township 29N North Ine and Ota Pool Basin Dakota edicated to the subject well by colored pencil or se is dedicated to the well, outline each and ider of different ownership is dedicated to the well, ion, unitization, force-pooling, etc? If answer is "yes," type of consolidation the owners and tract descriptions which have accessigned to the well until all interests have been accessed to the well unti	Township Township 29N 10W San Juan North time and 610 Basin Dakota edicated to the subject well by colored pencil or hachure marks on the plants is dedicated to the well, outline each and identify the ownership thereof of different ownership is dedicated to the well, have the interests of all of ion, unitization, force-pooling, etc? If answer is "yes;" type of consolidation the owners and tract descriptions which have actually been consolidated. Signed to the well until all interests have been consolidated (by community wise) or until a non-standard unit, eliminating such interests, has been appropriately a subject of my known on this post of my known on this				



Multi-Point Surface Use Plan San Jacinto #6E

- 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 twenty feet (20') 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.
- Location of Existing Wells Please refer to Map No. 2.
- 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 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 Bloomfield Ditch.
- 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,

7. cont'd.

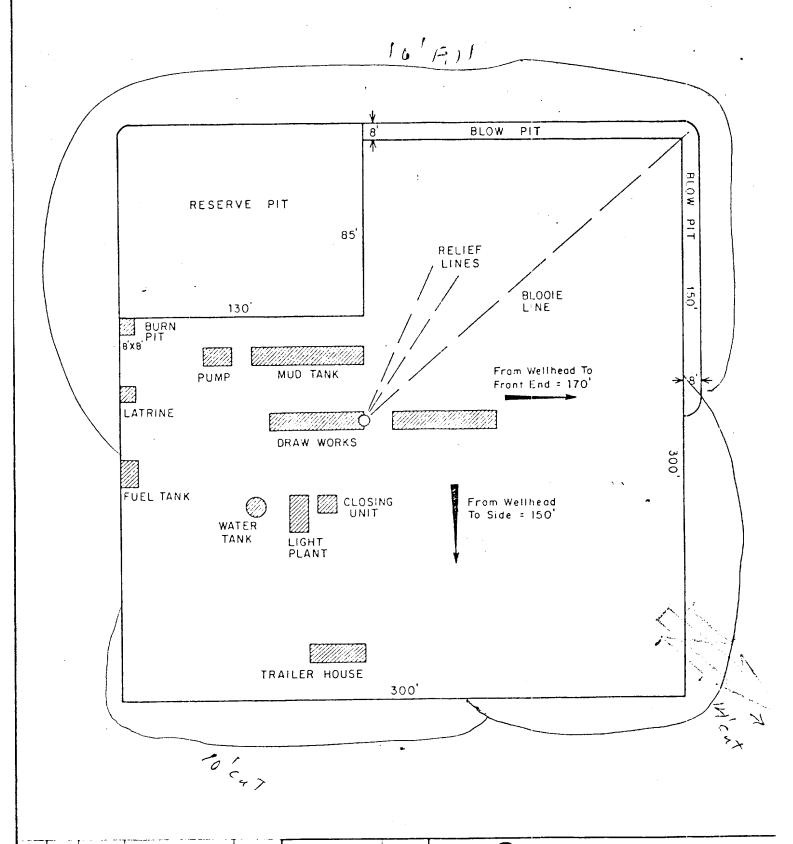
- will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over 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 as designated by the responsible government agency 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 as designated by the responsible government agency.
- 11. Other Information The terrain is rolling hills with rabbit brush growing.

 Cattle are occasionally seen on the proposed project site.
- 12. Operator's Representative W.D. Dawson, PO Box 990, Farmington, NM
- 13. Certification -

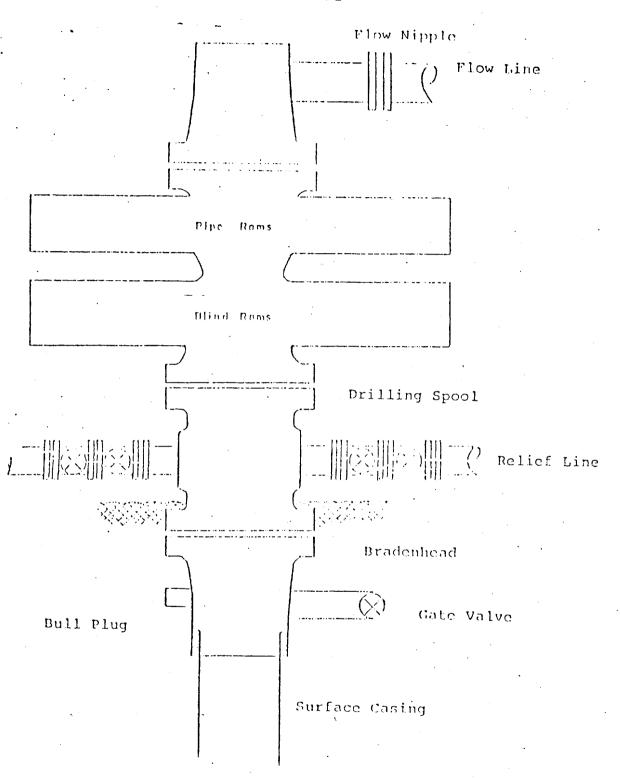
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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.

L. A. Aimes

Project Drilling Engineer



				ENG. REC.	DATE	⊖ El F	Paso Natural Gas Compa	any
	ļ			DRAWN J.L.H	8-16-78			
	ł			CHECKED		TYPICAL	LOCATION PLAT F	FOR
	 			CHECKED		MESAVERDE	OR DAKOTA DRILL	SITE
(†			PROJ. APP	ļ			
PRT. SEP.	DATE	то	w.o.	DESIGN	1	SCALE: 1" = 50'	DWG.	RE
	PRINT RE	ECORD		W.O.		I JOALL . JO	NO.	



Scries 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.

Operations Plan - San Jacinto #6E

I. Location: 1090'N, 640'E, Section 20, T-29-N, R-10-W, San Juan County, NM

Field: Basin Dakota Elevation: 5668'GR

II. Geology:

Α.	Formation Tops:	Surface	Animas	Menefee	3666 '
	_	Ojo Alamo	750 '	Point Lookout	4240'
		Kirtland	920 '	Gallup	5445'
		Fruitland	1580 '	Greenhorn	6207 '
		Pic.Cliffs	1970 '	Graneros	6266 '
		Lewis	2060'	Dakota	6379 '
		Mesa Verde	3600 '	Total Depth	6560 '

B. Logging Program: Induction Electric and Gamma Ray Density at TD.

C. Coring: none

III. Drilling:

A. Mud Program: mud from surface to Total Depth.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
	12 1/4"	200 '	8 5/8"	24.0# K-55
	7 7/8"	6560'	4 1/2"	10.5# K-55

B. Float Equipment: 8 5/8" surface casing - cement guide shoe

4 1/2" production casing - guide shoe and self-fill insert valve Two multiple stage cementers equipped for three stage cementing. Set tool for second stage at 4840' and tool for third stage at 2160'. Run 20 centralizers spaced as follows: one on each of the bottom 8 joints, one below each stage tool, and five above each stage tool spaced every other joint.

- C. Tubing: 6560' of 2 3/8", 4.7#, J-55 tubing, common pump seating nipple and Baker expendable check valve with drill type guide.
- D. Wellhead Equipment: $10" \times 3000$ casing head with $10" \times 4$ 1/2" casing hanger, $10" \times 3000 \times 6"$ 3000 xmas tree.

V. Cementing:

Surface casing (12 1/4" x 8 5/8") - use 140 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (165 cu.ft. of slurry, 100% excess to circulate). WOC 12 hours. Test to 600#/30 min.

Operations Plan - San Jacinto #6E

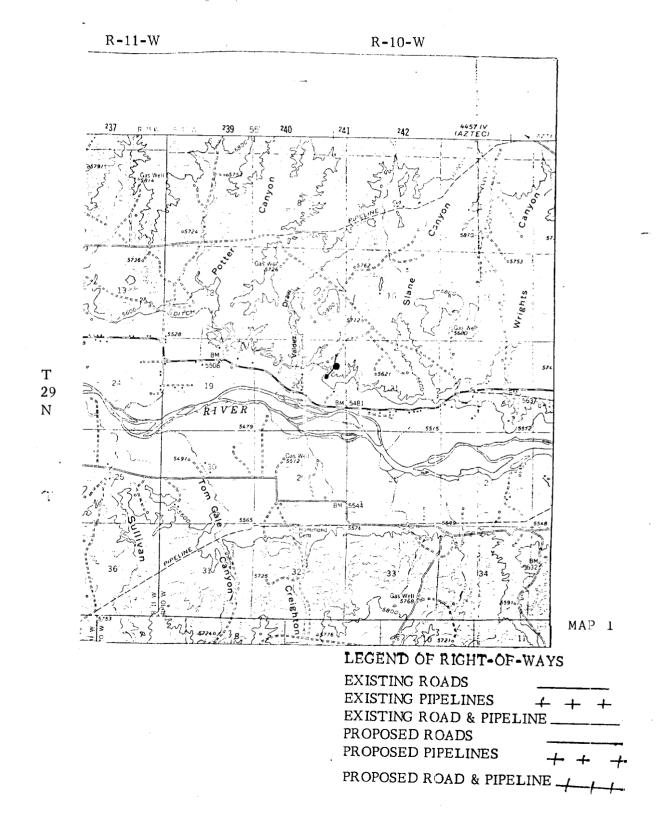
V. Cementing, cont'd.

Production casing - $(7 7/8" \times 4 1/2")$

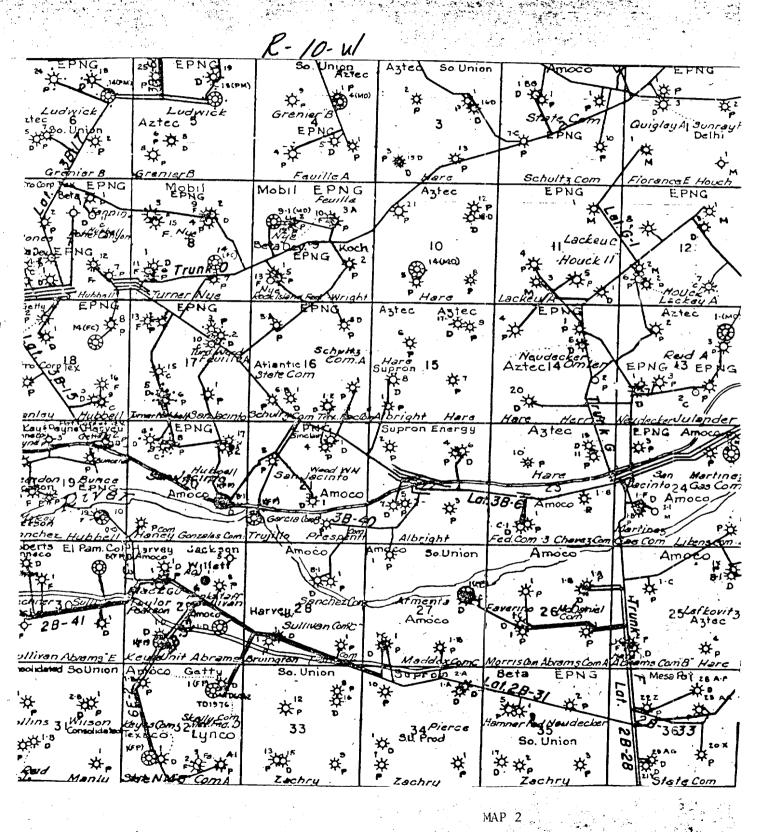
First stage - use 167 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack followed by 80 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (381 cu.ft. of slurry, 50% excess to cover the Gallup).

Second stage - circulate mud for 2 hours, then cement with 279 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (452 cu.ft. of slurry, 60% excess to cover the Mesa Verde).

Third stage - circulate mud for 2 hours, then cement using 317 sks. Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (514 cu.ft. of slurry, 60% excess to fill to top of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.



El Paso Natural Gas Company San Jacinto #6 E San Jacinto #6 E NE 20-29-10



Proposed Location - • •