#### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

# 30 -039-2227d

**UNITED STATES** DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY	

	GEOLOG	SF_079383			
APPLICATION	N FOR PERMIT T	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WORK	ILL 🗵	DEEPEN [	PLUG BA	ACK 🗌	7. UNIT AGREEMENT NAME
b. TYPE OF WELL			·		San Juan 30-6 Unit
OIL G	AS OTHER		SINGLE MULT	IPLE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR					San Juan 30-6 Unit
El Paso N	atural Gas Co	9. WELL NO.			
3. ADDRESS OF OPERATOR		101A -			
PO Box 28	9, Farmington	, NM 87401			10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (R	eport location clearly and	in accordance with any	State requirements.*)		Blanco Mesa Verde
At sarrace	800'S, 184	0 'E			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zor	ne				Sec.35,T-30-N,R-7-W
	same				NMPM
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OFFI	CE*		12. COUNTY OR PARISH   13. STATE
3 miles No	orth of Navaj	o City, NM			Bio Arriba NM
15. DISTANCE FROM PROPORTION TO NEARES	OSED*		NO. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL
PROPERTY OR LEASE! (Also to nearest dr)	LINE, FT.	800'	unit		E/ 320.00 -
18. DISTANCE FROM PROF	POSED LOCATION* DRILLING, COMPLETED,	19.	PROPOSED DEPTH		ARY OR CABLE TOOLS
OR APPLIED FOR, ON TH		.5 miļe	6440'	Rota	сУ
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*
6913 <b>'</b> GL					
23.	P	ROPOSED CASING AN	ND CEMENTING PROGI	RAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
13 3/4"	9 5/8"	36.0#	200'	224	cu.ft. to circulate
8 3/4"	7"	20.0#	4165'	311	cu.ft.to cover Ojo Alam
6 1/4"	4 1/2"line	r 10.5#	4015-6440'		cu.ft.to circ.liner
•	' '		1	I	

Selectively perforate and sandwater fracture the Mesa Verde formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention or

This gas is dedicated. The E/2 of Section 35 is dedicated to this well. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive one and proposed p zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true preventer program, if any. 24. usco Drilling Clerk DATE 12 - 7 - 79TITLE . SIGNED (This space for Federal or State office use) PERMIT NO. \_ APPROVED BY 711 1979 CONDITIONS OF APPROVAL, IF ANY:

oh 5rh.

\*See Instructions On Reverse Side

- LL SUMLY

### STATE OF NEW MEXICO CHERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

# P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

All distances must be from the cuter boundaries of the Section.

Control Petitive Learning to South    South   Ince and   1840	Operator			Lease Well No.				
Control Petitive Learning to South    South   Ince and   1840	EL PASO NAT	L PASO NATURAL GAS COMPANY			SAN JUAN 30-6 UNIT (SF-079383) 101A			
Record Footses Lectures to well:  800	Unit Letter	_	1					
Sec.			30N		7W	Rio	Arriba	
1. Outline the acreage dedicated to the subject well by colored pencil of hackner 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  A Yes No If answer is "yes," type of consolidation Unitization  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.  CERTIFICATION  I hereby certify that the information contained herein is two and complete to the base of my knowledge and ballet.  Discrepance of the best of my knowledge and ballet.  Sec.  DECL:  10 10 11 11 11 12 Clerk  Produce  11 hereby certify that the well location is shown on this plat was platted from field notes of school covers med by me or underly and covers to the best of my knowledge and belief.  18 hereby certify that the well location is two and covers to the best of my knowledge and belief.  18 hereby certify that the well location is town on this plat was platted from field notes of school covers med by me or underly and covers to the best of my knowledge and belief.  18 hereby certify that the well location is town on this plat was platted from field notes of school covers med by me or underly and covers to the best of my knowledge and belief.  Produce the platter of the platter of my knowledge and belief.  Produce the platter of the p	800	· C-	uth line and	נ	.840 feet	from the	East	line
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Sec.    CERTIFICATION   I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   COMPANY   DECEMBER 7, 1979     DEC 1								
Sec.    Thereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Name		, , , , , , , , , , , , , , , , , , , ,			.,		o,	approved by the commis
Sec.    Thereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Name			CXXXXXX	XXX		XXXX	<del></del>	
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Sec.    Name   Drilling Clerk   Position   El Paso Natural Gas Co.   Company   December 7, 1979   Date		i	×		1	. K	Destorm)	(1 1 .
Sec.    Drilling Clerk   Feestion   El Paso Natural Gas Co.   Company   December 7, 1979		i	X		1	<b>[</b>	N. 1	J. Dusco
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P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

### Multi-Point Surface Use Plan San Juan 30-6 Unit #101A

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.

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- 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.
- 3. 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.
- Location and Type of Water Supply Water for the proposed project will be obtained from Frances Creek.
- 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 pinon and cedar growing. Cattle and deer 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

# Operations Plan San Juan 30-6 Unit #101A

I. Location: 800'S, 1840'E, Section 35, T-30-N, R-7-W, Rio Arriba County, NM

Field: Blanco Mesa Verde Elevation: 6923'

### II. Geology:

Α.	Formation	Tops:	Surface	San Jose	Lewis	3963 <b>'</b>
			Ojo Alamo	2788 <b>'</b>	Mesa Verde	5622'
			Kirtland	3008'	Menefee	5676 <b>'</b>
			Fruitland	3463'	Point Lookout	5988 <b>'</b>
			Pic.Cliffs	3807 <b>'</b>	Total Depth	6440'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5610', 5665', 5975' 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 4165'. Gas from intermediate casing to Total Depth.

### IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	36.0 # H-40
		8 3/4"	4165'	7"	20.0# K-55
		6 1/4"	4015-6440'	4 1/2"	10.5# K-55

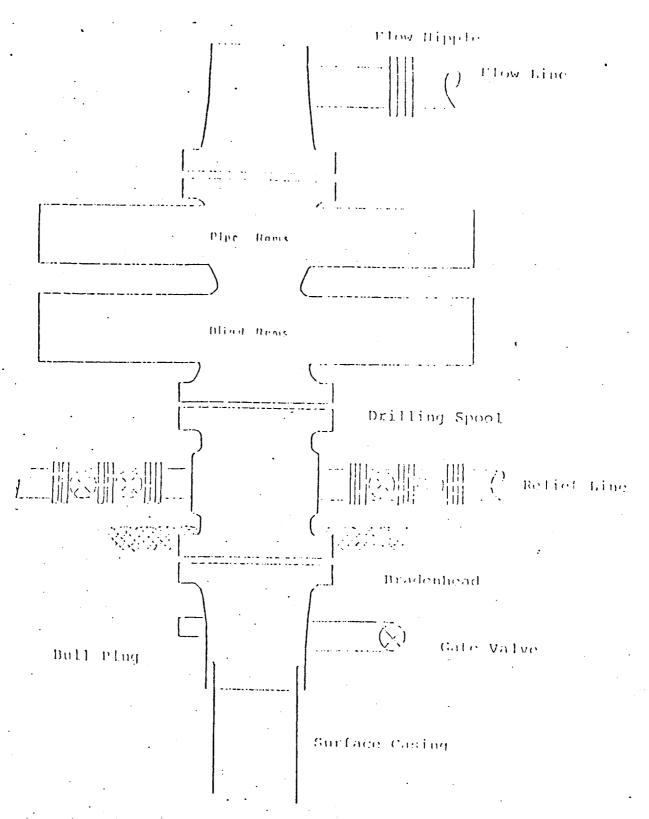
B. Float Equipment: 9 5/8" surface casing - cement guide shoe.

7" intermediate casing - cement guide shoe and self-fill insert float valve, 5 stabilizers every other joint above shoe. Run float two joints above shoe.

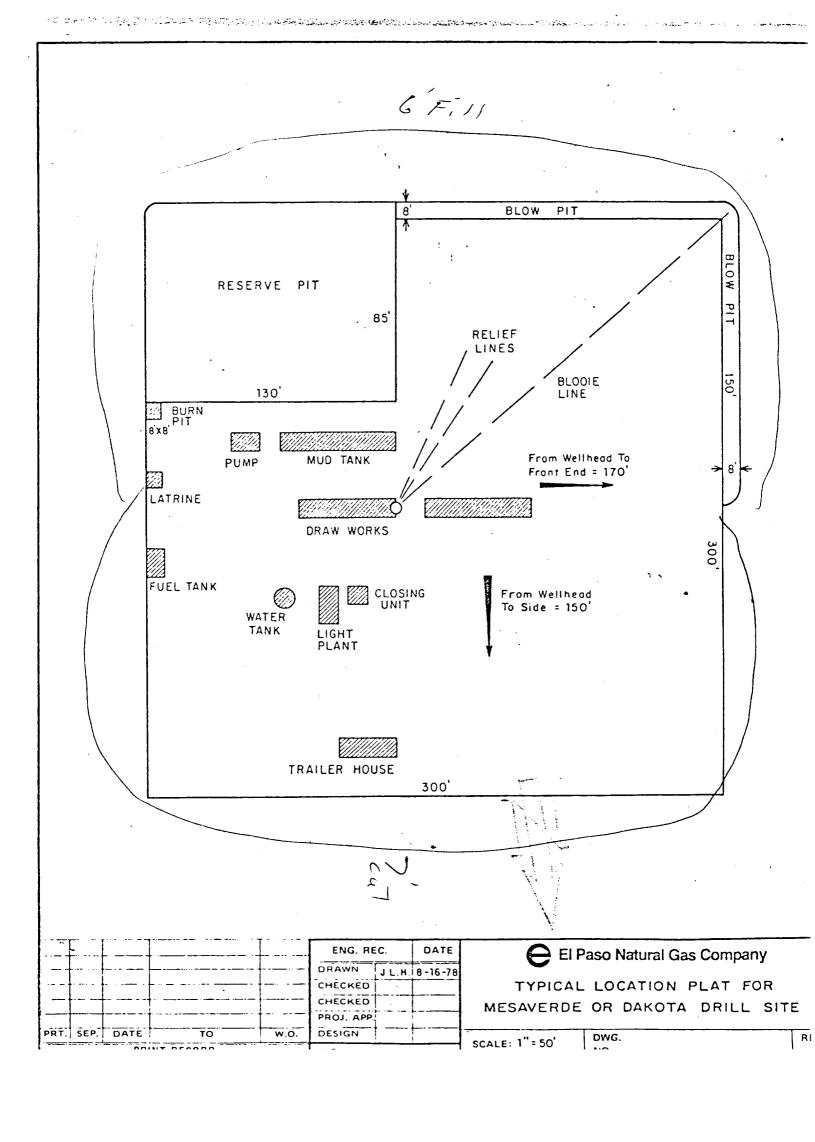
- 4 1/2" liner 4 1/2" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar
- C. Tubing: 6440' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple one joint above bottom. Tubing will be open ended.
- D. Wellhead Equipment: 10" 2000 x 9 5/8" casing head. 10" 2000 x 6" 2000 xmas tree.

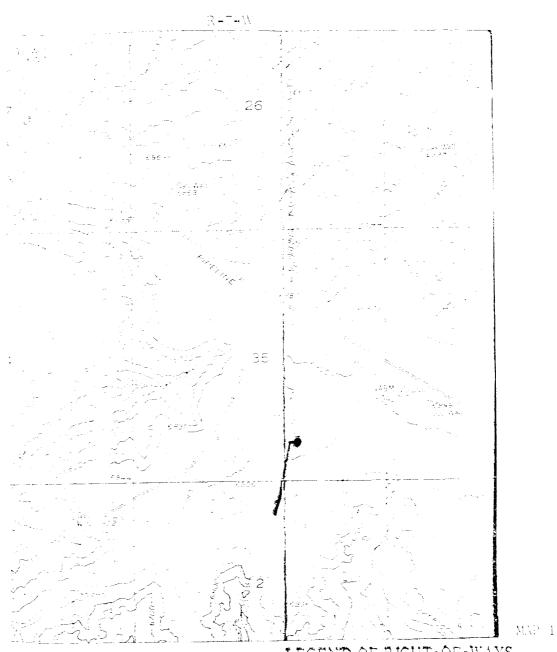
### V. Cementing:

- 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 119 sks. of 65/35 Class "B" Poz with 6% gel and 2% calcium chloride (8.3 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (311 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" liner precede cement with 20 barrels of gel water (2 sks. gel) Cement with 305 sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (424 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.



Series 900 Double Gate BOF, 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.



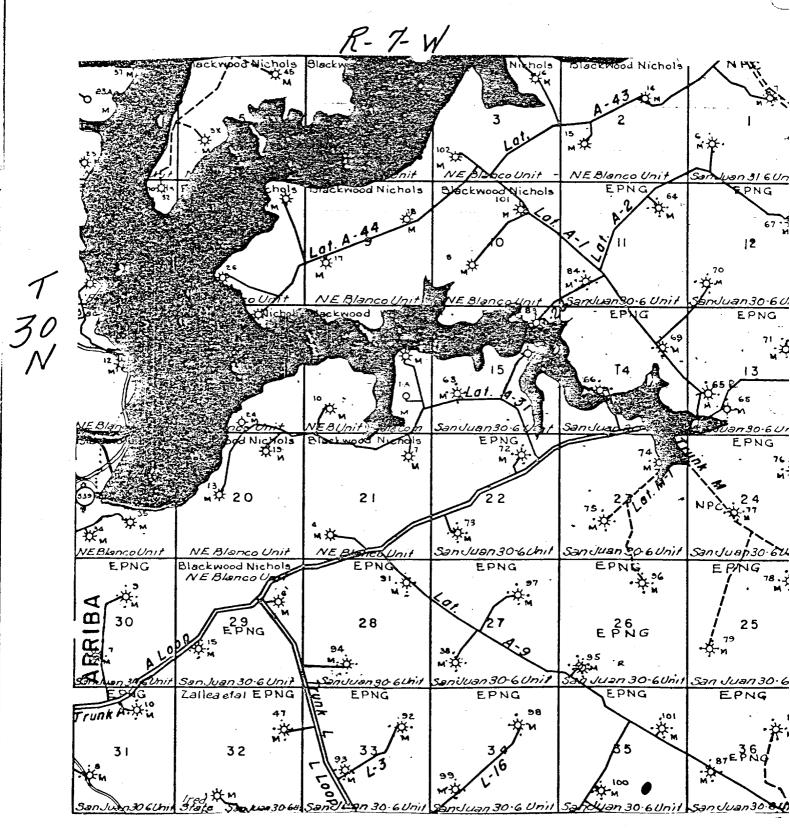


LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS EXISTING PIPELINES EXISTING ROAD & PIPELINE PROPOSED ROADS PROPOSED PIPELINES

PROPOSED ROAD & PIPELINE

El Paso Natural Gas Company San Juan 30-6 Unit #101A SE 35-30-7



MAP 2

Proposed Location •