# SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

30-039-22363
5. LEASE DESIGNATION AND SERIAL NO.

		. •	· · · —·			5. LEASE DESIGNATIO	N AND SERIAL NO.	
GEOLOGICAL SURVEY					SF 078417			
APPLICATIO	N FOR PERMIT	TO DRILL, I	DEEP	EN, OR PLUG I	BACK	6. IF INDIAN, ALLOTT	EE OR TRIBE NAME	
	ĭLL×□	DEEPEN [	7	PLUG BA	ск 🗆	7. UNIT AGREEMENT	NAME	
b. Type of well					San Juan 28-7 Unit			
OIL G	VELLX OTHER			INGLE MULTIN	PLE	8. FARM OR LEASE NAME		
2. NAME OF OPERATOR  E. 1 Pago Na	tural Gas Cor	manu				San Juan 28	8-7 Unit	
3. ADDRESS OF OPERATOR	curar das con	прану				256E		
PO Box 289	Farmington	NM 8741	h n	RECEIVE	ED	10. FIELD AND POOL,	OR WILDCAT	
4. LOCATION OF WELL (F	, Farmington Report location clearly and	in accordance wit	h any s	state requirements.*)		Basin Dako		
At surface	1960's, 139	90'E	Ì	APR 24 108	30	11. SEC., T., R., M., OR	BLK.	
At proposed prod. zoi	•		- 1			Sec. 17, T-28-N, R-7-W		
	same		1	U. S. GEOLOGICAL S	SURVEY	NMPM		
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	r or ric			12. COUNTY OR PARIS	H   13. STATE	
7 miles so	utheast of Na	avajo City	, N	M		Rio Arriba	NM	
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED*		16. NO	O. OF ACRES IN LEASE	17. NO. 0	OF ACRES ASSIGNED HIS WELL	<del></del>	
PROPERTY OR LEASE ! (Also to nearest dr)	LINE, FT. g. unit line, if any)	1250'		unit	10.1	320.00		
18. DISTANCE FROM PROI			19. PF	OPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS		
OR APPLIED FOR, ON TH		300 <b>'</b>		7812 <b>'</b>	Rotary	7	* \$	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROX. DATE W	OBK WILL START*	
6637'GL								
23.	· · · · · · · · · · · · · · · · · · ·	PROPOSED CASIN	G ANI	CEMENTING PROGR	AM .			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OOT	SETTING DEPTH		QUANTITY OF CEMENT		
13.3/4"	9 5/8"	36.0#		200'	224 CT	u.ft. to circulate		
8 3/4"	7"	20.0#		3650'	272 cu	i.ft.to cove	er Ojo Alamo	
6 1/4"	4 1/2" lie	10.5# & 1	Ll.6	# 7812 <b>'</b>	641 cu	i.ft. to fil	ll to inter.	
Selectivel	y perforate a	and sandwa	ater	fracture th	: le Dako	ota formatio	on;	
A 3000 psi	WP and 6000	psi test	dou	ble gate pre	venter	equipped v	with	
blind and	pipe rams wil	ll be used	l fo	r blow out p	rever	rion on thi	s well.	
							1	
This gas i	s dedicated.					18 0 5 3		
ml /0	012 37		=	0 = 0.5 d 2.5	· No.	CON N. 1	F	
	Section 17 i							
one. If proposal is to	e PROPOSED PROGRAM: If p drill or deepen directiona	proposal is to deep lly, give pertinent	data o	nug back, give data on p n subsurface locations a	resent prodi nd measured	uctive zone and propos I and true vertical depi	ed new productive ths. Give blowout	
preventer program, if an	у.							
signed SLA4	ox Bradle	Ud TIT	LE	- Drilling	Clork	DATE	2_00_	
(This space for Fede	ral or State office use)	<del></del>		DITTITIG	CICIK.		. 00	
, amo space for Pede	or some omee use)					* 51 <u>.</u>		
PERMIT NO.				APPROVAL DATE				
						APPROM	ED	
APPROVED BYCONDITIONS OF APPROV	AT IP ANY	TIT	LE		-   -	DATE		
COMPLICATE OF AFPROV	AL, IF ANI.				1 .	F 450V 0 1 40	~~ !	

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\*See Instructions On Reverse Side

MMOCC

MAY 21 1980

DISTAIL: ENGINEER

All distances must be from the cuter houndaries of the Section

		<del></del>	<del></del>		<del></del>	
Gerator 'EL PASO NA	TURAT, GAS COME	94 <i>N</i> Y	SAN JUAN 28-7	UNIT (SF-078)	Well No. 256-E	
Unit Letter	EL PASO NATURAL GAS COMPANY Init Letter Section Township		Ronge	County	250-6	
J	17	28N	7W	Rio Arriba		
Actual Footage Loc		C	3200			
Ground Level Elev.	feet from the Producing For	South line and	1390 fee	et from the East	line Dedicated Acreage;	
6637	Dakot		Basin Dakota		320.00 Acres	
2. If more th	<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>					
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?  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 i No allowat	f necessary.) ole will be assigne	ed to the well until al	l interests have been	consolidated (by co	ommunitization, unitization, en approved by the Commis-	
	                 	#256 	9 SF-078417	Norme  Dril Position  El P Company	CERTIFICATION  y certify that the information conherein is true and complete to the my knowledge and belief.  My Dunfuld  Lling Clerk  Paso Natural Gas Co.	
		17	C4// 5 13901 13901 200441	Date Surv  Registers and/or // c	ruary 28 1980 d Professional Engineer and Surveyor  B. Kerr Jr.	
0 230 660	90 1320 1030 1980	2310 2040 200	0 1300 1000 5	Certifica	タ ヘニ じと ノスコル	

# EIPEED NATURAL GAS

P.O. RESCHER FARMURITEEL, HESPAN - E.O. LIAN PROPER, 14th Charles

Well Name 5. 5. 28-7 Unit 256 E	· · · · · · · · · · · · · · · · · · ·
Location SEI7 28-7	
Formation DK	
	•
We, the undersigned, have inspected this location	and road.
U. S. Forest Service	Date .
Archaeologist Tord	3/25/80
	Date /
Bureau of Indian Affairs Representative	
Sol Marl	3/25/A)
Bureau of Land Management Representative	Date
Barbara J. Contlei	3/25/80 3/25/80
U. S. Geological Survey Representative - AGREES TO THE FOOTAGE LOCATION OF THIS WELL.	Date
REASON: Seed Mixture:	
Equipment Colors Briwn	<u>.</u>
Road and Row: (Same) or (Separate)	
Remarks:	

C.C. to Dave Vilvin Earl Mealer John Ahlm



#### Multi-Point Surface Use Plan San Juan 28-7 Unit #256E

- 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.
- 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.
- 5. Location and Type of Water Supply Water for the proposed project will be obtained from Manzaneras Mesa Water Well #1.
- 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 a ridge with pinon, juniper and sage 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.

D. R. Read

Project Drilling Engineer

# Operations Plan San Juan 28-7 Unit #256E

I. Location: 1960'S, 1390'E, Section 17, T-28-N, R-7-W, Rio Arriba County, NM

Field: Basin Dakota Elevation: 6637'GR

#### II. Geology:

Α.	Formation	Tops:	Surface	San Jose	Menefee	5080'
			Ojo Alamo	2448'	Point Lookout	5520 <b>'</b>
			Kirtland	2493'	Gallup	6540 <b>'</b>
			Fruitland	3061'	Greenhorn	7468'
			Pic.Cliffs	3293 <b>'</b>	Graneros	7527 <b>'</b>
			Lewis	3448'	Dakota	7666'
			Mesa Verde	4930'	Total Depth	7812'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4920', 5070', 5510', 6530', 7455', 7515', 7655' 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:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	36.0# K-55
		8 3/4"	3650 <b>'</b>	7"	20.0# K-55
		6 1/4"	6500 <b>'</b>	4 1/2"	10.5# K-55
		6 1/4"	7812'	4 1/2"	11.6# K-55

B. Float Equipment: 9 5/8" surface casing - Pathfinder Texas Pattern guide shoe (Part No.2006-1-012)

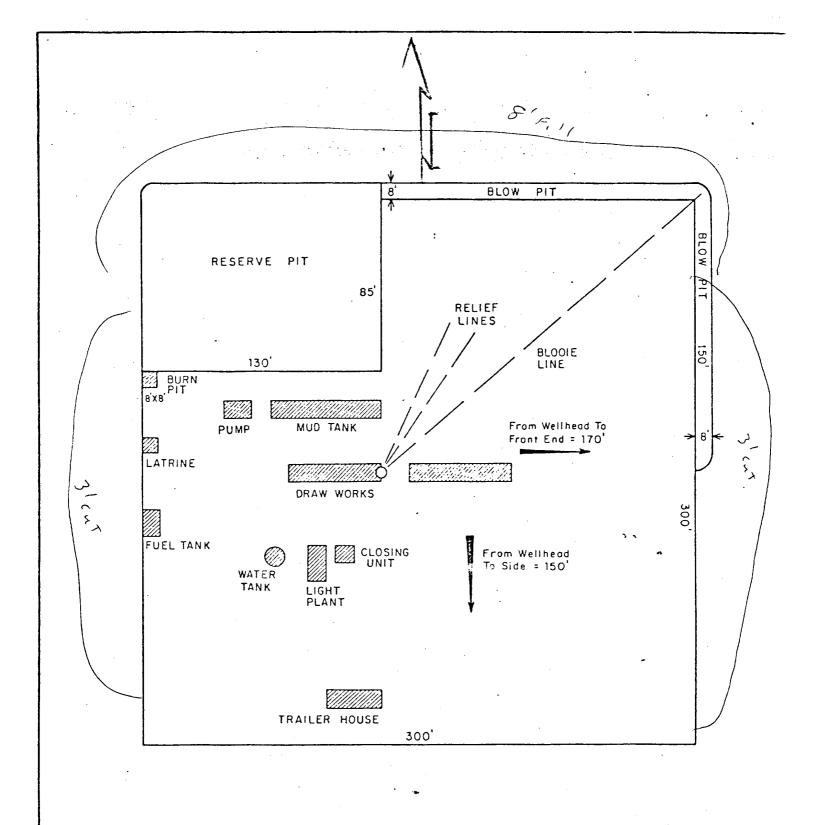
7" intermediate casing - Pathfinder guide shoe (Part No. 2003-1-007) and Howco self-fill insert float valve (Price Ref. 36A & 37) 5 Pathfinder stabilizers (Part No. 107-10) one every other joint above shoe. Run float two joints above shoe.

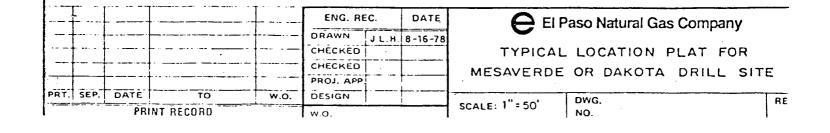
- 4 1/2" production casing Pathfinder guide shoe (Part.#2003-1-000) and Larkin flapper type float collar (fig. 404 M&F)
- C. Tubing: 7812' of 1 1/2", 2.9#, J-55 10rd EUE tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom.
- D. Wellhead Equipment: 3000 psi test tree. Wellhead representative to set all slips and cut off casing.

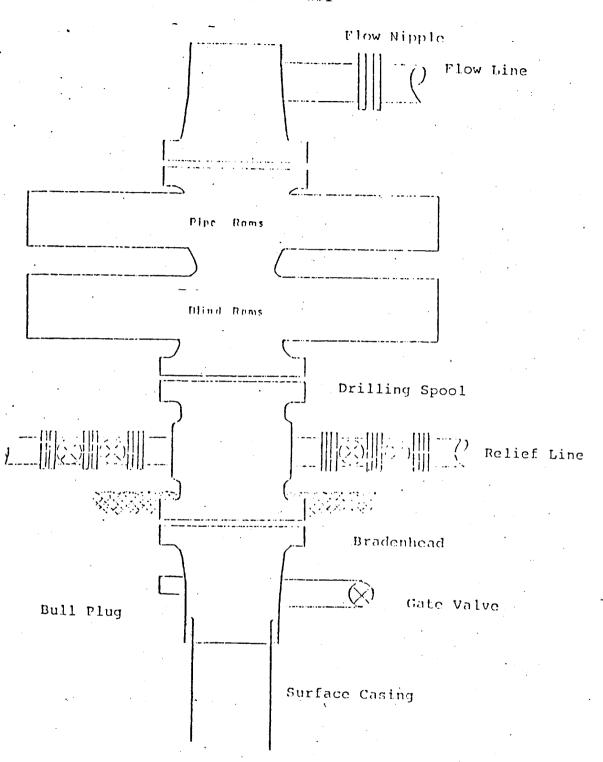
Operations Plan - San Juan 28-7 Unit #256E

#### 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 95 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 (272 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 240 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 (641 cu.ft. of slurry, 50% excess to fill to intermediate casing). Run temperature survey at 8 hours. WOC 18 hours.

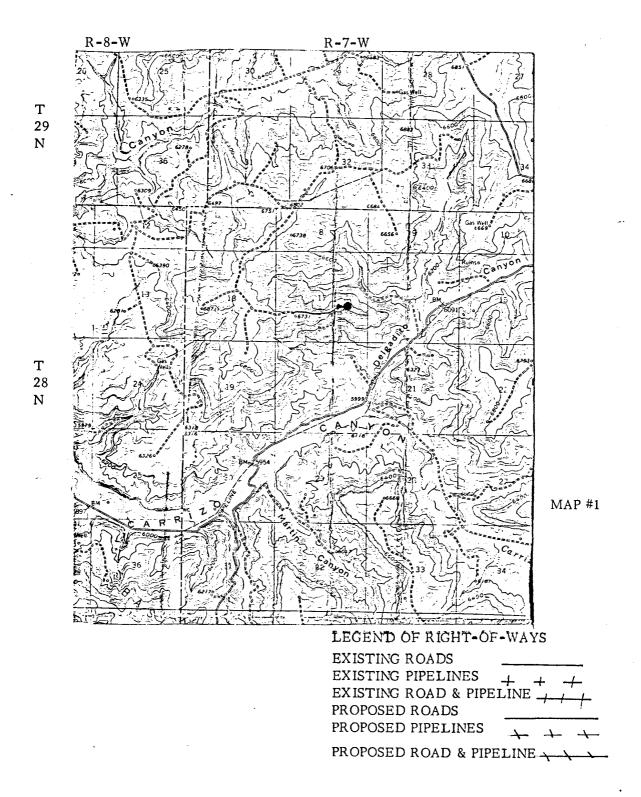




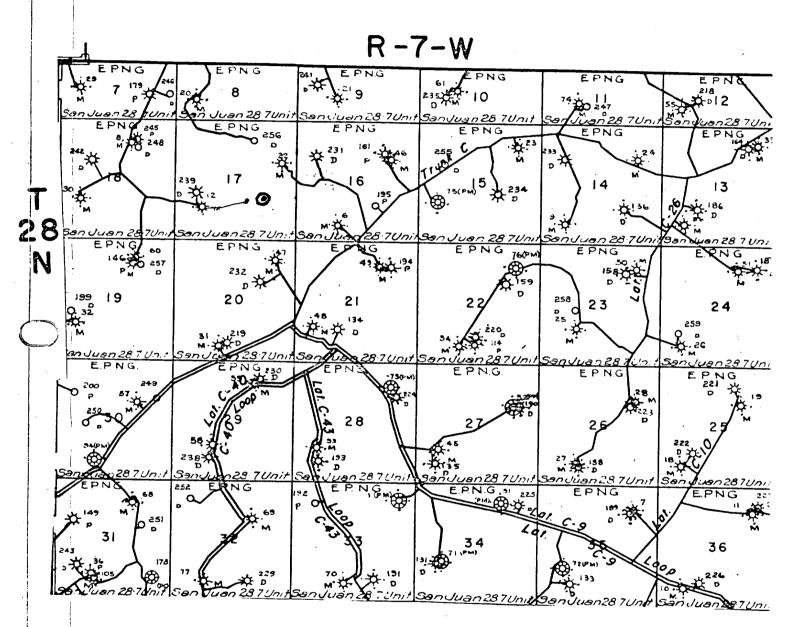


Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type
50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

### EL PASO NATURAL GAS COMPANY San Juan 28-7 Unit #256E SE 17-28-7



## EL PASO NATURAL GAS COMPANY San Juan 28-7 Unit #256E SE 17-28-7



MAP #2
Proposed Location •