SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

DELYMPINE OF THE INTERIOR						30 - 075 - 33836 5. LEASE DESIGNATION AND SERIAL NO.		
GEOLOGICAL SURVEY						SF 077942-A		
APPLICATION	I FOR PERMIT	TO DRILL, D	EEPE	N, OR P	LUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
b. TYPE OF WELL OIL GA	S OTHER	DEEPEN [SI	PL	UG BAC		7. UNIT AGREEMENT NA Huerfano U 8. FARM OR LEASE NAM Huerfano U	Unit GE
2. NAME OF OPERATOR El Paso Na	tural Gas C	Company				-	9. WELL NO.	TILE _
3. ADDRESS OF OPERATOR							270 -	
PO Box 289, Farmington, NM 87401 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)							10. FIELD AND POOL, OR WILDCAT Basin Dakota	
At surface 800'S, 1800'W Vat proposed prod. zone same							11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7, T-26-N, R-10-V NMPM	
14. DISTANCE IN MILES A							12. COUNTY OR PARISH	13. STATE
15 miles S	South of Blo	oomfield, N		. OF ACRES IN	LEASE	17. NO. OF	San Juan	l NM
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT. . unit line, if any)	800'		Uni		то ти	TO THIS WELL W/ 31	
 DISTANCE FROM PROPE TO NEAREST WELL, DE OR APPLIED FOR, ON THE 	RILLING, COMPLETED,	500'	19. PK	oposed depth 664	5 '	Rotar	Y OR CABLE TOOLS	
21. ELEVATIONS (Show whe		300				ino car	22. APPROX. DATE WOI	RK WILL START*
23.		PROPOSED CASIN	G ANI	CEMENTING	G PROGRA	м :		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING !	EPTH		QUANTITY OF CEMEN	T .
12 1/4"	8 5/8"	24.0#		20	0'	183 cı	ı.ft.circ. t	o surface
7 7/8"	4 1/2"	10.5#		664	5.'	1681	cu.ft 3 s	stages
2nd stage 3rd stage	- 353 cu.ft - 664 cu.ft - 664 cu.ft	to cover to cover	Me: Ojo	sa Verdo O Alamo	e forma	nation ntion	ota formatio	on.
blind and		vill be use				reven	r equipped v tion on this TCEIVE SEP 28 197	E D
IN ABOVE SPACE DESCRIBE zone. If proposal is to o preventer program, if any	drill or deepen directio	f proposal is to deepe	n or p	lug back, give	data on pr	esent produ		nd new productive
signed	9. Busco	, TiTi	.е	Dri	lling	Clerk	9 <u>-2</u> (2100
(This space for Feder	ral or State office use)						1 27 2	

oh Frank

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _

nmoce

APPROVAL DATE

TITLE _

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section Jaratelor. Well No. EL PASO NATURAL GAS COMPANY HUERFANO UNIT (SF-077942-A) 270 Section Jait Letter Township Huirjo County 26-N 10-W SAN JUAN Actual Feetage Location of Well: 800 SOUTH 1800 WEST feet from the line and Froducing Fermatica Pool Dedicated Acreage: 318.08 DAKOTA BASIN DAKOTA 1. Outline the acreage dedicated to the subject well by colored pencil or hachuse 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? X Yes Unitization If answer is "yes," type of consolidation ____ 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, climinating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. usco Drilling September 20 SECTION 7 I hereby certify that the well location shown on this plot was plotted from field SF-077942-A notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 1800' MAY 10, 1974 The reserve of the party



P.O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan Huerfano Unit #270

- 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 Huerfano 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 flat and rolling sagebrush hills with grass and sagebrush growing. Cattle, deer and antelope are occasionally seen on the 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 - Huerfano Unit #270

I. Location: 800'S, 1800'W, Section 7, T-26-N, R-10-W, San Juan County, NM

Field: Basin Dakota Elevation: 6475'GR

II. Geology:

Α.	Formation	Tops:	Surface	Nacimiento	Menefee	
		_	Ojo Alamo	897 '	Point Lookout	4347'
			Kirtland	1007'	Gallup	5427 '
			Fruitland	1682'	Greenhorn	6323 '
			Pic.Cliffs	1932'	Graneros	6387 '
			Lewis	2102'	Dakota	6496 '
			Mesa Verde	3547'	Total Depth	6645 '

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

C. Coring: none

D. Samples: none

III. Drilling:

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

IV. Materials:

Α.	A. Casing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
		13 3/4"	2001	9 5/8"	32.3# H-40
		8 3/4"	5075	4 1/2"	10.5# J-55
		7 7/8"	6500 '	4 1/2"	10.5# J-55
		7 7/8"	6645'	4 1/2"	11.6# J-55

- B. Float Equipment: 9 5/8" surface casing cement guide shoe
 - 4 1/2" production casing cement guide shoe and self-fill insert valve. Two multiple stage cementers equipped for three stage cementing. Set tool for second stage at 4975' and tool for third stage att 2200'. 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: 6645' of 2 3/8", 4.7#, J-55 tubing with a common pump seating nipple and an expendable check valve with drill type guide.
- D. Wellhead Equipment: 10" 3000 x 9 5/8" casing head with 10" x 4 1/2" casing hanger, 10" 3000 x 6" 3000 xmas tree. Wellhead representative to set all slips.

Operations Plan - Huerfano Unit #270

V. Cementing:

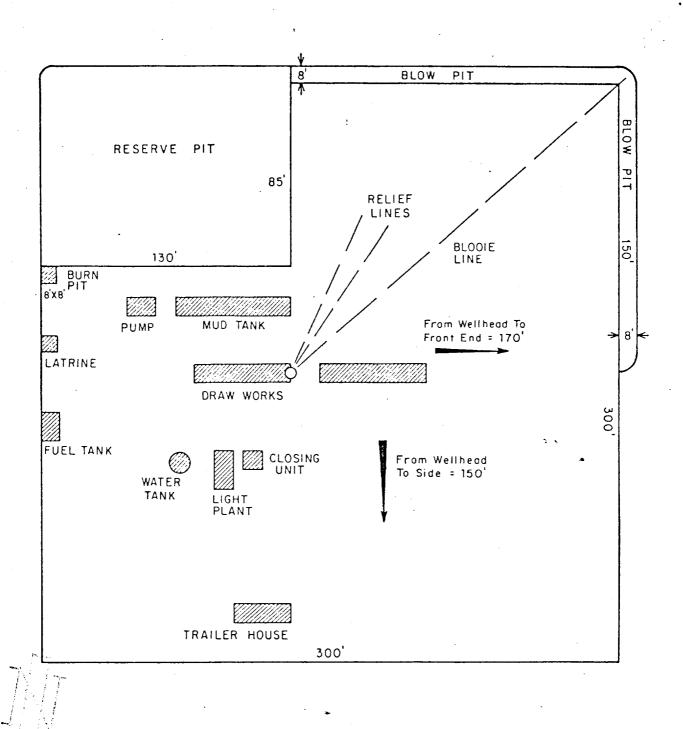
Surface casing (13 3/4" x 9 5/8") - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate). WOC 12 hours. Test to 600#/30 min.

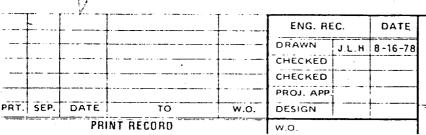
Production casing -

First stage (4 1/2" x 7 7/8") - use 140 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack followed by 100 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (353 cu.ft. of slurry, 50% excess to cover the Gallup).

Second stage (4 1/2" x 8 3/4") - circulate mud for 2 hours, then cement with 410 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (664 cu.ft. of slurry, 60% excess to cover the Mesa Verde).

Third stage (4 1/2" x 8 3/4") - circulate mud for 2 hours, then cement using 410 sks. 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (664 cu.ft. of slurry, 60% excess to cover the Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.





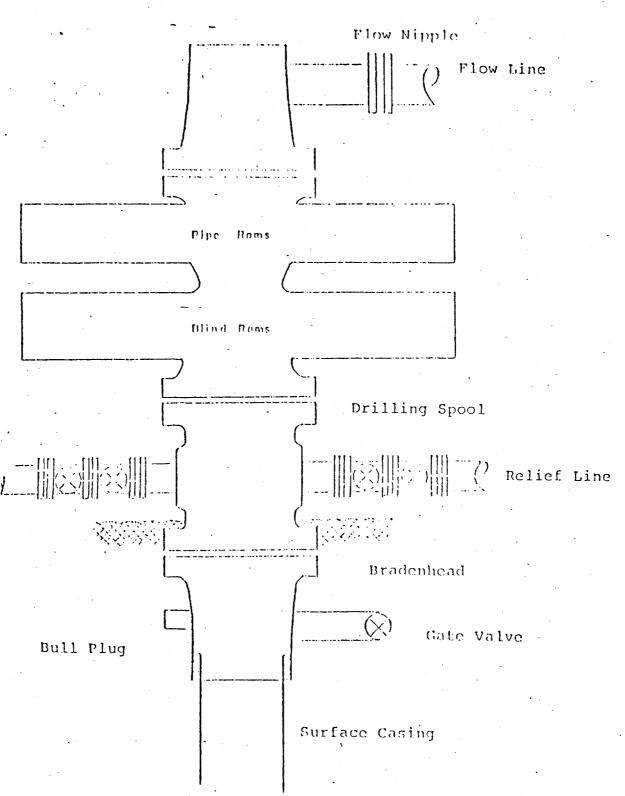
El Paso Natural Gas Company

TYPICAL LOCATION PLAT FOR MESAVERDE OR DAKOTA DRILL SITE

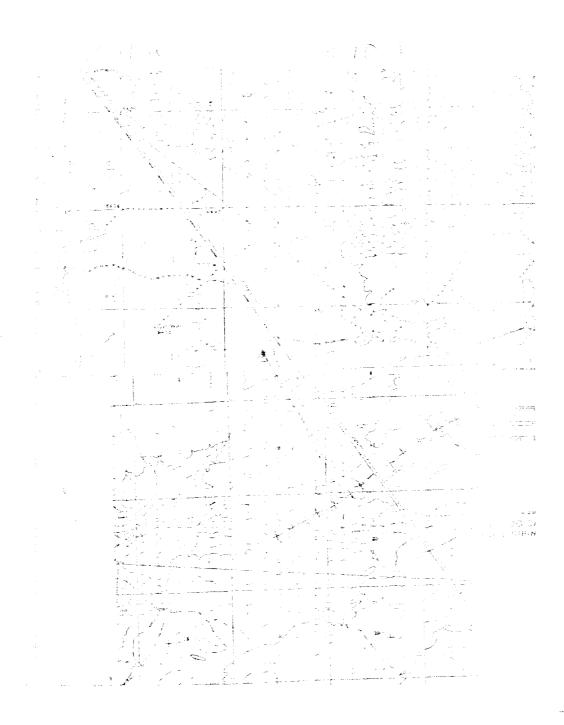
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DWG.

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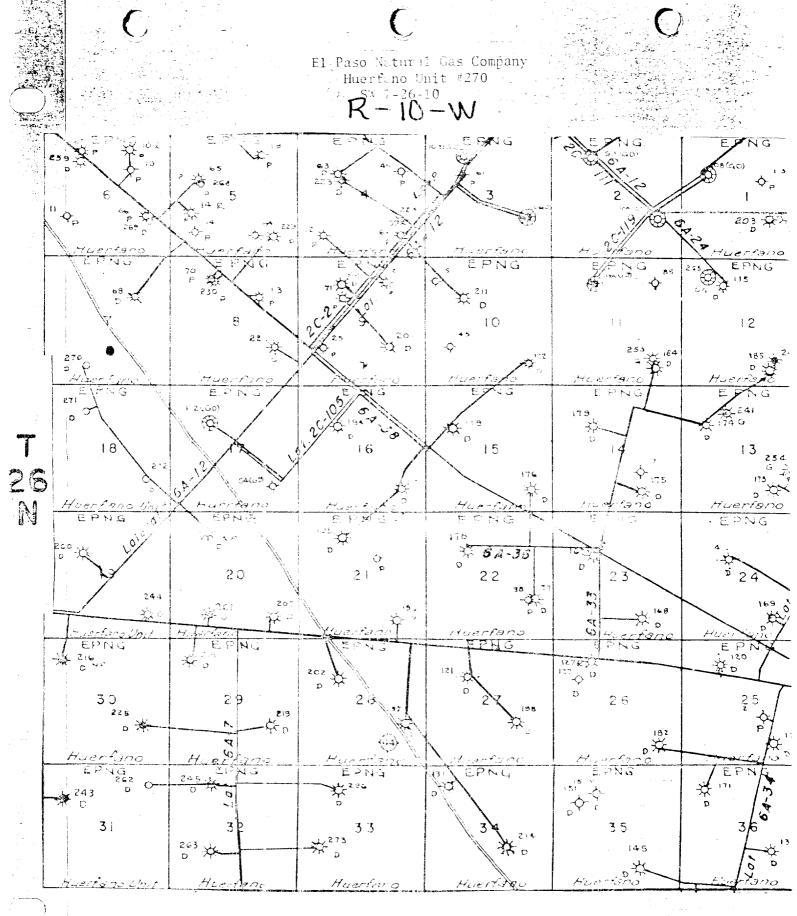


Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.



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MAP- 2