Form 9-331 C (May 1963)				SUBMIT IN T	RIPLICATE		roved.
, ,	UNI	TED STATE	S	(Other instru			reau No. 42-R1425.
	DEPARTMEN			44 . 41		30 045	-23885
	GEOLO	OGICAL SURV	EY			NM 6896	TON AND SEBIAL NO.
APPLICATION	N FOR PERMIT	TO DRILL	DEEPEN (OP PLUG P	N CV	.}	TTEE OR TRIBE NAME
1a. TYPE OF WORK	V TOR TERRIT	TO DIVILLY	DECI LIA,	JK I LOG I	ארת		
	ILL 🖺	DEEPEN		PLUG BA	ск 🗆	7. UNIT AGREEMEN	T NAME
OIL G.	AS OTHER		SINGLE ZONE	X MULTIE	LE	S. FARM OR LEASE	NAME
2. NAME OF OPERATOR			DOTE:			Nageezi	
El Paso Nat	tural Gas Con	npany				9. WELL NO.	
3. ADDRESS OF OPERATOR						5	
PO Box 289,	, Farmington	, NM 8740)1			10. FIELD AND POO	L. OR WILDCAT
LOCATION OF WELL (R	eport location clearly an	d in accordance wi	th any State rec	uirements.*)		Basin Dak	
_ At surface	1610'N, 85	50'W				11. SEC., T., B., M.,	•
At proposed prod. zon	same				•	Sec. 12, T	25-N,R-9-W
14. DISTANCE IN MILES	AND DIRECTION FROM NE	AREST TOWN OR POS	T OFFICE*			12. COUNTY OR PAR	ISH 13. STATE
6 miles sou	ith of Bloom					San Juan	NM
15 DISTANCE FROM PROPO LOCATION TO NEAREST	r	1075'	16. NO. OF AC			OF ACRES ASSIGNED HIS WELL	1
PROPERTY OR LEASE I (Also to nearest drig	g. unit line, if any)	1073		633.41		W	320.00
 DISTANCE FROM PROP TO NEAREST WELL, D. OR APPLIED FOR, ON THE 	RILLING, COMPLETED,	3000'	19. PROPOSED	_{БЕРТН} 6710'	20. ROTA Rotar	RY OR CABLE TOOLS	<u>, </u>
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)		<u> </u>		1		WORK WILL START*
6510'GL							WOOD WIED DINKS
23.		PROPOSED CASI	NG AND CEME	NTING PROGRA	AM	!	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SE	TTING DEPTH		QUANTITY OF CE	MENT
12 1/4"	8 5/8"	24.0#		200'	165 c	u.ft.circ.	to surface
7 7/8"	4 1/2"	10.5#&11.	6#	6710'		cu.ft 3	
_							<u></u>
lst stage -	411 cu.ft.	to cover	Gallup		İ		
2nd stage -	· 778 cu.ft.	to cover	Mesa Ve	rde			
3rd stage -	409 cu.ft.	to cover	Ojo Alar	no			
Selectively	perforate a	and sandwa	ter fra	sture the	Dako	ta formati	on
-			1001 114	ocare circ	Dano	ta ioimati	011.
A 3000 psi	WP and 6000	psi test	double a	rate pres	zenter	equinnod.	with
blind and r	ipe rams wil	.l be used	for blo	ow out pr	event	ion on thi	s well.
mla i a							
This gas is	dedicated.						
The C/2 of	Combine 10 4	a a a a a a a a a a	- 3				
ABOVE SPACE DESCRIBE	Section 13 in	proposal is to deep	en or plug back	lls Well.	esent produ	uctive sone and prop	osed new productive

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

P. O. BOX 2088

ENERGY AND MINERALS DEFARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the outer he

			rom the cuter houndaries	or the Section.				
Operator EL PASO NA	TURAL GAS COM	PARV	Lease	/	Well No.			
Unit Letter	Section ORS OUT	Township	NAGEEZI	(NM-6896)				
E	12	25N	Range 94	County San Juan				
Actual Footage Location of Well: 1610 feet from the North 850								
Ground Level Elev.		ine and	Foo!	feet from the West	line			
6510	I	akota		n Dakota 👤	Dedicated Acreage: 320.00 — Acres			
1. Outline th	e acreage dedica	ted to the subject w	ell by colored penc	il or hachure marks on th	e plat below.			
2. If more the interest ar	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 that dated by c	an one lease of demmunitization, u	ifferent ownership is initization, force-pool	dedicated to the we	ll, have the interests of	all owners been consoli-			
Yes	No If a	nswer is "yes," type	of consolidation	·				
If answer	is "no," list the	owners and tract des	criptions which have	e actually been consolida	ated. (Use reverse side of			
this form i	i necessary.							
No allowat	ole will be assign	ed to the well until a	l interests have bee	n consolidated (by com	munitization, unitization,			
iorced-pool	ling, or otherwise)	or until a non-standa	rd unit, eliminating	such interests, has been	approved by the Commis-			
sion.		·						
	 	XXXXX	l l		CERTIFICATION			
Ŕ l	1	12	1					
i 5		\bowtie	1		ertify that the information con-			
610'		×	1	1 1	ein is true and complete to the			
	i	Ø	1	best of my	knowledge and belief.			
3	i	×	!	\mathcal{A} .	D. Dusco			
} -	+	\ 		Dri	lling Clerk			
850'	1	×	i I	Positica	Paso Natural Gas			
3	!	×	 	Compent	ober 11, 1979			
\{	s	ec.	! !	Date				
}	. <u> </u>							
}	!	12	l I	! hereby	certify that the well-location			
\$		-[X]	ì	i i .	this plat was plotted from field			
3	NM-6896	×	i	[]	actual surveys made by me or			
\$		×	L	under my :	supervision, and that the same			
B	!	×		is true ar	nd correct to the best of my			
1	+ :	🖟		knowledge	and belief.			
\$	i	Ŭ ;	3.4					
X	i	×	1	Date Surveys	ed			
	i	Ø		July				
K	į	×		Registered F and/or Land	reseasioned Engineer			
				Frail	Kerr Jr.			
330 440	90 1320 1650 195		SEULANCE POR V	Certificate 2				



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

Multi-Point Surface Use Plan

Nageezi #5

- 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 #2.
- 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 sagebrush flats with sagebrush growing. Cattle and horses 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 - Nageezi #5

I. Location: 1610'N, 850'W, Section 12, T-25-N, R-9-W, San Juan County, NM Field: Basin Dakota Elevation: 6510'GL

II. Geology:

Α.	Formation	Tops:	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs Lewis	Nacimiento 1194' 1364' 1674' 5 1992' 2115'	Menefee Point Lookout Gallup Greenhorn Graneros Dakota	2980' 4375' 5507' 6305' 6355'
					Dakota	6478 '
			Mesa Verde	e 2840 '	Total Depth	6710'

- 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"	6710'	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 4975' and tool for third stage at 2315'. 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: 6710' 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: 8" 2000 x 8 5/8" casing head with 8" x 4 1/2" casing hanger, 8" 2000 x 6" 2000 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.

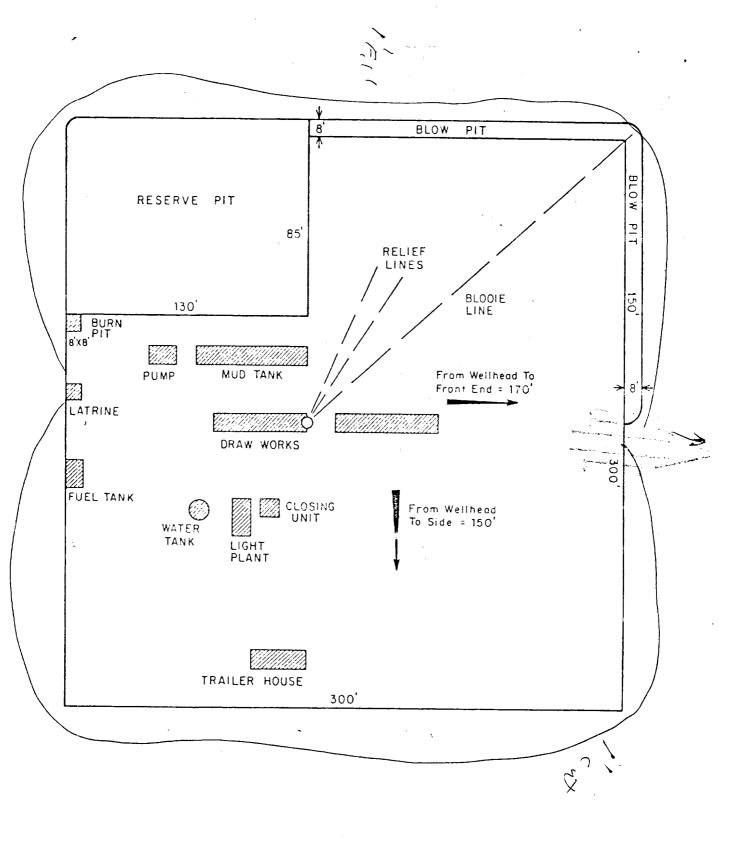
V. Cementing, cont'd.

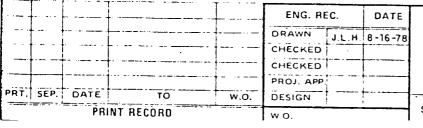
Production casing - $(7 7/8" \times 4 1/2")$

First stage - use 192 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. (411 cu.ft. of slurry, 50% excess to cover the Gallup).

Second stage - circulate mud for 2 hours, then cement with 480 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (778 cu.ft. of slurry, 60% excess to cover the Mesa Verde).

Third stage - circulate mud for 2 hours, then cement using 252 sks. Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (409 cu.ft. of slurry, 60% excess to fill to base of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.





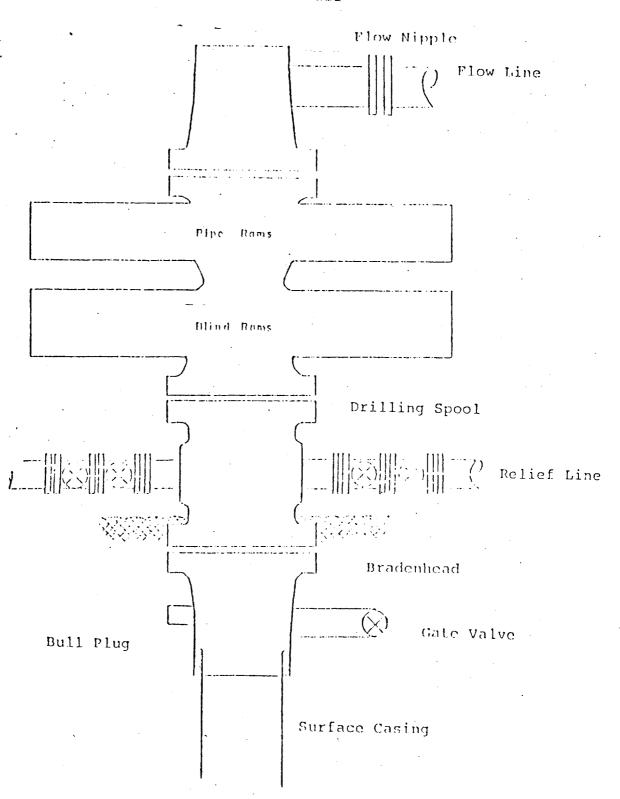
El Paso Natural Gas Company

TYPICAL LOCATION PLAT FOR MESAVERDE OR DAKOTA DRILL SITE

SCALE: 1"=50"

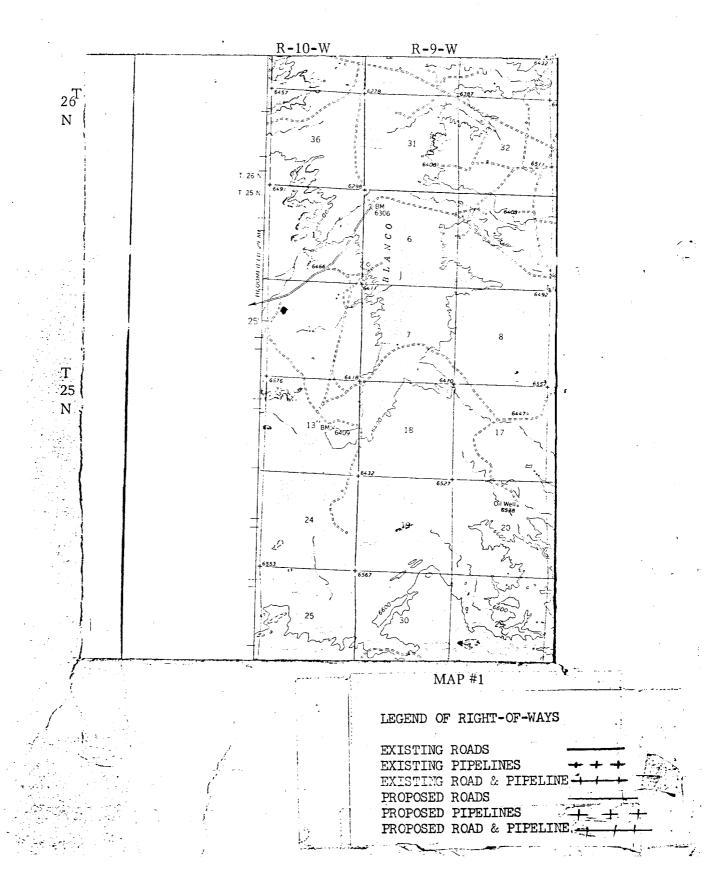
DWG. NO.

REV



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 Nageezi #5 NW 12-25-9



EL PASO NATURAL CAS COMPANY Nageezi #5 NW 12-25-9

R - 9-W

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i	Huertons Federal	Brainon Fed	Gardner	Mobil Rudman		
	31	32	33 .	34	35	36
	Abigail Adams					

MAP #2

Proposed Location