SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITE	ED $S$	STATE	ES		
DEPARTMENT	OF	THE	INT	<b>ERI</b>	OR

	DEPARTMENT	D STATES OF THE INTE	RIOR reverse s	ide) 	30 - 046 - 338  5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOG	ICAL SURVEY		ļ	NM 0607
APPLICATION	N FOR PERMIT TO	DRILL, DEEP	PEN, OR PLUG E	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	LL X	DEEPEN	PLUG BA	ск 🗌	7. UNIT AGREEMENT NAME
	AS ELL. X OTHER		SINGLE MULTIF	LE	8. FARM OR LEASE NAME
NAME OF OPERATOR  El Paso Na	atural Gas Com	ากลทุง			Atlantic C
ADDRESS OF OPERATOR	acular dab don	·Parry			6A -
PO Box 28	9, Farmington,	NM 87401	Clark		10 STALD AND POOP OF WILDCAT (-
At surface	eport location clearly and in	_	State requirements.		Blanco Mesa Verde 11. SEC., T., R., M., OR BLK.
At proposed prod. zon	•	, <sub>M</sub>			AND SURVEY OR AREA Sec. 6, T-30N, R-10-W
	same				NMPM
_	AND DIRECTION FROM NEARES		CE.		12. COUNTY OR PARISH 13. STATE
DISTANCE FROM PROPO			NO. OF ACRES IN LEASE		San Juan NM  OF ACRES ASSIGNED
PROPERTY OR LEASE L (Also to nearest drig	INE, FT.	810'	2150.21	TO TI	158:34 L W \$14.77
DISTANCE FROM PROP TO NEAREST WELL, DI	OSED LOCATION* RILLING, COMPLETED,	1	PROPOSED DEPTH	ŀ	RY OR CABLE TOOLS
OR APPLIED FOR, ON THE	IS LEASE, FT.	2640	5365'	Rotar	
6034'GL	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*
	PR	OPOSED CASING AN	D CEMENTING PROGRA	AM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
13 3/4"	9 5/8"	36.0#	200'		cu.ft. to circulate
8 3/4" 6 1/4"	4 1/2"liner	20.0# 10.5#	2990' 2840-5365'		cu.ft.to cover Ojo A
A 3000 psi	i WP and 6000	psi test do	ouble gate pro	evente preven	er equipped with
This are i	s dedicated.			a a	
71113 943 1	(A) - Gardin Medien	SEP 28 1376			
•	Section 6 is		– –		State of the Control
ne. If proposal is to eventer program, if an	drill or deepen directionally				uctive zone and proposed new productive it and true vertical depths. Give blowout
signed .	4. Suses	TITLE	Drilling	Clerk	DATE 9-20-79
(This space for Fede	ral or State office use)				API IEM
PERMIT NO.		·	APPROVAL DATE		
					1079
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY:	TITLE			POLICE S 131
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\*See Instructions On Reverse Side

#### OIL CONDERVATION DIVIDION

P. O. BOX 2088

Form C-102 Revised 10-1-78

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section.									
Operator				Lease					Well No.
EL PASO N.	ATURAL	GAS COMPANY		TA	LANTIC "C"	(M)	1-0607)		6A -
Unit Letter	Section	Town			Range	County			0.1
D	6		30N		10W	San	Juan		
D 6 30N 10W San Juan Actual Footage Location of Well:									
1105	feet from	m the North	line on	8	10 ,,	et from the	West		
Ground Level Elev.	<del></del>	oducing Formation	Inte Q		Blanco Pict	uned Cli	ffg Park		line ited Acreage:
6034	1	ctured Clif	fs-Mesa Ver	rdh.				158	.34 & 314.77 <sub>Acres</sub>
						Mesa Ver			
1. Outline th	e acreas	ge dedicated to	the subject	well by	colored pencil	or hachure	marks on th	e plat	below.
	ian one	lease is dedic							(both as to working
3. If more the dated by o	an one le communit	ease of differen ization, unitiza	it ownership is tion, force-poo	s dedica bling. et	ated to the well.	, have the	interests of	all or	wners been consoli-
Yes	☐ No	If answer	is "yes;" type	of con:	solidation				
	. 44								
If answer	is 'no,'	list the owner	s and tract des	scriptio	ns which have a	ectually be	en consolida	ated. (	Use reverse side of
this form i	t necess	ary.)	<del></del>						
No allowai	ble will h	oe assigned to	he well until a	ıll inter	ests have been	consolida	ted (by com	muniti	zation, unitization,
forced-poo	ling, or o	therwise) or uni	il a non-standi	ard unit	, eliminating su	ch interes	ts, has been	appro	ved by the Commis-
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P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

### Multi-Point Surface Use Plan

#### Atlantic C #6A

- 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 Hart Canyon Water Well.
- 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 cedar and pinon 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 Atlantic A #6A

Location: 1105'N, 810'W, Section 6, T-30-N, R-10-W, San Juan County, NM I. Field: Blanco PC Ext. & Blanco MV Elevation: 6034'GL

#### II. Geology:

A. I	Formation	-	Surface Ojo Alamo	Nacimiento 1249'	Lewis Mesa Verde	2789 <b>'</b> 4245 <b>'</b>
			Kirtland Fruitland Pic.Cliffs	2774'	Menefee Point Lookout Total Depth	4437' 4914' 5365'

B. Logging Program: I-ES and GR-Density at 2990'

GR-Ind. and GR-Density at Total Depth.

C. Coring Program: none

D. Natural Gauges: 4235', 4430', 4905' 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 2990'. Gas from intermediate casing to Total Depth.

### IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	Depth 200'	9 5/8"	36.0# K-55
		8 3/4"	2990 <b>'</b>	7"	20.0# K-55
		6 1/4"	2840-5365	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 & PBR. Geyser shoe and flapper type float collar

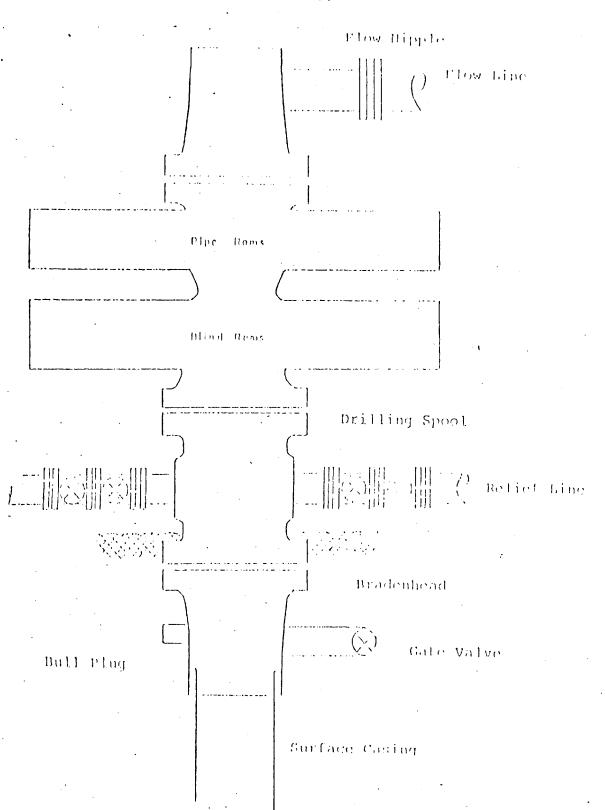
C. Tubing: 5365' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple one joint above bottom. Tubing will be open ended.

2990' of 1 1/4', 2.33#, IJ tubing with common pump seating nipple above a perforated joint plugged on bottom. Isolate producing formations with a packer.

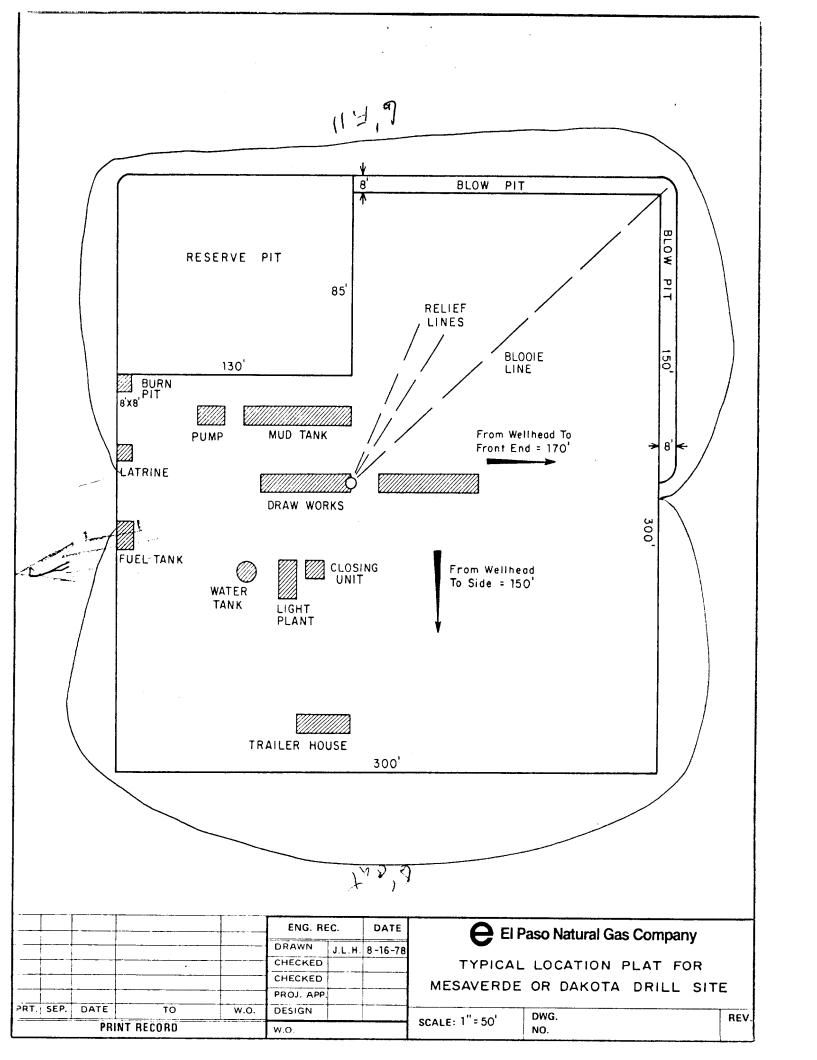
D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" x 7" casing hanger, 10" 2000 x 6" 2000 dual tubing head.

# V. Cementing:

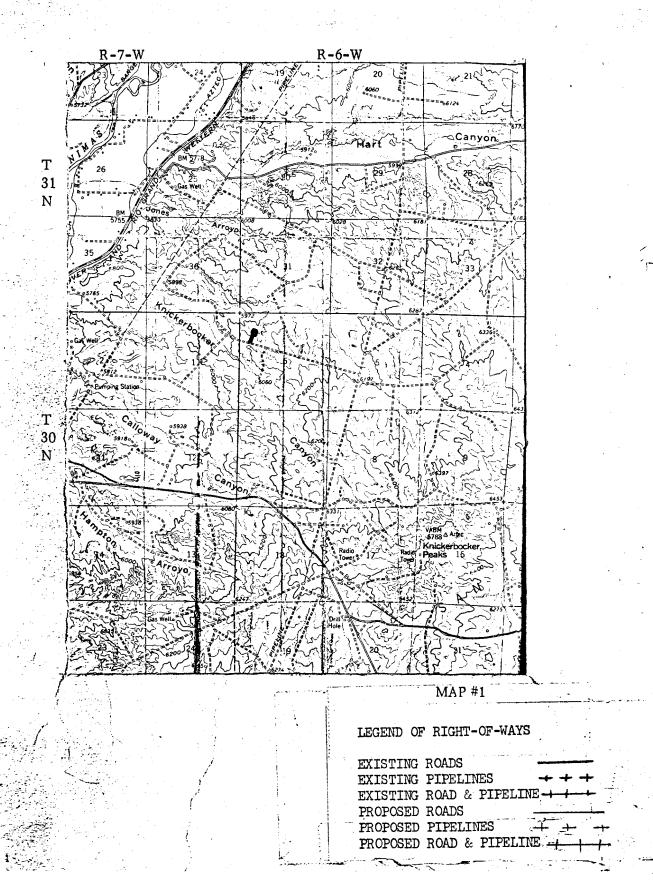
- 9 5/8" surface casing use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.
- 7" intermediate casing use 170 sks. of 65/35 Class "B" Poz with 6% gel and 2% calcium chloride (8.3 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (393 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 317 sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (440 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.



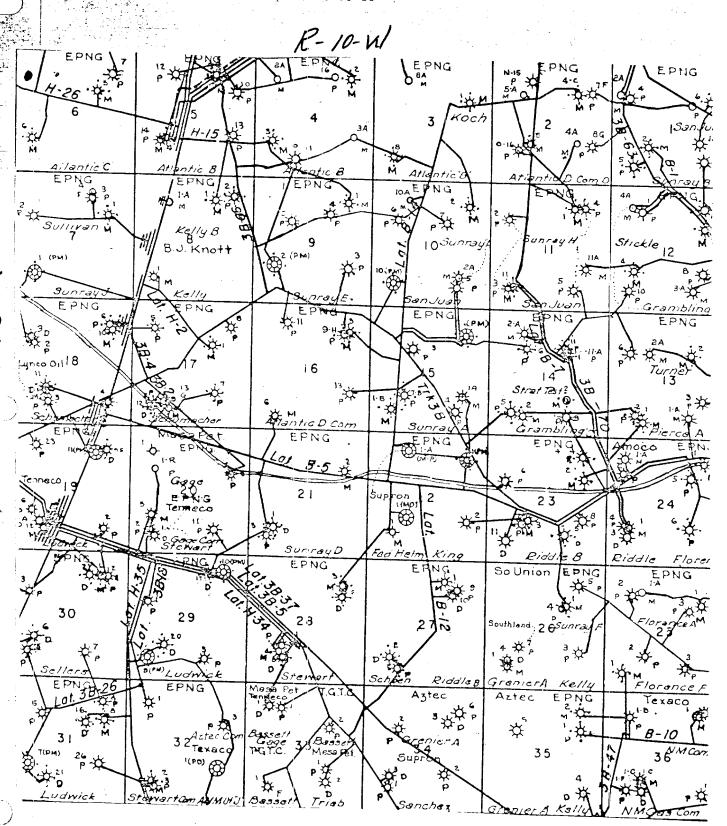
Series 900 Double Gate BOP, rated at 3000 psi Working Pressure When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line



## EL PASO NATURAL GAS COMPANY Atlantic C #6A NW 6-30-10



# EL PASO NATURAL GAS COMPANY Atlantic C #6A NW 6-30-10



MAP #2