#### SUBMIT IN TRIPLICATE\*

	approved		
Budget	Bureau	No.	42-R1425

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one. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertice denotes. Give blowout	zone. If proposal is to d preventer program, if any.		y, give pertinent d	iata on subsurface locations an	d measured	and true vertical denths. Give blowout		
	24.	11 1 .						

(This space for Federal or State office use)

PERMIT NO. \_

\*See Instructions On Reverse Side

TITLE

JAN 11 1978

RECEIVED

Drilling Clerk DATE January 11,1978

DATE \_\_\_

U.S. Geological Survey Farmington, N.M.

# 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.					
}	AL GAS COMPANY	Lease ATLA	NTIC A	(NM-0606)	Well No.
Unit Letter Section J 27	Township 31-N	Rang	10-W	County SAN JUAN	
Actual Footage Location of Well: 1550 feet from the	SOUTH	ne and 1650	O fee	t from the EAST	line
Ground Levei Elev. Producin 6230	g Fermation MESA VERDE	Pool	BLANCO ME	SA VERDE	Dedicated Acreage: 314.25
1. Outline the acreage de	dicated to the subj	ect well by col	lored pencil o	r hachure marks on th	
<ol><li>If more than one lease interest and royalty).</li></ol>	e is dedicated to th	e well, outline	each and ide	ntify the ownership th	ereof (both as to working
3. If more than one lease dated by communitization	of different ownershon, unitization, force	ip is dedicated -pooling.etc?	to the well,	have the interests of	all owners been consoli-
☐ Yes ☐ No	If answer is "yes;"	type of consoli	dation		
If answer is "no;" list this form if necessary.).	the owners and trac	t descriptions v	which have ac	tually been consolida	ted. (Use reverse side of
No allowable will be ass	signed to the well un	til all interests andard unit, el	s have been c	onsolidated (by comm h interests, has been	nunitization, unitization, approved by the Commis-
					CERTIFICATION
				I hereby c	ertify that the information con-
	×			tained her	ein is true and complete to the knowledge and belief.
1 -			!   	Dest of my	J. Sucose
+		<del>-</del>		- Name Drilli Position	ng Clerk
		!	· · · ·	El Pas	o Natural Gas Co.
		)-MM 	5606 I	Januar	y 11, 1978
	SECTION 27	7		Date	
				——————————————————————————————————————	
				Mi .	certify that the well lacation his plat was plotted from field
1		1		notes of a	ctual surveys made by me or
	و 🕽	65 ± 0	1650'	is true an	d correct to the best of my
			 	knowledge	and belief.
				X Date Surveye	
		55		DECEM	BER 7, 1977
				Registered P	rofessional Engineer Surveyors
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P. O. BOX 990 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

#### Multi-Point Surface Use Plan

#### Atlantic A #1A

- 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 a water hole located at 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.

- Methods of Handling Waste Materials All garbage and trash 7. materials will be put into a burn pit shown on the attached Location Plat No. 1. 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 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 earther 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 #2 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 green (Federal Standard #595-34127)
- 11. Other Information The terrain is rolling hills and sage brush flats covered with pinon and cedar trees.

  Cattle are occasionally seen on the proposed project site.

- 12. Operator's Representative W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401
- 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.

January 11, 1978

D. R. Read

Division Drilling Engineer

DRR:pb

#### Operations Plan Atlantic A #1A

I. Location: 1550'S, 1650'E, Section 27, T-31-N, R-10-W, San Juan County, NM

Field: Blanco Mesa Verde <u>Elevation:</u> 6240'DF

## II. Geology:

Α.	Formation	Tops:	Surface Ojo Alamo Kirtland Fruitland	1675 <b>'</b> 2565 <b>'</b>	Mesa Verde Menefee Point Lookout	
			Pic.Cliffs	2960'	Total Depth	5645'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4645', 4770', 5185' 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 3305'. 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"	32.3# H-40
		8 3/4"	3305'	7"	20.0# K-55
		6 1/4"	3155-5645'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" surface casing - Larkin guide shoe (fig. 102)

7" intermediate casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B&W stabilizers (Prod. No. 637085) every other joint above shoe. Run float two joints above shoe.

- 4 1/2" liner 4 1/2" liner hanger with neoprene packoff. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).
- C. Tubing: 5645' of 2 3/8", 4.7#, J-55 8rd 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: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree.

### V. Cementing:

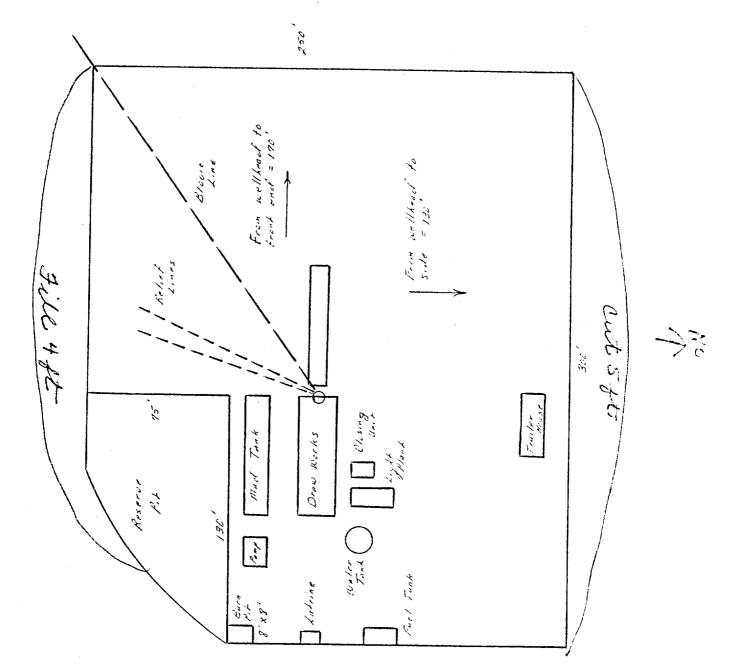
9 5/8" surface casing - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

7" intermediate casing - use 168 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 (391 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.

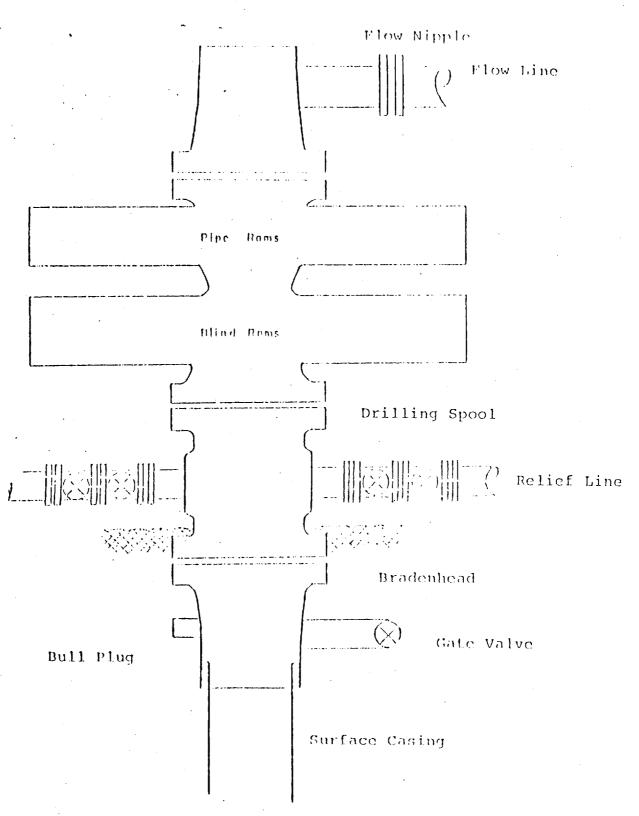
4 1/2" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 24l sks. of Class "B" cement with 4% gel, 1/4 cu.ft. of fine gilsonite per sack and 0.6% Halad-9 (434 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

DRR:pb

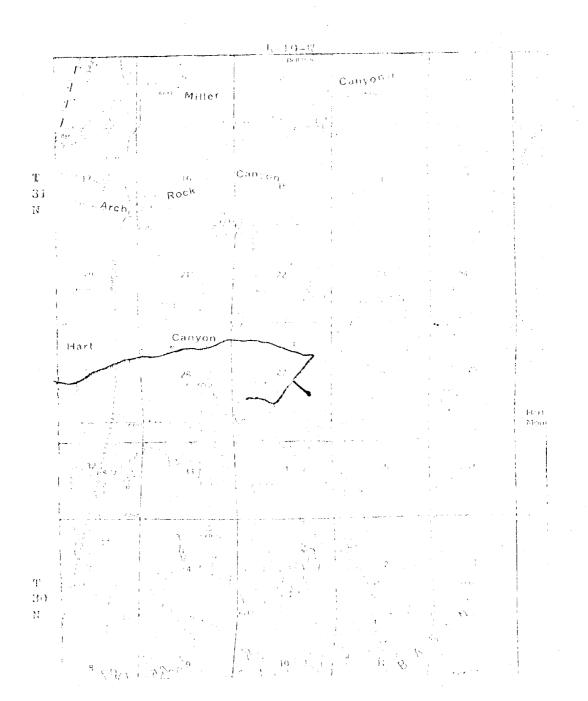
Typical Location Plat for Musa Verde and Water Wells



# Typical B.O.P. Installation for Mosa Verde Well



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



MAP #1

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# EL PASO NATURAL GAS COMPANY Atlantic A #1A\* SWSE 27-31-10

