SUBMIT IN TRIPLICATES

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

	-05				
5. LE	SE DESI	GNATION	AND	SERIAL	No.
SF	0809	17			

	SF 080917					
APPLICATIO	6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK						
DRILL TO DEEPEN D PLUG BACK D					7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL [] G	AS OTHER		SINGLE X MULTI	PLE	8. FARM OR LEASE NAME	
NAME OF OPERATOR	VELL 1 OTHER		ZONE ZONE	L	Atlantic B	
El Paso Nat	tural Gas Com	npany			9. WELL NO.	
ADDRESS OF OPERATOR	·			· 	4A	
PO Box 289	, Farmington,	NM 87401			10. FIELD AND POOL, OR WILDCAT	
LOCATION OF WELL (R	eport location clearly and	-	State requirements.*)		Blanco Mesa Verde	
At surrace	1770'S, 17	'70 ' E			11. SEC., T., R., M., OR BLK.	
At proposed prod. zor	ne				Sec. 5, T-30-N, R-10-W	
	same				NMPM	
	AND DIRECTION FROM NEA		ICE*		12. COUNTY OR PARISH 13. STATE	
	theast of Az				San Juan NM	
LOCATION TO NEARES	r		NO. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE I (Also to nearest dr)	g. unit line, if any)	1770'	2538.18		S /322.12	
. DISTANCE FROM PROF TO NEAREST WELL, D	RILLING, COMPLETED.		PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH		500'	5553'	Rotar	Y	
ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*	
0230 GL						
	I	PROPOSED CASING A	ND CEMENTING PROGR	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT	
13 3/4"	9 5/8"	32.3#	200'	224 C	u.ft. to circulate	
8 3/4"	7."			u.ft.to cover Ojo Al		
6 1/4"	4 1/2"line	r 10.5#	3085-5553'	430 c	u.ft.to fill to 3085	
A 3000 psi blind and p	WP and 6000	psi test dou	ıble gate prev	venter	Verde formation. equipped with ion on this well.	
	<u> </u>					
Tho 6/2 of	Coation F i=	303:00+03 +	o +bio11			
	Section 5 is		Y			
e. If proposal is to eventer program, if any	drill or deepen directiona	proposal is to deepen or lly, give pertinent data	plug back, give data on p on subsurface locations as	resent produ ad measured	active zone and proposed new productive and true vertical depths. Give blowout	
SIGNED .	B. Brisa	TITLE	Drilling	Clerk	DATE <u>1-25-79</u>	
(This space for Feder	ral or State office use)			· ·	Final Control	
PERMIT NO.			APPROVAL DATE		AN ESSA	
I DADOWED II				. 4	COCH FOLL	
CONDITIONS OF APPROVA	AL, IF ANY:	TITLE	<u> </u>			
171				/	1019	

*See Instructions On Reverse Side

NMOCC

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the cuter boundaries of the Section.

Cg erator	· · · · · · · · · · · · · · · · · · ·	711 till till till till till till till ti	Leane	er rounninges of		·	Well Ho.
EL PASO	NATURAL GAS C			MIIC. nBu	(3	F-080917)	44
That fetter	Section 5	Township 30N	Həaq	 101	County San	Juan	-
Actual Footage Lo		South	1770				
Ground Lyvel Elev	· Producing Fo	rmation	Pool		t from the		ine edicated Acreage:
6238	Mesa V			Blanco Me			322.12 - Acres
2. If more t		ated to the subjects dedicated to the		-			plat below, reof (both as to working
dated by	communitization,	unitization, force-punswer is "yes;" ty	ooling, etc?	lation	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	d. (Use reverse side of
this form No allowa	if necessary.) ble will be assign	ned to the well unti	l all interests	have been c	onsolidat	ed (by commu	nitization, unitization, pproved by the Commis-
				·		C	CERTIFICATION
	 		! !			tained herein best of my k	ify that the information con- n is true and complete to the nowledge and belief.
		,				Combani	g Clerk Natural Gas Co 29, 1979
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
	 #4 O	SF-080917	\$	1770'		shown on this notes of acti under my sup	rtify that the well location is plat was plotted from field or all surveys made by me or ervision, and that the same correct to the best of my dibelief.
	1		1770			Septem Septem Registered in Security of the Land and or the Land Security of the Land Fred B.	CAN Many
330 600	00C 1320 1050 10	00 2310 2640	2000 1500	1200 60		central Sail	TERR IR.



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

Multi-Point Surface Use Plan Atlantic B #4A

- 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 and sagebrush flats with cedar and sagebrush growing. Cattle graze 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 B #4A

I. Location: 1700'S, 1770'E, Section 5, T-30-N, R-10-W, San Juan County, NM

Field: Blanco Mesa Verde <u>Elevation:</u> 6238'GL

II. Geology:

	Formation Tops:	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs	1572' 2510'	Lewis Mesa Verde Menefee Point Lookout Total Depth	3035' 4480' 4687' 5103' 5553'
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- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4470', 4677', 5093' 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 3235'. Gas from intermediate casing to Total Depth.

IV. Materials:

				C C	Wt.&Grade
Α.	Casing Program:	13 3/4" 8 3/4"	Depth 200' 3205' 3085-5553'	Casing Size 9 5/8" 7" 4 1/2"	32.3# H-40 20.0# K-55 10.5# K-55

B. Float Equipment: 9 5/8" surface casing - B & W guide shoe
 (Prod. No. FC 06-09611-0200)

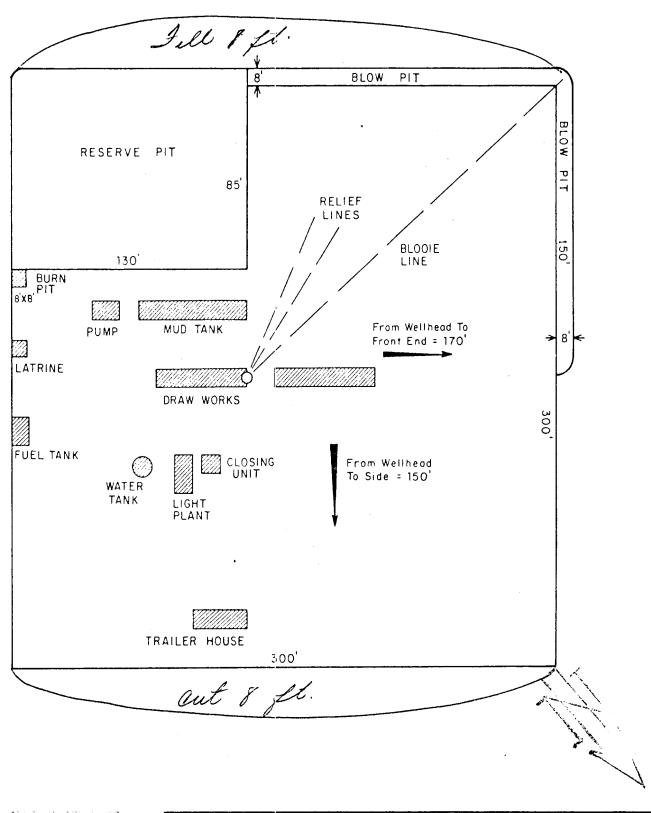
7" intermediate casing - Pathfinder guide shoe (Part #1003-1-007) and Howco self-fill insert float valve (Price Ref.36A&37), 5 Pathfinder stabilizers (Part #107-10) every other joint above shoe. Run float two joints above shoe.

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)

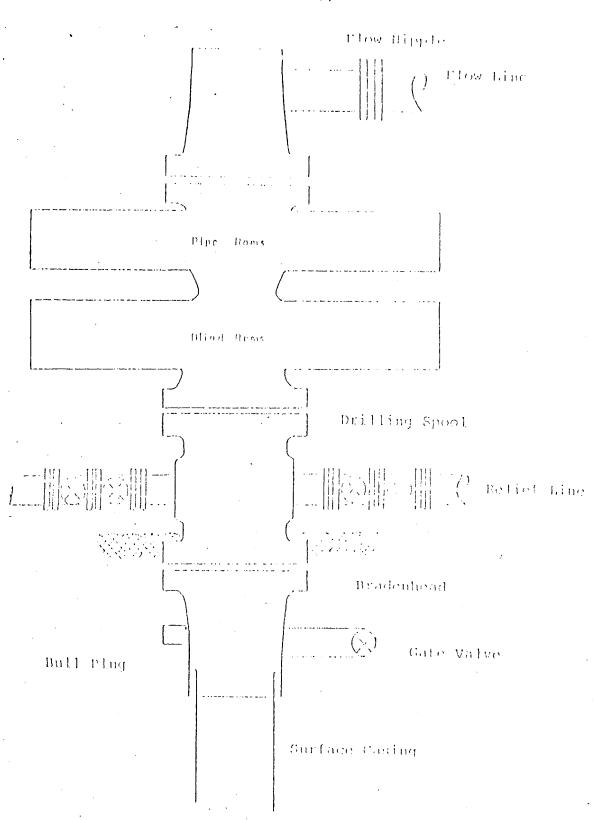
- C. Tubing: 5553' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple one joint above bottom. Tubing will be open ended.
- D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree.

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 174 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 (400 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 309 sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (430 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

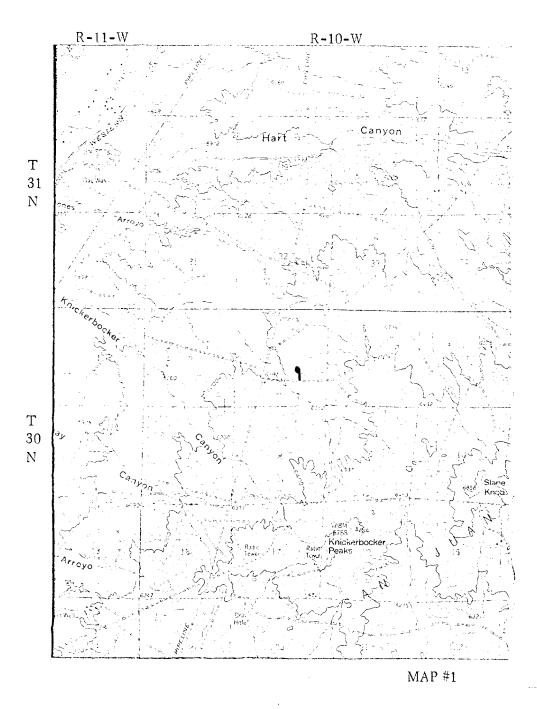


	ENG. REC.	DATE	El Paso Natural Gas Company		
	DRAWN J.L.H.	8-16-78			
	CHECKED		TYPICAL LOCATION PLAT FOR		
	CHECKED		MESAVERDE OR DAKOTA DRILL SITE		
	PROJ. APP.				
PRT. SEP. DATE TO W.O.	DESIGN		SCALE: 1"=50' DWG. REV.		
PRINT RECORD	w.o.		NO.		



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 NATURAI. GAS COMPANY Atlantic B #4A SE 5-30-10



LEGEND OF RIGHT-OF-WAYS

EXISTING	ROADS PIPELINES	
EXISTING	ROAD & PIPELIN	
PROPOSED PROPOSED	RCADS PIPELINES	+++
PROPOSED	ROAD & PIPELI	,

EL PASO NATURAL GAS COMPANY Atlantic B #4A SE 5-30-10

