SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30-045-27488

UNITED STATES	(Other in reve
PARTMENT OF THE INTERIOR	

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY					5. LEASE DESIGNATION AND SERIAL NO.	
A DDI ICATION	***				A CI	SF 080917 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK	N FOR PERMII	O DRILL, L	JEEP	EN, OR PLUG B	ACK	TO THE OR TRIBE NAME
DRI b. type of well	ILL 🛭	DEEPEN [PLUG BAC	CK 🗆	7. UNIT AGREEMENT NAME
WELL W	ELL OTHER			INGLE MULTIPE	LE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR	hmal Car Cam					Atlantic B
3. ADDRESS OF OPERATOR	tural Gas Com	pany		· · · · · · · · · · · · · · · · · · ·		2 A
PO Box 990	, Farmington,	NM 8740	1			10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (R	eport location clearly and		h any S	State requirements.*)		Blanco Mesa Verde
9	1010'N, 99	0'W	/			11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	e					Sec. 4,T-30-N,R-10-W NMPM
14. DISTANCE IN MILES	AND DIRECTION FROM NEAD	REST TOWN OR POST	r offic	E.		12. COUNTY OR PARISH 13. STATE
4 miles Eas	st of Aztec,	NM	10			San Juan NM
LOCATION TO NEAREST PROPERTY OR LEASE I	•	990'	16. No	O. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL
(Also to nearest drlg	g. unit line, if any)	990	19. PE	2566.17	20 ROTA	N 319.29
TO NEAREST WELL, DO OR APPLIED FOR, ON THE	RILLING, COMPLETED,	200'		5670'	Rota	
21. ELEVATIONS (Show whe	ether DF, RT, GR, etc.)	·•				22. APPROX. DATE WORK WILL START*
6331'GL						
23.	P	ROPOSED CASIN	G ANI	CEMENTING PROGRA	M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.3#		200'		cu.ft. to circulate
8 3/4" 6 1/4"	7" 4 1/2"line	20.0# r 10.5#		3370' 3220-5670'		cu.ft.to cover Ojo Ala cu.ft.to fill to 3220'
, , , , , , , , , , , , , , , , , , ,	,		i		1 20-	22.20
Selectively	perforate a	nd sandwa	ter	fracture the	Mesa	Verde formation.
A 3000 psi blind and p	WP and 6000 pipe rams wil	psi test l be used	doul fo	ole gate prev r blow out pr	enter event	equipped with ion on this well.
This gas is	dedicated.	-				(NPR 12 1070)
IN ABOVE SPACE DESCRIBE zone. If proposal is to opreventer program if any	drill or deepen directional	roposal is to deep	en or p	lug back, give data on pr		uctive zone and proposed new productive land true vertical depths. Giv blowout
24.	J	•				
SIGNED LIGGI	Skadfu	ell tit	L16	Drilling	Clerk	PATE _April_7, 1978
(This space for Feder	ral or State office use)					
PERMIT NO.				APPROVAL DATE		
						RECEIVED
APPROVED BY		TIT	LE			DATE

*See Instructions On Reverse Side

NMOCC

APR 1 0 1978

U.S. Geological service Sermington, S.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 Operator Well No. El Paso Natural Gas Company (SF-080917) Atlantic B 2A Unit Letter Section Township Range County 4 30N low San Juan Actual Footage Location of Well: 1010 North feet from the line and West line Ground Level Elev. Producing Formation Dedicated Acreage: 6331 Mesa Verde Blanco Mesa Verde 319.29 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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? Yes No 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, eliminating such interests, has been approved by the Commission. CERTIFICATION Ö 8 I hereby certify that the information conis true and complete to the my knowledge and belief. BdZ 9901 0 SF-080917 Drilling Clerk El Paso Natural Gas Co. April 7, 1978 I hereby certify that the well location shown on this plat was plotted from field notes of octual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. August 2, 1973 ed B. Centine ne No. €60 1320 1650 3950 1500 1000 500



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan Atlantic B #2A

- 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 (NW 28-31-10)
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

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- 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.

April 6, 1978

D. C. Walker

Project Drilling Engineer

DCW:pb

Operations Plan Atlantic B #2A

I. <u>Location</u>: 1010'N, 990'W, Section 4, T-30-N, R-10-W, San Juan County, NM

Field: Blanco Mesa Verde

Elevation: 6331'GR

II. Geology:

Α.	Formation	Tops:	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs	1730' 2685'	Lewis Mesa Verde Menefee Point Lookout Total Depth	3170' 4585' 4795' 5220' 5670'
			- TO.OTELLE	3043	rocar pebcu	3070

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4575', 4785', 5210' 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 3370'. 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"	3370 '	7"	20.0# K-55
		6 1/4"	3220-5670 '	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: 5670' 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: $10" 900 \times 9 5/8"$ casing head. $10" 900 \times 6" 900 \times 10"$

V. Cementing:

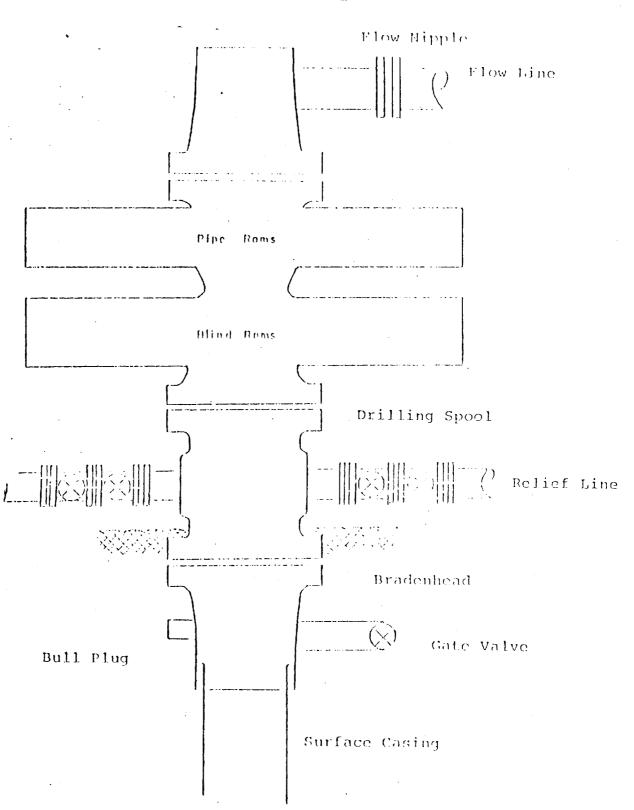
9 5/8" surface casing - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

7" intermediate casing - use 175 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 (402 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 310sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (431 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

N'O

250 El Paso Natural Las Company wells from wellhoad to from the Side = 130 Typical Lucation Plat for Mosa Verde and Fill 4 ft 326 75% Truster Muse Drow Works Much Toank Rusprup 130, 12 114 X 8 8



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