SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITED STATES

	UNIT DEPARTMENT	ED STATES	reverse si	ide)	30-045-23349		
	5. LEASE DESIGNATION AND SERIAL NO.						
	SF 078459-B						
APPLICATION	FOR PERMIT 1	O DRILL, DE	EPEN, OR PLUG B	BACK_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
TYPE OF WORK	. 87	DEEPEN []	PLUG BA	ck 🗀	7. UNIT AGREEMENT NAME		
DKII	LL 🖺	DEEPEN [_]	PLUG BA	CK []	Allison Unit		
DIL C GA	S X OTHER	SINGLE X MULTIP	LE	8. FARM OR LEASE NAME			
NAME OF OPERATOR	Allison Unit						
El Paso Nat	9. WELL NO.						
ADDRESS OF OPERATOR		NM 07401			55		
	Farmington,		ny State requirements.*)		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde		
LOCATION OF WELL (Re At surface	port location clearly and 2200'S, 23		ny State requirements.	-	11. SEC., T., B., M., OR BLK.		
	2200 0, 20	,50 11			Sec. 10, T-32-N, R-7-W		
At proposed prod. zone			•		NMPM		
DISTANCE IN MILES A	Same ND DIRECTION FROM NEAD	REST TOWN OR POST O	PFICE*		12. COUNTY OR PARISH 13, STATE		
	thwest of Al				San Juan NM		
DISTANCE FROM PROPOS			3. NO. OF ACRES IN LEASE		OF ACRES ASSIGNED		
PROPERTY OR LEASE LI		1247'	Unit		TO THIS WELL 401.20 361.20		
(Also to nearest drlg.	SED LOCATION*). PROPOSED DEPTH	20. ROTA	OTARY OR CABLE TOOLS		
TO NEAREST WELL, DR OR APPLIED FOR, ON THIS	ILLING, COMPLETED,	3500'	6495'	Rotar	Rotary		
ELEVATIONS (Show when 6867 GR	ther DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*		
	I	PROPOSED CASING	AND 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	cu.ft. to circulate		
8 3/4"	7"	20.0#	4175'		cu.ft.to cover Ojo Al		
6 1/4"	4 1/2"line	r 10.5#	4025-6495'	431 0	cu.ft.to fill to 4025		
ı		1	l	'			
	.	7 7 1		o Moga	. Words formation		
Selectively	perforate a	and sandwat	er fracture th	e Meso	a Verde formation.		
7 2000 pgi	WD and 6000	nsi test d	ouble gate pre	ventei	c equipped with		
A 3000 psi	wr and oood nine rams wi	ll be used	for blow out p	revent	tion on this well.		
prind and b	pipe rams wi	LI DC GDCG					
				Charles 1			
This gas is	dedicated.			1978 '			
		kc	13	12 ON			
			DECON	. 0	1 12 1978		
•		GD /4 G = 1 3	an 10 knowledge	55 /	of Sec.ll are dedicat		
	,9,10,11 N/2			well.	The process of the contract of		
ABOVE SPACE DESCRIBE	PROPOSED PROGRAM: If	proposal is to deepen ally, give pertinent d	or plug back, give data on r	present prod	luctive zone and proposed new productive d and true vertical depths. Give blowout		
eventer program, if any							
ı. <i>/</i> /	11 1.	· · · · · · · · · · · · · · · · · · ·		· ·	10 5 50		
SIGNED .	1. Dusco	TITLE	Drilling	Cler	<u>L 12-5-78</u>		
	ral or State office use)			 			
(Into opace for rede	ial of seaso onice use)						
PERMIT NO.			_ APPROVAL DATE				
					DAME		
APPROVED BY		TITLE			DATE		

NWU R-2717

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Continue		····	All distances must be	from the outer boundaries	of the Section.		
Unit Letter Section Township	1			Lease			Well No.
Actual Pocumps Location of Wells 2200 test from the South Inne and 2330 test from the Mast Inne 656.7 Producing Formation 656.7 Producing Formation 656.7 MESA VERDE BLANCO MESA VERDE Deducted Acreages 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 \(\subseteq No \) If answer is "yes," type of consolidation \(\subseteq Unitization \) He 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. NOTE: THIS PLAT IS REISSUED TO SHOW CORRECT DRILLING FORMATION. 11-29-78 CERTIFICATION I hereby certify that the information contained herein is tree and complete to the best of my knowledge and belief. I hereby certify that the information contained herein is tree and complete to the best of my knowledge and belief. I hereby certify that the information contained herein is to the decrease to the best of my knowledge and belief. I hereby certify that the information contained herein is tree and complete to the best of my knowledge and belief.						<u>459-в)</u>	55
Actual Postage Location et Well: 230 feet from the South line and 2330 feet from the West inne Ground Lyrel Elev. Producing Formation 6567 MESA VERDE Post HOL. 20 Acres 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 Unitization If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No ellowable 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. NOTE: THIS PLAT IS REISSUED TO SHOW CORRECT DEHLLING FORMATION. 11-29-78 R-2717 CERTIFICATION I hereby certify that the information contained herein is two and complete to the basis of my knowledge and belief. Name Drilling Clerk FEZ 3 I hereby certify that the well location shown on this plat was policide from fined meets of actual sways mode by my location above on the plat was policide from fined meets of actual sways mode by my location above on the description of the state of my knowledge and belief. Lots 1,2,3,9,10,11 N=SE4, SE4	i		i .	Range	County		
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Scale: 1"=20001 Seales Production Formation Food BLANCO MESA VERDE Dedicated Accession A	1		outh line and	2330 fee	et from the Wes	et.	line
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Scale: 1"=2000! Lots 1,2,3,9,10,11 N2SE4, SE4 SE4 Sec. 10. Lots 3,4,05 Sec. 11	"	. 5		9)	E1	Paso N	atural Gas Co.
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NOTE: THIS PLAT REISSUED TO SHOW CORRECTED DEDICATED COMPANIENT ACERAGE. 12-13-78		Lots 1,2,8,	9,10,11 N 2SE 4, S	$E_{\overline{u}}^{1}$ SE $_{\overline{u}}^{1}$ Sec. $2Q$			
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Fred B. Kerr. Jr.			•				

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

Multi-Point Surface Use Plan Allison Unit #55

- 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 Allison Ditch.
- 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,

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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 sandstone ledges and high hills with pinon and cedar growing. 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.

D. C. Walker

Project Drilling Engineer

Operations Plan Allison Unit #55

Location: 2200'S, 2330'W, Section 10, T-32-N, R-7-W, San Juan County, NM I.

Field: Blanco Mesa Verde

Elevation: 6867'GR

II. Geology:

Α.	Formation Tops:	Surface	San Jose	Lewis	3975 '
	_	Ojo Alamo	2605 '	Me sa Verde	5725 '
		Kirtland	2655 '	Menefee	5845 '
		Fruitland	3240 '	Point Lookout	6042'
		Pic.Cliffs	3585 '	Total Depth	6495 '

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5715', 5835', 6030' 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 4175'. Gas from intermediate casing to Total Depth.

Materials: IV.

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	32.3# H-40
		8 3/4"	4175'	7"	20.0# K-55
		6 1/4"	4025-6495'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" surface casing - Pathfinder guide shoe (Part #2006-1-012).

7" intermediate casing - Pathfinder guide shoe (Part #1003-1-007) and Pathfinder self-fill insert float valve (Part #2010-6-007), 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. Pathfinder geyser shoe (Part #2017-1-050) and Larkin flapper type float collar (fig. 404 M&F).
- C. Tubing: 6495' 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.

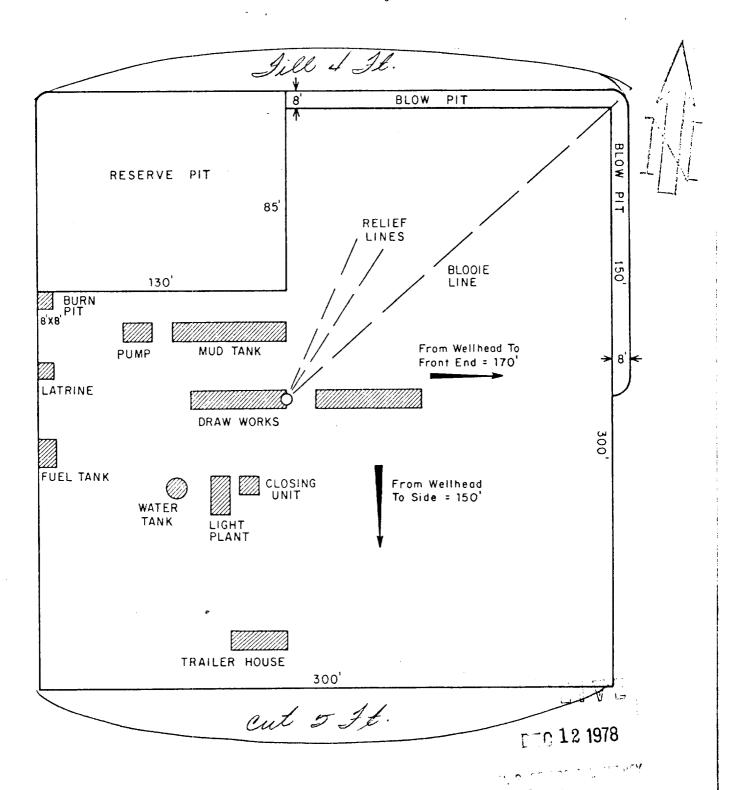
V. Cementing:

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 146 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 (354 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.

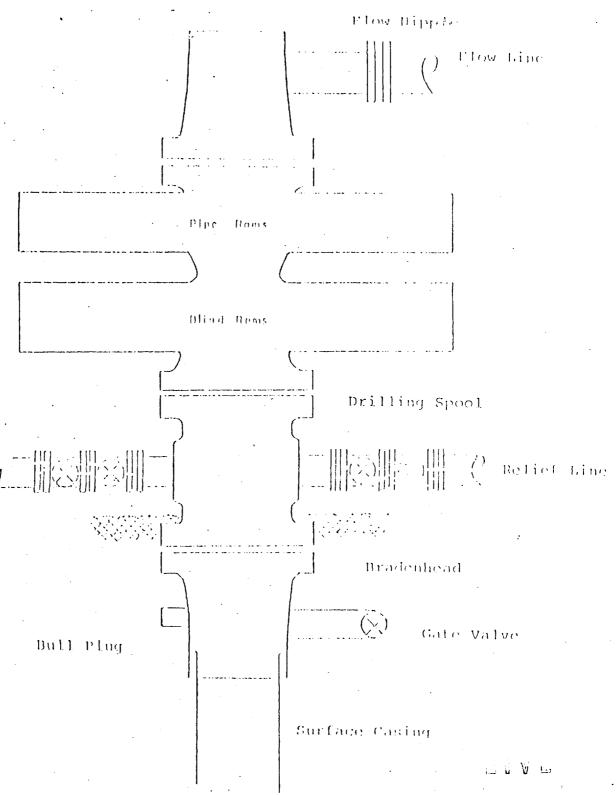
4 1/2" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 310 sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (431 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

allison Unit #55



					ENG. REC.		DATE	e El	El Paso Natural Gas Company			
					DRAWN	J.L.H.	8-16-78			, ,		
				 	CHECKED			TYPICA	L LOCATION P	LAT FOR		
	 -				CHECKED	-		MESAVERDE	OR DAKOTA	DRILL SIT	F	
					PROJ. APP			MESAVERDE SIT BAROTA BRICE				
PRT.	SEP.	DATE	то	w.o.	DESIGN	†··	 	SCALE: 1"= 50'	DWG.		REV	
PRINT RECORD			w.o.		SCALE: 1 = 50	NO.						

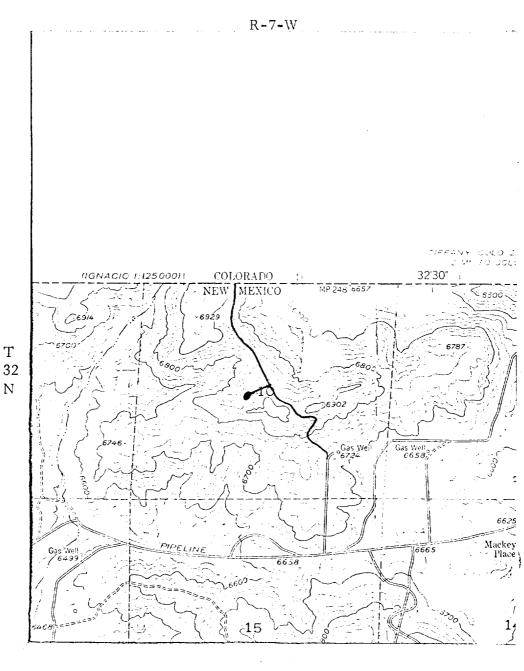
Carlot Annual Carlot Control



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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 Allison Unit #55 SW 10-32-7



MAP #1 LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS

EXISTING PIPELINES + + +

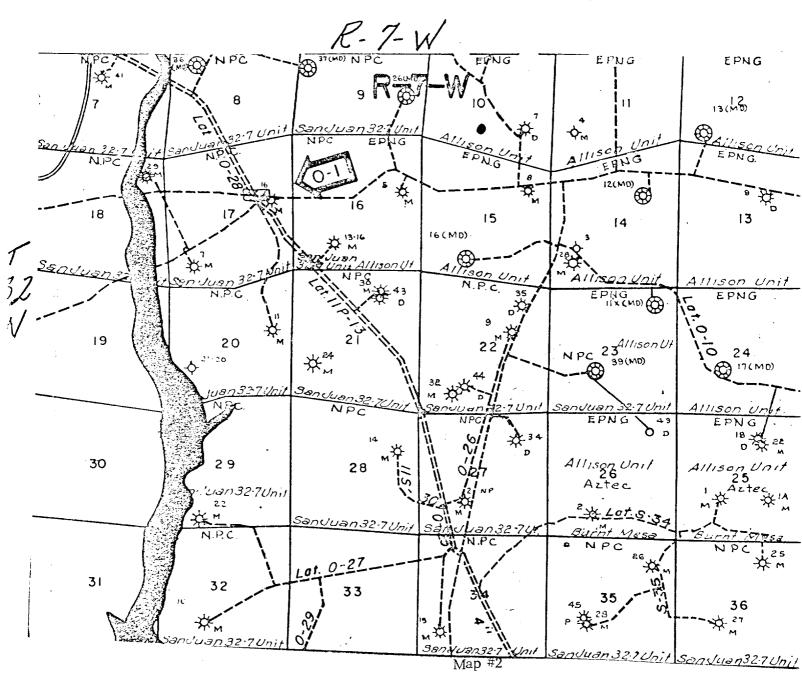
EXISTING ROAD & PIPELINE

PROPOSED ROADS

PROPOSED PIPELINES + + +

PROPOSED ROAD & PIPELINE

EL PASO NATURAL GAS COMPANY Allison Unit #55 SW 10-32-7



Proposed Location

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