SUBMIT IN TRIPLICATE*

(Other instructions on reverse side) **UNITED STATES**

Budget	Bureau	No.	42-R1425
	201044	110.	12-161120

	DEPARTMENT	OF THE INT	TERIOR	ide)	30-039-22370
		GICAL SURVEY	-		5. LEASE DESIGNATION AND SERIAL NO.
APPLICATION	·		EPEN, OR PLUG E	SACK	SF 080673 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK					
DRIL b. Type of Well	L 🗵	DEEPEN 🗌	PLUG BA	CK 🗌	7. UNIT AGREEMENT NAME
—	LL X OTHER		SINGLE MULTIH	CLE Ck	San Juan 27-4 Unit
2. NAME OF OPERATOR					San Juan 27-4 Unit
El Paso Na	tural Gas Co	ompany	PEOP	****	9. WELL NO.
	, Farmington	a. NM 8740	" LECE!	/ED	124A (PM)
1. LOCATION OF WELL (Rep. At surface	port location clearly and	in accordance with a	iny State requirements.		Tapacito Pic.CTiffs
AC Surface	850'N, 15	75 ' ₩	111111111111111111111111111111111111111	107	Blanco Mesa Verde 11 sec., t., R., M., OR BLE, AND SURVEY OR AREA
At proposed prod. zone			U. S. CEOLOGICAL	SURV.	Sec.8,T-27-N,R-4-W
4. DISTANCE IN MILES AN	Same	REST TOWN OR POST O		V	NMPM 12. COUNTY OR PARISH 13. STATE
	outheast of				
5. DISTANCE FROM PROPOS LOCATION TO NEAREST	SED*		6. NO. OF ACRES IN LEASE	17. No. o	Rio Arriba NM FACRES ASSIGNED
PROPERTY OR LEASE LIST (Also to nearest drig.		850'	unit	TO TH	160 & W/320.00
8. DISTANCE FROM PROPOS TO NEAREST WELL, DRI	ILLING, COMPLETED,	i	PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON THIS		1600	6245'	Rota	
6771'GL	sier Dr., ier, die, eu.,				22. APPROX. DATE WORK WILL START*
3.	I	PROPOSED CASING	AND CEMENTING PROGR.		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		1	AWAN-2
13 3/4"	9 5/8"			-	QUANTITY OF CEMENT
8 3/4"	7"	36.0# 20.0#	200' 3940'		cu.ft. to circulate
6 1/4"	4 1/2"line		3790-6245'		cu.ft.to cover Ojo A la cu.ft.to circ.liner
,		, "	,	•	
Selectivel Mesa Verde A 3000 psi blind and This gas i The W/2 of	y perforate formation. WP and 6000 pipe rams with a dedicated. Section 8 if PROFOSED PROFORM: If or deepen directions	and sandwa) psi test 11 be used s dedicate	ter fracture to double gate profession for blow out to this well or plug back, give data on p	he Pic	etured Cliffs and er equipped with ation on this well.
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*See Instructions On Reverse Side

OIL CONSERVATION DIVISION P. O. UOX 2088

CHERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

	All distances must be from the cuter boundaries of the Section.								
Operator			Lease		Well No.				
	NATURAL GAS C		SAN JUAN 27-L	UNIT (SF-080673) 12L-A				
Unit Letter	Section	Township	Fittinge	County					
C	8	27N	ЦW	Rio Arriba					
Actual Footage Lo	cation of Well:								
850		North line a	na 1575	feet from the West	line				
Ground Level Elev.	Producing Fo	ormation Pictured		ictured Cliffs	Dedicated Acreage:				
6771	Mesa Ve	rde - Cliffs	Blanc	o Mesa Verde	160 00 % 320 00				
1 0 11 11	22dico fieda verde 100.00 & 320.00 Acres								
1. Outline ti	ne acreage dedic	ated to the subject	well by colored penci	l or hachure marks on t	he plat below.				
2. If more the interest a	 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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 the dated by o	an one lease of communitization,	different ownership i unitization, force-po	s dedicated to the wel pling.etc?	l, have the interests of	fall owners been consoli-				
Yes	☐ No If a	inswer is "yes," type	of consolidation	nitization					
If answer					ated. (Use reverse side of				
	•	-1 - 1 - 1	11						
ito allowal	Die Will De Basign	led to the well until	ill interests have been	consolidated (by com	munitization, unitization,				
Torced-poo	ling, or otherwise	or until a non-stand	ard unit, eliminating s	uch interests, has been	approved by the Commis-				
sion.					,				
		~~~ XX	1		CERTIFICATION				
K)	!	KIX .	. !						
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XI s	r -0000/3	KRKI	1	Company					
X	i	KKI .		April	22, 1980				
Ωl	i -	. 101/1	i	Date					
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EIPEED NATURAL GAS

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Well Name San Juan 27-4 Unit 12	74 A
Location Nw 8 27-4	
Formation fc - m /	
We, the undersigned, have inspected this locati	on and road.
Henry Bull	
U. S. Forest Service	$\frac{2/26/80}{Date}$
Mody Naylor Archaeologist	3/26/80
	Date
Bureau of Indian Affairs Representative	Date
Bureau of Land Management Representative	Date
U. S. Geological Survey Representative	5/1/2
U. S. Geological Survey Representative	3/26/90 Date
	•
Seed Mixture: Seed murdune # 4	
Equipment Color: Sandy Variable	
Road and Row: (Same) or (Separate)	
Remarks:	
·	

C.C. to Dave Vilvin Earl Mealer



P O. BOX 289 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

Multi-Point Surface Use Plan San Juan 27-4 Unit #124A

- 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 44 Crossing Water Hole.
- 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 pinon, sage and juniper 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.

D. R. Read

Project Drilling Engineer

Operations Plan San Juan 27-4 Unit #124A

I. Location: 850'N, 1575'W, Section 8, T-27-N, R-4-W, Rio Arriba County, NM

Field: Tapacito PC & Blanco MV Elevation: 6771'GR

II. Geology:

Α.	Formation Tops:	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs		Lewis Mesa Verde Menefee Point Lookout	3740' 5313' 5464' 5796'
		Pic.Cliffs	3640'	Total Depth	62 45 '

B. Logging Program: I-ES and GR-Density at 3940'.

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

C. Coring Program: none

D. Natural Gauges: 5303', 5454', 5786' 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 3940'. 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"	36.0 K-55
			8 3/4"	3940'	7"	20.0# K-55
			6 1/4"	3790-6245'	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.

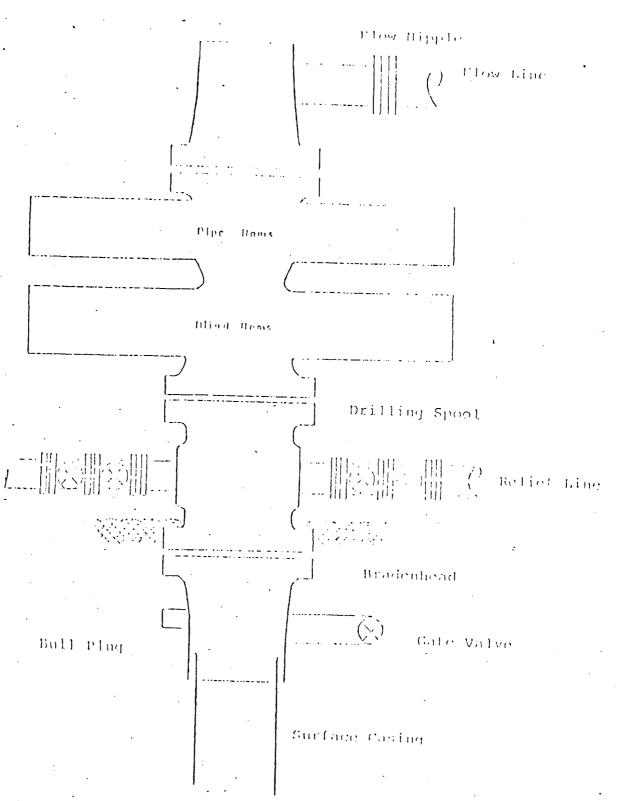
- 4 1/2" liner 4 1/2" liner hanger with neoprene packoff & PBR. Geyser shoe and plug latch-in collar assembly.
- C. Tubing: 6245' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple one joint above bottom. Tubing will be open ended.

 3790' of 1 1/4", 2.33#, J-55 IJ tubing with a common pump seating nipple above a perforated joint plugged on bottom. Isolate producing formations with a packer.
- D. Wellhead Equipment: 10" 2000 x 9 5/8" casing head. 10" 2000 x 6" 2000 dual xmas tree.

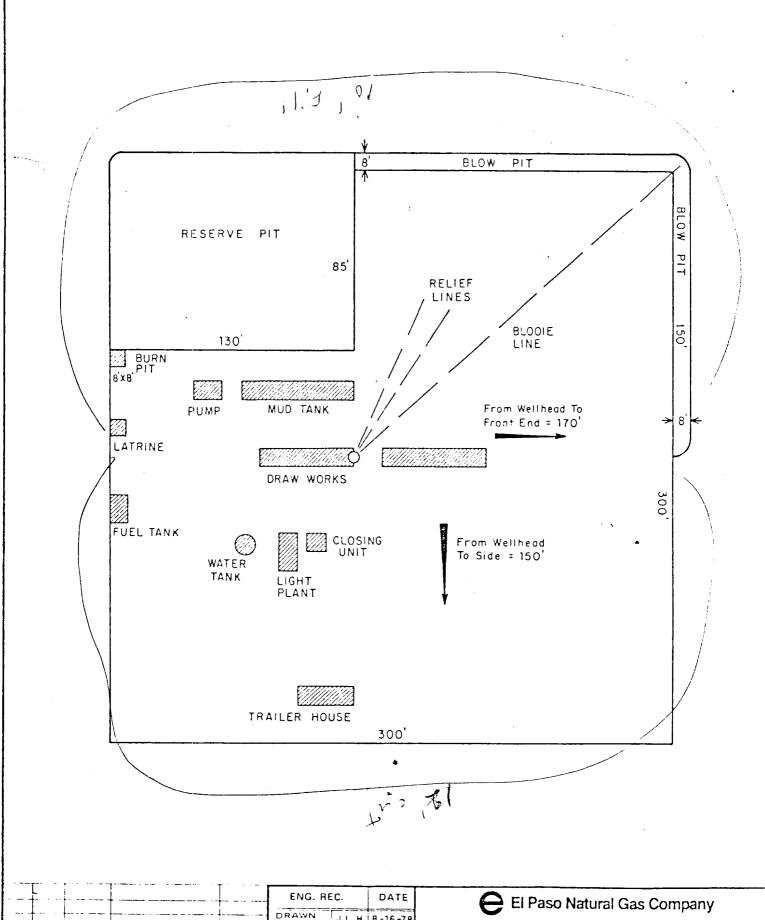
V. Cementing:

- 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 60 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 (215 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.

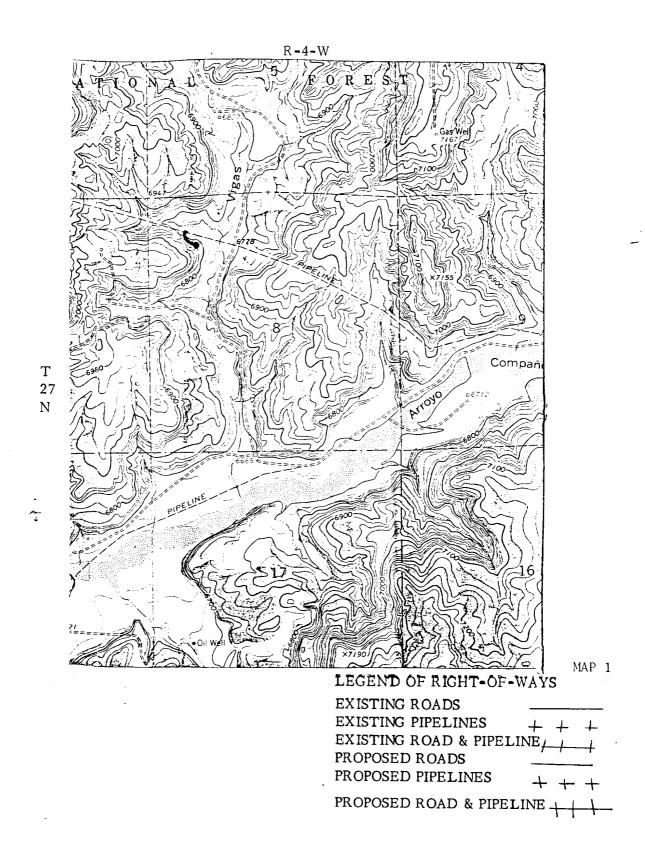
Typical N.O.E - Englate Latton for Mega Verde Well



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



		ļ	ENG. REC.	DATE 8-16-78	El Paso Natural Gas Company
			CHECKED CHECKED		TYPICAL LOCATION PLAT FOR MESAVERDE OR DAKOTA DRILL SITE
PRT. SEP. DATE	TO	w.o.	DESIGN		SCALE: 1" = 50' DWG. REV



R-4-W

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Proposed Location -