SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

	_	OF THE INTE	ERIOR	side)	5. LEASE DESIGNATION AND	FYCA 7 SERIAL NO.
	GEOLO	GICAL SURVEY			SF 080133	1880-191
	FOR PERMIT	O DRILL, DEE	PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR	TRIBE NAME
1a. Type of work DRIL	L 🛭	DEEPEN []	PLUG BA	CK 🗌	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL (1) GAS WELL (L.) WE	S OTHER		SINGLE ZONE MULTI	PLE	San Juan 32- 8. FARM OR LEASE NAME	9 Unit
2. NAME OF OPERATOR El Paso Na	tural Gas Co	omna n <i>u</i>			San Juan 32-	9 Unit
the property of other tele	<u> </u>	AND MALY			_12A	· Control
PO BOX 289 4. LOCATION OF WELL (Re	850'N, 154		State requirements.*)		10. FIELD AND POOL, OR W Blanco Mesa 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Verde_
At proposed prod. zone	same		• • • • • • • • • • • • • • • • • • •	p.:	Sec.10,T-31-1	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	REST TOWN OR POS ' OFF	ICE*		12. COUNTY OR PARISH 13	. STATE
12 miles N 15. DISTANCE FROM PROPOS LOCATION TO NEAREST FROPERTY OR LEASE LI (Also to neares: drlg.	NE, FT.		NO. OF ACRES IN LEASE unit		San Juan NI OF ACRES ASSIGNED HIS WELL W/ 3	12.32 -
18. DISTANCE FROM PROPO TO NEAREST WE L., DR	HLLING, COMPLETED,	1	PROPOSED DEPTH	1	RY OR CABLE TOOLS	
or applied for, on this 21. ELEVATIONS (Show whet		2200 \	6175'	Rotar	22. APPROX. DATE WORK V	WILL STADTS
6591'GL	mer Dr. KI, GK, ew.)				22. APPROX. DATE WORK	VILL START
23.	r	PROPOSED CASING A	ND CEMENTING PROGR	RAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT	···
13_3/4"	9 5/8"	36-0#	<u> 200'</u>	224 c	cu.ft. to circu	alate *
8 3/4" 6 1/4"	7"	20.0#	3740	- 387-c	u.ft.to cover	Ojo Al ar
Selectivel	·	1	3590-6175' er fracture t	1	eu.ft.to circ. a Verde format	
A 3000 psi	WP and 6000	psi test d	oubłe gate pr	evente	er equipped with tion on this v	th Trees
This gas i	s dedicated.					
as					\$ 1975 1 1975	
N ALOVE SPACE DESCRIBE	PROPOSED PROGRAM: If rill or deepen directions	proposal is to degen of	d to this well replug back, give data on a on subsurface locations:	present prod	juctive zone and proposed ne	productive Give blowout
24. J	4 2.					
S'GNED . L	J. Dusc	<u></u>	Drilling	Clark	DATE -11-27-	-70
(This space for Feder	al or State office use)		D1111119	CICIK	11-27-	13
PURMIT NO.			APPROVAL DATE			· · · · · · · · · · · · · · · · · · ·
APPROVED BY		TITLE	· · · · · · · · · · · · · · · · · · ·		DATE	

CONDITIONS OF ALPROVAL, IF ANY:

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION P D. BOX 2088

LINERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 kevised 10-1-78

		All distances must be	from the outer from	dertre ef the Secti	en.	
Operator			l.ease			Well No.
i	<u>URAL GAS COM</u>		SAN JUAN	32-9 UNIT	(SF-080133)	12-A -
	i	Township	Range	County		
C Actual Footage Location	10	31.1	94	Sa	ın Juan	
おさつ	\ *	1+ h	זרוס			
Ground Level Elev.	Producing Form	11116		feet from the		line
6591	Mesa Ver		RT./	NCO MESA VE	RDE 🕳 🌅	edinated Acresque
						312.32 Acres
2. If more than interest and	one lease is droyalty).		vell, outline each	and identify the	e ownership ther	eof (both as to working
dated by com		ilization, force-po	oling. etc!			ll owners been consoli-
X Aus [No Hans	wer is "yes!" type	e of co nsol idation		Unitiz	ation
No allowable	will be assigned g, or otherwise) or	to the well until	all interests have	been consolida	ated (by sommu	d. (Use reverse side of nitization, unitization, proved by the Commis-
			1			ERTIFICATION
* 4 # 5	H i	CEN .	}			LRIFICATION
1ぎFO ₁	SF-08013	33			tained herein best of my kn	ify that the information con- is true and complete to the owledge and belief. Susci
	Sec		; ; ; ;		Company	o Natural Gas Co. aber 27 1979
	78626 	10			shown on this notes of actua under my supe	ify that the well location plat was plotted from field of surveys made by me or rvision, and that the same orrect to the best of my belief.
#12 0			The second secon		Date Surveyed Sentember: Registered Profes and/or Lang Surveyed Profes Assert	A
330 seo 90	1320 1650 1980 2	10 2440			Centificate No.	O HEAR. Ministry



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

Multi-Point Sariace Use Plan

San Juan 32-9 Uhit #12A

- 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. Scurce 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. comt'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 partial as designated by the responsible government agency.
- 11. Other Information The cerrain is rolling hills with sagebrush, pinon 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
- L3. 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. Limes

Project Drilling Engineer

Operations Plan San Juan 32-9 Unit #12A

I. Location: 850'N, 1540'W, Section 10, T-31-N, R-9-W, San Juan County, NM

Field: Blanco Mesa Verde Elevation: 6591'GR

II. Geology:

A. Formation To	Ojo Alamo	San Juan 2107'	Lewis Mesa Verde	3540 ' 5371 '
	Kirtland	2147 '	Menefee	5429'
	Fruitland	3032	Point Lookout	5726 '
	Pic.Cliffs	3389 '	Total Depth	6175 '

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5360', 5420', 5715' 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 3740'. 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# H-40
		8 3/4"	3740 '	7"	20.0# K-55
		3 1/4"	1890-61781	4 12/1 ^M	10.5# 8-55

3. 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 nanger with neoprene packoff. Geyser shoe and flapper type float collar
- C. Tubing: 6175' 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" 2000 x 9 5/8" casing head. 10" 2000 x 6" 2000 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 166 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 (387 cu.ft. of slurry, 50% excess to cover Ojc 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 325sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (452 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

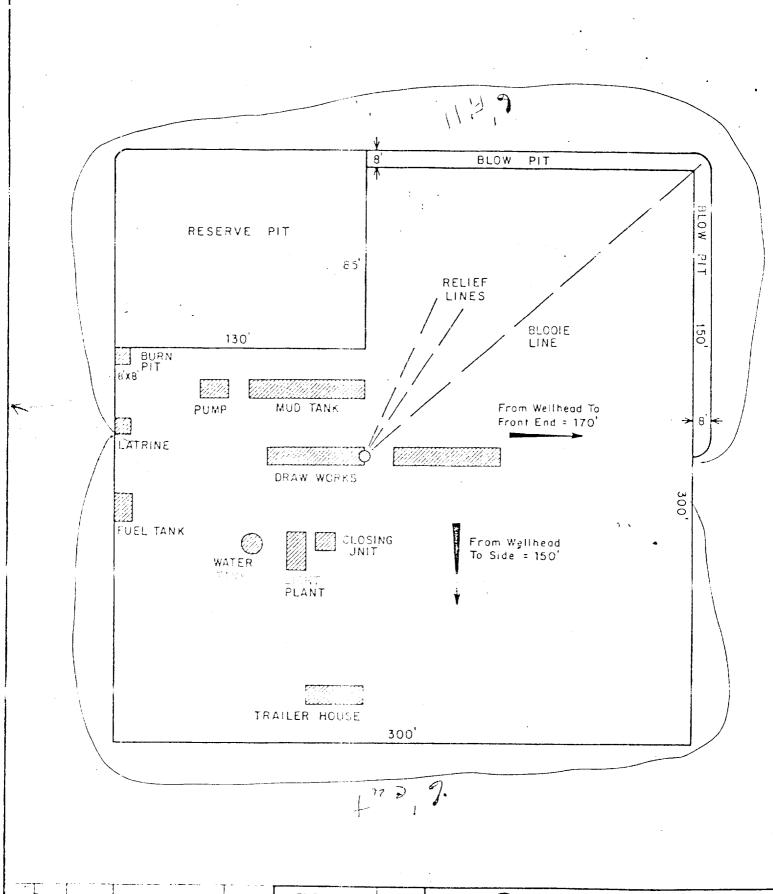
EIPEED NATURAL GAS

Proposition of the control of the co

Well Name Santan 32-9 Unit#12-A	
Location Nov 10 31.9	
Formation MV	· · · · · · · · · · · · · · · · · · ·
We, the undersigned, have irspected this locatio	n and road.
U. S. Forest Service	Date
Archaeologist	
Archaeologist	Date
Bureau of Indian Affairs Representative	Date
Bureau of Land Management Representative	10/18/79
buresd of Band Management Representative	Date
U. S. Geological Survey Representative - AGREES	10/18/70 Date
TO THE FOOTAGE LOCATION OF THIS WELL. REASON:	Date
Seed Mixture:	
Equipment Color: RROW	
Road and Row: (Same) or (Separate)	
Remarks:	

C.C. to Dave Vilvin

Earl Mealer
John Ahlm



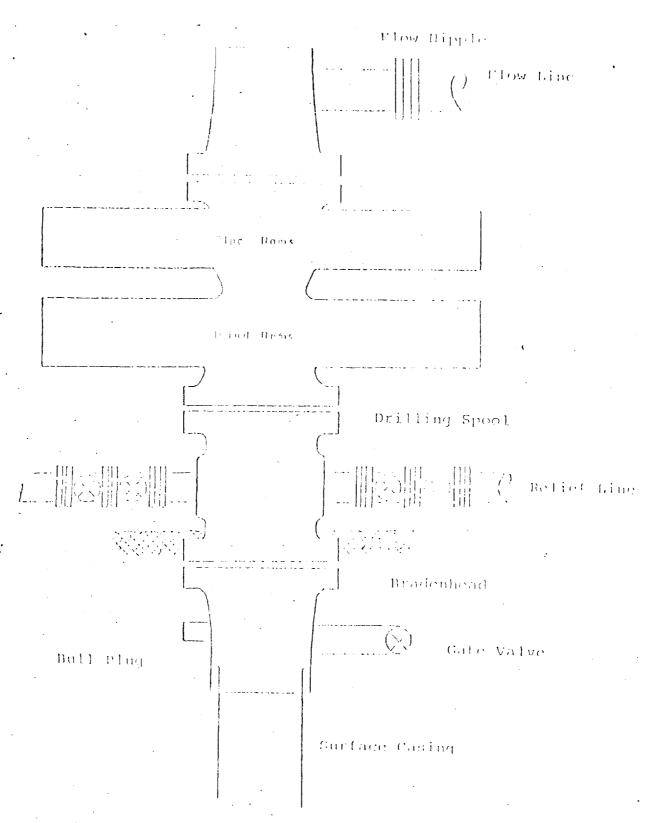
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El Paso Natural Gas Company

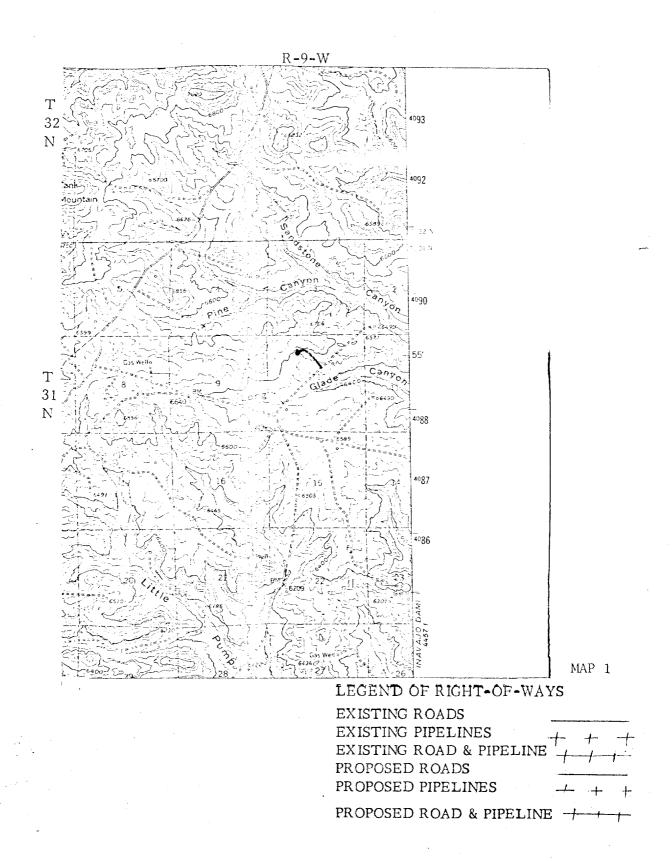
TYPICAL LOCATION PLAT FOR MESAVERDE OR DAKOTA DRILL SITE

SCALE: 1"=50' DWG.

Typical P.O.L Andallallon Tor Seca Perde Well



Series 900 Double Gate BOP, rated at 3000 psi Working Pressure When gas drilling operations begin a Shaffer type 50 or equivalent relating head is installed on top of the flow nipple and the flow line is converted into a blowie line



El faso Natural Gas Company San Juan 32-9 Unit #12A NW 10-31-9

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MAP 2