SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES MENT OF THE INTERIOR

	UNIT DEPARTMENT	ED STATES OF THE IN	TFRIOR ·	reverse side	e)	30-039-21650		
		GICAL SURVEY	-		İ	5. LEASE DESIGNATION AND SERIAL NO.		
APPLICATION	N FOR PERMIT 1			LUG BA	4CK	SF 07\$289-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
1a. TYPE OF WORK	t t Der	DEEDENI 🗆	DI	LIC DAC		7. UNIT AGREEMENT NAME		
b. Type of Well	LL [x	DEEPEN L	PL	UG BACK				
OIL G	S X OTHER		SINGLE X	MULTIPLE ZONE		San Juan 28-7 Unit 8. FARM OR LEASE NAME		
2. NAME OF OPERATOR						San Juan 28-7 Unit		
	atural Gas Co	mpany				9. WELL NO.		
3. ADDRESS OF OPERATOR			2.3			247 10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (R)	0, Farmingtor	i, NM 8740		ents.*)				
At surface	825'S, 19	_	•		[-	Basin Dakota 11. SEC., T., B., M., OR BLE.		
NAt proposed prod. zon	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Sec. 11, T-28-N, R-7-W		
14. DISTANCE IN MILES A	AND DIRECTION FROM NEAR	EST TOWN OR POST	OFFICE*			12. COUNTY OR PARISH 13. STATE		
	SE of Abe's S					Rio Arriba NM		
15. DISTANCE FROM PROPULOCATION TO NEAREST	1		6. NO. OF ACRES IN	LEASE		F ACRES ASSIGNED		
PROPERTY OR LEASE L (Also to nearest drlg	. unit line, if any)	825	Uni			333.76		
18. DISTANCE FROM PROP TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED,	250				Y OR CABLE TOOLS		
21. ELEVATIONS (Show whe		230	740	<u> </u>	Rota	22. APPROX. DATE WORK WILL START*		
6204 G								
23.	P	ROPOSED CASING	AND CEMENTING	G PROGRAM	4			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING 1	рертн		QUANTITY OF CEMENT		
13 3/4"	9 5/8"	32.3	20	0'		cu.ft. to circulate		
8 3/4" 6 1/4"	7"	20.0# er 11.6#-1				Bl cu.ft.to cover Ojo Alam 17 cu.ft.to fill to 3270'		
Selective	ly perforate	and sandwa	ater fract	ure th	e Dak	ota formation.		
			4			a september of the		
blind and	i WP and 6000 pipe rams wi is dedicated.				reven			
Lot #1 and Section 1	d SE/4SE/4 of	Section 1	0 and Lot	s 2,3	and 4	and S/2S/2 of octive zone and proposed new productive		
IN ABOVE SPACE DESCRIBE zone. If proposal is to	PROPOSED PROGRAM : II] Brill or deepen directiona	oroposal is to deepen Ny, give pertinent d	: or⁻p ug back, give ata on subsurface l	data on pres ocations and	sent produ measured	ective zone and proposed new productive and true vertical depths. Give blowout		
preventer program, if any 24.	y.							
SIGNED .	J. Brisco	TITLE	Dri	lling	Clerk	DATE 1-31-78		
(This space for Feder	ral or State office use)					DECEINED		
PERMIT NO.			_ APPROVAL DAT	E				
						FED 0 1070		
APPROVED BY		TITLE			•••	FEB 2 1978		
CONDITIONS OF APPROV.	AL, IF ANY:		t			U. S. GEOLOGICAL SURVEY		

NWU R-2948

*See Instructions On Reverse Side

DURANGO, COLO.

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			Lease				Well No.
El Paso Nat	ural Gas Com	pany	San	Juan 28-	7 Unit (S	F-078289	-A) 247
	ection	Township	Range		County		
N	11	28N	1	7 ¥	Rio	Arriba	
Actual Footage Location		20.1		7 11	1 1.10 1	TIIUA	
207			100			Mar 4	
	Producing Form	uth line ond		() fee	t from the	West	line
Ground Level Elev:	1	dtion	P∞l	Dogin	Doleata	/ l ^b	edicated Acreage:
6204	Dakota	., ····		basin	Dakota		333.70 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 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 CERTIFICATION							
Sec Col	Lof 4	Lof 3	La+ 2		:	Name Drilli Position El Paso Company	ein is true and complete to the knowledge and belief. Jellacia ng Clerk Natural Gas Co.
SF-079289		SF-079289-A 5/1 5/1 5ea				January	y 31, 1978
SEC 10	1970'	\$28 SEC 1	1	 		shown on	certify that the well location this plat was plotted from field ictual surveys made by me or
Scale:	Sec Cor 1"=1320"	× × ×		1070	Ser Con-	Date Surveye November Registered Fand	and correct to the best of my and belief. The correct to the best of my and belief. The correct to the best of my and belief.



Multi-Point Surface Use Plan San Juan 28-7 Unit #247

- 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 centrol 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 Delgadito Water hole.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

- Methods of Handling Waste Materials All garbage and trash 7. 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 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 #1 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 brown (Federal Standard #595-30318)
- 11. Other Information The terrain is high sandstone hills with pinon and cedar trees. Cattle graze the proposed project site.

- 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.

January 31, 1978

D. R. Read

Division Drilling Engineer

DRR:pb

Operations Plan San Juan 28-7 Unit #247

I. Location: 825'S, 1970'W, Section 11, T-28-N, R-7-W, San Juan County, NM

Field: Basin Dakota Elevation: 6204'GR

II. Geology:

_ (]]]]	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs Lewis Mesa Verde	San Jose 2022' 2210' 2698' 2952' 3070' 4590'	Menefee Point Lookout Gallup Greenhorn Graneros Dakota Total Depth	4760' 5130' 6186' 7115' 7174' 7301' 7480'
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- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5430', 6680', 7174', 7301' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. <u>Drilling</u>:

A. Mud Program: mud from surface to 3270'. Gas from intermediate casing to Total Depth.

IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
	•	13 3/4" 8 3/4" 6 1/4" 6 1/4"	200' 3270' 6500' 7480'	9 5/8" 7" 4 1/2" 4 1/2"	32.3# H-40 20.0# K-55 10.5# K-55 11.6# 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" production casing Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F)
- C. Tubing: 7480' of 1 1/2", 2.9#, J-55 10rd 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: 3000 psi test tree. Wellhead representative to set all slips and cut off casing.

Operations Plan - San Juan 28-7 Unit #247

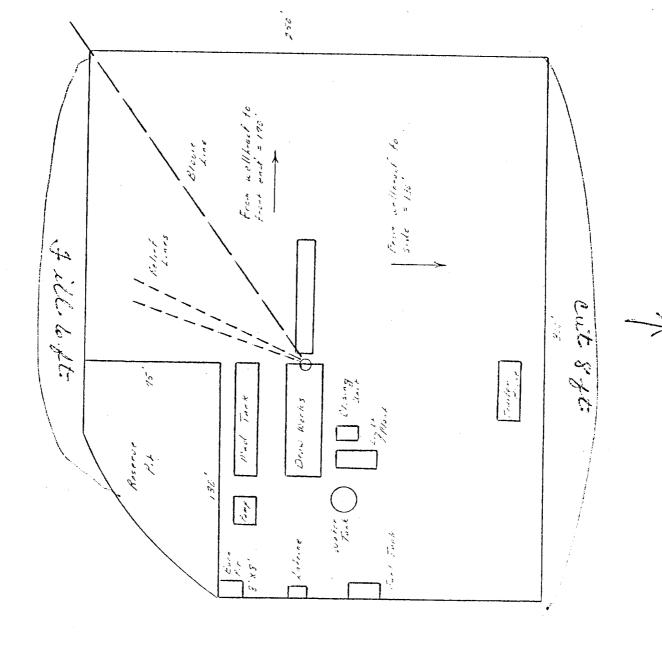
V. Cementing:

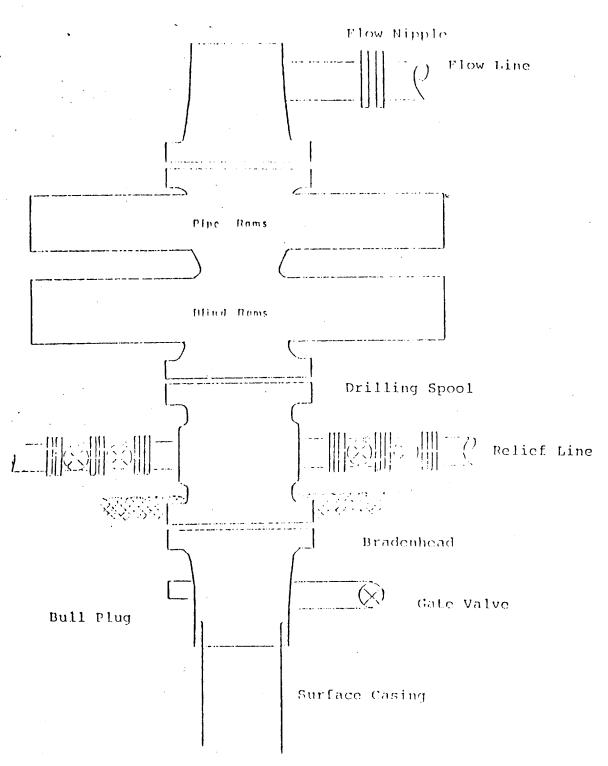
9 5/8" surface casing - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

7" intermediate casing - use 100 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 (281 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.

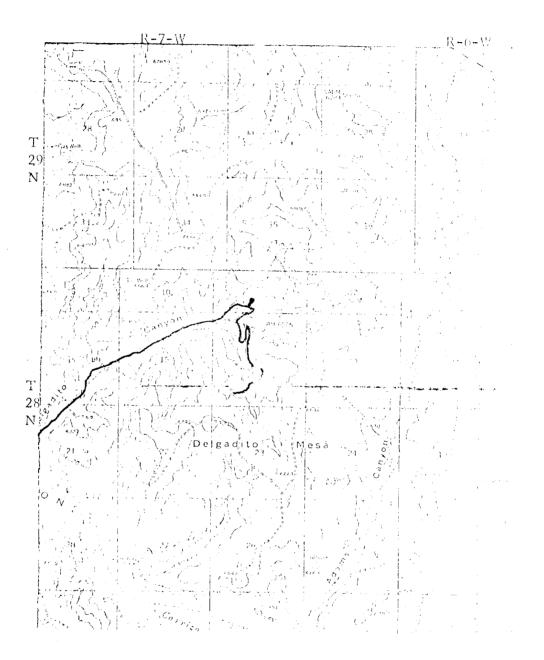
4 1/2" production casing - precede cement with 40 bbls. of gel water (4 sks. gel) cement with 294 sks. of Class "B" with 8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7, followed by 100 sks. of Class "B" with 1/4# fine tuf-plug per sack and 0.4% HR-7 (647 cu.ft. of slurry, 50% excess to fill to intermediate casing). Run temperature survey at 8 hours. WOC 18 hours.

Wells Company Pass Natural Cas F1 Paso Typical Location





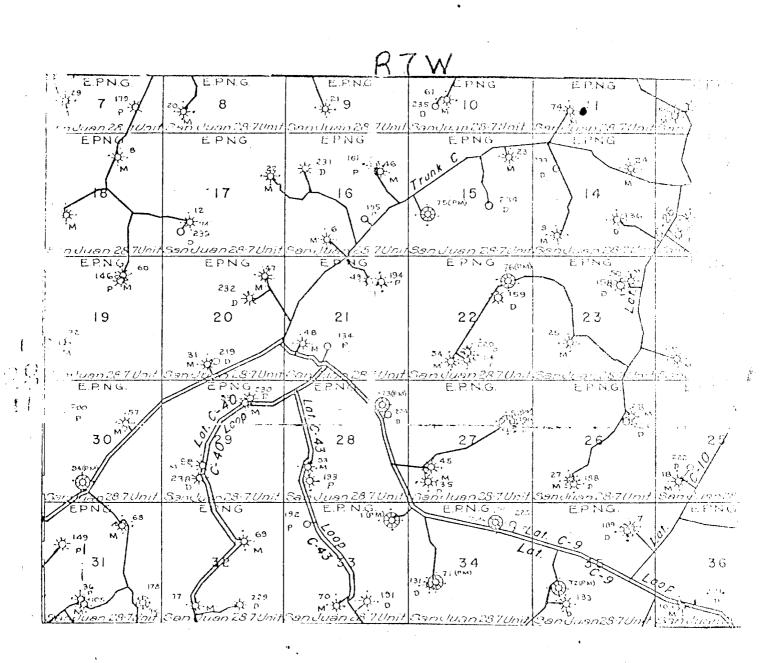
Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.



MAP #1

TWOSID OF RECEPOSHMAS

BMISTIMA	R. Wuc			
EXIGUES:	ITEMBER	- 1-	. 	• -
EXASCINA	STOAR SPRING	(1.15) - cr	ř.	
PROPOSED	00AJX			
PROPOSED	PREBLINES	-	+	+
through their	TO MALE TO BUILDING			•



MAP #2
Proposed Location •