SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side) UNITED STATES

30-045-23276

GEOLOGICAL SURVEY					5. LEASE DESIGNATION AND SERIAL NO. SF 078316G			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					6. IF INDIAN, ALLOTTER OR TRIBE NAME			
1a. TYPE OF WORK DRII	LL 🖺	DEEPEN [JG BA		7. UNIT AGREEMENT NAME San Juan 32-9 Unit	
b. TYPE OF WELL OIL GA	S OTHER			INGLE X	MULTIP PONE	LE	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR El Paso Nat	ural Gas Com	npany					San Juan 32-9 Unit	
3. ADDRESS OF OPERATOR							85	
PO Box 289, Farmington, NM 87401			State requiremen	nts.*)		10. FIELD AND POOL, OR WILDCAT Blanco Pic.Cliffs		
4. LOCATION OF WELL (Report location clearly and in accordance with a At surface 1820'N, 830'W			,	•	,		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-31-N, R-10-W	
- At proposed prod. zone	same						NMPM	
4. DISTANCE IN MILES A		REST TOWN OR POS	T OFFIC	E*			12. COUNTY OR PARISH 13. STATE	
13 miles No	orth of Aztec	, NM					San Juan NM	
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L.	SED* INE, FT.	820 '	16. N	o. of acres in Unit			of acres assigned this well 138.92	
(Also to nearest drlg 18. DISTANCE FROM PROPO TO NEAREST WELL, DE	OSED LOCATION* RILLING, COMPLETED,	400'	19. PROPOSED DEPTH 20. RO		20. ROTA	TARY OR CABLE TOOLS		
	OR APPLIED FOR, ON THIS LEASE, FT. 400 SOURCE ELEVATIONS (Show whether DF, RT, GR, etc.)		1110 04.	22. APPROX. DATE WORK WILL START*				
83.39 GL	I	PROPOSED CASI	NG AN	D CEMENTING	PROGRA	 AM	<u> </u>	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00Т	SETTING D	EPTH	1	QUANTITY OF CEMENT	
12 1/4"	8 5/8"	24.0	#	120'		106	106 cu.ft.to circulate	
6 3/4"	2 7/8"	<u> </u>		533	cu.ft.to cover Ojo A			
A 3000 psi	WP and 6000	psi test	dou	ble gate	e pre	vente reven	tured Cliffs formation requipped with tion of this well.	
This gas is dedicated.			1978 1978 SUPPER					
	E Section 13							
IN ABOVE SPACE DESCRIBE zone. If proposal is to o preventer program, if any	drill or deepen directions	proposal is to dee ally, give pertinen	pen or : t data	plug back, give on subsurface lo	data on p cations a	present pro- nd measure	ductive zone and proposed new productive ed and true vertical depths. Give blowout	
SIGNED A.	9 Lusies	TI	TLE	Dri	lling	Cler	k DATE NOV. 6, 197	
(This space for Feder	ral or State office use)						A Company of the Comp	
PERMIT NO.				APPROVAL DATE	·			
APPROVED BY		TI	TLE				n/a/toth	
CONDITIONS OF APPROV	AL, IF ANY:							

*See Instructions On Reverse Side

	····	All distances must b	e from the outer bounds	ries of the Section	L .	
Operator			Lease .			Well No.
	TURAL GAS COM	PANY	SAN JUAN 32	<u>-9 UNIT</u> (S	F-078316-G)	85
Unit Letter	Section	Township	Range	County		
E	13	31N	10W	San J	uan	Ī
Actual Footage Loc 1820						_
		orth line on		feet from the	West	line
Ground Level Elev. 6339	Producing For		Pool	D:-4	Dedic	ated Acreage:
		d Cliffs		co Pictured		38.92 Acres
1. Outline the	e acreage dedica	ited to the subject	well by colored pe	ncil or hachure	marks on the pla	t below.
2. If more th		dedicated to the w			-	İ
3. If more that dated by contact of the dated by contact of the dated by the dated by the date of the	in one lease of dommunitization, i	ifferent ownership is initization, force-poo	s dedicated to the ling. etc?	well, lave the	interests of all o	wners been consoli-
Yes	No If a	nswer is "yes," type	of consolidation	Unitiz	ation	
If answer i	s "no," list the	owners and tract des	scriptions which ha	ave actually be	en consolidated. (Use reverse side of
	necessary.)	1			.	·
No allowab	te will be assign	ed to the well until a	Il interests have h	een consolidat	ted (by communiti	zation, unitization,
iorcea-pool	ing, or otherwise)	or until a non-standa	ard unit, eliminatir	g such interest	s, has been appro	ved by the Commis-
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P. O. BOX 990 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

Multi-Point Surface Use Plan San Juan 32-9 Unit #85

- 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 Canvon Water Well.
- 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 and sagebrush flats with cattle 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.

Don Walker

Project Drilling Engineer

Operations Plan - San Juan 32-9 Unit #85

I. Location: 1820'N, 830'W, Section 13, T-31-N, R-10-W, San Juan County, NM

Field: Blanco Pictured Cliffs Elevation: 6339'GR

II. Geology:

A. Surface Formation: Nacimiento

Sub-surface Formation Tops:
Ojo Alamo 1554' Pictured Cliffs 3134'
Kirtland 1610' Lewis 3260'
Fruitland 2724' Total Depth 3300'

- B. Logging Program: Induction Electric and Gamma Ray Density at TD.
- C. Coring: none
- D. Testing: none

III. Drilling:

A. Anticipated Starting Date and Duration of the Project:

1979 Drilling Program - approximately 4 days to complete.

B. Circulating Medium: Treated water and a low solids gel base mud will be used from surface to TD.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
	12 1/4"	120'	8 5/8"	24.0# J-55
	6 3/4"	3300 '	2 7/8"	6.4# J-55

B. Float Equipment: 8 5/8" surface casing - cement guide shoe.

2 7/8" production casing - 10' shoe joint with notched collar for guide shoe and 2 7/8" latch down baffle on top. Two 3 1/16" balls and one 2 7/8" latch down plug.

- C. Tubing: none
- D. Wellhead Equipment: Larkin wellhead (fig. 75)

V. Cementing:

8 5/8" surface casing - 90 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (106 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing wellhead and BOP to 600#/ 30 minutes.

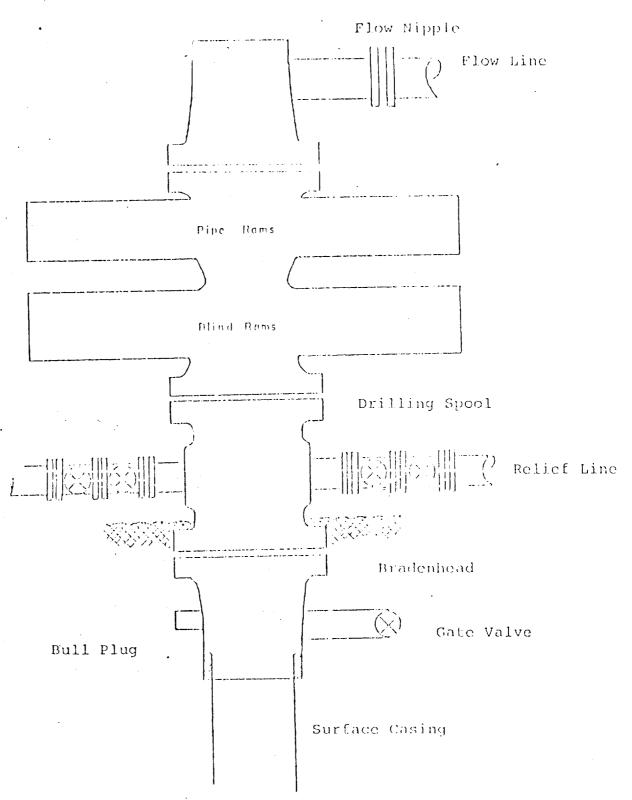
2 7/8" production - 278 sks. 65/35 Class "B" Poz with 6% gel, 2% CaCl₂, and 8.3 gallons water per sack followed by 70 sks.Class "B" neat cement (533 cu.ft. slurry, 50% excess to cover Ojo Alamo). Run temperature survey after 12 hrs.

El Paso Natural Gas Company
Typical Location Plut for Putured Cliffs Well
Well Name:

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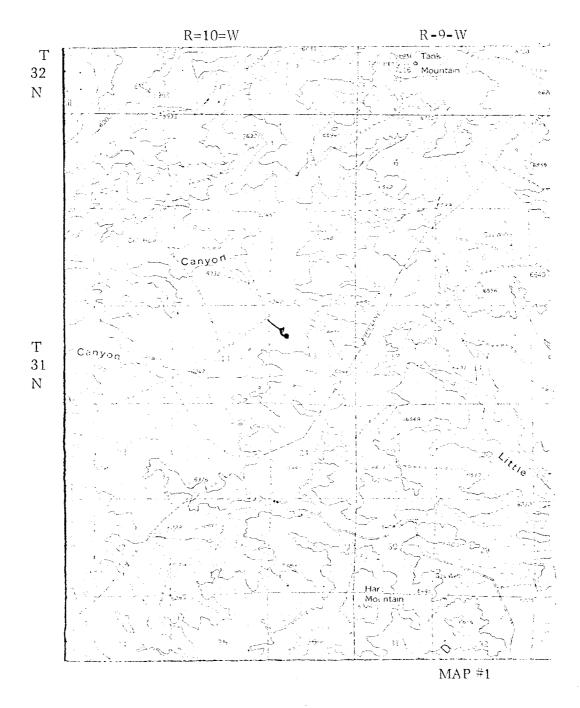
Typical And Drilled B.O.P. Installation for Pictured Cliffs Well



8" Series 900 Double Gate BOP, rated at 3000 psi Working Pressure

11

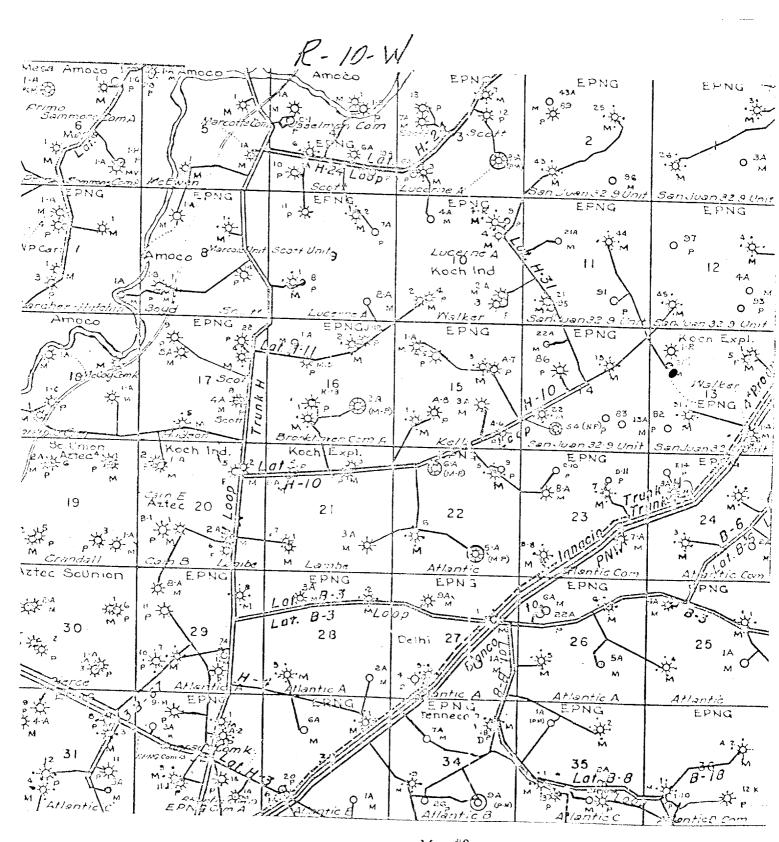
EL PASO NATURAL CAS COMPANY San Juan 32-9 Unit #85 NW 13-31-10



LEGEND OF RIGHT-OF-WAYS

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EL PASO NATÜRAL GAS COMPANY San Juan 32-9 Unit #85 NW 13-31-10



Map #2

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