1a. TYPE OF WORK

DRILL 🖺

SUBMIT IN TRIPLICATE*

PLUG BACK

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEEPEN

GEOLOGICAL SURVEY
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

0 045 0000

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5.	LEASE	DESIGNATION AND SERIAL N	io.
	SF	078402	

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

b. TYPE OF WELL						*
WELL L	VELL OTHER		SINGLE ZONE	X	MULTIPLE ZONE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR						Taylor
	tural Gas Co	mpany				9. WELL NO.
3. ADDRESS OF OPERATOR						lR /
PO BOX 990	, Farmington	, NM 874				10. FIELD AND POOL, OR WILDCAT
At surface	Report location clearly and		th any State	requirement	(s.*)	Aztec Pictured Clif
At proposed prod. zon	800'S, 10°	/5'E				11. SEC., T., B., M., OR BLK. SEC. 17, T-30-N, R-11- NMPM
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFICE*			12. COUNTY OR PARISH 13. STATE
l mile Sou	th of Aztec,	NM				San Juan NM
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE I (Also to nearest dri	T LINE, FT.	800'	16. NO. OF	ACRES IN LI		NO. OF ACRES ASSIGNED TO THIS WELL 160.00
18. DISTANCE FROM PROI	POSED LOCATION* PRILLING, COMPLETED,	500'	19. PROPOSE	2200	20. F	OTARY OR CABLE TOOLS
21. ELEVATIONS (Show wh 5680 GL	ether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START*
23.]	PROPOSED CASI	NG AND CEN	MENTING 1	PROGRAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	оот гоо	SETTING DEP	тн	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0	 	120'	10	6 cu.ft. to circulate
6 3/4"	2 7/8"	6.4		2200	49	6 cu.ft.to cover Ojo
						Alamo
blind and p	pipe rams wil	psi test l be used	double d for b	gate low ou	prevent it preve	er equipped with ention on this well.
	s dedicated.					APRIS 1978
	f Section 17					OIL CON C
N ABOVE SPACE DESCRIBE one. If proposal is to reventer program, if any	arm or deeben arrections	proposal is to deep lly, give pertinent	en or plug ba data on subs	ck, give dat urface locat	ta on present p tions and meas	productive zone and proposed new productive ured and true vertical depths. Give blowout
4.						
SIGNED SIGNED	y trade	uld tit	LE	Drill	ing Cle	rk April 7, 1978
(This space for Feder	cal or State office use)					
PERMIT NO.		-	APPRO	VAL DATE		ROGETYED
APPROVED BY			LE			
CONDITIONS OF APPROVA	AL, IF ANY:					APR 1 0 1078
((Wal		- -	_	_	U.S. String on States

*See Instructions On Reverse Side NMDCC

. 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. Cherator Lease Well No. EL PASO NATURAL GAS COMPANY (SF-078402) TAYLOR 1R Unit Letter Section Township Range County P 17 30-N 11-W SAN JUAN Actual Footage Location of Well: 800 SOUTH 1075 EAST feet from the line and feet from the Ground Leve! Elev. 5680 Producing Fermation Dedicated Acreage: PICTURED CLIFFS AZTEC PICTURED CLIFFS 160.00 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? X Yes If answer is "yes," type of consolidation _____ Communitization 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 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Drilling Clerk El Paso Natural Gas Co. April 7, 1978 SECTION I hereby certify that the well location 11 SMALL shown on this plat was plotted from field notes of actual surveys made by me or TRACTS -FEE-FEE under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 1075 MARCH 20; 1978 Registered Professional Engineer SF-078402 FEE 1760

660

1320 1650 1930 2310

2000

1500

1000

500



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan Taylor #1R

- 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 a water hole located at Aztec Ditch.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

Multi-Point Surface Use Plan

Page Two

- 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 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 #2 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 rolling shale hills with pinon and cedar trees growing. Dogs are occasionally seen on 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.

April 6, 1978

D. C. Walker

Project Drilling Engineer

DCW:pb

Operations Plan - Taylor #1R

I. Location: 800'S, 1075'E, Section 17, T-30-N, R-11-W, San Juan County, NM

Field: Aztec Pictured Cliffs Elevation: 5680'GR

II. Geology:

A. Surface Formation: Nacimiento

Sub-surface Formation Tops:

Ojo Alamo	590'	Pictured Cliffs	2055'
Kirtland	715'	Lewis	2155'
Fruitland	1650'	Total Depth	2200'

- 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:

1978 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:

Α.	Casing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
		12 1/4" 6 3/4"	120 ' 2200'	8 5/8" 2 7/8"	24.0# J-55 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.

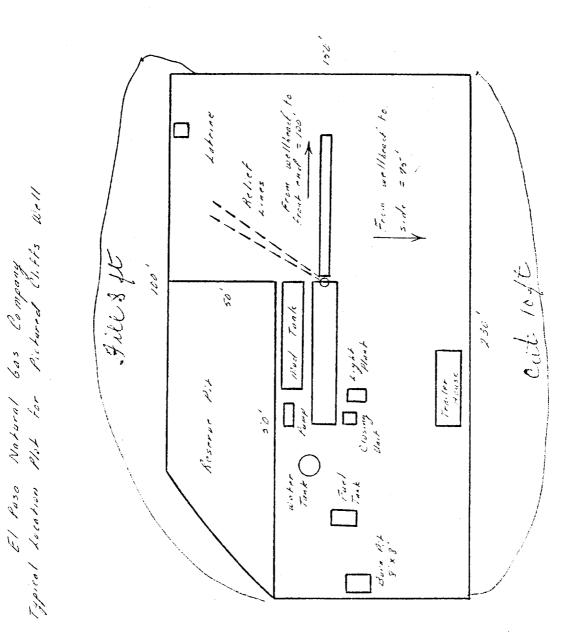
- C. Tubing: none
- D. Wellhead Equipment: Larkin wellhead (fig. 75)

V. <u>Cementing:</u>

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.

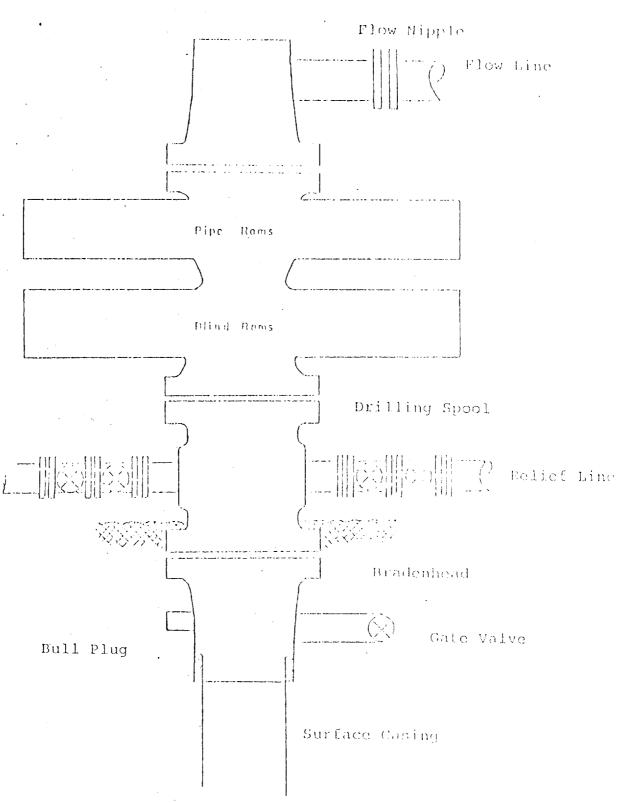
2 7/8" production - 255 sks. 65/35 Class "B" Poz with 6% gel, 2% $CaCl_2$, and 8.3 gallons water per sack followed by 70 sks.Class "B" neat cement (496cu.ft. slurry, 50% excess to cover Ojo Alamo). Run temperature survey after 12 hrs.





Scale : 1." = 70'

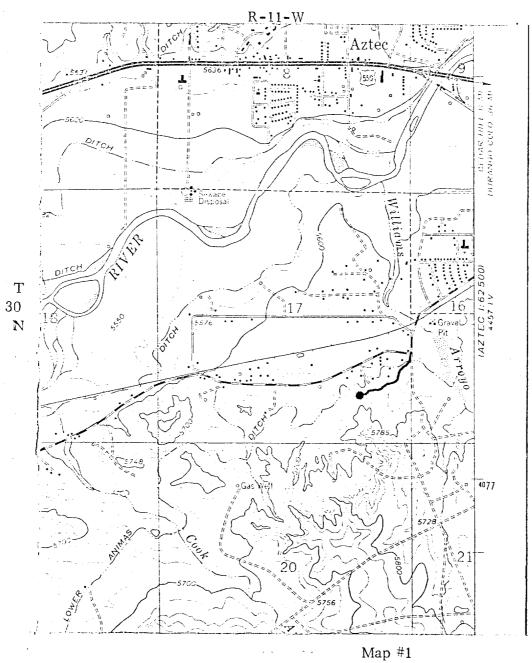
Typical Mud Drille LR.O.P. Installation for Pictured Cliffs Well



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

1.1

EL PASO NATURAL GAS COMPANY Taylor #1R SE 17-30-11



LEGEND OF RIGHT-OF-WAYS

EXISTING	ROADS	
	PIPELIMES	
EXISTING	ROAD & PIFELIN	E-+-+-
PROPOSED	ROADS	
PROPOSED	PIPELINES	+ + +
PROPOSED	RCAD & PIPELI	E + +

EL PASO NATURAL GAS COMPANY Taylor #1R SE 17-30-11 D 11146

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MAP #2

Proposed Location •