SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR

3	0 -	04	15		24	14	(
-5.	LEASE	DESIGNA	ATION	AND	SERIAL	NO.	

	-	ICAL SURVE				6. IF INDIAN, ALLOTTI	
APPLICATION	FOR PERMIT TO	D DRILL, D	EEPE	N, OR PLUG B	<u>ACK</u>	G. IF INDIAN, ALBOTT.	
1a TYPE OF WORK	L 🐔	DEEPEN [_	PLUG BAC		7. UNIT AGREEMENT	NAME
b. TYPE OF WELL OIL GAS	इ. की		SING		. Е	8. FARM OR LEASE N	A M E
WELL WE 2. NAME OF OPERATOR	OTHER		208	5 22 2015		Bruington	
	tural Gas Com	pany				9. WELL NO.	
3. ADDRESS OF OPERATOR		<u> </u>				1R	
PO Box 289	, Farmington,	NM 874				10. FIELD AND POOL,	
4. LOCATION OF WELL (Re	port location clearly and i	n accordance with	any Sta	te requirements.*)		11. SEC., T., R., M., O	cured Cliffs_ RBLK. 30-N,R-11-W
At proposed prod. zone	same					NMPM	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEARI	ST TOWN OR POST	OFFICE			12. COUNTY OR PARIS	
	uth of Aztec,					San Juan	NM
15. DISTANCE FROM PROPU LOCATION TO NEAREST PROPERTY OR LEASE L	INR. FT.	1120'	16. NO.	2000 C	то т	OF ACRES ASSIGNED THIS WELL	160.00
(Also to nearest drig	OSED LOCATION*		19. PRO	POSED DEPTH	1	ARY OR CABLE TOOLS	
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED,	l mile		2315'	Rotar	-	NORTH WILL SMIRMS
21. ELEVATIONS (Show who	ther DF, RT, GR, etc.)					22. APPROX. DATE	WORK WILL START*
23.	P	ROPOSED CASIN	G AND	CEMENTING PROGRA	AM	·	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	TOO	SETTING DEPTH		QUANTITY OF CEN	
$\frac{12 1/4"}{}$	8 5/8"	24.0#		120'		cu.ft.circ.	
6 3/4"	2 7/8"	6.4#		2315'	512	cu.ft.to co	<u>ver Ojo Al</u> amo
	ly perforate						
A 3000 psi blind and	WP and 6000 pipe rams wi	psi test ll be use	dou d fo	ble gate pro	event preve	er equipped ntion on th	with is well.
	is dedicated.	_ (DE. OIL C	C 2 6 1979 ON. COM.	(4)		·
The SE/4	of Section 20	is dedic	atee	Stostnis/we	11.	_	a
IN ABOVE SPACE DESCRIE zone. If proposal is to preventer program, if a	BE PROPOSED PROGRAM: II drill or deepen directions	proposal is to dee ally, give pertinen	pen or i	olug back, give data on cubsurface locations	present pr and measu	roductive zone and pro- ired and true vertical d	epths. Give blowout
24.	1 1 .						
SIGNED .	B. Dus	T	ITLE	Drilling	Cler	k DATE 12	2-13-79
(This space for Fed	deral or State office use)						
PERMIT NO.				APPROVAL DATE			
APPROVED BY		т	ITLE			DATE	
CONDITIONS OF APPRO							
	oh 5nd						

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Wel! No. 1R BRUINGTON EL PASO NATURAL GAS COMPANY Range Unit Letter Township 20 San Juan 30N 11W Actual Footage Location of Well: 1120 EAST line 1520 feet from the line and Dedicated Acreage: Producing Formation Ground Level Elev. 160.00 AZTEC PICTURED CLIFFS -PICTURED CLIFFS 5770.0 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? Communitization If answer is "yes," type of consolidation _ ☐ No 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 con-NOTE: tained herein is true and complete to the THIS PLAT REISSUED TO SHOW MOVED LOCATION. best of my knowledge and belief. 10-17-79 Maco Drilling Clerk RECEIVED Position El Paso Natural Gas Co. DEC 1 4 1919 December 13, 1979 Date U. S. GEOLOGICAL FARMINGTO I hereby certify that the well location wn on this plat was plotted from field · SF-078138 FEE r my supervision, and that the same true and correct to the best of my 1120'

1000

2000

1980

500

EIPEED COMPANY

н су доссине Умерический изуческого плача Иноне, чисторим

Well Name Bruington #1 R	
Location $SE = 20 - 30 - 11$	•
Formation PC	
We, the undersigned, have inspected this location	and road.
	÷
U. S. Forest Service	Date .
Donati Ford	10/4/79
	Date:
Bureau of Indian Affairs Representative	Date 10/4
Bureau of Land Management Representative Andry Murmo	10-4-79
U. S. Geological Survey Representative - AGREES TO THE FOOTAGE LOCATION OF THIS WELL. REASON:	Date
Seed Mixture: #	
Equipment Color: Breen	
Road and Row: (Same) or (Separate)	
Remarks:	

C.C. to Dave Vilvin
Earl Mealer
John Ahlm



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

Multi-Point Surface Use Plan Bruington #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.
- Location and Type of Water Supply Water for the proposed project will be obtained from Animas River.
- 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, juniper, and rabbit brush growing. Cattle, deer and rabbits 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.

L. A. Aimes

Project Drilling Engineer

Operations Plan - Bruington #1R

I. Location: 1520'S, 1120'E, Section 20, T-30-N, R-11-W, San Juan County, NM

Field: Aztec Pictured Cliffs <u>Elevation:</u> 5780'GR

II. Geology:

A. Surface Formation: Nacimiento

Sub-surface Ojo Alamo	Formation Tops: 635'	Pictured Cliffs	2100'
Kirtland	805'	Lewis	2275
Fruitland	1800'	Total Depth	2315'

- 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:

1980 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"	2315'	2 7/8"	6.4# J-55

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

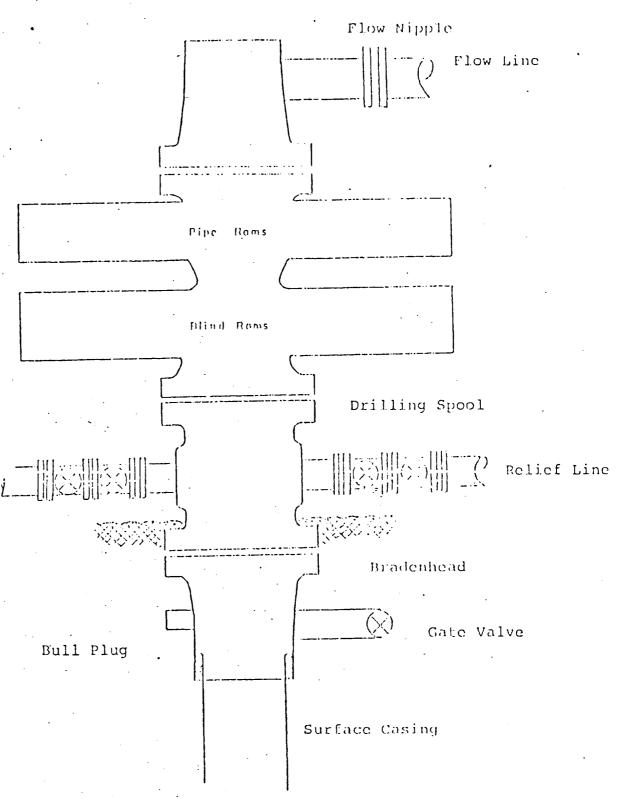
2 7/8" production casing - 10' shoe joint with notched collar for guide shoe and 2 7/8" latch down baffle on top. Two 3 1/16" balls and one 2 7/8" latch down plug.

- C. Tubing: none
- D. Wellhead Equipment: 8 5/8" x 2 7/8" 2000 psi WOG casing head.

V. Cementing:

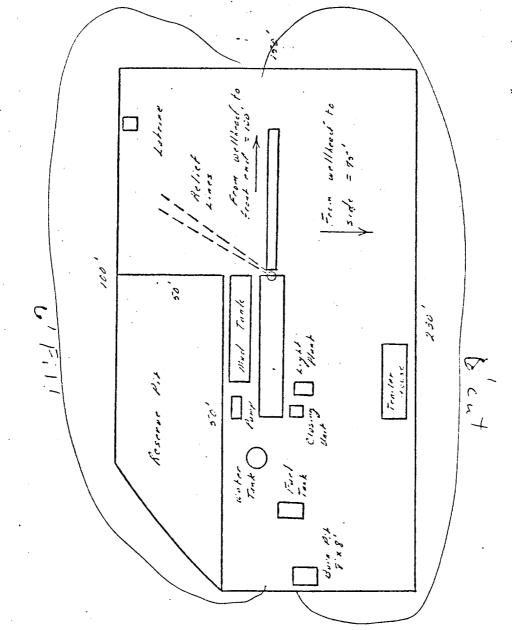
8 5/8" surface casing - 90 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (106 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing wellhead and BOP to 600#/30 minutes.

2 7/8" production - precede cement with 5 bbls. water. Cement with 265 sks. of 65/35 Class "B" Poz with 6% gel and 8.3 gallons water per sack followed by 65 sks. 50/50 Class "B" Poz with 2% gel (512cu.ft. of slurry, 50% excess to cover Ojo Alamo). Spot 50 gallons of 7 1/2% acetic acid on top of plugs. Run temperature survey after 12 hours.

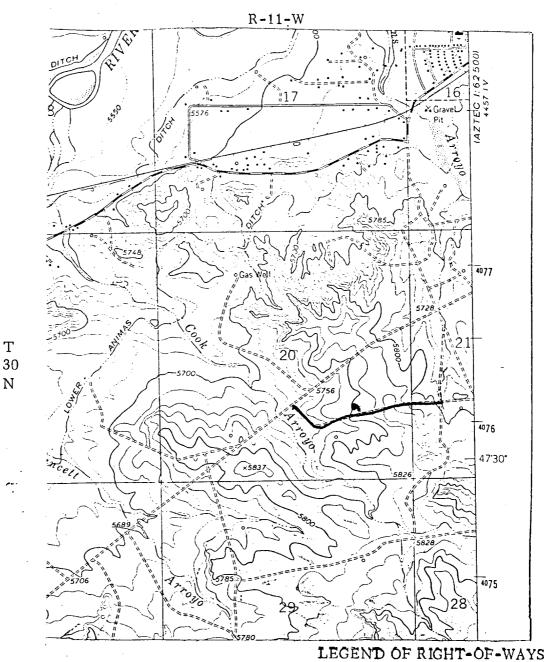


8" Series 900 Double Gate BOP, rated at 3000 psi Working Pressure

El Paso Natural Gas Company Typical Lucation Plat for Pictured Clift's Well



Scale : 12" = 20



MAP 1

EXISTING ROADS EXISTING PIPELINES EXISTING ROAD & PIPELIN PROPOSED ROADS PROPOSED PIPELINES PROPOSED ROAD & PIPELINE - El Paso Natural Gas Company Bruington #1 R SE 20-30-11

