Form 3160-3 (November 1983) (formerly 9-331C)

(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

PERMIT NO. \_

APPROVED BY .

### SUBMIT IN TRIPLICATE

(Other instructions on reverse side)

MAR 07 1985

FARMINGTON RESCURCE AREA

Zsz & Stan McKee

OSST ATTE MANAGER

**UNITED STATES** DEPARTMENT OF THE INTERIOR

Form approved.	
Budget Bureau No.	10040136
Expires August 31	

	BUREAU OF	LAND MANAGEME	:NT		O. DEASE DESIGNATION AND BERIAL	NO.
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					SF 078716A 6. IF INDIAN, ALLOTTED OR TRIBE N	AMR
1a. TYPE OF WORK	FOR PERMIT I	O DRILL, DEEL	PEN, OR PLUG I	BACK	,	
	L [x	DEEPEN	PLUG BA	.ск 🗀 📑	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL						
OIL GAS			SINGLE MULTII	PLE _	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR					Hubbell	
El Paso l	Natural Gas C	ompany			9. WELL NO.	
3. ADDRESS OF OPERATOR					11	
PO BOX 4:	289, Farmingt	on, NM 874	99	:	10. FIELD AND POOL, OR WILDCAT	
At surface	port location clearly and i			ED	Aztec Pic Cliff	s
1030's,	1070'E	Γ	Y E C E I V		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone			FEB <b>28</b> 1985		)) Sec.18,T-29-N,R	-10-
14. DISTANCE IN MILES AN	D DIRECTION FROM NEARI	ST TOWN OR POST OFFI	CE*		NMPM 12. COUNTY OR PARISH   13. STATE	
2 miles 1	Took of Dloom	Eigla vy "A	REAU OF LAND MAINE	TOURIENT		
<ol> <li>DISTANCE FROM PROPOS</li> </ol>	East of Bloom	16. 1	NO. OF ACRES IN LEASE	17. NO. OF	San Juan NM	
LOCATION TO NEAREST PROPERTY OR LEASE LIX	NE, FT 1030!		1263.40		S WELL	
18. DISTANCE FROM PROPOS		19.	PROPOSED DEPTH	20. ROTARY	OR CABLE TOOLS	
TO NEAREST WELL, DRI OR APPLIED FOR, ON THIS			2070'			
21. ELEVATIONS (Show wheth		RILLING OPERATIONS		1	Rotary  22. APPROX. DATE WORK WILL ST	ART*
5638'GL	SU	BJECT TO COMPLIAN	DE MOR ATTACHED			
23.	Pi		D CEMENTING PROGR		s action is subject to administra	tive
			<del></del>	app	eal pursuant to 30 CFR 290.	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	-	QUANTITY OF CEMENT	<del></del>
12 1/4"	8 5/8"	24.0#	- 300 <b>!</b>		cf circ.surface	
6-3/4" <sub> </sub> -	<del>2 7/8"</del>	6.4#	-  <del>2070'</del>	-  <del>674</del> -	cf cover Ojo Alai	no-
	.					
						•
Soloativo	olu porforato	b 6				
formation	sty berrorare	and Sand W	ater fracture	the Pi	ctured Cliffs	
TOTMACTO	i •					
A 3000 ps	si WP and 600	N nsi test	double gate n	ravanta	r equipped with	
blind and	d pipe rams w	ill be used	for blow out	nravan	tion on this well	ì
	Pipo ramo "	III De ubeu	TOT DIOW OUC	breven		
This gas	is dedicated			IL	PEGELVER	
J		•		- lā	T SUE HY FIR	<b>)</b>
The SE/4	of Section 1	8 is dedicat	ted to this w	ell. <b>Ui</b>	1 - 49 ///	1
·					MAR 11 1985	ł
				$\mathbf{c}$	11 000	
					DIL CON. DIV.	
					DIST. 3	
					tive sone and proposed new produ	
one. If proposal is to dr reventer program, if any.	or deepen directionall	y, give pertinent data	on subsurface locations as	no measured a	and true vertical depths. Give blo	wout
24.	(/)	<del></del>		A	PPROVED	
Jan.	. Loak				1 8 8 8 4 4 A B B B B B B B B B B B B B B B B B	
SIGNED / LING 4		TITLE	Drilling	Clerk	AS AMENDER 26-85	
(This space for Federa	l or State office use)			3	US VINICIANED	

\*See Instructions On Reverse Side

MMOCC

APPROVAL DATE

TITLE

# OIL CONSERVATION DIVISION STATE OF NEW MEXICO EMERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

form C-102 kevised 10-1

All distances must be from the cuter houndaries of the Section.

SI. PASO-NATURAL GAS COMPANY    Bottom   Power   18	Operator			Lease				Well No.
In Letter   Section   Township   Part   18   29N   10W   San Juan    1030   San Juan   1070   San Juan    1030   San South   S			HUBBELL	(SF	07871	16-A)	11	
Action Protocol Leading of wells  1030	Unit Letter			Range				
1030 test from the South Ins and 1070 feet from the East Ins  Producting Formation 5636 Pictured Cliffs Aztoc Dedicated Accesses 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  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  RECEIVED  FIGURE 11 1985  OIL CON. DIV  PIST 3  Note:  DIT Paso Natural Gas Co  Company  FOUTUARY 26, 1985  Date  I hereby certify that the information contained herein is jugs and complete to the best of my knowledge and belief.  I hereby certify that the information contained herein is plus was plated from field and when the same and the		L	29N	1 OW		San	Juan	·
Post   Productive Formetten   Post	•	-	041					
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Sec.  OIL CON. DIV  DIST 3  RECEIVED  FEB 281965  BUREAU OF LAND MANAGEMENT  Date  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.  10701  Date Surveys  Registrated partials from Englance and Lynd Sample 2	51011.		······································				,	
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#### Operations Plan Hubbell #11

I. Location: 1030'S, 1070'E, Sec. 18, T-29-N, R-10-W, San Juan Co., NM

Field: Aztec Pictured Cliffs Elevation: 5638'GL

#### II. Geology:

Α.	Formation Tops:	Surface	Nacimiento	Pic.Cliffs	1945'
		Ojo Alamo	820 <b>'</b>	Lewis	2027'
		Kirtland	885 <b>'</b>	Total Depth	2070 <b>'</b>
		Fruitland	1667'	-	

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none

#### III. Drilling:

A. Circulating medium: treated water and a low solids gel base mud.

#### IV. Materials:

Α.	Casing Program:	Hole Size	<u>Depth</u>	Csg.Size	Wt.&Grade
		12 1/4"	300'	8 5/8"	24.0#J-55
		7 7/8"	1667'	2 7/8"	6.4#J-55
		6 3/4"	2070 <b>'</b>	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 -215 sks. Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (254 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing, wellhead and BOP to 600#/30 minutes.

2 7/8" production - precede cement with 5 bbls. water. Cement with 300 sks. 65/35 Class "B" Poz with 6% gel, 2% calcium chloride, 1/2 cu.ft. perlite/sack and 10.3 gal. water/sk followed by 75 sks. 50/50 Class "B" Poz w/2% gel (674 cu.ft. slurry, 100% excess to cover Ojo Alamo). Spot 50 gallons of 7 1/2% acetic acid on top of plugs. Run temperature survey after 12 hours.

#### Multi-Point Surface Use Plan Hubbell #11

- 1. Existing Road Please refer to Map No. 1 which show 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 duraction of this project.
- 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 facillities 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 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 DSJ-05 Blanco Bloomfield Ditch.
- 6. Source of Construction Materials No additional materials will 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, will be provided for human waste.

7. cont'd.

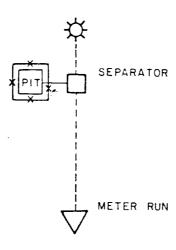
If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainage; all earthen pits will be so constructed as to prevent leakage from occurring.

- 8. Ancillary Facilities No camps or air strips 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 operations 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- Terrain is hillside with juniper and sage growing. Cattle, sheep and rabbits are occasionally seen on the proposed project site.
- 12. Operators Representative D. C. Walker, Post Office Box 4289, Farmington, NM 87499.
- 13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Project Drilling Engineer

GWB:pb



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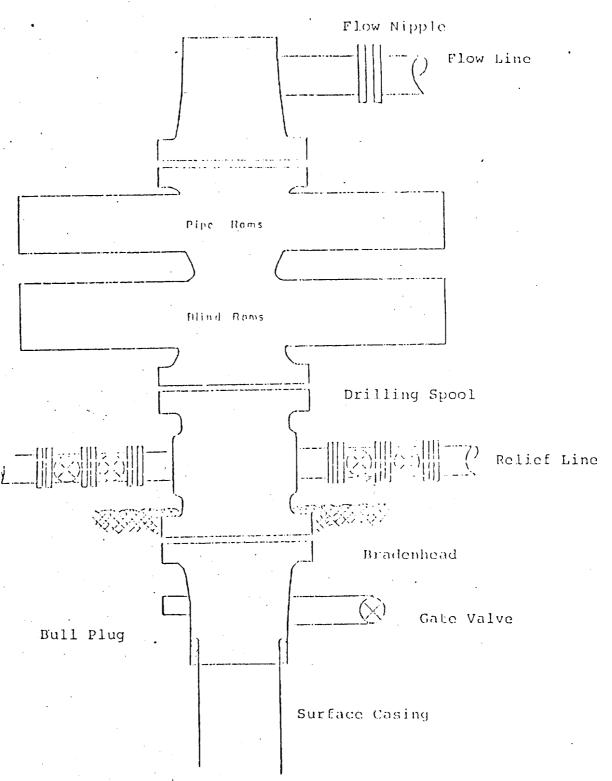
Anticipated Production Facilities For Pictured Cliffs or Chacra Well

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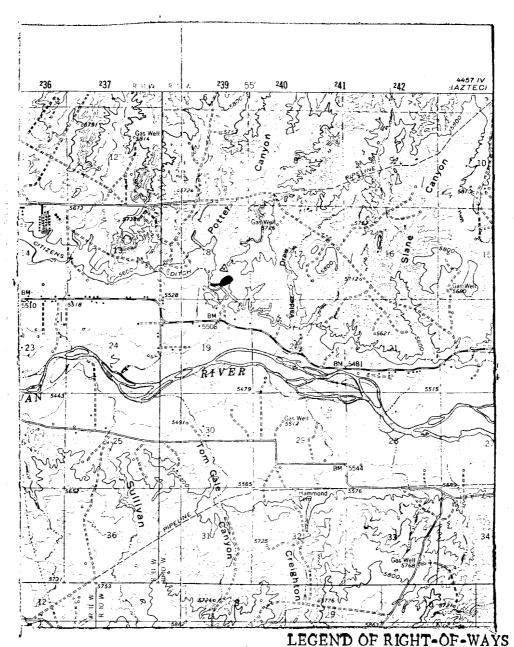
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## Typical Mud Drilled B.O.P. Installation for Pictured Cliffs Well



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



Map #1

EXISTING ROADS

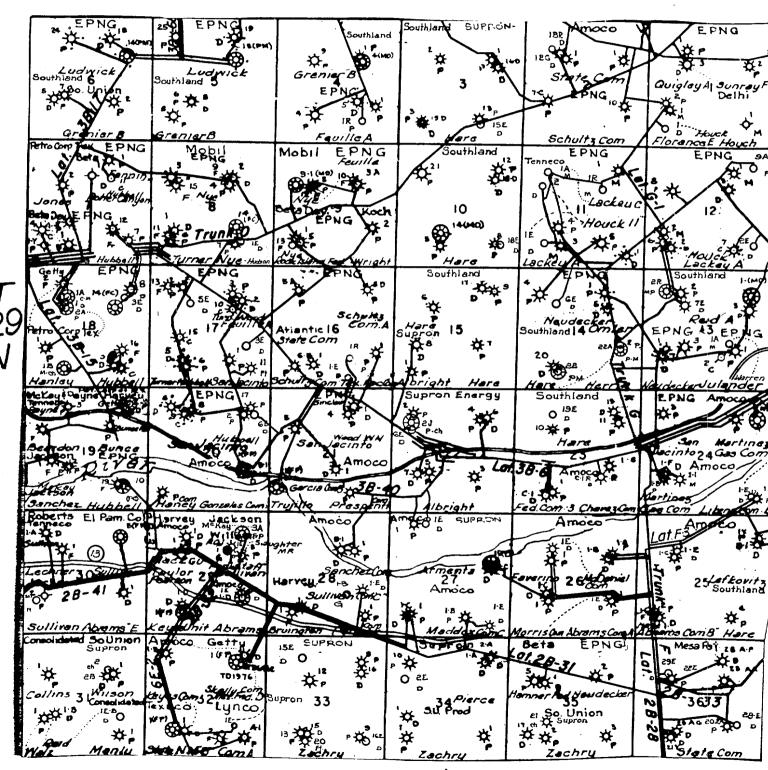
EXISTING PIPELINES + + +

EXISTING ROAD & PIPELINE + +

PROPOSED ROADS

PROPOSED PIPELINES + +

PROPOSED ROAD & PIPELINE



R-10-W