SUBMIT IN TRIPLICATION

Borm approved. Budget Bureau No. 42 R1425.

(Other Instructions on reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

		ITED STATES NT OF THE INT	reverse b		30-039-21309	
		OGICAL SURVEY			Jic. Apache Tribal	
APPLICATION	N FOR PERMIT	TO DRILL DE	PEN, OR PLUG I	BACK	G. IF INDIAN, ALLOTTER OR TRIBE NAME	
1a. TYPE OF WORK					Jicarilla Apache	
b. TYPE OF WELL	ILL X	DEEPEN 🗌	PLUG BA	CK [_]	7. UNIT AGREEMENT NAME	
017 []	AS OTHER		SINGLE MULTII	PLE []	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR					Jicarilla 117 E	
Northwest	Production (Corporation		:	9. WELL NO.	
	Earmington	NM 07401	••	1	9A 10. FIELD AND POOL, OR WILDCAT	
L LOCATION OF WELL (R	, Farmington	nd in accordance with an	y State fequirements.*)		Blanco Mesa Verde	
At surrice ,	950'N, 15	520'W	T		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA	
At proposed prod. zor	ie				Sec. 33, T-26-N, R-3-W	
4 DISTANCE IN MILES	AND DIDECTION PROM N	EAREST TOWN OR POST OF	BTO B A		NMPM	
1. DISTANCE IN MILES	AND DIRECTION FROM N	LARLET TOWN OR POST OF	FICE		12. COUNTY OR FARISH 13. STATE	
5. DISTANCE FROM PROPO	OSED*	16.	NO. OF ACRES IN LEASE] 17. NO.	Rio Arriba NM	
LOCATION TO NEARES' PROPERTY, OR LEASE I (Also to nearest dri	INE, FT.			тот	320.00	
18. DISTANCE FROM PROF TO NEAREST WELL, D	OSED LOCATION*	19.	PROPOSED DEPTH	20. ROTA	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	IS LEASE, FT.		6360'	Rota	ry	
7332 GR	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*	
3.		PROPOSED CASING A	AND CEMENTING PROGR	ΔM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	T	QUANTITY OF CEMENT	
13 3/4"	9 5/8"	32.3# H-40	200'	224	cu.ft.to_circulate	
8 3/4"	<u>7"</u>	20# K-55	4200'	į.	cu.ft.to cover Ojo Ala	
6 1/4"	4 1/2"	10.5# K-55	5 4050-6360'	403	cu.ft.to fill to 4050	
A 3000 psi and pipe r	WP and 6000 ams will be s dedicated.) psi test do used for blo		evente:	a Verde formation r equipped with blind this well OEC 2 11876 OL CON. COM. D.ST. 3	
one. If proposal is to reventer program, if an.	drill or deepen directio	nally, give pertinent dat	a on subsurface locations at	nd measure	d and true vertical depths. Give blowout DATE December 16, 19	
	ral or State office use)					
PERMIT NO.	ral or State office use)		APPROVAL DATE			
	•	TITLE	APPROVAL DATE		DATE	

All distances must be from the outer boundaries of the Section Operator Well Ho. Jicarilla 117 E (JICARILLA #117) NORTHWEST PRODUCTION CORPORATION 9Λ Section Townsidp Unit Letter Honge Coun'y 26N **3W** Rio Arriba Actual Footage Location of Well: 1520 North West feet from the line and feet from the Ground Lovel Elev. Producing Fermation Dedicated Acreage: Pocl BLANCO MESA VERDE MESA VERDE 320.00 7332 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 consultdated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ Yes 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 DEC2 11976 best of my knowledge and belief. 15201 OIL COM. COM. DIST. 3 Northwest Production Corp. JICARILLA-APACHE TRIBAL CONTRACT No. 117 December 16, 1976 Sec 33 I hereby certify that the well location shown on this play was played from field notes of actual surveys made by me or UNSUR [/ EYED under my supervision, and that the same O *9 is true and correct to the lest of my knowledge and bel' if. November 9, Registered Prof⇔asio Fred B. Certificate Lio.

660

1920 1650

2310

200

1500

1000

3950

Multi-Point Surface Use Plan Jicarilla 117 E #9A Northwest Production Corporation

- 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 thirty feet (30') 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. 1
- 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 and proposed 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 in SE/4 Section 17, T-26-N, R-4-W (Jicarilla Tapacito Water Hole)
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

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- 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. 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 as prescribed by either the governmental regulatory agency or land owner and El Paso Natural Gas Company. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted the color or colors designated by the proper governmental agency.
- 11. Other Information The immediate area surrounding the proposed wellsite is rolling hills and a washout area.

 There is Pinon and Cedar growing on the location.

 A few head of cattle and deer graze on the grasses that surround the proposed project site.

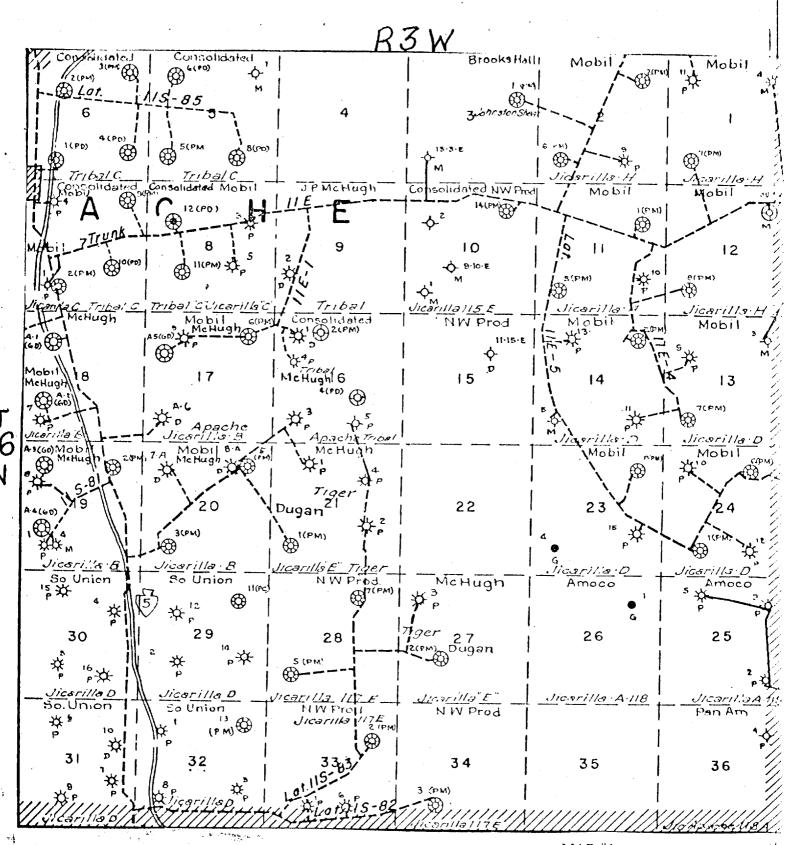
- 12. Operator's Representative W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401
- 13. Certification -

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.

D. R. Read

Division Drilling Engineer

pb

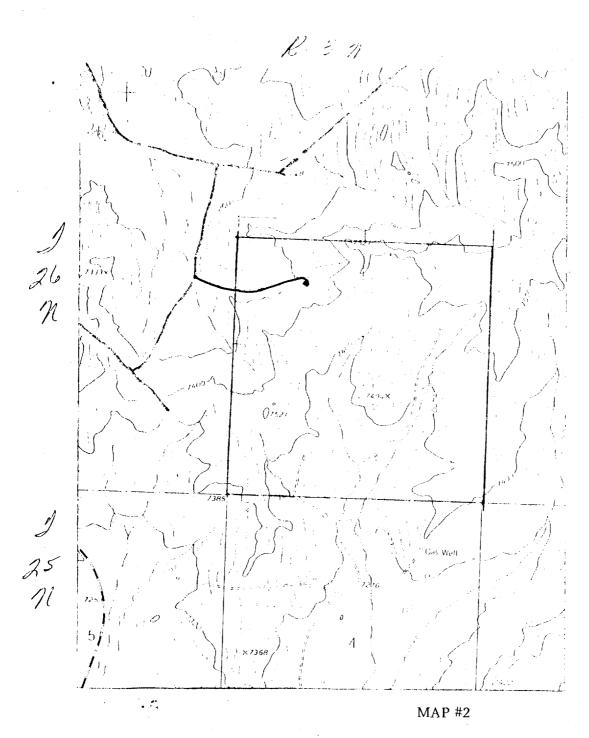


MAP #1

This Well Will Be Tied by Northwest Pipeline Corporation

NORTHWEST PRODUCTION CORPORATION

Secar Ca /11 6 27



LEGEND OF RIGHT-OF-WAYS

EXTRATING PERSONNES

EXTRATING PERSONNES

EXTRATING PERSONNES

EXTRATING POPULATIONS

PROPOSED ROAD - PERSONNES

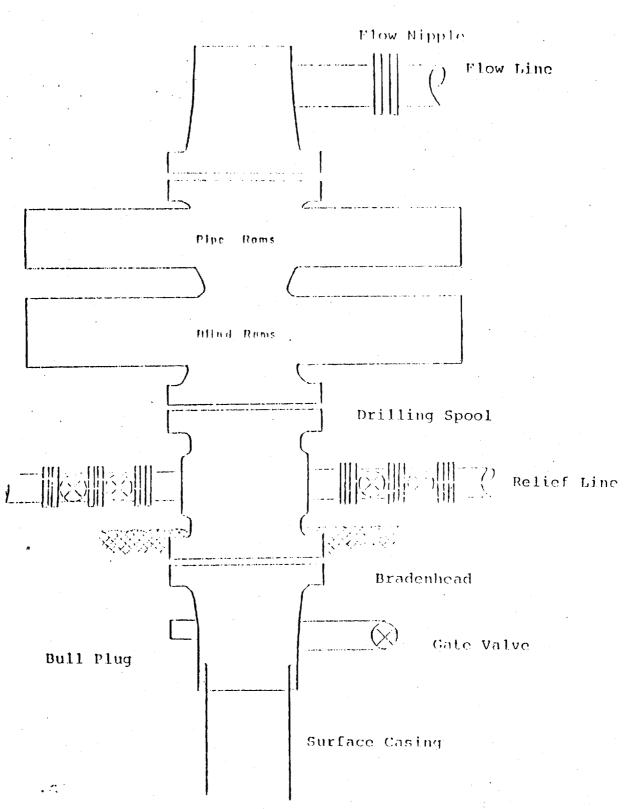
PROPOSED ROAD - PERSONNES

PROPOSED ROAD - PERSONNES

1031

250 Wells from wellhoad to from = 170° Treem seethersel to Typical Location Plat For Moses Verde and Dateta 10 ft Fill 12 ft cut 300 15. Trulpr Mad Tonk Drow Works Rusprue Jung

Typical B.O.P. Installation for Mesa Verde Well



10" 900 x 9 5/8" casing head 10" 900 x 6" 900 xmas tree

Operations Plan Jicarilla 117 E #9A

I. Location: NW/4 Section 33, T-26-N, R-3-W, Rio Arriba County, NM

Field: Blanco Mesa Verde Elevation: 7332'GR

II. Geology:

Α.	Formation Tops:	Ojo Alamo	3450'	Lewis	4000'
	•	Kirtland	3680 '	Mesa Verde	5590 '
		Fruitland	3795 '	Menefee	5710 '
		Pic.Cliffs	3930'	Point Lookout	6060'
				Total Depth	6360'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 5700', 6050' and at Total Depth.
 Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud from surface to 4200'. Gas from intermediate casing to Total Depth.

IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	$\overline{32.3} \# H-40$
		8 3/4"	4200'	7"	20.0# K-55
		6 1/4"	4200-6360'	4 1/2"	10.5# 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" liner T.I.W. liner hanger with neoprene packoff. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).
- C. Tubing: 6360' of 2 3/8", 4.7#, J-55 8rd 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: $10" 900 \times 9 5/8"$ OCT casing head. $10" 900 \times 6" 900$ OCT xmas tree.

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 35 sks. of 65/35 Class "B" Poz with 12% gel (15.52 gallons of water per sack) followed by 70 sks. of Class "B" with 2% calcium chloride (168 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" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 228sks. of Class "B" cement with 4% gel, 1/4 cu.ft. of fine gilsonite per sack and 0.6% Halad-9 (403 cu.ft. of slurry, 70% excess to circulate liner).