# SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425.

# 30-039-31479 5. LEANE DESIGNATION AND SERIAL NO.

UNITED STATES						
DEPARTMENT	OF	THE	INTERIOR			

APPLICATION							Contract 8	
In myre on work	APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					G. IF INDIAN, ALLOTTEE OR TRIBE NAM		
	ILL X	DEEPEN		PLUC	G BACK		Jicarilla 7. UNIT AGREEMENT:	Apache
	VELL X OTHER			INGLE	MULTIPLE ZONE		8. FARM OR LEASE NA	ME
2. NAME OF OPERATOR	THE CAN CLEAN			,	ZONE		Indian "A"	
Northwest 1	Pipeline Corpor	ation					9. WELL NO.	
3. ADDRESS OF OPERATOR	Treating output	<u>aczon</u>		·			3	
At surface 148	0 - Farmington, Report location clearly and 85' FSL & 1080'		Sith any S	7401 State requirements	s.*)		Choza Mesa 11. sec., T., R., M., OR AND SURVEY OR A	- PC F
At proposed prod. 201	ne	• ,						
As above	AND DIRECTION FROM NEA	PEST TOWN OR POS	er orric	r*			Sec. 29, T29	N, R3W
	me simulation know man	inegi ioni on ro	31 UII.C	-				•
15. DISTANCE FROM PROP	OSED*		1 16. NO	O. OF ACRES IN LI	EASE I	17 NO 0	Rio Arriba	N.M.
LOCATION TO NEARES	LINE, FT.	10001				тоті	HS WELL	•
(Also to nearest dr. 18. DISTANCE FROM PROI	g. unit line, if any)	1080'	10	NA		94) 7.2	160	
TO NEAREST WELL, D	ORILLING, COMPLETED,	3.T. A	19. Pf	19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show wh		NA	<u> </u>	4084	- <u></u>	Rotary		
41. ELEVATIONS (Show Wh		OF CD					22. APPROX. PATE W	
7108 GR				·.	<u> </u>		Aug. 26, 1977	
۷۰).	1	PROPOSED CASI	NG ANI	D CEMENTING 1	PROGRAM	[		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	FOOT	SETTING DEF	тн		QUANTITY OF CEME	NT
12 1/4"	8 5/8"	24#		120	•		85 sks.	
6 3/4"	2 7/8"	6.4	4#	4084	<del>-                                    </del>		120 sks.	
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A A1  Th  IN ABOVE SPACE DESCRIB  Zone. If proposal is to preventer program, if ar	BOP will be ins 1 subsequent wo e SW/4 of Section of Section PROGRAM: If drill or deepen direction	talled afterk will be on 29 is do	er th done edica	e surface through B	casing OP. s well	is so	et & cemented	ed new produ hs. Give blo
A A1  Th  IN ABOVE SPACE DESCRIBE zone. If proposal is to	BOP will be ins 1 subsequent wo e SW/4 of Section of Section PROGRAM: If drill or deepen direction	talled afterk will be on 29 is do	er th done edica	e surface through B	casing OP. s well	is so	et & cemented	ed new produ hs. Give blo
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IN ABOVE SPACE DESCRIB zone. If proposal is to preventer program, if ar 24.	BOP will be ins 1 subsequent wo e SW/4 of Section of Section PROGRAM: If drill or deepen direction	talled afterk will be on 29 is de	er th done edica	e surface through B	casing OP. s well	is se	et & cemented	ed new products. Give bloom
IN ABOVE SPACE DESCRIB zone. If proposal is to preventer program, if ar 24.	BOP will be ins  1 subsequent wo  2 SW/4 of Section  3 Be PROPOSED PROGRAM: If  drill or deepen direction  1 Mattery  P. Slattery	talled afterk will be on 29 is de	er th done edica	e surface through B	casing OP. s well the on wires and the sand	is se	et & cemented	ed new products. Give bloom

All distances must be from the outer boundaries of the Section

Operator			Lease	e		Well No.	
Northwest 1	Pipeline Corpo	oration	LI	ndian "A"			
Unit Letter	Section	Township	ļ F	Range	County		
Actual Footage Loc	2)	<b>2</b> 9N		3WI	Rio Arriba		
11.85		uth line and	٦	080 feet	from the West	1)	
Ground Level Elev.	Producing For	<del></del>	Pool	OGO reet		line itad Acreage:	
7108	Pictured	Cliffs		Choza Mesa		160 Acres	
1. Outline th	e acreage dedicat	ted to the subject w			hachure marks on the plat	below.	
2. If more the interest an	an one lease is ad royalty).	dedicated to the wel	l, out	line each and iden	atify the ownership thereof	(both as to working	
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 an	swer is "yes;" type o	of con	solidation		· · · · · · · · · · · · · · · · · · ·	
		owners and tract desc	criptio	ns which have act	tually been consolidated. (	Use reverse side of	
	f necessary.)						
					onsolidated (by communiti n interests, has been appro		
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		Sec	<del></del> -			/	
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	Contrac	t 81	/			that the well location at was plotted from field	
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<b>3</b>	ļ.		- (	25 60	M. under my supervi	sion, and that the same	
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				1	Date Surveyed \ March 20.	1077	
	1837			!	Registered Profess		
				 	July of Edita Survey	is	
					Fred R Vo	ř. Jr.	
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- 550 660	1010 1980 198	2510 2040 200		1500 1000 50	0 0 1 3950		

#### OPERATIONS PLAN

#### Indian A #3

I. LOCATION: NW/4, SW/4, Sec. 29, T29N, R3W LEASE NUMBER: Contract 81

FIELD: Choza Mesa PC ELEVATION: 7108' GR

II. GEOLOGY:

A. Formation Tops:

Ojo Alamo: 3378' Total Depth: 4084'

Kirtland: 3544'
Fruitland: 3652'
Pictured Cliffs: 3798'

B. Logging Program: I-ES and Density at T.D.

C. Coring Program: None

D. Testing Program: None

#### III. DRILLING:

A. Anticipated starting date and duration of activities: Aug. 26, 1977

B. BOP: Blind rams and pipe rams, 10', 900 series, double gate, rated at 3000 PSI.

C. Mud Program:

a) Supd Mud: Water, lime and gel.

b) Surface to 3450

Starloss: CMC mud.

Viscosity: 25-30 sec/qt.

Weight: 8.9-9.0 #/gal.

Water Loss: 7-12 cc

Ph: 8.5-9.5

c) From 3450 to 4084

Starloss: CMC Hy-gel mud

Viscosity: 38-80 sec/qt.

Weight: 9.0-9.5 #/ga.

Water Loss: 6-8 cc

Ph: 8.5-9.5

IV. MATERIALS:

A. Casing Program:

Hole Size	Depth O.H.	Casing Size	Wt. & Grade	Depth Set
12 1/4"	120'	8 5/8"	24# K-55	120'
6 3/4"	4084 <b>¹</b>	2 7/8"	6.4# K-55	4084 <b>¹</b>

## V. CEMENTING:

A. Surface Casing 8 5/8" - Use 85 sks. Class "B" cmt. with 1/4# flocele/sk. and 3% calcium chloride (100% excess to circ.).

WOC 12 hours. Test surface csg. to 6000 PSI for 30 minutes.

Operations Plan Indian A #3 Page 2

B. Production Casing 2 7/8" - Use 70 sacks 65/35 poz with 10% gel and 1/4 cu. ft. fine gilsonite/cu. ft. slurry and tail in with 50 sacks Class "B" cement with 2% calcium chloride. WOC 0 hrs Run temperature survey after 12 hours.

NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

for the Indian "A"

Well Number 3

- 1. Existing Roads: See attached topographic map. All existing roads used, shall be maintained in a serviceable condition at all times during the drilling operation.
- 2. Planned Access Roads: See attached topographic map. Maximum grade is approximately 1%. The road surface will not exceed twenty feet in width. Upon completion of drilling operations the access road will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary. All activities will be confined to the access road and drill pad.
- 3. Location of Existing Wells: See attached topographic map.
- 4. Location of Tank Batteries; Production Facilities; and Production, Gathering and Service lines: See attached topographic map for locations of existing and proposed gas gathering lines.
- 5. Location and Type of Water Supply: Water needed for the drilling operation will be hauled from the Jicarilla Tapacito Water Hole located in the SE/4 17, T26N, R4W.
- 6. Source of Construction Materials: No additional materials will be needed.
- 7. Methods for Handling Waste Disposal: All garbage, debris, and trash will be burried at least three feet deep. A portable toilet will be supplied for human waste. After drilling operations have been completed the reserve pit will be fonced and the liquid portion will be allowed to evaporate before the location is cleaned up and leveled. The earthen pits will not be located on natural drainages and will be constructed in such a manner so that they will not leak. Any evaporator pit containing toxic liquids will be fenced.
- 8. Ancillary Facilities: There will be no camps or airstrips associated with the drilling of this well.
- 9. <u>Well Site Layout</u>: See attached location layout sheet. There will be a drainage ditch above the cut slope.
- 10. Plans for Restoration of the Surface: Upon completion of drilling, the location will be cleaned, and leveled so that no cut or fill banks will be steeper than 3:1.

All of the area disturbed in connection with the drill site will be seeded as close as possible for any above ground equipment while still allowing for access to the equipment. Seeding will be done within one year after drilling is completed and during the period from July 1 through September 15. Seeding will be done with seed Mixture #1.

All equipment above ground will be painted a non-glare, non-reflective, non-chalking color that simulates the natural color of the site. For this well code number 595-34127, Green.

11. Other Information: If, during operations, any historic or prehistoric ruin, monument or site, or any object of antiquity is discovered, then work will be suspended and the discovery will be reported to the District Manager of the BLM.

When drilling with gas, the line used to discharge and burn off the gas will be located so as not to damage vegetation in the area, and if necessary an earthen screen will be constructed to protect the vegetation. All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

Multi-Point Surface Plan Indian "A" #3 Page 2

The area covered by the location and proposed access road is gently sloped with scattered brush and some grasses.

12. Operator's Representative: J.P. Slattery, P.O. Box 90, Farmington, N.M., 87401, Phone: 327-5351 Extension 62.

## 13. Certification:

I hereby certify that I 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 Northwest Pipeline Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-14-n-1 Date

Drilling Engineer

JPS/dd

CORPORATION

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LOCATION

NORTH WEST

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