SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side) UNITED STATES

\	UNIT DEPARTMENT	ED STATES OF THE INT	ERIOR reverse at	de) 	36-639-27 5. LEASE DESIGNATION	-500 and serial No.	
		GICAL SURVEY					
APPLICATION	FOR PERMIT T	O DRILL, DEE	PEN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE Jicarilla Apa		
=	L 🗆	DEEPEN	PLUG BAC	ск 🗆 🏻	7. UNIT AGREEMENT NA		
D. TYPE OF WELL	S X OTHER		SINGLE MULTIP	TE	S. FARM OR LEASE NAM	Е	
2. NAME OF OPERATOR	th. 22 other				Jicarilla 92		
Northwest Pip	eline Corporat:	ion			9. WELL NO.		
3. ADDRESS OF OPERATOR			_	ŀ	16 10. FIELD AND POOL, 0	R WILDCAT	
P.O. Box 90,	Farmington, New	w Mexico 8740	l ny State requirements.*)		Blanco Mesa '	Verde	
At surface	FNL & 800 FWL				11. SEC., T., B., M., OR E	LK.	
		3ec 30 127	N KSW		Sec 30 T27N		
At proposed prod. zone	Same a	s above					
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OR POST OF			12. COUNTY OR PARISH		
45 miles sout	heast of Blanc	o, New Mexico	NO. OF ACRES IN LEASE	17 NO. 0	Rio Arriba	New Mexic	
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT. , unit line, if any)	800'	N/A2489.56	TO TH	320 301,8	3 <u>6</u>	
18. DISTANCE FROM PROPORTO NEAREST WELL, DE	HLLING, COMPLETED,	N/A	. PROPOSED DEPTH	1 _	tary		
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show whe	S LEASE, PT.		0420	1	22. APPROX. DATE WO	RK WILL START	
	220' GR				September 19	80	
23.		PROPOSED CASING	AND CEMENTING PROGR	AM			
		 			QUANTITY OF CEMES	······································	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	-	115 sks		
12-1/4"	9-5/8"	36	4355'	-	155 sks		
8-3/4" 6-1/4"	4-1/2"	10.5#	4155' - 6420'	_	230 sks		
		-	•	1		,	
Selectively portion pl	erforate and st ans will be det	imulate the Permined at To	Mesa Verde Format Stal Depth.	ion.	OF	ne.	
A BOP will be work will be	installed afte	er the surface	e casing is set a	nd ceme	ented. All SFO		
The North hal	f of Section 30	is dedicated	l to this well.	: **	OIL CON. CON. CO.	1980	
Gas is dedica	ted.	•		1 140	ST 3	OM.	
in above space describe zone. If proposal is to preventer program, if an	drill or deepen direction	proposal is to deepen ally, give pertinent d	or plug back, give data on ata on subsurface locations (present proc and measure	ductive zone and propos of and true vertical dept	nd new productive	
24.			D :11:		numm Tur	na 6 1980	
SIGNED Faul	I C. Thompson	TITLE	Drilling Engine	::1			
(This space for Federal	eral or State office use)						
PERMIT NO.			APPROVAL DATE		V. Lind first tree &	/	

APPROVED BY _ CONDITIONS OF APPROVAL, IF ANY :

*See Instructions On Reverse Side

DISTRICT ENGINEER

and the second of the second o

write pure

OIL CONSERVATION DIVISION

P. O. BOX 2088

. SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-78

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

			All distance	a must he fro					Well No.	
Operator JIC-RILIA 92							16	•		
NORTHWEST PIPELINE CORPORATION			JICARILLA 92							
Unit Letter	Section	1	Township		3W		Rio A	rriba		}
E	3		27N							
Actual Footage Loc		,	In m+h		800	· ·	t from the W	est	line	
1670		ioni ine	North	line and	Pool				Dedicated Acreage:	2.5
Ground Level Elev.	'	Producing For	Verde			Mesa Verd	-la	1	320 30h l	SS Acres
7220		mesa	verde		11 1 la	riesa ver	r hachure m	arks on th	e plat below.	
 Outline th 	e acre	age dedica	ted to the	subject we	il ph colo	red pencir o	i nachate n		e plat below.	
			1 1 . 1	A. Alaall	l autlina a	ach and ide	ntify the ov	wnership th	nereof (both as to	working
2. If more th	an on	e lease 18	dedicated	to me wen	i, batime c	acii taita i	,	•		
interest ar	nd roye	ilty).						ilitada biri	Least Completion	13 14
		lease of d	ifferent ow	nership is	dedicated (to the well,	have the in	terests of	all owners been	consoli-
3. If more the	an one	itiantion 1	nitization	force-pooli	ng. etc?					
dated by c	commun	nilzation, t	inter Edition,	io. o. p	J			MAT	2 6 1980 · ·	
☐ Yes		lo If a	swer is "	es," type o	f consolid	ation				
									を対象が見れるできます。	•
If answer	is "no	" list the	owners and	l tract desc	riptions w	hich have a	ctually been	n consolid	ated. (Use revers	e side oi
			ed to the w	ell until al	linterests	have been	consolidate	d (by com	munitization, un	Commis-
forced-poo	ling, o	t otherwise	or until a	non-standar	d unit, eli	ninating suc	ch interests	, has been	approved by the	Commis-
sion.										
		A Section Sections		is displayed frage the	The second second	a service and their	ं देशका संस्थित		CERTIFICATION	
	Section Section 5	Santa S			ļ		菱		÷	
2			1		1		\$	I hereby	certify that the infor	nation con-
									rein is true and comp	
5	•	i			; 1		49.03	best of m	y knowledge and beli	lef.
070		I			i			DO	1-0	
i i		i I ·				۵	75.	Taul (- Incare	2(84)
		! !	.· l		i			The state of the s	. Thompson	
						ſ		Padin	i i i i i i i i i i i i i i i i i i i	
800						1 :		7 i 1i	Engineer	
0	•	!			1 1	$-1 \odot_{\mathcal{O}}$		-Сопроту	<u> </u>	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		!			i	1		Nor hw	rest Pipeline	Corp.
 		!	,			, j	1 10 04	Date		
		1 0	ec.		1	1		May 28	3, 1980 <u> </u>	··
		1 D	20 ·	e naporaje viljegijesti e s	والمتعارض والمتعارض والمتعارض	नेहराकेल के लगा का जिस्साने देखा ।				•
Berger Server and Care Server	25 -4 1 100	l		<u> </u>			• 1			
]]		! !		30	1 1		.		certify that the w	
		ì			i				n this plot was plotte	
		i					. 1	notes of	octual surveys mad	le by me or
		1			; !				y supervision, and th	
11					1				and correct to the	best of my
		1			ļ			knowled	ge and belief.	
		+						l · .		
		i :			1	,				
		i						Date Surve	- Cabally	
		1						May		
		1		1		l			Professional Engine	<u> </u>
		1					ļ	121	12-11	
11	•	1				l	- 1	Fred	WB Karr Jr	7
11		J		1		L		Centificate		#
	-						1.1.1.1.	3950	The State of the S	
0 230 660	.90	1320 1650 1	20 2310 24	340 20	00 1500	1000	500 0	1 2770		

NORTHWEST PIPELINE CORPORATION

DRILLING PROGNOSIS

Jicarilla 92 #16

DATE: June 16, 1980

800' FWL & 1670' FNL LOCATION:

ELEVATION: 7220 GR

Sec 30 T27N R3W

Rio Arriba Co., New Mexico

SURFACE: Indian

MINERALS: Jicarilla Tribe

Contract #92

FIELD: Blanco Mesa Verde

II. GEOLOGY: Surface Formation - San Jose

A.	Formation Tops:	Depth	Formation Tops	Depth
л.	Ojo Alamo	3470'	Lewis	4155 '
	Kirtland	3675'	Cliff House	5765 '
F		3855 1	Menefee	5840'
	Fruitland Pictured Cliffs	4030 t	Point Lookout	6150
	Pictured Cillis	4030	Total Depth	6420'

B. Logging Program: Production Casing Point - Gamma Ray-Induction and Density.

C. Natural Gauges: Gauge at last connection above 5840', 6150', and at Total Depth. Gauge any noticeable increases in gas flow @ depth other than those noted above. Record all gauges on daily drilling and morning reports.

Drilling: III.

- A. Contractor:
- B. Mud Program: Mud, water and gas will be furnished by Northwest Pipeline Corporation from Surface to Total Depth.
 - a) From Surface to Intermediate casing depth to be drilled with mud.
 - b) From Intermediate casing to Total Depth to be drilled with gas.
- C. While drill pipe is in use the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. All tests will be reported in the Northwest Pipeline tour reports as to time and date.

IV. Materials:

A. Casing Program Hole Size 12-1/4" 8-3/4"	Depth 0.H. 200' 4355'	Casing Size 9-5/8" 7"	WT & Grade 32.3# H-40 20# K-55	4155' - 6420')
8-3/4 6-1/4''	6420 '	4-1/2"	10.5# K-55 (4	4155' - 6420')

- B. Float Equipment:
 - a) Surface Casing: 9-5/8" B&W Regular Pattern Shoe.
 - b) Intermediate Casing: 7" Dowell guide shoe (Code #50101-070) and self fill insert float collar (Code #53003-070). Seven centralizers (Code #56011-070) spaced every other joint above the shoe. Place float one joint above shoe.
 - c) Liner: 4-1/2" Larkin geyser shoe (Fig 222) and Larkin Flapper type float collar (Fig 404). Burns liner hanger with neopreme pack off.
- C. Tubing Program: 6400' of 2-3/8", 4.7#, EUE, J-55 tubing with seating nipple on top of bottom joint. Expendable check valve on bottom.

D. Well Head Equipment: WKM Well Head. WKM representative to set slips and Make cut off.

V. Cementing:

Surface Casing: 9-5/8" - Use 115 sks of Class "B" with 1/4# gel flake per sk and 3% CaCl₂ (100% excess to circulate). WOC 12 hrs. Test surface casing to 600 psi for 30 min.

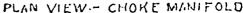
Intermediate Casing: 7" - Use 80 sks of 65/35 poz with 6% gel. (Yield -В. 1.63). Tail in with 75 sks Class "G" with 2% CaCl, (65% excess to cover Ojo Alamo). WOC 12 hrs. Run temp survey at 8 hrs. Test casing

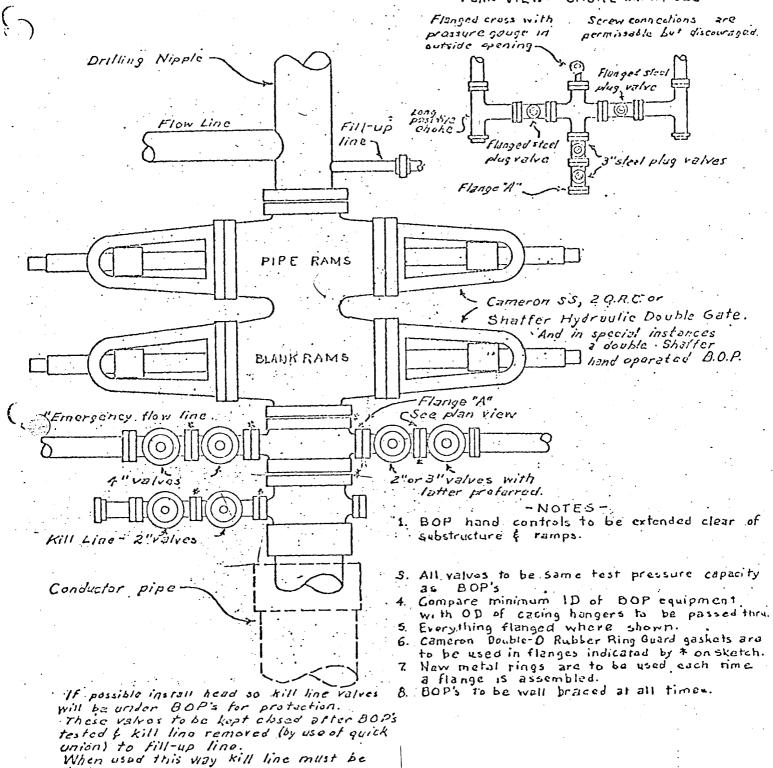
to 600 psi.

C. Production Liner: 4-1/2" - Use 230 sks of Class "B" with 4% gel and 1/4 cu.ft of fine Gilsonite per sk. Precede cement with 20 bbls water mixed with 3 sks gel. (70% excess to circulate liner). Clean out with 6-1/4" bit to top of liner and pressure test with rig pump. (Test 12 hrs after plug is down). Lay down drill pipe and run 3-7/8" bit on 2-3/8" EUE tubing and clean out liner. Perforate 18 hrs after plug is down.

Original: Well File

sc: Regular Distribution





SINGLE PIPE RAM
BLOWOUT PREVENTOR HOOKUP

high - prossure.

(, ":")

- 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 Water hole.
- 6. Source of Construction Materials: No additional materials will be needed.
- 7. Methods for Handling Waste Disposal: All garbage, debris, and trash will be buried 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 fenced 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. Well Site Layout: 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.

All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

Page 2

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.

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

- 12. Operator's Representative: Paul Thompson P.O. Box 90 Farmington, New Mexico 87401. Phone: 327-5351 Extension # 115
- 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.

Paul Thompson Drilling Engineer

WJB/ch

NOSTHULEST PIPELINE CORPORATION
LOCATION LAYOUT SICARILLA 92 #1

RESERVE PIT MUD THINKS MUD 816 2,2,, PIT ,०इट

DATE: 6/11/80

