SUBMIT IN TRIPLICATE.

UNITED STATES
DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

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LEASE	DESIG:	MOITAN	AND S	ERIAL	SO.

		SICAL SURVE					6. IF INDIAN, ALLOTTE	C OF TRIBE NAME
APPLICATION	FOR PERMIT T	O DRILL, [DEEPE	N, OR PI	UG B	<u>ACK</u>	o. IF ISDIAS, ALEOTTE	2 OF TEIRS HENN
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							7. UNIT AGREEMENT	AME
	L 🛛	DEEPEN [PLC	G BAC	.к 🗀	San Juan 32	_g Unit
b. Type of Well			\$13 20	NGLE X	MULTIPE	. Е	S. FARM OR LEASE NA	
2. NAME OF OPERATOR	LI. X OTHER			<u> </u>			San Juan	32-8 Unit
	alina Componeti	ion					9. WELL NO.	
MORTHWEST PIDS	eline Corporati	<u> </u>					#42	
P O Boy QO	Farmington, New	v Mexico 87	401				10. FIELD AND POOL,	OR WILDCAT
P.O. Box 90. 4. LOCATION OF WELL (Re	ort location clearly and	in accordance wit	h any S	tate requiremen	ts.")		Blanco Mesa	
810' I	NL & 1750' FEL	Sec 10 '	T31N	R8W			AND SURVEY OR A	REA
At proposed prod. zone	Same as above	9		•		•••	Sec 10 T31	n R8W
14. DISTANCE IN MILES A	THE PROPERTY OF THE PARTY OF TH	SET TOWN OR POS	T OFFICE	•	 		12. COUNTY OR PARISE	
	ith of Ignacio		. ,,,,,,,	-			San Juan	New Mexi
15. DISTANCE FROM PROPOS		COTOTAGO	16. NO	. OF ACRES IN	LEASE	17. NO.	OF ACRES ASSIGNED	THEN MAN
LOCATION TO NEAREST PROPERTY OR LEASE LI		310 '		N/A	no	10.	7320	•
(Also to nearest drig.	unit line, if any)		19. PR	OPOSED DEPTH	120	1	CARY OR CABLE TOOLS	
TO NEAREST WELL, DR OR APPLIED FOR, ON THE	ILLING, COMPLETED,		61	.50		Rotary		
21. ELEVATIONS (Show whe			<u>' </u>			·	22. APPROX. DATE W	OBE WILL START
6738' GR							Sept 1980	
23.	3	PROPOSED CASI	NG ANI	CEMENTING	PROGRA	м		
	SIZE OF CASING	WEIGHT PER F	OOT	SETTING D	EPTH	T	QUANTITY OF CEMI	:NT
SIZE OF HOLE				2001			115 CIRCULATE	
12-1/4" 8-3/4"	<u>9-5/8"</u>	36# 20#		4040'			275 05 1	
6-1/4"	4-1/2"	10.5#		3840' -	6150'		2/5	0/
	· - , -	1		I		ı	MITTER	- 1
Completion pl	perforate and s ans will be de	termined at	t Tot	al Depth.			JUL 23 19 OIL CON C DIST.	3
work will be	conducted thro	ugh the BO	P's.		!		1	
WOIR WIII DO	00				· Back	Same Same	A STATE OF THE STA	
The east hal	f of Sec 10 is	dedicated	to th	nis well.				
							in the latest the late	
Gas is dedica	ted.							
U. C. GARANTAN, Marin								
The state of the s								
IN ABOVE SPACE DESCRIPS zone. If proposal is to preventer program, if an	drill or deepen direction	proposal is to decally, give pertinen	epen or nt data	plug back, give on subsurface	data on pocations a	resent pr nd measu	oductive zone and propered and true vertical dep	sed new producit oths. Gire blowd
24.				D-4114	Engin		T	. 5 1000
BIGNED Faul	C. Thony	7501 T	1TLE	Drilling	LIBTI I	561	DATE JUILE	5, 1980
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PERMIT NO.				APPROVAL DAT			APPROVED	
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CONDITIONS OF APPROX	AL, IF ANY:			1000		1	0 4 4000	
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who 3ruh			, ,			1	LAMES F. SIMS	1
wh your		*See Inst	ruction	s On Revers	Side	1 -	DISTRICT ENGINE	ER
V						 	DIGITIO	 -

THE STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

SANTA PE, NEW MEXICO 87501

MAY 1 9 1980

Operator Legse Well No.								
0								
NORTHWEST t	NORTHWEST PIPELINE CORPORATION 11 Letter Section Township			Range County			1 44	
В	10	31N		8w		San	Juan	
Actual Footage Loca								
810	feet from the	North 11	ne and 1	750	feet	from the	East	line
Ground Level Elev.	Producing For		Pool					Dedicated Acreage:
6738	Mesa V			<u>anco Mes</u>				320 Acres
1. Outline the	e acreage dedica	ted to the subj	ect well by	colored pe	encil or	hachure	marks on th	ne 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).							
	n one lease of dommunitization, v				well,	nave the i	interests of	all owners been consoli-
X Yes	☐ No If a	swer is "yes;"	type of cons	solidation .	Ū	mitizat	ion	·
		•				. 12 1	1.1	1 (17
		owners and trac	t description	ns which h	ave ac	tually be	en consolida	ated. (Use reverse side of
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	l .	₹ *	10				1 hereby	certify that the well location
	1			1/	V1.	3 1980 OM	shown on	this plat was plotted from field
	1	Ž .		10/1	درک		notes of	actual surveys made by me or
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							113	#ERR 12.

NORTHWEST PIPELINE CORPORATION

DRILLING PROGNOSIS

San Juan 32-8 Unit #42

DATE: June 16, 1980

I. <u>LOCATION</u>: 810' FNL & 1750' FEL

ELEVATION: 6738' GR

Sec 10 T31N R8W

SURFACE: BLM

San Juan Co., New Mexico

MINERALS: FED SF - 079004

FIELD: Blanco Mesa Verde

II. GEOLOGY: Surface Formation - San Jose

A.	Formation Tops:	Depth	Formation Tops	Depth
	Ojo Alamo	2383	Lewis	3838'
	Kirtland	2458 '	Cliff House	5598 '
	Fruitland	3245 '	Menefee	5 653 '
	Pictured Cliffs	3608¹	Point Lookout	5947 '
			Total Depth	6150'

- B. Logging Program: Production Casing Point Gamma Ray-Induction and Density.
- C. Natural Gauges: Gauge at last connection above 5653', 5947', 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.

III. Drilling:

- 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	Depth O.H.	Casing Size	WT & Grade
12-1/4"	200'	9-5/8"	32.3# H-40
8-3/4"	40 40 '	7''	20# K-55
6-1/4"	6150'	4-1/2"	10.5# K-55(3840' - 6150')

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: 6100' 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:

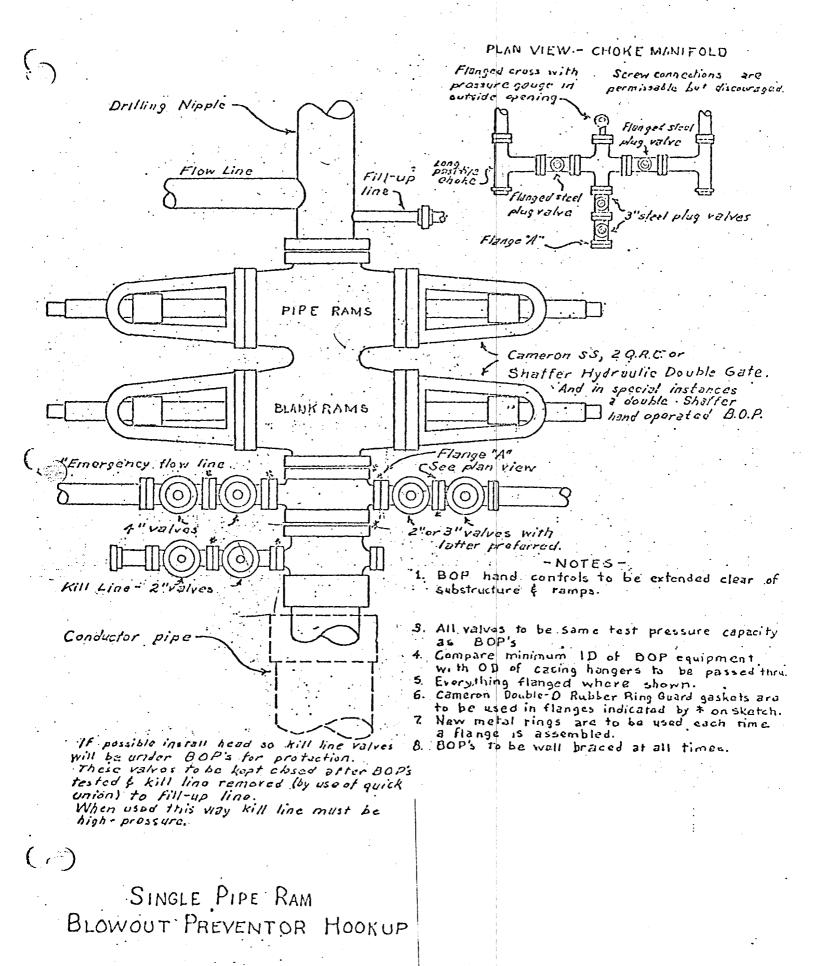
- A. Surface Casing: 9-5/8" Use 115 sks of Class "B" with 1/4# gel flake per sk and 3% CaCl₂ (100% excess to circulate). WOC 1? hrs. Test surface casing to 600 psi for 30 min.
- B. Intermediate Casing: 7" Use 200 sks of 65/35 poz with 6% gel. (Yield 1.63). Tail in with 75 sks Class "G" with 2% CaCl, (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 235 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.

F. H. Wood

MJT/djb

Original: Well File

sc: Regular Distribution



- 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 Pine River.
- 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.

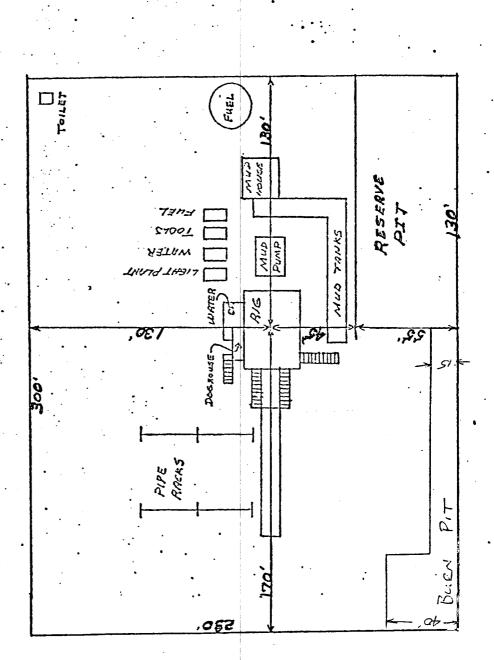
- 12. Operator's Representative: Paul Thompson P.O. Box 90 Farmington, New Mexico 87401. Phone: 327-5351 Extension # 115
- 13. Certification:

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

LOCATION LAYOUT



DATE: 6/9/80 SCALE: 1 CM = 20

