# SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

Rudget Burcau No. 42-R1425

DEPARTMENT OF THE INTERIOR						5. LEASE DESIGNATION AND SERIAL NO.		
GEOLOGICAL SURVEY						NM 012 <b>69</b> 8		
APPLICATION	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
1a. TYPE OF WORK								
	LL X	DEEPEN		PLUG BAC	CK □	7. UNIT ACRESMENT NAME		
oir 🗀								
WELL W 2. NAME OF OPERATOR	ELL XJ OTHER			ZONE LU ZONE		San Juan 29-6 Unit		
Northwest P	'ipeline Corpora	tion				9. WELL NO.		
					-	110		
P.O. Box 90	- Farmington,	New Mexico	th any	37401 State requirements.*)		10. FIELD AND POOL, OR WILDCAT		
At surface	7/0 201' FNL & 1000				}-	Blunco- Pictured Cliff:		
At proposed prod. zon		FEL			1	AND SURVEY OR AREA		
As above						Sec. 1, T29N, R6W		
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POS	T OFF	ice*		· ·		
15. DISTANCE FROM PROPO	DSED*		16.	NO. OF ACRES IN LEASE	17, NO, OI	Rio Arriba   New Mexico		
LOCATION TO NEAREST PROPERTY OR LEASE I	INE, FT.			NA	то тн	1 <del>15.0</del> 5 //5.3/		
(Also to nearest drig 18. DISTANCE FROM PROP	OSED LOCATION*			PROPOSED DEPTH	20. ROTAR	Y OR CABLE TOOLS		
TO NEAREST WELL, D OR APPLIED FOR, ON TH		NA 3		3599 <b>'</b>	Ro	tary		
21. ELEVATIONS (Show who						22. APPROX. DATE WORK WILL START*		
	514 GR					Sept. 15, 1977		
23.	P	ROPOSED CASI	NG AN	ND CEMENTING PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	R FOOT SETTING DEPTH			QUANTITY OF CEMENT		
	12 1/4" 8 5/8" 24#_H				85 sks.			
6 3/4"	2 7/8"	6.4# K-55		3599'		240 sks.		
A BO	P will be insta	alled after	the	te the Pictured surface casing ions will be con	has be	en run and		
the	BOP.			03.35				
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The	NEX4 OF Section	I I IS GEGI	.care	ed to the vell.		(		
Gas	is dedicated.			OIL CON	1971	All the Same		
				IUNS	$^{CO_{U_{i}}}$ .	1		
					73	/		
				Coin Dia	)' /			
	drill or deepen directions					active zone and proposed new productive and true vertical depths. Give blowout		
24.	D .				<del></del>			
BIGNED	. 1 Statley		TLE	Drilling Engine	er	_ DATE JUNE 17 1977		
(This space for Fode	Slattery eral or State office use)							
time share for rede	or state ource use)							
PERMIT NO.		····		APPROVAL DATE				
ADDROVER BY		<b></b>	T F			DATE		
CONDITIONS OF APPROV	AL, IF ANY:	Tr	TLE			VALU		

JPS/ch // Dec NWA

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# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes G-128 Effective 1-1-65

			All distances :		om the outer boun	CRLIGE OF	i the Section.	<del></del>	Well No.
Operator  Morthwest Pipeline Corporation				l <sub>r</sub>	San Juan 20-6 Unit			110	
		ne Corp			San Juar Ronge	1 67/~	County		
Unit Letter	Section		Township				1	mika	
G	<u> </u>		29N		6.ī		Rio Ar	zii ba	
Actual Footage Lo					T 000		-	71	•
<u> 1910</u>		m the No		ine and	1000	fee		ast	line Delicated Agranging
Ground Level Elev	v. P	roducing Fo	rmation	P	Pool		•		
6511	מ	ietured	Cliffs		Blanco	- Pic	ctured Cli	ffs	115:05 Acres
1. Outline 2. If more interest 3. If more t dated by  Yes  If answe this form	the acres than one and royal than one communi  No ir is "no, if neces	lease is ty).  lease of tization,  list the sary.)  be assig	mation Cliffs ated to the sub different owners unitization, force answer is "yes; owners and tra ned to the well e) or until a non-	oject well, the well, ship is d ce-poolin type of act descr until all standard	by colored poutline each edicated to the edica	- Pice pencil and ide well, have a been ting su	wito ctured Cli or hachure m entify the ow , have the intercept the consolidated	ffs arks on the reship terests of the reship tained the strong trained trained the strong trained tra	
<u> </u>		1		1	e e proposition proceso de la pro-		-	1 hereb	y certify that the well location
		•			<u>.</u>	1			on this plat was plotted from fiel
1			J.	بعضير م	~:				of actual surveys made by me
1		1	#**				•		ny supervision, and that the son
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					, J. H.	- 1		-	nd Professional Engineer
		1		The second of				and L	and Surveyor
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			l		i			Fred	B. Kerr Or
1		1	1		I			Certifica	le No.

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## OPERATIONS PLAN

Well Name: San Juan 29-6 Unit #110

LOCATION: SW/4 NE/4 Sec. 1, T29N, R6W LEASE NUMBER: NM 012698 I.

FIELD: Blanco - Pictured Cliffs 6514 GR **ELEVATION:** 

GEOLOGY: II.

> Formation Tops: Α.

Total Depth: Ojo Alamo: 25941 3599' Kirtland: 27441

3144' Fruitland: 3449**'** Pictured Cliffs:

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

C. Coring Program: None

D. Testing Program: None

DRILLING: III.

Anticipated starting date and duration of activities: Sept. 15, 1977

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

C. Mud Program:

a) Spud Mud: Water, lime and gel.

Surface to 2700'

Starloss: CMC mud.

25-30 sec/qt. Viscosity: Weight: 8.9-9.0 #/gal.

Water Loss: 7-12 cc

8.5-9.5 Ph:

c) From: 2700<sup>1</sup> To: 3599'

CMC Hy-gel mud Starloss: 38-80 sec/qt. Viscosity:

9.0-9.5 #/gal. Weight:

Water Loss: 6-8 cc

8.5-9.5 Ph:

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"	3599 <b>'</b>	2 7/8"	6.4# K-55	35991

V. CEMENTING:

Surface Casing 8 5/8" - Use 85 sacks of Class "B" cement with 1/4# flocele/sk & 3% calcium chloride (100% excess to circulate). WOC 12 hours. Test surface csg. to 6000 PSI for 30 minutes.

Operations Plan San Juan 29-6 #110 Page 2

# V. Cementing con't.

B. Production Casing 2 7/8" - Use 190 sks. 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 24 hours. Run temperature survey after 12 hours.

JPS/ch

NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

for the San Juan 29-6 Unit

Well Number 110

- 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 adequaely drained to control runoff and soil erosion. Drainage facilities may include ditched, 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 San Juan 29-6 Unit Water Well located in the SW/4 28, T29N, R6W.
- 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 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. <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.

Muli-Poing Surface Plan San Juan 29-6 #110 Page 2

#### 11. con't.

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.

Operator's Representative: J.P. Slattery - P.O. Box 90, Farmington, New 12. Mexico, 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.

June 17 1977
Date

Drilling Engineer

JPS/ch

### KEHABILITATION AGREEMENT

Lease No.: NM 012698	; Well Name and No.: San Juan 29-6 #110
Location: SE & NE & S	ec. 1, T. 29 N., R. 6 V.
	<u>.</u>
Northwest Pipeline Cor	poration Oil Company intends to drill a well on sur-
face owned by Porter	A. Smith . The lessee/operator following rehabilitation work if the well is a producer:
agrees to complete the	following rehabilitation work if the well is a producer:
√X/ Yes // No	Maintain access road and provide adequate drainage to road.
· TX Yes T No	Reshape and reseed any area in excess of the pump and support facilities.
Other requirements:	
other requirements.	
The following work will	be completed when the well is abandoned:
√x/Yes √/No	Site will require reshaping to conform to existing topography.
Yes // No .	Pit will be fenced until dry, then filled to conform to topography.
√X Yes // No	Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:
	Mixture #1
	Access road will be rehabilitated and resceded using
	the same seed mixture as above.
// Yes // No	Access road will remain for landowner's use.
Other requirements:	
***************************************	
Landowner	Operator/Lessee
Name: Porter A. Smi	
Address: 616 E. Blanco	Address: P.O. Box 90
City: Aztec	City: Farmington
State: New Mexico	State: New Mexico Telephone: 327-5351
Telephone: 334-6773  Date: 676/77	and the state of t
Date: 6/6/77	Date: 0/0///
<u>√X</u> / Yes <u>√</u> / No	I certify rehabilitation has been discussed with the
·	surface owner. J. P. Slattery  J.P. Slattery
This agreement covers re	habilifation requirements only and does not affect any

DATE: JUNE 17, 1977 SCALE: 1cm = 20 Tauer TRASH PIT 700E2 Must Forth D RELERVE ۲. د ت 50, Ř 2 70-6 UNIT ,01 644 out SAN JEAN

CORPORATION

DI PEC.126

NORTH WEST

LOCATION