of Frak

# SUBMIT IN TRIPLICATE\*

(Other instructions on

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

reverse	side)	

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3	<u> </u>	039-	22099
5.	LEASE	DESIGNATION	AND SERIAL NO.

JUN 12 1979

HOGICAL SURVEY

	GEOLO	GICAL SURV	EY			NM 012335
APPLICATION	FOR PERMIT T	O DRILL, I	DEEPE	N, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
IA. TYPE OF WORK  DRIL  b. TYPE OF WELL	L X	DEEPEN [		PLUG B	ACK 🗌	7. UNIT AGREEMENT NAME San Juan 30-5 Unit
Off. GAS	LL X OTHER	-		NE X ZON	TIPLE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR		ion				San Juan 30-5 Unit
	peline Corporat					9. WELL NO.
3. ADDRESS OF OPERATOR P.O. Box 90 -	- Farmington, N	N.M. 8740	1			10. FIERD AND PUOL, OR WILDCAT
4. LOCATION OF WELL (Re			th any S	tate requirements.*)		Blanco Pictured Cliffs
At surface	' FWL & 850' F					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zone						AND SURVEY OR AREA
tte proposi a prod. zom.						Sec. 32, T30N, R5W
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	REST TOWN OR POS	T OFFIC			12. COUNTY OR PARISH 13. STATE
NA						Rio Arriba New Mexic
15. DISTANCE FROM PROPOS LOCATION TO NEAREST			16. NO	. OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL
PROPERTY OR LEASE LI (Also to nearest drig.	unit line, if any)	850 <b>'</b>		NA		160
18. DISTANCE FROM PROPO TO NEAREST WELL, OR	HLLING, COMPLETED,	5200 <b>'</b>	1	OPOSED DEPTH		ary or Cable Tools
OR APPLIED FOR, ON THIS 21. ELEVATIONS (Show whet		3200		<del></del>		22. APPROX. DATE WORK WILL START*
6721 G						July 25, 1979
23.		POROSED CASI	NG ANI	CEMENTING PRO	GRAM	
						QUANTITY OF CEMENT
SIZE OF HOLE	8 5/8"	WEIGHT PER F	тоот	150°	90	sks.
12 1/4" 6 3/4"	2 7/8"	6.4#		3800 <b>'</b>		sks.
A BOP will be	erforate and stand installed after the operations we ection 32is decorded.	er the surf	ace o	casing has be	en run a	
zone. If proposal is to opreventer program, if any 24.  Signed S. G. Ka  (This space for Feder	trill or deepen direction:   trigis  cultur State office use)	illy, give pertinen	nt data (	roduction Eng	s and measur	ductive zone and proposed new poductive and true vertical depths. Give blowout DATE 6/4/79
PERMIT NO.				APPROVAL DATE		
APPROVED BYCONDITIONS OF APPROVE		T:	ITI.E			

\*See Instructions On Reverse Side

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### OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO

# P. O. BOX 2088

Form C-107 Revised 10-1-78

NORTHWEST PIPELINE CORPORATION SAN JUAN 30-5 UNIT 69	Continued Lection   Section   Sect	perator		All distances must	Lease	boundaries of t	the Section.		Well No	
It better Section   Township   Pampe   Country    M	Letter   Section   Trownstep   Rossy   Construction of Well		פוספודעה מספו	PORATION	1 -	נוואאז אר ב	' וואודתי		i i	-
Manual February Leastins of Wolf:    Manual February Leastins of Wolf:   Manual February Least from the   Manual February Least from	an Postespa Location of Welli  150 feet from the South the and 900 feet from the West time  150 feet from the Postespa Constant Production Formation in Liveral Claffes Postespa Constant Production Formation Production Formation Production Formation In 150 Ac.  150	nit Letter	<del></del>						09	
MM 012335  MM 01235  MM 01235  MM 01235  MM 01235  MM 01235  MM 01	In protection to will the free from the South line and 900 feet from the Nest line and Level Clee. Produced Clieffs Pool College of the subject well by colored pencil or hacher marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership theoretic front interest and royalty).  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 ete?  3. If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use recovers side this form if necessary).  3. No allowable will be assigned to the well until all interests have been consolidated (Use recovers side the forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization in the store of my home-levels and belief.  3. No allowable will be assigned to the well until all interests have been consolidated (Use recovers side the communitization).  3. CERTIFICATION  3. If hereby certify that the information of the store of my home-levels and belief.  3. No allowable will be assigned to the well until all interests have been consolidated (Use recovers side by my only the store of my home-levels and belief.)  3. If hereby certify that the information of the store of my home-levels and belief.  3. No allowable will be assigned to the well took above on this class was plated the well took above on this class was plated the well took above on this class was plated the well took above on the class of actual to write and convert in the best of home-ledge and belief.  3. Produce it is not belief to the well took above on the least of home-ledge and belief.  3. Produce it is not believe to the best of home-ledge and belief.  3. Produce it is not believe to the best of home-ledge and belief.  3. Produce it is not believe to the well took and the produce the best of home-ledge and belief.  3. Produce it is not beli					_	1	mmiha		
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Presenting Fermation Pictured Cliffs  Pictured Pictur	In answer is "no." Is the owners and tract descriptions which have actually been consolidated (Use reuses side this form if necessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, untitization, force-pooling, etc?  Out assigned to the well until all interests have been consolidated (Use reuses side this form if necessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization or the standard unit, allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization,	_	_	outh	, 900			Wost		
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 the of both and ownership interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been code of dated by communitization, unitization, force-pooling, etc?  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been code of dated by communitization, unitization, in the second of the second	No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, unitization, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization.    I hereby certify that the well footnets of the footnets of the state					A .	et from the			
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 are working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners held consolidated by communitization, unitization, force-pooling, etc?  1. Yes No If answer is "yes," type of consolidation DIST, 3  1. If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use rowners aide this form if necessary.)  1. 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.  1. CERTIFICATION  1. I haraby certify that the information contained herein is true and complete to it best of my knowledge and belief.  1. Name No. 20  2. I hereby certify that the well footitishen, and this role well footitishen, and that the sam is true and assisted by me under my supervision, and that the sam is true and the sam is true and that the sam is true and the sam is true and the sam is true and the the sam is true and the sam is true. And the sam is true and the sam is true and the sam is true and the sam is true. And the sam is true and the sam is true and the sam is true. And the sam is true and the sam is true. And the sam is true and the sam is true. And the sam is true and the sam is true. And the sa	Dutline 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 are ownership in the subject well).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been code dated by communitization, unitization, force-pooling, etc?  3. If answer is "no." list the owners and tract descriptions which have actually been consolidated (Use reuse side this form if necessary.)  3. 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 Communities.  3. Details a provided to the well to constant the provided to t	•	1		1 50.	MARS!	GNAT	<b>≂⊅</b> ,   <sup>™</sup>	_	
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tuletters	Fred & Rerr Jr.	35.	İ			1		and/or Land Sur	القالم حمية	
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						<b>i</b>		Fred d. F	err Jr.	

#### OPERATIONS PLAN

San Juan 30-5 Unit #69

June 4, 1979

I. LOCATION: SW/4 SW/4 Sec. 32, T30N, R5W

LEASE NUMBER: NM 012335

FIELD: Blanco Pictured Cliffs

ELEVATION: 6721' GR

### II. GEOLOGY:

Α.	Formation Tops	Depth:
	Ojo Alamo	2843'
	Kirtland	2995 <b>'</b>
	Fruitland	3364'
	Pictured Cliffs	3675 <b>'</b>
	Total Depth	3800 <b>'</b>

- B. Logging Program: IES & CNL-FDC
- C. Coring Program: None
- D. Testing Program: None

#### III. DRILLING:

- A. Anticipated starting date and duration of activities: July 25, 1979, 2 weeks.
- BOP: Blind rams and pipe rams, 10", 900 series, double gate, rated at 3000 PSI.
- C. Mud Program:
  - a) Spud Mud: Water, lime and gel.
  - b) Surface to 2950'.

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

Water Loss: 7-12 cc Ph: 8.5-9.5

c) From 2950' to 3800'.

Viscosity: 38-60 sec/qt. Weight: 9.0-9.5 #/gal.

Water Loss: 7-12 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"	150'	8 5/8"	24#	K-55	150
6 1/4"	3800 <b>'</b>	2 7/8"	6.4#	J-55	T.D.

Operations Plan
San Juan 30-5 Unit #69
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# V. CEMENTING:

- A. Surface Casing: 8 5/8" Use 90 sks. Class "B" cement with 1/4# flocele per sack and 3% Calcium Chloride (100% excess to circulate). WOC 12 hours Test surface casing to 600 PSI for 30 minutes.
- B. Production Casing: 2 7/8" Use 120 sacks 65/35 poz with 10% gel and 1/4 cu. ft. fine gilsonite per cu. ft. slurry and tail in with 50 sacks Class "B" cement with 2% Calcium Chloride. WOC 12hours. Run temperature survey after 12 hours.

NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

for the

San Juan 30-5 Unit

Well #69

- 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. <u>Location of Tank Batteries</u>; <u>Production Facilities</u>; and <u>Production</u>, <u>Gathering and Service Lines</u>: See attached topographic map for locations of existing and proposed gas gathering lines.
- 5. <u>Location and Type of Water Supply:</u> 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. <u>Wall 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.
  - All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

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.

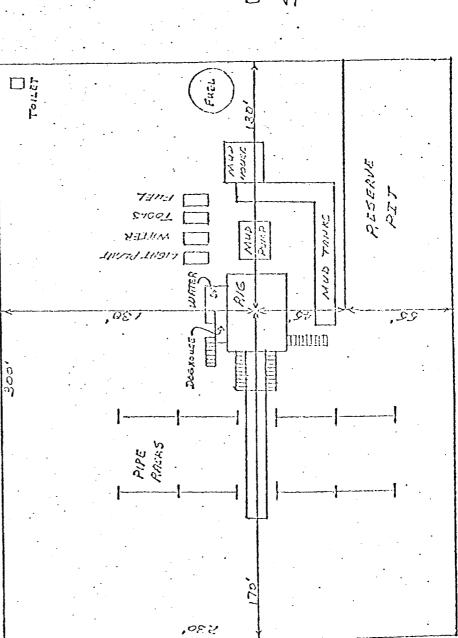
12. Operator's Representative: S.G. Katirgis, P.O. Box 90 - Farmington, New 87401. Phone: 327-5351 Extension #107.

## 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.

Production Engineer

CORP.



OATE: 6-11-79

