SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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ο,	LEASE	DESIG	NATION	AND	SERI	AI.	NO.	

GEOLOGICAL SURVEY	NM_012335
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	6. If INDIAN, ALLOTTEE OR TRIBE NAME.
DRILL X DEEPEN DELUG BACK DEEPEN DEEPEN DOTHER SINGLE MULTIPLE ZONE DELUG BACK DEEPEN	San Juan 30-5 Unit 8. FARM OR LEASE NAME
Northwest Pipeline Corporation	San Juan 30-5 Unit
ADDRESS OF OPERATOR	63
P.O. Box 90 Farmington, NM 87401	10. FIELD AND POOL, OR WILDCAT
At surface 1500' FSL & 1630' FWL	Blanco Pictured Clif 11. SEC., T., R., M., OR BLK. AND SURVET OR AREA
At proposed prod. zone as above	Sec. 31, T30N, R5W
4. DINTANCE IN MILES AND DEECTION FROM NEAREST TOWN OR POST OFFICE*	12. COUNTY OR PARISH 13. STATE Rio Arriba NM
LOCATION TO NEAREST PROPERTY OR LENSE LINE, FT. (Also to nearest drig, unit line, if any) 1010 NA	OF ACES ASSIGNED THIS WELL 160 ACT OF CASLE TOOLS
	Rotary 22. approx. Date work will Start
6608 GR	July 1, 1978
3. PROPOSED CASING AND CEMENTING PROGRAM	
SIZE OF HOLE	grantity of cement 85 sks 250 sks
Selectively perforate and stimulate the Pictured Cliff form A BOP will be installed after the surface casing has been a cemented. All subsequent operations will be conducted that The SW/4 of Sec. 31 is dedicated to this well. Gas is dedicated.	tun and
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug each, give data on present proposal. If proposal is to drile or deepen directionally, give pertinent data on subsurface locations and measureventer program, if any,	eductive zene and proposed new productive and true vertical depths. Give blowo
	ME 5/10/78
CThis space for Federal of State office (180)	
APPROVED BY	DATE
M. Dade	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Surersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section Well No. Operator Lease 63 PIPELINE CORPORATION SAN JUAN 30-5 UNIT NORTHWEST Unit Letter Rio Arriba 31 30N Actual Footage Location of Well: west feet from the South Producing Formation Delicated Acresque: Ground Level Elev. 160 Acres Blanco Pictured Cliff 6608 Pictured Cliffs 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 as to working 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. etc? If answer is "yes," type of consolidation __unitization If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_____ 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of miknowledge and belief. <u>I. Richardson</u> Dale Drilling Engineer Peng my Northwest Pipeline Corp. _5/10/78 | NM 012335 | NM 01235 | NM 0123 I hereby certify that the well location shown as this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. ate Durv ved 500 1500 1000

1320 1650 1980 2310

OPERATIONS PLAN

San Juan 30-5 Unit #63

I. LOCATION: NE/4 SW/4 Sec 31 T30N R5W

LEASE NUMBER: NM 012335

FIELD: Blanco Pictured Cliff ELEVATION: 6608 GL

II. GEOLOGY:

A. Formation Tops:

Ojo Alamo: 2930 Total Depth: 3740

Kirtland: 2933 Fruitland: 3053

Pictured Cliffs: 3572

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:

July 1, 1978 1 week

B. 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 2700

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 2700 to 3740

Starloss: CMC Hy-gel mud Viscosity: 38-80 sec/qt. Weight: 9.0-9.5 #/gal.

Water Loss:

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	1501
6 3/4"	150' - 3740'	2 7/8"	6.4# K-55	3740 '

Operations Plan

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v. CEMENTING:

- A. Surface Casing 8 5/8" Use 85 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 250 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 hours. Run temperature survey after 12 hours.

DER/dd

/ch

NORTHWEST PIPELINE CORPORATION

MULTI- POINT SURFACE USE PLAN

for the San Juan 30-5 Unit

Well Number 63

- 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 run off and soil erosion. Drainage facilities may include ditches, water bars, culverts or any other 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. The pipeline will be constructed adjacent to the access road.
- 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 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 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 layout sheet.
- 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 the site. For this well code number 959-34127, 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.

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

- 12. Operator's Representative: D.E. Richardson, P.O. Box 90 Farmington, New Mexico 87401. Phone: 327-5351 Extension #62.
- 13. Certification:

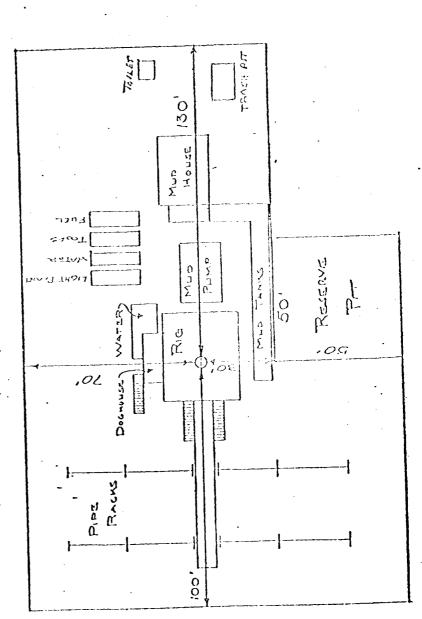
I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will 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.

5/10/78 Date

D.E. Richardson Drilling Engineer

DER/ch

244 out DI PECI 2 F LOCATION



DATE: 05-10-78 202 " Schle: 1cm

