SUBMIT IN TRIPLICATE*

(Other instructions on

reverse side)

Budget Bureau No. 42-R142	Form . Budget	approved Bureau	No.	42-R142
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DEPARTMENT	OF	THE	INTERIOR

5. LEASE DESIGNATION AND SERIAL SF 078231 GEOLOGICAL SURVEY 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL X DEEPEN PLUG BACK 🗌 Cox Canyon Unit b. TYPE OF WELL OIL MULTIPLE ZONE METE ___ WELL X 8. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR Cox Canyon Northwest Pipeline Corporation 9. WELL NO. 3. ADDRESS OF OPERATOR .Com. #19 P.O. Box 90, Farmington, New Mexico 87401 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Blanco-Pictured Cliffs 1125' FNL & 1450' FWL 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA At proposed prod. zone As above Sec. 28, T32N, R11W 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OR PARISH | 13. STATE San Juan New Mexico 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 1125' NA 160 (Also to nearest drlg. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DEILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS NA 3157 Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 6372' GR PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12 1/4" 8 5/8" 24# 150**'** 85 sks. 6 3/4" 7/8" 6.4# 3156 210 sks

Selectively perforate and stimulate the Pictured Cliffs formation.

A BOP will be installed after the surface casing has been run and cemented. All subsequent operations will be conducted through the BOP.

The NW/4 of Section 28 is dedicated to this

Gas is dedicated.

S. GEOLOGICAL SUPPLY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout pre

venter program, if any.			
SIGNED J.P. Slattery	TITLE	Drilling Engineer	DATE
(This space for Federal or State office use)			
PERMIT NO.		APPROVAL DATE	<u> </u>
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE		DATE

JPS/ch

24.

23.

Obaf

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Well No. 19 Cox Canyon Unit Com Northwest Pipeline Corporation Township Section llW San Juan 32N 28 Actual Footage Location of Well: 1150 feet from the line feet from the North line and Dedicated Acreage Ground Level Elev. Producing Formation Pictured Cliffs 160 Acres 6372 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? Communitization If answer is "yes," type of consolidation ___ X Yes ☐ No 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the of my knowledge and belief. SF 078231 #19 1650 D.H. Maroncelli Position Sr. Drilling Engineer Northwest Pipeline Corp. 5-10-77 28 I hereby certify that the well location shown on 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. Date Surveyed May 6, 1977 Registered Professional Engineer and/or Land Surveyor Fred B Certificate No.

2000

1980 2310

1320 1650

500

OPERATIONS PLAN

WELL NAME: Cox Canyon Com. #19

I. LOCATION: 1125' FNL & 1450' FWL LEASE NUMBER: SF 078231

FEILD: Blanco - Pictured Cliffs ELEVATION: 6372'GR

II. GEOLOGY:

A. Formation Tops:

Ojo Alamo: 1847' Total Depth: 3207' Kirtland: 1974' Fruitland: 2772'

Pictured Cliffs: 3087'

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:

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 2950'

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: 2950' To: 3207'

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

Weight: 9.0-9.5 #/gal.

Water Loss: 6-8 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 3/4" 32071 2 7/8" 6.4# K-55 3207

V. CEMENTING:

A. Surface Casing 8 5/8" - Use 85 sks. Class "B" cement with 1/4# flocele/sk and 3% calcium chloride (100% excess to circulate).

WOC 12 hours. Test surface casing to 600 PSI for 30 minutes.

Operations Plan Cox Canyon Com. #19 page 2

V. Cementing con't.

B. Production Casing 2 7/8" - Use 160 sks 65/35 poz with 10% gel and 1/4

cu. ft. fine gilsonite/cu. ft. slurry and tail

in with 50 sks. Class "B" cement with 2% calcium

chloride. WOC 24 hours. Run temperature survey

after 12 hours.

JPS/ch