SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

rorm	approved		
Budget	Bureau	No.	42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

UNITED STATES reverse side) DEPARTMENT OF THE INTERIOR						30-639-21795	
	5. LEASE DESIGNATION AND SERIAL NO.						
1 551 16 1 716 1		GICAL SUR		-		NM 012335 6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
	1 FOR PERMIT	IO DRILL,	DEEPE	N, OR PLUG E	BACK_	The state of the s	
1a. TYPE OF WORK DRI	LL X	DEEPEN		PLUG BA	ск 🗆	7. UNIC AGREEMENT NAME	
b. Type of well						San Juan 30-5 Unit	
OIL GAS WELL X OTHER				NGLE MULTIP	LE L	S. FARM OR LEASE NAME	
2. NAME OF OPERATOR	isalisa Camaama					San Juan 30-5 Unit	
3. ADDRESS OF OPERATOR	ipeline Corpora	ic ton				64	
P.O. Box 90	Farmington, NM	r 87401				10. KIELD AND POOL OR WILDCAT	
4. LOCATION OF WELL (R	eport location clearly and	d in accordance w	ith any S	tate requirements.*)		-Blanco Pictured Cliff	
1450'	FSL & 1630' FE	L				11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zon	2						
as a	above	REST TOWN OR PO	ST OFFICE	₽.●		Sec. 31, T30N, R5W	
14. DISTANCE IN MILES	and Direction From ME	mest form on to				Rio Arriba NM	
15. DISTANCE FROM PROPO			16. NO	OF ACRES IN LEASE		OF ACRES ASSIGNED	
PROPERTY OF LEASE I (Also to nearest drig	ANE, FT. 1	.010		NA		.60	
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*		19. PR	OPOSED DEPTH	20. rotz	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	IS LEASE, FT.	NA		3800	Rot	22. APPROX. DATE WORK WILL START*	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)						
6667 GR		DRADASED GAS	INC AND	A CHARLES AND CAR		July 10, 1978	
	 - · - · -	-,		CEMENTING PROGRA	4.M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH	·	QUANTITY OF CEMENT	
12 1/4"	8 5/8" 2 7/8"	24# 6.4#		120' 3800'		85 sks 250 sks	
0 3/4	2 770	0.41		3000	42	JU SKS	
subsequer	installed after nt operations w of Sec. 31 is edicated.	ill be con	ducte	d through the B			
						- Committee and the committee	
zone. If proposal is to preventer program, if an 24.	drill or deepen direction	ally, give pertine	nt data o		nd measure	ductive zone and proposed new productive and true vertical depths. Give blowout	
(This space for Fede	ral or State office use)					•	
PERMIT NO.				APPROVAL DATE		e e e	
conditions of approv		Т	ITI.E			DATE 1 : 1978	
60 2V	A.					1 1 mm	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-102

Supersedes C-128 WELL LOCATION AND ACREAGE DEDICATION PLAT Directive 1-1-65 All distances must be from the outer boundaries of the Section Well No. Operator NORTHWEST PIPELINE CORPORATION SAN JUAN 30-5 UNIT Unit Letter Section <u>30N</u> 31 <u>Rio Arriba</u> Actual Footage Location of Well: 1450 1630 feet from the South line and line Ground Level Elev. Pool Wil-Dedicated Acreage: 6667 Pictured Cliffs Blance Pictured Cliff Acres 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 <u>unitization</u> 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 informati tained herein is true and complete wledge and belief Dále E. Richardson Position Drilling Engineer Northwest Pipeline Corp. 5/10/78 31 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. NM 012335 Date Surveyed

1980 2310

2000

OPERATIONS PLAN

San Juan 30-5 Unit #64

I. LOCATION: NW/4 SW/4, Sec. 31, T30N, R5W LEASE NUMBER: NM 012335

FIELD: Blanco Pictured Cliff <u>ELEVATION</u>: 6667' GL

II. GEOLOGY:

A. Formation Tops:

Ojo Alamo: 2890 Total Depth: 3800'

Kirtland: 2992 Fruitland: 3112 Pictured Cliffs: 3631

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 10, 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 2750 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 2750 to 3800

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	150'
6 3/411	150 ' - 3800'	2 7/8"	K-55	3800°

Operations Plan

Page 2

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

NORTHWEST PIPELINE CORPORATION

MULTI- POINT SURFACE USE PLAN

for the San Juan 30-5 Unit

Well Number 64

- 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.

Page 2

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:

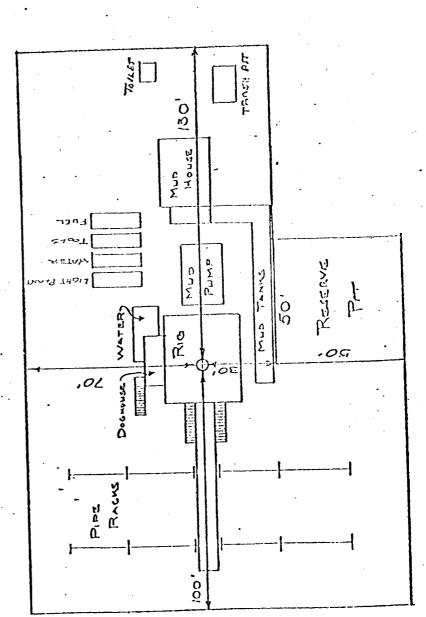
I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will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

DER/ch



DATE: 05-10-78 Scale: 1cm

