# SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

	DEDIDENT	ED STATES	reverse sid	5 LEASE DESIGNATION AND SERIAL NO.
		OF THE INTER	1011	USA-SF 079029
A DOLLG A TION	geolog N FOR PERMIT T	O DOLL DEEDE	N OR PILIG R	
	Y FOR PERMIT I	O DRILL, DLLIL	IV, OR TEGO B	
a. Type of Work DRI	LL 🖾	San Juan 32-8 Unit		
b. Type of Well	=	S. FARM OR LEASE NAME		
	ELL X OTHER	203	NE ZONE	San Juan 32-8 Unit
	nolina Carparati	on		9. WELL NO.
ADDRESS OF OPERATOR	<u>celine Corporati</u>			#12A
P.O. Box 90.	Farmington, New eport location clearly and	Mexico 87401	toto raquirements *)	
	FNL & 790' FWL			Blanco MV/Basin DK 11. Sec., T., B., M., OR BLK. AND SURVEY OR AREA
	Same as above			Sec 21 T31N R8W
4. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OFFICE	4	12. COUNTY OR PARISH 13. STATE
8 Miles Nor	th of Navajo Da	m		San Juan New Mex
5. DISTANCE FROM PROPE LOCATION TO NEAREST	USED*		. OF ACRES IN LEASE	TO THIS WELL
PROPERTY OR LEASE 1 (Also to nearest dri	LINE, FT. g. unit line, if any)	790	N/A oposed depth	w/320 + w/3 ⇒ 0  20. RUTARY OR CABLE TOOLS
S. DISTANCE FROM PROI TO NEAREST WELL, P	MILLING, COMPLETED,	37 / A	8240 *	Rotary
OR APPLIED FOR. ON TH	nether DF, RT, GR, etc.)			22. APPROX. DATE WORK WILL START
1. ELEVATIONS (Show who 6583 GR	emer Dr., Rr., GR., em.)			Sept 1980
3.	P	PROPOSED CASING AND	CEMENTING PROGR.	AM
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	10-3/4"	40.5#	350'	110_sks
8-3/4"	7-5/8"	26#	3970'	260 sks
			i e	1 000 1
6-1/4"	5-1/2"	15.5#	8240'	OPFRATIONS AUTHORIZED
Selectively Completion p  A BOP will be work will be The west had Gas is dedice  IN ABOVE SPACE DESCRIP	perforate and solans will be de se installed afte conducted through of Sec 21 is cated.	timulate the termined at Total er the surface ugh the BOP's.  dedicated to the JUN 2	DRILLING Mesa Vesdever al Depth GENERAL casing is set  Mis well for te This adja	OPERATIONS AUTHORIZED ARE OCOMPOSITION WITH ATTACHED REQUIRED TO SEP  OUT SEP
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## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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rator		<del></del>	Lease		······································	Well No.
	PIPELINE CORI			32-8 UN	nty	12A
Letter	Section 21	Township 31N	, Range <b>8W</b>	Cou	San Juan	en & wing ci
al Footage Loc		) JIN	ON	1	Jan Juan	
1820	feet from the	North line one	<b>7</b> 90	feet from	the West	line
ind Level Elev.	Producing Fo	Verde/Dakota	Pool	Vondo /Pr	ain Delrote	Dedicated Acreage:
		ated to the subject v	Blanco Mesa			320 Acre
interest and	nd royalty). In one lease of o		dedicated to the			hereof (both as to workin
this form if No allowab	is "no," list the necessary.)	ned to the well until a	criptions which l	ave actual	ly been consolidated (by com	ated. (Use reverse side of munitization, unitization approved by the Commis
1950			RECEIVE	JEVEY	Norme Paul C Position	CERTIFICATION  certify that the information converted is true and complete to the property of the complete form the comp
<b>_</b>	 	Sec.	etercine CN N		Company NorthW Date May 21	est Pipeline Corp
		21			hown on otes of under my	certify that the well location this plat was plotted from field actual surveys made by me a supervision, and that the samund correct to the best of me and belief.
	! !	報 (			Date Survey May 1 Registered	eds 1980 Professional Engineer

950

## NORTHWEST PIPELINE CORPORATION

## DRILLING PROGNOSIS

<u>DATE</u>: June 16, 1980 WELL NAME: San Juan 32-8 Unit #12A

ELEVATION: 6583 GR I. LOCATION: 790' FWL & 1820' FNL

Sec 21 T31N R8W SURFACE: BLM

San Juan Co., New Mexico MINERALS: FED SF 079029

FIELD: Blanco Mesa Verde/Basin Dakota

# II. GEOLOGY: Surface San Jose

	P	Depth:	Formation:	<u>Depth</u> :
Α.	Formation: Ojo Alamo	2233'	Mancos	5942'
	Kirtland	2341'	Gallup	7073 <b>'</b>
	Fruitland	3168'	Greenhorn	7843 <b>'</b>
	Pictured Cliffs	3471 <b>'</b>	Graneros	7898 <b>'</b>
	Lewis	3770'	Dakota	8018'
	Cliff House	53581	Total Depth	8240'
	Point Lookout	5739 <b>'</b>	_	

B. Logging Program: Gamma Ray-Induction & Density at Total Depth

C. Natural Gauges: Gauge @ 5739', 7073', 7898', and at Total Depth. Record all gauges on daily drilling report and morning report. Gauge all noticeable increases in gas while drilling and report.

#### III. DRILLING:

- A. Contractor:
- Mud Program: Mud, water and gas will be furnished by Northwest Pipeline Corporation from surface to total depth.
  - a) From Surface to Intermediate casing depth to be drilled with mud.
  - b) From Intermediate casing to Total depth to be drilled with gas.
- C. While drill pipe is in use the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. All tests will be reported in the Northwest Pipeline tour reports as to time and date.

## IV. MATERIALS:

٨	Cas	ing	Pro	gram:

Hole Size	Depth	Casing Size	Wt & Grade
12-1/4"	350'	10-3/4"	32.7# H-40 ST&C
9-7/8"	3970'	7-5/8"	24.0# H-40 ST&C
, ,, -	8240 <b>'</b>	5-1/2"	15.5# K-55 (to 6800')
6-3/4"	0240	5-1/2"	17.0# K-55 (6800' to TD)

- B. Float Equipment:
  - a) Surface Casing: 10-3/4" Larkin Guide Shoe and self fill insert float
  - b) Intermediate Casing: 7-5/8" Dowell Guide Shoe and Dowell self fill insert float valve. Dowell centralizers five (5).
  - c) Production Casing: 5-1/2" Larkin Geyser Shoe. Larkin Flapper type Float collar. Five (5) centralizers across Dakota, ten (10) across Mesa Verde.

C. Tubing:

8200' - 1-1/2", 2.9#, J-55, 10 RD EUE tubing with common seating nipple above bottom joint. Baker Model D Packer for 1-1/2" tubing with locator sub (DK). 5750' - 1-1/4", 2.33#, J-55, IJ tubing (MV).

D. Well Head Equipment: Dual completion X-mas tree assembly. Well head representative to set slips on intermediate & production strings.

### V. CEMENTING:

A. Surface Casing: 10-3/4" - Use 110 sks of Class "B" cement with 1/4# gel flake per sk and 3% CaCl<sub>2</sub>, (100% excess to circulate 10-3/4" casing).

WOC 12 hrs. Test to 600 psi for 30 minutes.

B. Intermediate Casing: 7-5/8" - Use 210 sks of 65/35 Class "B" poz with 12% gel & 15.52 gal of water per sk. Tail in with 50 sks of Class "B" with 2% CaCl<sub>2</sub> (596 cu.ft of slurry, 60% excess to cover Ojo Alamo). Use top rubber plug only. Run temp survey after 8 hrs. WOC 12 hrs. Test casing to 1200 psi for 30 min.

C. Production Casing: 5-1/2" - Precede cement with 40 bbls of water mixed with 4 sacks gel. Cement with 200 sks of Class "B" cement with 8% gel, 12-1/2# fine gilsonite per sk and 0.4% HR-4. Tail in with 100 sks Class "B" cement with 1/4# fine tuf-plug per sk and 0.4% HR-4 per sk. ( 535 cu.ft of slurry). (50% excess to fill to intermediate casing). Run temperature survey after 8 hrs, Perforate after 8 hrs.

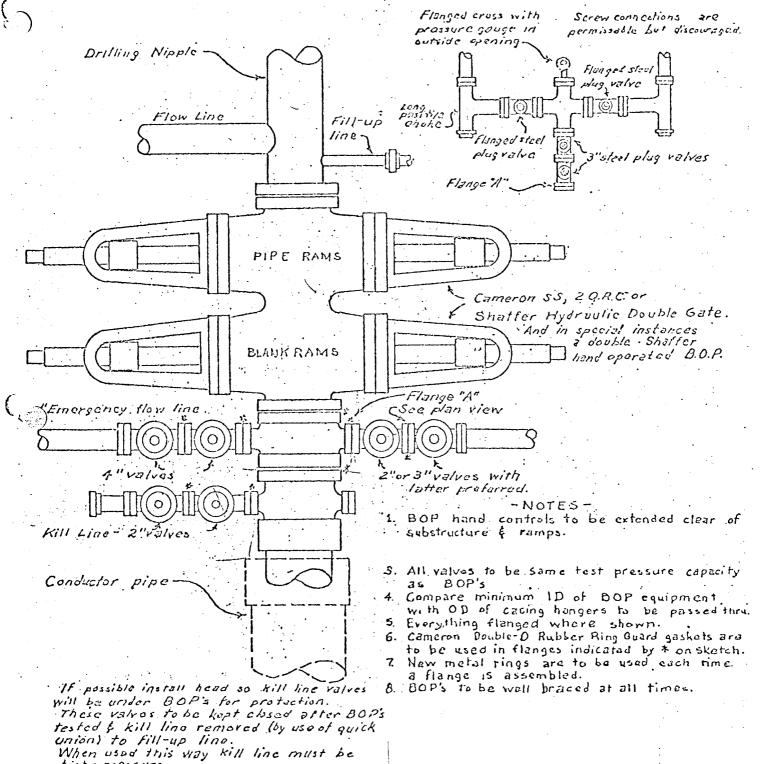
F. H. Wood

M<sub>MJT/djb</sub>

Originial: Well File

sc: Regular Distribution





SINGLE PIPE RAM
BLOWOUT PREVENTOR HOOKUP

high - prossure.

("")

- 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. 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 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. Well Site Layout: 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.

Page 2

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: Paul Thompson - P.O. Box 90 - Farmington, New Mexico 87401. Phone: 327-5351 Extension # 115

## 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.

Paul Thompson
Drilling Engineer

WJB/ch

230' Buen PIT 1816 MUD TANKS MUD PESERVE 18008 Fuel

AN LUAN 32-8 CANT #12A

LHOKY NOWENDOT

DATE: SCALE: 2 cm = 20'

