# SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved.

HNITED STATES

0 5 0 6 5 CF		Buaget	Bureau	No. 42-R142	5.
30-037-3/183	30	- <i>い</i>	39	-217	85

•		OF THE INTE	RIOR	ilde)	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLO	GICAL SURVEY			
APPLICATION	V FOR PERMIT	O DRILL, DEEP	PEN, OR PLUG E	BACK	SF 078917 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK	LL X	DEEPEN	PLUG BA	ск 🗆	7. UNIT AGREEMENT NAME
b. TYPE OF WELL OIL G.	AS ELL X OTHER		SINGLE MULTIP	PLE	San Juan 29-5 Unit 8. FARM OR LEASE NAME
2. NAME OF OPERATOR				•	San Juan 29-5 Unit
Northwest Pi	peline Corporat	ion			9. WELL NO.
•					#92 10. FIELD AND POOL, OR WILDCAT
P.O. Box 90,	Farmington, Ne	ew Mexico 8/40	] State requirements.*)		
At surface	-				Basin Dakota 11. sec., T., B., M., OR BLK.
	.30' FSL & 1690'	FEL	·		AND SURVEY OR AREA
At proposed prod. zon	s Above				Sec. 26, T29N, R5W
	AND DIRECTION FROM NEA	REST TOWN OR POST OFFI	CE®		12. COUNTY OR PARISH 13. STATE
Approximatel	y 3 miles east	of Gobernador	Camp		Rio Arriba N.M.
15. DISTANCE FROM PROPO LOCATION TO NEAREST	OSED*		O. OF ACRES IN LEASE	17. No. (	OF ACRES ASSIGNED HIS WELL
PROPERTY OR LEASE I	INE, FT.	NA	NA	1 7	320
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*	19. 1	PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON TH		NA	8624'		Rotary
21. BLEVATIONS (Show wh	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*
	)4 <b>'</b> GR				June 1, 1978
<b>23</b> .	1	PROPOSED CASING AN	D CEMENTING PROGR.	AM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	300'	-	165 sks
8-3/4"	7"	20#	4198'	_	165 sks
6-1/4"	4-1/2"	10.5# & 11.6#	T.D.	İ	345 sks
		'	•	•	
Selectively	perforate the I	akota formatio	n.		
A ROP will b	o installed aft	er curface cae	ing has been se	t and	
	ent work will be		<del>-</del>	c and v	cemented.
The E/2 of S	Section 26 is de	edicated to thi	s well. Gas is	dedica	ated.
Tom addition	1	. C			
ror addition	iai percinenc ii	normation, pre	ase refer to at	cacnme	its.
				•	•
in above space describing to the preventer program, if an	drill or deepen direction:	proposal is to deepen or ally, give pertinent data	plug back, give data on p on subsurface locations a	resent prod nd measure	d and true vertical depths. Give blowout
24.	Maria	) [.	Sr. Drilling E	'nai	£ / ( / 7 0
SIGNED	1 JUNEX	TITLE	OT NITITIE D	mernee	C DATE <u>5/6/78</u>

D.H. Maroncelli
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

TITLE

MAY 1 6 1978

oksrah

U. S. GEOLOGICAL SURVEY \*See Instructions On Reverse Side

DURANGO, COLO.

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

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

<del></del>			1.			·	T	
Operator NORTHWEST	PIPELINE COR	PORATION	Lease SAN J	UAN 29-5	יידעון -		Well No.	
Unit Letter	Section Section	Township	Range	OAN Ey-J	County		1 72	
0	26	29N	51	W	Rio	Arriba		
Actual Footage Loc	ation of Well:							
1130		outh line and	<del></del>	feet	from the	East /	line	
Ground Level Elev.	Producing For		Pool	بأسام المراسية	. /	Dedi	cated Acreage:	
7204	Dakot			sin Dakot			320 Acres	
1. Outline th	e acreage dedica	ted to the subject v	vell by colo	red pencil or	hachure i	marks on the pla	at 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?								
X Yes	☐ No If a	nswer is "yes," type	of consolida	ation <u>Uni</u>	ltizatio	on	·	
	is "no," list the f necessary.)	owners and tract des	criptions wh	nich have ac	tually bee	n consolidated.	(Use reverse side of	
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					CE	RTIFICATION	
	i		!	***************************************	= 1	CL	NIII ICA IION	
]	İ		ì			I hereby certify	that the information con-	
	. 1						s true and complete to the	
•	I .		· 			best of my know	wledge and belief.	
	<b>†</b>		ì			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$M = \sum_{i \in \mathcal{M}} M_i$	
	ļ		1			Nome	Masoneen _	
	+	· <b>-</b>			- =	D.H. Mar	oncelli	
	1		1			Position		
	<b>!</b>		1				ling Engineer	
	}	E	SF IC	78917		Company	t Pipolina Corp	
1			1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date	t Pipeline Corp.	
ļ	i		1			May 4, 1	978	
	1 5	Sec						
	1	26	1					
	1		i			,	fy that the well location	
	1					l '	plat was plotted from field	
İ						ł .	I surveys made by me or : vision, and that the same	
	i		1				orrect to the best of my	
	į		1			knowledge and		
<b></b>	+ 	26	• • • • • • • • • • • • • • • • • • •	1690'				
	ŀ					Date Surveyed	LAND	
			1130			April 89 Registered Profe	sstonat Engineer	
1	i					and/of/Land Surv	488i ) ) , ,	
	l I			<u> </u>		and se	The state of the s	
						Fred Bo Ke	enre dr.	
0 330 660	90 1320 1650 198	0 2310 2640 20	00 1500	1000 50	00 0	3950 E	MERIN.	

NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

For The San Juan 29-5 Unit

Well Number 92

- 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.
- 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 where possible.
- 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.

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.

5/15/78 Date

D.E. Richardson Drilling Engineer

DER/ch

## OPERATIONS PLAN

I. NAME: San Juan 29-5 Unit #92

May 12, 1978

LOCATION: SE/4 Sec. 26, T29N, R5W

LEASE NUMBER: SF 078917

FIELD:

Basin Dakota

ELEVATION:

7204' GR

#### II. GEOLOGY:

Formation Tops:		Cliff House:	6018'
Ojo Alamo:	3231 <b>'</b>	Point Lookout:	6362'
Kirtland:	3319 <b>'</b>	Greenhorn:	8325'
Fruitland:	3629'	Graneros:	8377 <b>'</b>
Pictured Cliffs:	3789 <b>'</b>	Dakota:	8474
Lewis:	3998 <b>'</b>	Total Depth:	8624'
	Ojo Alamo: Kirtland: Fruitland: Pictured Cliffs:	Ojo Alamo: 3231' Kirtland: 3319' Fruitland: 3629' Pictured Cliffs: 3789'	Ojo Alamo: 3231' Point Lookout: Kirtland: 3319' Greenhorn: Fruitland: 3629' Graneros: Pictured Cliffs: 3789' Dakota:

B. Logging Program: Gamma ray-Induction & Density at total depth.

C. Coring Program: None

D. Natural Gauges: Gauge at 6362', 6800', 8377', and @ total depth. Gauge

any noticeable increases in gas flow at depth other than those noted above. Record all gauges on daily drilling

report and tower report.

#### III. DRILLING:

A. Anticipated starting date and duration of activities: June 1, 1978 for 16 days.

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 3998 '. Low solids system.

Viscosity: 32-38 sec/qt. Weight: 8.8-9.2 #/gal.

Water Loss: 8-20 cc Ph: 8.5-9.5 c) From 3998' to 4198'

Viscosity: 36-45 sec/qt.

Weight: 8.5-9.5 #/gal.

Water Loss: 8-20 cc Ph: 8.5-9.5

d) From 4198' to total depth with gas.

### IV. MATERIALS:

# A. Casing Program:

Casing Ilogiam.						
Hole Size	Depth	Casing Size	Wt. &	Grade		
12-1/4"	300'	9-5/8"	32.3#	H-40 or	36#,	K-55
8-3/4"	4198	7"	20#	K-55	-	
6-1/4"	5900 <b>'</b>	4-1/2"	10.5#	K-55		
6-1/4"	2724	4-1/2"	11.6#	K-55		

B. Float Equipment:

Surface Casing: 9-5/8" Larkin Guide Shoe.

Intermediate Casing: 7" Dowell Guide Shoe. Dowell Self-fill insert float valve.

Dowell Centralizers (5).

Production Casing: 4-1/2", Larkin geyser shoe, Larkin flapper type float collar.

- C. <u>Tubing</u>: 8550' of 2-3/8" 4.7#, J-55, 8 rd EUE tubing with a common seating nipple above bottom joint.
- D. Well Head Equipment: Gray Tool Company drawing No. E-5533, or equivalent.

  Well head representative to set slips on intermediate and production strings.

## v. CEMENTING:

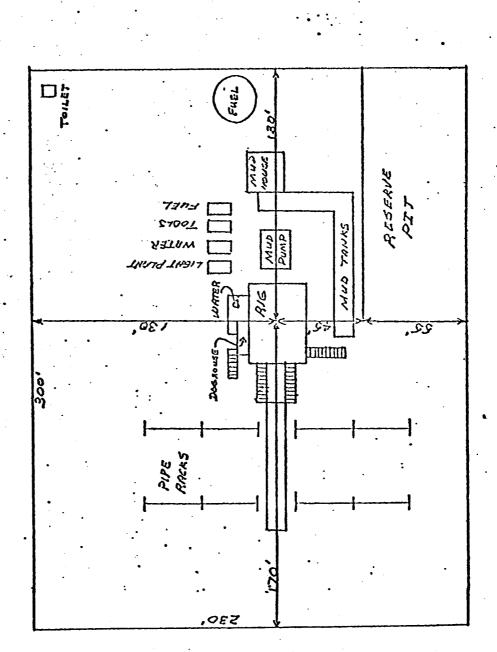
- A. Surface Casing: 9-5/8": Use 165 sacks of Class "B" cement with 1/4# gel flake per sack and 3% calcium chloride, (100% excess to circulate 9-5/8" casing). WOC 12 hours. Test to 600 psi for 30 minutes.
- B. Intermediate Casing:
  7": Use 115 sacks of 65/35 Class "B" poz with 12% gel
  & 15.52 gallons of water per sack. Tail in with 50
  sacks of Class "B" with 2% calcium chloride (360 cu. ft.
  of slurry 50% excess to cover Ojo Alamo). Use top
  rubber plug only. Run temperature survey after 8 hours.
  WOC 12 hours. Test casing to 1200 psi for 30 minutes.
- C. Production Casing: 4-1/2": Precede cement with 40 barrels of water mixed with 4 sacks gel. Cement with 245 sacks of Class "B" cement with 8% gel, 12-1/2# fine gilsonite per sack and 0.4% HR-4. Tail in with 100 sacks of Class "B" cement with 1/4% fine tuf-plug per sack & 0.4% HR-4 per sack. (635 cu. ft. of slurry). 50% excess to fill to intermediate casing. Run temperature survey after 8 hours. Perforate after 18 hours.



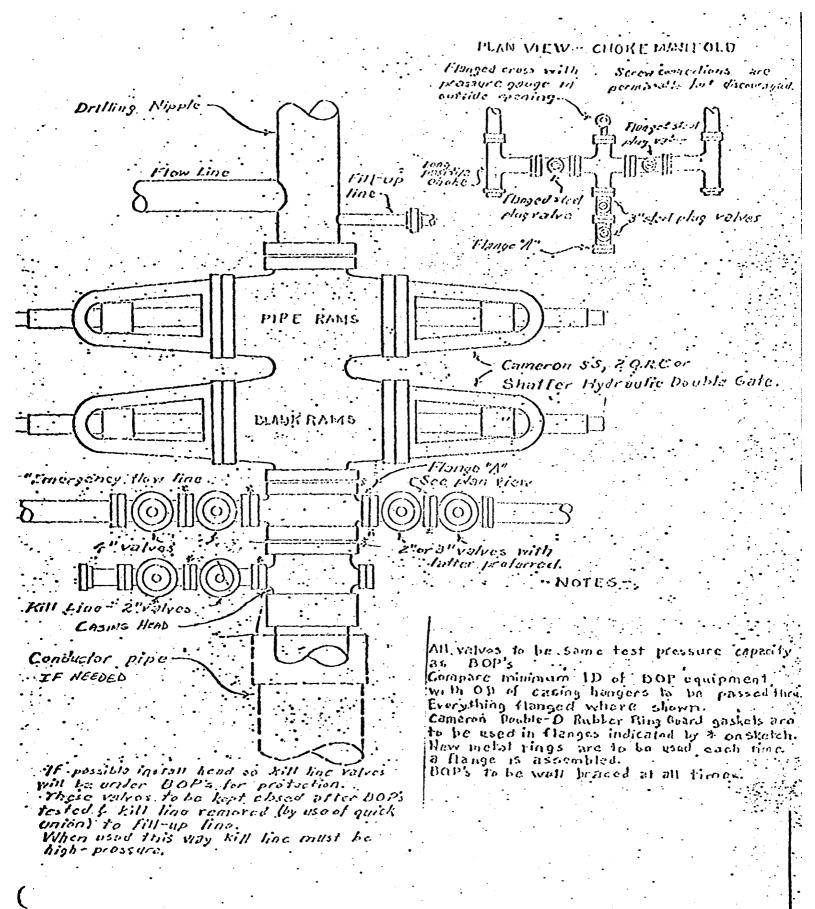
NORTHWEST PISEUNE CORPORATION

LOCATION LAYOUT

SAN JUAN 29-5 UNIT #92



DATE: SCALE: 1 CM = 20



SINGLE PIPE RAM BLOWOUT PREYENTOR HOOKUP

