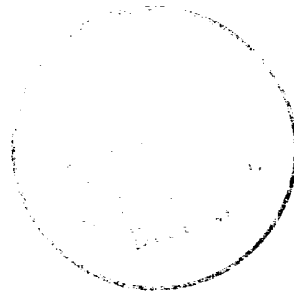


NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

for the San Juan 29-5 Unit

Well Number 7A



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. Auxiliary 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: J.P. Slattery, P.O. Box 90, Farmington, N.M., 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.

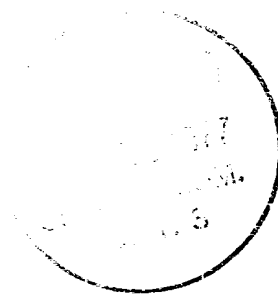
3-10-77

Date

J.P. Slattery

J.P. Slattery
Drilling Engineer

JPS/ks



OPERATIONS PLAN

San Juan 29-5 Unit #7A

Rio Arriba County, New Mexico

I. LOCATION: SE/4 Sec. 7, T29N, R5W

LEASE NUMBER: SF 078277

FIELD: Blanco Mesa Verde

ELEVATION: 6517' GR

II. GEOLOGY:

A. Formation Tops:

San Jose:	Surface	Cliff House:	5288'
Ojo Alamo:	2665'	Menefee:	5366'
Kirtland:	2815'	Point Lookout:	5647'
Fruitland:	3132'	Total Depth:	5847'
Pictured Cliffs:	3477'		
Lewis:	3597'		

B. Logging Program: Gamma Ray-Induction and Density at T.D.

C. Coring Program: None

D. Testing Program: None

III. DRILLING:

A. Anticipated starting date and duration of activities: March 10, 1977
Operations will take approximately 14 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 3597'

Viscosity: 32-38 sec/qt.

Weight: 8.8-9.2 #/gal.

Water Loss: 8-20 cc.

Ph: 8.5-9.5

(c) From 3597' to 3797'

Viscosity: 36-45 sec/qt.

Weight: 8.5-9.5 #/gal.

Water Loss: 6-12 cc.

Ph: 8.5-9.5

(d) From 3797' to total depth with gas.

IV MATERIALS:

A. Casing Program:

<u>Hole Size</u>	<u>Depth O.H.</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
12 1/4"	200'	9 5/8"	36# K-55	200'
8 3/4"	3797'	7"	20# K-55	3797'
6 1/4"	3797'-T.D.	4 1/2"	10.5# K-55	3647'-T.D.

B. Tubing Program: 5800', 2 3/8", 4.7#, J-55, tubing with seating nipple on top of bottom joint. Expendable check valve on bottom.

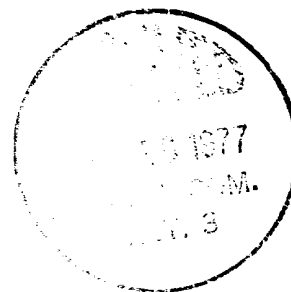
V. CEMENTING:

A. Surface Casing 9 5/8" - Use 125 sks. Cl. "B" w/1/4# gel flake/sk. & 3% calcium chloride (100% excess to circ.). WOC 12 hrs. Test surface csg. to 600 PSI for 30 min.

B. Intermediate Casing - Use 100 sks Cl. "B" 65/35 poz w/12% gel & 15.52 gal. water/sk. Tail in w/50 sks. Cl. "B" w/2% calcium chloride (80% excess to cover Ojo Alamo) WOC 12 hrs. Run temp. survey after 8 hrs. Test csg. to 600 SPI.

C. Production Liner 4 1/2" - Use 210 sks. Cl. "B" w/4% gel & 1/4 cu. ft. of fine Gilsonite/sk. Precede cmt. w/20 bbl.s water mixed w/3 sks. gel (70% excess to circ. liner). Set liner pack off & reverse out excess cmt. Run 6 1/4" bit to top of liner & pressure test (test 12 hrs. after plug is down). Lay down DP & run 3 7/8" bit on 2 3/8" EUE tubing to clean out liner. Perforate 18 hrs. after plug is down.

DWM
DWM/ks



REHABILITATION AGREEMENT

Lease No.: SF078277 ; Well Name and No.: San Juan 29-5 Unit #7A ;
Location: NE 1/4 SE 1/4 Sec. 7, T. 29 N., R. 5 W.

Northwest Pipeline Corporation Oil Company intends to drill a well on surface owned by Gomez Brothers. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

☒ Yes ☐ No Maintain access road and provide adequate drainage to road.

☒ Yes ☐ No Reshape and reseed any area in excess of the pump and support facilities.

Other requirements: _____

The following work will be completed when the well is abandoned:

☒ Yes ☐ No Site will require reshaping to conform to existing topography.

☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to topography.

☒ Yes ☐ No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:

Mixture #1

☒ Yes ☐ No Access road will be rehabilitated and reseeded using the same seed mixture as above.

☐ Yes ☐ No Access road will remain for landowner's use.

Other requirements: _____

Landowner

Name: Gomez Brothers
Address: _____
City: Lumberton
State: New Mexico
Telephone: _____
Date: 3-4-77

Operator/Lessee

Name: Northwest Pipeline Corporation
Address: P.O. Box 90
City: Farmington
State: New Mexico
Telephone: 327-5351
Date: 3-4-77

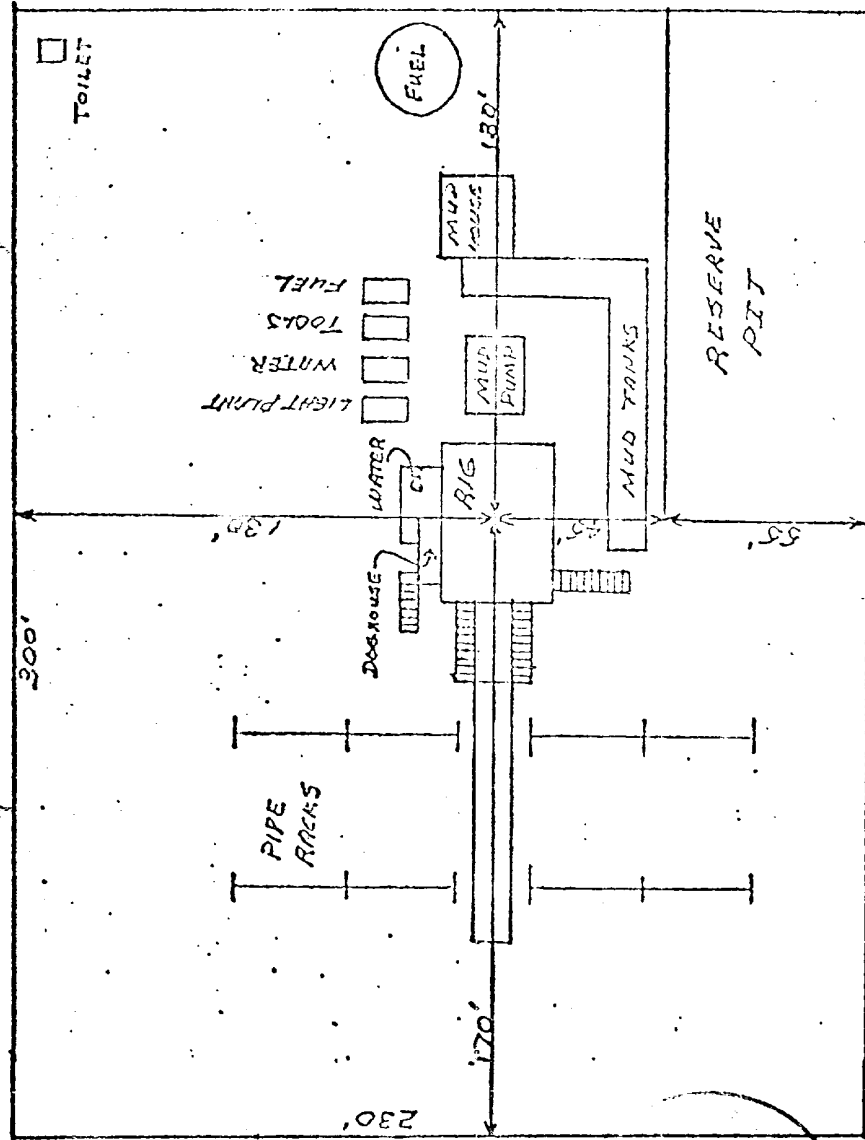
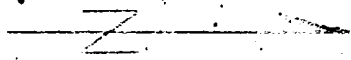
☒ Yes ☐ No I certify rehabilitation has been discussed with the surface owner. *J. P. Shotton*

This agreement covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

NORTHWEST PIPELINE CORPORATION

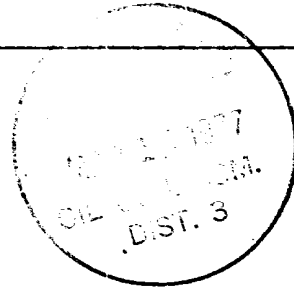
LOCATION LAYOUT

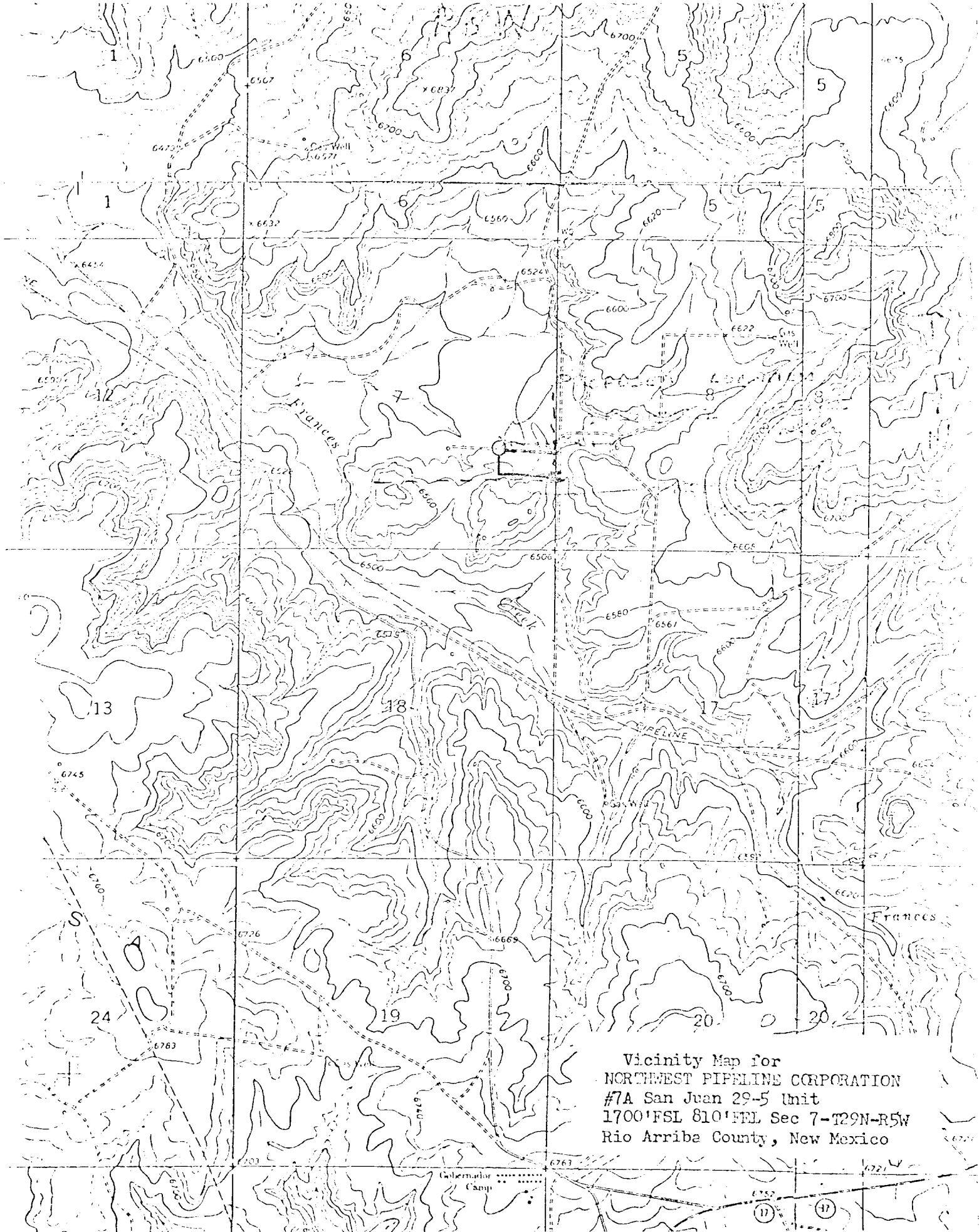
SAN JUAN 29-5 UNIT #74



ADDRESS

DATE: 5-4-
SCALE: 1" = 40'





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
SF 079277 0-18-1-77

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER		7. UNIT AGREEMENT NAME San Juan 29-5 Unit	
2. NAME OF OPERATOR Northwest Pipeline Corporation		8. FARM OR LEASE NAME San Juan 29-5 Unit	
3. ADDRESS OF OPERATOR P.O. Box 90 - Farmington, New Mexico 87401		9. WELL NO. 7A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1700' FSL & 810' FEL		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7, T29N, R5W	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6517' GR	12. COUNTY OR PARISH Rio Arriba	13. STATE N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) Spud & Surface	☒
(Other) ☐		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-25-77 MOL & RU. Spud 12 1/4" hole. Drilled to 206' KB. Ran 9 5/8" csg. set at 194' KB. Cemented with 125 sks Class "B" with 1/4# gel flake per sack and 3% CC.

6-26-77 WOC. Test csg. to 600 PSI for 30 minutes. Held ok.

18. I hereby certify that the foregoing is true and correct

SIGNED

D.H. Marbocelli
D.H. Marbocelli

TITLE Sr. Drilling Engineer

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

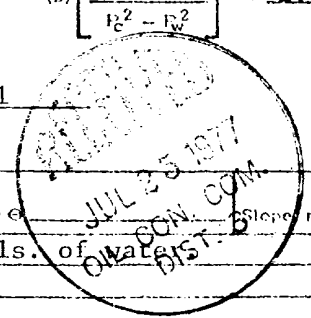
DHM/ch

*See Instructions on Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-127
Revised 1-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-14-77					
Company Northwest Pipeline Corp.				Connection New Completion							
Well Blanco				Formation Mesa Verde				Unit San Juan 29-5			
Completion Date 7-3-77		Total Depth 5797		Plug Back TD 5771		Elevation 6517		Farm or Lease Name San Juan 29-5 Unit			
Case Size 7.000	WT.	d	Set At 3661-5793	Perforations: From 5354 To 5752		Well No. 7A					
Tap Size 2.375	WT.	d	Set At 5731	Perforations: From To		Unit Sec. Twp. Rge. I 7 29 5					
Type Well - Single - Brokenhead - G.G. or G.O. Multiple Gas - single						Packer Set At None		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover Orifice meter	Meter Run 4"	flange			
FLOW DATA						TUBING DATA		CASING DATA			
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	4	x	2.750	7.0	7.8	66°	162		505		3 hrs.
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1.	130.00	2.9	7.8	.994	1.243	1.007	36.9				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/MM.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ X X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 737 P _c ² 543169					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9689$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6621$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1.		517	267289	275880							
2.											
3.											
4.											
5.											
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6081$											
Absolute Open Flow 6081 Mcfd @ 15.025					Angle of Slope 6 Slope n 1.75						
Remarks: Variable Choke Set @ 48/64. Well produced 7.69 bbls. of water per bbl.											
Approved By Commission:				Conducted By:				Calculated By:			
Fred Hamrick				B.J. Broughton							



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

SF 078277

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER	7. UNIT AGREEMENT NAME San Juan 29-5 Unit
2. NAME OF OPERATOR Northwest Pipeline Corporation	8. FARM OR LEASE NAME San Juan 29-5 Unit
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87401	9. WELL NO. 7A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1700' FSL & 810' FEL	10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6517' GR
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7, T29N, R5W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

"Summary"

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-29-77 Drilled 8 3/4" hole to 3797 w/mud. Ran 7" csg. set at 3797'. Cemented w/100 sx. Cl. "B" 65/35 poz w/12% gel followed by 50 sx. Cl. "B" w/2% CC. WOC. Top of cement at 2550 by temp. survey. Tested 7" csg. to 600 PSI for 30 min. Held ok.

6-30-77 Drilled 6 1/4" hole to 5797 w/gas.

7-1-77 Ran 4 1/2" csg. set from 3661 to 5793. Cemented with 210 sx. Cl. "B" w/1/4 ft.³ Gilsonite per sk. & 4% gel. WOC.

7-2-77 Cleaned out to 5771. Tested 4 1/2" csg. to 3500 PSI. Held ok. Spotted 500 gal. 7 1/2% HCL. Ran GR Neutron log & perfed 25 holes from 5354 to 5752. Pumped 1000 gals. 7 1/2% HCL w/35 ball sealers. Fraced with 60,000# 20/40 sand & 70,000 gal. water.

7-3-77 Landed 2 3/8" tubing set at 5731' KB.

Shut well in for test.

18. I hereby certify that the foregoing is true and correct

SIGNED

J.P. Slattery
J.P. Slattery

TITLE

Drilling Engineer

DATE

July 14, 1977

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

DEVIATION REPORT

NAME OF COMPANY Northwest Pipeline Corp. ADDRESS P.O. Box 90 - Farmington, New Mexico

LEASE San Juan 29-5 Unit Well 7A Unit I Section 7 TWS 29 Range 5

POOL Blanco Mesa Verde COUNTY Rio Arriba

DEPTH

206'
806'
1310'
1683'
2181'
2687'
3180'
3797'
4208'
4800'
5356'

DEVIATION

1°
1
1 1/4°
3/4°
1/4°
1°
1 1/2°
1°
1/2°
4 1/4°
1°

Certificate: I, the undersigned, state that I, J.P. Slattery
acting in my capacity as Drilling Engineer of Northwest Pipeline Corp.,
am authorized by said Company to make this report; and that this report was prepared
by me or under my supervision and directions and that the facts stated therein are
true to the best of my knowledge and belief.

JPS/ch

Subscribed and sworn to before me this 29th day of July, 1977

Virginia A. Copeland
NOTARY PUBLIC IN AND FOR SAN JUAN COUNTY, NEW MEXICO

My Commission Expires 12-18-79

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078277

6. IF INDIAN, ALLOTTEE, OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 29-5 Unit

8. FARM OR LEASE NAME

San Juan 29-5 Unit

9. WELL NO.

7A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 7, T29N, R5W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

19. PREV. CASINGHEAD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR

P.O. Box 90 - Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1700' FSL & 810' FEL

At top prod. interval reported below As above

At total depth As above

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

6-25-77

16. DATE T.D. REACHED

6-30-77

17. DATE COMPL. (Ready to prod.)

7-14-77

18. ELEVATIONS (DF, RBE, RT, GR, ETC.)*

6517' GR

20. TOTAL DEPTH, MD & TVD

5797

21. PLUG, BACK T.D., MD & TVD

5771

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

All

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Mesa Verde

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-Neutron

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36	194	12 1/4"	125 sks.	
7"	20	3797	8 3/4"	150 sks.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3661	5793	210		2 3/8"	5731	None

31. PERFORATION RECORD (Interval, size and number)

5354'	5458'	5530'	5678'	5716'	25 holes
5362'	5482'	5608'	5684'	5728'	.32"
5434'	5490'	5616'	5690'	5736'	
5442'	5516'	5628'	5698'	5744'	
5450'	5522'	5672'	5708'	5752'	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5354 to 5752	1000 gal. 7 1/2% HCL 60,000 lbs
	20/40 sand 70,000 gals water.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-14-77	3	48/64	→		CV 3659		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
162	505	→		AOF 6081			

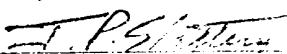
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Waiting on pipeline connection

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED


J.P. Slattery

TITLE

Drilling Engineer

DATE

July 23, 1977

JPS/ch

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions governing the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other sections of this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Item 32: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	5338		SS. Buff to light gry., silty in part, fine to medium grained, interbedded with siltstone, shale, and coal.	Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Cliff House Menefee Point Lookout T.D.	2665' 2815' 3132' 3477' 3597' 5338" 5389' 5648' 5797'	Same " " " " " " " "

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes OIA C-103 and C-110
Effective 1-1-65

I. Operator
Northwest Pipeline Corporation

Address
P.O. Box 90 - Farmington, New Mexico 87401

Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change of ownership ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 29-5 Unit	Well No. 7A	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease XXXX, Federal of XXX	Lease No. SF 078277
Location Unit Letter I ; 1700 Feet From The South Line and 810 Feet From The East Line of Section 7 Township 29N Range 5W , NMFM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Northwest Pipeline Corporation	Address (Give address to which approved copy of this form is to be sent) 3539 East 30th - Farmington, New Mexico 87401
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Northwest Pipeline Corporation	Address (Give address to which approved copy of this form is to be sent) 3539 East 30th - Farmington, New Mexico 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	San. Restv.	Diff. Restv.
		X	X					
Date Spudded 6-25-77	Date Compl. Ready to Prod. 7-14-77	Total Depth 5797	P.B.T.D. 5771					
Elevation (DF, RKB, RT, GR, etc.) 6517	Name of Producing Formation Mesa Verde	Top Oil/Gas Pay 5354	Tubing Depth 5731					
Perforation 25 holes, .32", 5354 to 5752			Depth Casing Shoe 5793					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	9 5/8"	194	125 sks.					
8 3/4"	7"	3797	150 sks.					
6 1/4"	4 1/2" liner	3661 to 5793	210 sks.					
---	2 3/8" tubing	5731	---					

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test 7-14-77	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D CV-3659, AOF-6081	Length of Test 3 hours	Bbls. Condensate/MMCF	Gravity and API of Condensate
Testing Method (pilot, back pr.) Back Pr.	Tubing Pressure (Shut-in) 627	Casing Pressure (Shut-in) 725	Choke Size 48/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

J.P. Slattery
(Signature)

(Title)
Drilling Engineer

(Date)
July 22, 1977

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY ORIGINAL SIGNATURE OF J.P. SLATTERY, JR.
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.