

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-12-81	
Company Northwest Pipeline Corporation			Connection New Completion		
Pool Blanco			Formation Mesa Verde		Unit San Juan 30-5
Completion Date 9-29-81		Total Depth 6165'	Plug Back TD 6125'		Elevation 6429'
Form or Lease Name San Juan 30-5 Unit					Well No. #74 MV
Choke 4.500	Wt. 20.0	d 6.456	Set At 4135'	Perforations: From 5713' To 6098'	
Trq. Size 2.378	Wt. 4.7	d 1.995	Set At 6041'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3910'	
Producing Thru Tubing		Reservoir Temp. °F 6	Mech Annual Temp. °F		Baro. Press. - P _a 12.0
L		H	G _g est. .590	% CO ₂	% N ₂
				% H ₂ S	Positive Choke
					Meter Run
					Taps
State New Mexico					
County Rio Arriba					

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1154		Packer		SIP
1.	2"	X	.750"	137		60 ⁰	137				3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		149	1.000	1.302	1.010	1882
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl.	Deg.
1											X X X X X X X X	
2.												
3.												
4.												
5.												

P _r 1166	P _w 1359556	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0740$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0550$
NO. 1	Calc. 306	93636	1265920
2			
3			
4			
5			

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1985$

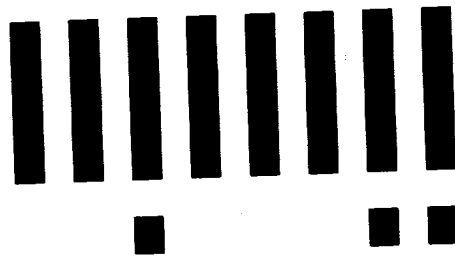
Absolute Open Flow	1985	Mcf @ 15.025	Angle of Slope @	Slope, n	75
--------------------	------	--------------	------------------	----------	----

Remarks: Produced medium mist of water throughout test. Vented 281 MCF.

GI	1-e-s	(FcQ ²)	R ²	Pt ²	Pt ² + R ²	Calc. Pw
3564	.228	313098	71386	22201	93587	306 PSIA

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: <i>BJR</i>
-------------------------	----------------------------------	----------------------------------	---------------------------

BJB/skw



LTR



Job separation sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

NM 012332

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 30-5 Unit

8. FARM OR LEASE NAME

San Juan 30-5 Unit

9. WELL NO.

#74

10. FIELD AND POOL, OR WILDCAT

Gobernador PC / Blanco MV

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

Sec 34, T30N, R5W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

N.M.

19. ELEV. CASINGHEAD

18. ELEVATIONS (DF, REB, BT, GR, ETC.)*

7952' GR

ROTARY TOOLS

23. INTERVALS
DRILLED BY

0'-6165'

CABLE TOOLS

-

25. WAS DIRECTIONAL
SURVEY MADE

NO

27. WAS WELL CORED

NO

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, N.M. 87401

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

At surface 1980 FSL & 2100 FWL

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO.

DATE ISSUED

30-039-22754

15. DATE SPUDDED

6-27-81

16. DATE T.D. REACHED

7-14-81

17. DATE COMPL. (Ready to prod.)

PC10-19-81 MV 10-12-81

20. TOTAL DEPTH, MD & TVD

6165'

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

MV 6125'-PC 3910'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

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

Pictured Cliffs - 3758' - 3846'

Mesa Verde - 5713' - 6098'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction, Neutron Density & Gamma Ray GR/CCL

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#	236'	12-1/4"	115 sx	7 bbls
7"	20#	4135'	8-3/4"	170 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3967'	6160'	220		2-3/8"	6038'	3910'
					1-1/4"	3760'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

P.C. - 14 .37" holes - 3758' - 3846'

M.V. - 24 .37" holes - 5713' - 6098'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3758' - 3846'	5,000 gal pad slick wtr followed w/ 50,000# 10/20 sand.
5713' - 6098'	10,000 gal pad slick wtr followed w/ 80,000# 20/40 sand

33.*

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A	Flowing	Shut in
DATE OF TEST	HOURS TESTED	CHOKE SIZE
MV 10-12-81	3 hrs	2"X.750"
PC 10-19-81		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
MV 137 psig	Packer	
PC 71 psig		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		
Vented - Waiting on Pipeline Connection		

35. LIST OF ATTACHMENTS

TEST WITNESSED BY

Fred S. Hamrick

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

SIGNED

Donna J. Brace

TITLE Production Clerk

DATE 11-25-81

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

NMOCC

FARMINGTON DISTRICT
BY Sma

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 concerning 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 spaces on 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: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** 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	NAME	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
			Ojo Alamo	3052'	Same
			Kirtland	3352'	Same
			Fruitland	3432'	Same
			Pictured Cliffs	3802'	Same
			Lewis	3936'	Same
			Cliff House	5692'	Same
			Menefee	5748'	Same
			Point Lookout	6000'	Same
			Total Depth	6165'	