

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
Budget Bureau No. 42-R1424.

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM - 010910																				
2. NAME OF OPERATOR Northwest Pipeline Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR Room 126, 501 Airport Drive Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1030' FNL & 1625' FWL		8. FARM OR LEASE NAME Holt																				
14. PERMIT NO.		9. WELL NO. 3																				
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6671' G.L.		10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 20, T-32-N, R-11-W																				
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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.)*

6-24-74 Spudded well. Drilled 12-1/4" surface hole to 107' DB. Ran 2 jts. of 8-5/8" 24# J-55 casing and set @ 105' KB and cemented with 90 sacks Class "B" with 1/4# flocele per sack and 3% cc. Circulated to surface.

6-25-74 WOC 12 hours. Tested casing to 600 psi for 30 minutes - OK.

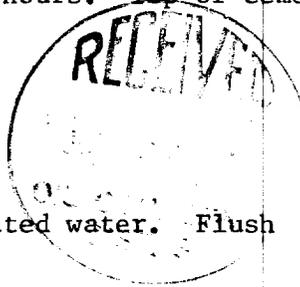
6-29-74 Drilled 6-3/4" hole to TD of 3375'.

6-30-74 Ran 121 joints of 2-7/8" 6.4# H-40 & j-55 casing and set @ 3357'. Cemented with 110 sacks of 65/35 Pozmix with 10% gel and 1/3 cu. ft. reg gilsonite per cu.ft. Followed with 50 sacks of Class "B" neat. WOC 8 hours. Top of cement @ 1700'.

7-9-74 Tested casing to 3000 psi -OK.

7-10-74 Ran GRCCCL and perf'd 3328-50' with 44 holes.

7-11-74 Fraced with 25,000# 10/20 sand and 20,740 gallons of treated water. Flush with 600 gallons of water.



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

SIGNED O. B. Whitenburg TITLE Production & Drilling Engineer DATE July 25, 1974
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

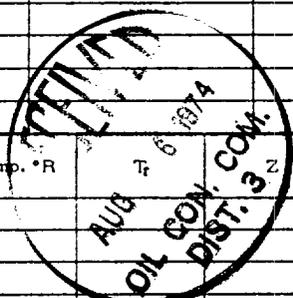
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Ready 7-29-74

SIG 7-22-74

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 7-29-74			
Company Northwest Pipeline Corporation			Connection None				
Pool Blanco			Formation Pictured Cliffs			Unit	
Completion Date 7-11-74		Total Depth 3375'		Plug Back TD 3351		Elevation 6671 G.L.	
Farm or Lease Name Holt		Well No. 3		Unit C		Sec. Twp. Rge. 20 32 11	
Csg. Size 2-7/8"		Wt. 6.4#		Set At 2.441		Perforations: From 3328 To 3350	
Tbg. Size		Wt.		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Tubingless completion				Packer Set At none		County San Juan	
Producing Thru Casing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _g New Mexico	
L		H		Gg .635		% CO ₂ % N ₂ % H ₂ S	
						Prover .750 choke	
						Meter Run Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. *F	Press. p.s.i.g.
NO.							Temp. *F
1.	.750 choke						1026
2.							87
3.							68°
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.	12.365		99	.9924	.9721	1.007	1,189
2.							
3.							
4.							
5.							
NO.	P _t	Temp. *R	T _r	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2.				Specific Gravity Separator Gas _____ 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			
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,077,444}{1,061,568}$		
1.					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0127$		
2.					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,204$		
3.					calculated PW		
4.					Absolute Open Flow 1,204 Mcfd @ 15.025		
5.					Angle of Slope θ _____ Slope, n .85		
Remarks: GL 1-e-s FcQ ² R ² PT ² PT ² +R ² PW							
2113 .142 43,562 6186 9801 16,161 126							
Well produced light mist of water throughout test.							
Approved by Commission:		Conducted By:		Calculated By:		Checked By:	
		Bobby Broughton		Bobby Broughton		A.E. Zelder	



X