NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-19-74
Company: Northwest Pipeline Corporation		Connection: New Completion		
Pool: Blanco		Formation: Pictured Cliffs		Unit
Completion Date: 8-8-74	Total Depth: 3336'	Plug Back TD: 3321'	Elevation: 6596' G.L.	Farm or Lease Name: Holco
Csg. Size: 2-7/8" / Wt.: 6.4# / d: 2.441 / Set At: 3327		Perforations: From 3242 To 3256		Well No.: #1
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: G / Sec.: 19 / Twp.: 32 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Tubingless - completion		Packer Set At: None		County: San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L / H / Gg: .635 / % CO_2 / % N_2 / % H_2S / Prover: 3/4 choke / Meter Run / Taps				

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OIL CON. COM.
DIST. 3

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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days						1024		
1.	.750 choke						96	63°	3 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		108	.9971	.9721	1.007	1,303
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,073,296}{1,054,252}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0153$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,323$

Calculated PW

Absolute Open Flow 1,323 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks:	G1	1-e-s	FcQ^2	R^2	PT^2	$PT^2 + R^2$	PW
	2059	.139	52,316	7,272	11,664	18,936	138

Well produced dry gas through-out test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bobby Broughton	Bobby Broughton	