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 [X] Special				Test Date: 7/15/85	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Undesignated		Formation: Gallup			Unit: Rosa
Completion Date: 10/19/84	Total Depth: 8525'		Plug Back TD: 8351'	Elevation: 6649' GR	Farm or Lease Name: Rosa Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 8516'			Perforations: From 7214' To 7602'		Well No.: #118 (Gal)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8310'			Perforations: From To		Unit: H / Sec.: 35 / Twp.: 32N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Dual			Packer Set At: 7800'		County: Rio Arriba
Producing Thru: Annulus	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico
L:	H:	Gg: Est. .600	% CO_2:	% N_2:	% H_2S: Prover: Positive 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	SIP						1790		
1.	2" X .750"					60°	* 102	60°	3 Hrs.
2.									
3.							* Annular Flow		
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	9.604		114	1.000	1.291	1.012	1430
2.							
3.							
4.							
5.							

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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 1802 P_c^2 3247204

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		149	22201	3225003
2		(Calc.)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0069$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0052$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1437$

Absolute Open Flow 1437 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Blew medium mist of water throughout test. Vented 179 MCF.

Gl	i-e-s	$Fc0^2$	R^2	Pt^2	$R^2 + Pt^2$	Calc. Pw
4328	.270	34291	9259	12996	22255	149 psia

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Chik Charley	S.K. Liese	M.J. Turnbaugh

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