

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 8-2-76			
Company Northwest Pipeline				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit Cox Canyon	
Completion Date July 25, 1976		Total Depth 5859		Plug Back TD 5823		Elevation 6644 Gr.		Farm or Lease Name Cox Canyon Unit Com.	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5855	Perforations: From 5082 To 5799		Well No. 9A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5777	Perforations: From To		Unit D	Sec. 20	Twp. 32	Rge. 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas--Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .660	% CO ₂	% N ₂	% H ₂ S	Prover Orifice Meter	Meter Run 4"	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI	8 day SIP						660		848	
1.	4 X 2.500			131	9.6	58	427		717	
2.										
3.										
4.										
5.										

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	3.78	9.6	1.002	1.231	1.014	4684
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	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 _c ²	P _w ²	P _c ² - P _w ²
1	860	729	739600	531441	208159
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5531$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,122$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.5879$

Absolute Open Flow <u>12,122</u> Mcfd @ 15.025	Angle of Slope θ _____ Slope, n .75
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Remarks: Diff. from L-10 Chart. Coefficient from chart factor 3.162 & orifice factor of 32.64. Variable choke set @ 48/64. Well produced 1/2 bbl. of water with a trace of condensate

Approved By Commission:	Conducted By: F.S.H.	Calculated By: F.S.H.	Checked By: B.B.
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