

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 7-13-76	
Company Northwest Pipeline				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit Cox Canyon
Completion Date July 4, 1976		Total Depth 6107		Plug Back TD 6060		Elevation 6872 GR.
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 6103
Thg. Size 2.375		Wt. 4.7		d 1.995		Set At 6034
Perforations: From 5336 To 6046				Well No. 5A		
Perforations: From To				Unit Sec. Twp. Rge. D 21 32 11		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas--Single					Packer Set At None	
Producing Thru Tubing					County San Juan	
Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12.0		State New Mexico
L	H	G _g .660	% CO ₂	% N ₂	% H ₂ S	Office Meter 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.		Temp. °F
SI	7 Day SIP										
1.	4 x 2.500		99	9.1	52°	760	410		832	746	3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _l	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	3.3	9.1	1.008	1.231	1.010	3884
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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

$P_c = 844$ $P_c^2 = 712336$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		758	574564	137772
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 5.1704$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.4288$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 13,317$$

Absolute Open Flow <u>13,317</u> Mcfd @ 15.025		Angle of Slope @ _____	Slope, n <u>.75</u>
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Remarks: Diff from L-10 chart. Coefficient from chart factor 3.162 & Orifice factor factor of 32.64. Variable choke set @ 48/64. Produced 3 bbls. of liquid 1/2 bbl. was condensate.

Approved by Commission:	Conducted by: Fred Hamrick	Calculated by: Fred Hamrick	Checked by: BJB
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