

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 10-3-74	
Company Northwest Pipeline		Connection New Well	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-16-74		Total Depth 6150	Plug Back TD 6045
		Elevation 6677 GL	Well Name SJ 32-7 Unit
Csg. Size 4-1/2	Wt. 10.5	d 4.052	Set At 6140
		Perforations: From 5778 To 5976	
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 5960
		Perforations: From To	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At none	County San Juan
Producing Thru tubing	Reservoir Temp. °F 6	Mean Annual Temp. °F 12.0	State New Mexico
L	H	Gg .600	% CO ₂
		% N ₂	% H ₂ S
		Prover pos. choke	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI	7 day SIP						1172		1172	
1.	.750 pos. chock			228		67°	228		627	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		240	.9933	1.000	1.018	3001
2.							
3.							
4.							
5.							

NO.	P _t	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	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1401856}{993535}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2946$
1	1184	639	408321		
2					
3					
4					
5					

Absolute Open Flow 3885 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: Well produced light to medium mist of h₂O through out test.

Approved by Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>[Signature]</i>
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