

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 2/16/77			
Company Northwest Pipeline				Connection New Well					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 2/7/77		Total Length 5684		Plug Back TD 5647 in		Elevation 6429		Farm or Lease Name 29-6 Unit	
Gas Flow 7.000 4.500	Wt. 20.0# 11.6#	d 4.000	Set At 3686 3524-5681	Perforations: From 5100 To 5616		Well No. #49A			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At	Perforations: From To		Unit Sec. Twp. Rge. E 35 29 6			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annua. Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .699	% 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.		Temp. °F
51							965		969		SIP
1.	4"	X	2.750	156	8.5	70°	342		658		3 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	4.1	8.5	.991	1.196	1.019	5469
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 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 _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	981	670	448900	513461		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ 8761			
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Absolute Open Flow 8761 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
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Remarks: Variable choke set @ 48/64. Well produced approximately 1 bbl of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: Fred Hamrick	Checked By: BJR
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