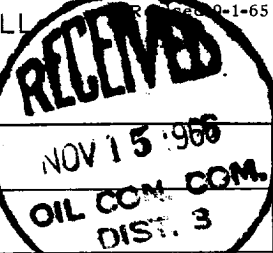


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-22-66	
Company Marathon Oil Co.				Connection NONE			
Pool Basin Dakota				Formation Dakota			
Completion Date		Total Depth 7500		Plug Back TD 7461		Elevation 6503 KB	
Farm or Lease Name Jicarilla Apache							
Csg. Size 4.5		Wt. 11.6		d 4.000		Set At 7495	
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 7076	
Perforations: From 7078 To 7324				Well No. 9			
Perforations: From 7072 To 7076				Unit Sec. Twp. Rge. A 28 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At NONE	
Producing Thru Tbg		Reservoir Temp. °F 176 @ 7050		Mean Annual Temp. °F		Baro. Press. - P _g 12.0	
County Rio Arriba		State New Mexico		Meter Run		Taps	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	

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							2556		2569	
1.	2 x 3/4						522	60	1455	3 Hr.
2.										
3.										
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	12.3650		534	1.000	.9608	1.062	6761 6737
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 2581	P _c ² 6661561		
NO.	P _t ²	P _w	P _w ²
1		1467	2152089
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4772$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3399$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9063$$

$$9027$$

Absolute Open Flow 9063 9027 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: **WELL WAS SHUT IN AFTER 3 HR. TEST & WILL REMAIN SHUT IN UNTIL PIPELINE CONNECTION IS MADE.**

Approved By Commission:	Conducted By: TEFTTELLER, INC.	Calculated By: Neil Teftteller	Checked By: D. J. Patterson MARATHON OIL CO.
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