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See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

CONFIDENTIAL

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Robert L. Bayless				Lease or Unit Name Blue Mesa			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/14/94		Well No. 1	
Completion Date 1/3/93		Total Depth 2600		Plug Back TD 2562		Elevation 6903	
Csg. Size 4 1/2"		Wt. 10.5		Set At 2600		Perforations: From: 2416 To: 2436	
Tbg. Size 2 3/8"		Wt. d		Set At 2423		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Formation Pictured Cliffs	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P _a 12.0 psi (est.)	
L		H		Gg .65 (est.)		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover	
						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.		Temp. °F
SI							607		630		
1.	2" x .750"			235		60°	235	60°	430	60°	3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$h_w P_m$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor	Super Compress. Factor F _{sg}	Rate of Flow Q, Mcfd
1.	12,365		247	1.000			3882
2.							
3.							
4.							
5.							

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OIL CON. DIV
DIST. 3

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.3687		1.3867	.952	A.P. L Gravity of Liquid Hydrocarbons	Deg
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure 670	P.S.I.A. P.S.I.A.
5.					Critical Temperature 375	R R

P _c 642	P _c ² 412164					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1.		442	195364	216800	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9011$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7265$
2.						
3.						
4.						
5.						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6700$$

Absolute Open Flow 6700	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By Division	Conducted By: Harvey Rader	Calculated By: Tucker Bayless	Checked By:
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