

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/22/86				
Company Robert L. Bayless				Connection None					
Pool Undesignated Fruitland				Formation Fruitland				Unit	
Completion Date 9-15-86		Total Depth 3935		Plug Back TD 3910		Elevation 6990' GL		Farm or Lease Name Jicarilla 452	
Csq. Size 3 1/2"	Wt. 9.3#/ft	d 2.992"	Set At 3935	Perforations: From 3644 To 3743		Well No. #1-Y			
Tbg. Size 1 1/2"	Wt. 2.9#/ft	d 1.610"	Set At 3702	Perforations: From None To		Unit Sec. Twp. Rge. P 6 29 3			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0 psia (est)		State New Mexico	
L	H	Gg .65	% 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	7 days						650		655		
1.	2" X .750						4		210	62°F	3 hrs
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	12.3650		16	.9981	.9608	1.007	191
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 667	P _c ² 444,889	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1246$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.1049$
NO. 1	P _t ²	P _w	P _w ²
1		222	49,284
2			
3			
4			
5			

Absolute Open Flow 211 _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .85	
Remarks: Well made heavy mist of water during test					

Approved By Division	Conducted By: David Ball	Calculated By: Kevin McCord	Checked By:
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