

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/4/87	
Company Robert L. Bayless				Connection none	
Pool Wildcat				Formation Pictured Cliffs	
Completion Date 11/24/87		Total Depth 4100'		Plug Back TD 4053'	
Elevation 7138' RKB		Farm or Lease Name Jicarilla 464			
Csq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 4098'	Perforations: From 3977' To 4014'	
Trq. Size 1 1/2	Wt. 2.9	d 1.610	Set At 3999'	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple gas - single				Packer Set At None	
Producing Thru tubing				Baro. Press. - P _a 12.0 (est)	
County Rio Arriba				State New Mexico	
L	H	Cg .65	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	8 days				
1.	2 inch	.750			
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	1068				
	148	65°			
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	1080				
	545				
Duration of Flow 3 hrs.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1	12.3650		160	.9952	1.240
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio Mcl/bbl.
1	.24		1.40	.969	A.P.I. Gravity of Liquid Hydrocarbons Deg.
2.					Specific Gravity Separator Gas .65 XXXXXXXXXX
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 1092 P_c^2 1,192,464					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3517$
1		557	310,249	882,215	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2919$
2					
3					
4					
5					
Absolute Open Flow 3205 Mcl @ 15.025 Angle of Slope Θ Slope, n .85					
Remarks:					
Approved By Division					
Conducted By: David Ball		Calculated By: Kevin McCord		Checked By:	