

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

1 EPNG

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-25-83		RECEIVED	
Company Ladd Petroleum Corp.				Connection			
Pool Largo Gallup				Formation Gallup		Unit OIL CON. DIV. DIST. 3	
Completion Date 5-5-83		Total Depth 7363'		Plug Back TD 7307'		Elevation 6587' RKB	
Csg. Size 5 1/2"		WI. 15.5#		Set At 4.950"		Perforations: From 6381 To 6658	
Tbg. Size 1 1/2"		WI. 2.76#		Set At 1.61"		Perforations: From open ended To	
Type well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas/Gas				Packer Set At 7090' RKB		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g .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
1.							750		1310		7 days
2.											
3.	1/2" pos. choke		4			78°			390		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.	5.4315		16	.9831	.9608	1.0000	82
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.10189$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0755$
1.						
2.						
3.		402	161,604	1,586,080		
4.						
5.						

Absolute Open Flow _____ 88 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____ .75	
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Remarks: _____			
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Approved By Division	Conducted By: Hall	Calculated By: Jacobs	Checked By:
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