

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

1 File
1 EPNG

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-17-83			
Company Ladd Petroleum Corp.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date 5-5-83		Total Depth 7363'		Plug Back TD 7307'		Elevation 6574' GL	
Farm or Lease Name Lindrith							
Csq. Size 5 1/2"	Wt. 15.5#	d 4.950"	Set At 7348'	Perforations: From 7185' To 7273'		Well No. 24M	
Tbg. Size 1 1/2"	Wt. 2.76	d 1.610	Set At 7212'	Perforations: From Open End To		Unit Sec. Twp. Rye. N 4 26N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G-G Dual				Packer Set At 7090' RKB		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
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							1730		packer		7 days
1.											
2.											
3.	5/8" Pos. Choke			145		63°					3 hours
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							
2							
3	8.5417		157	.9971	.9608	1.015	1304
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	P.S.I.A.

P _c 1742	P _c ² 3,034,564	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0530$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0395$
NO	P _t ²	P _w	P _w ²
1			
2			
3	24,649	391	152,801
4			
5			

Absolute Open Flow 1356 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Division	Conducted By: Hall	Calculated By: Jacobs	Checked By: