

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-21-80	
Company MINERALS, INC.			Connection LLANO, INC.		
Pool Undesignated			Formation Strawn		Unit
Completion Date 12-19-80		Total Depth 13,310		Plug Back TD 12,566	Elevation 3592.5 GL
Form or Lease Name Llano "3" State Com					Well No. 1
Req. Size 5 1/2	Wt. 23.0	d 4.545	Set At liner	Perforations: From 11653 To 11718	
Req. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11519	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,519	
Producing Thru tbq		Reservoir Temp. °F 60		Baro. Press. - P _a 13.2	
State New Mexico					
L 11566	H 11653	G _g .692	% CO ₂ .74	% N ₂ 1.47	% H ₂ S -0-
Prover		Meter Run 3.0		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.	3.0	1.750		450	11	60	3910	56	300	-	24 hrs
2.											
3.											
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	15.87	71.4	463.2	1.0	1.202	1.080	1470
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	12.712	Mcf/bbl.
1	1.451	520	1.354	.857	A.P.I. Gravity of Liquid Hydrocarbons	52	Deg.
2.					Specific Gravity Separator Gas	.692	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X	
4.					Critical Pressure	622	P.S.I.A.
5.					Critical Temperature	384	R

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.046$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.046$
1	661.3		682.3	14,709.2		
2						
3						
4						
5						

Absolute Open Flow		1537	Mcf/d @ 15.025	Angle of Slope	45°	Slope, n	1.0
Remarks:							

Approved by Commission:	Conducted By: S. L. Collins	Calculated By: S. L. Collins	Checked By: G. W. Edwards
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OIL CONSERVATION