

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

Form C-122
 Revised 9-1-65

OCT 9 1973

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10- 2-73	
Company J. M. Huber Corporation				Connection Llano Pipeline Co.	
Pool				Formation Strawn	
Completion Date 8-13-67		Total Depth 12,200		Elevation 3259 KB	
Csg. Size 4 1/2"		Wt. 11.6		Set At 10,586	
Tbg. Size 2 3/8"		Wt. 4.7		Set At 10,234	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,198	
Producing Thru Tbg. L		Reservoir Temp. °F 178		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		State New Mexico		County Eddy	
Prover 10,234		Meter Run 3"		Taps Flange	

FLOW DATA			TUBING DATA			CASING DATA		Duration of Flow			
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.		Temp. °F		
SI							2558.0		Packer		63 1/4
1.	3 X 1.00			597.0	68.0	67	1801.0				24
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	4,789	203.7	610.2	0.9933	1.275	1.054	1,302
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.91	527	1.46	0.900	20.408	55 API @ 60	0.615	0.758	671 P.S.I.A.	362 R
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	3917.2	15344.5	238440.0	7317.5	2.097	1.798
2						
3						
4						
5						

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,341$$

Absolute Open Flow 2,341 Mcfd @ 15.025 Angle of Slope θ 51.5 Slope, n 0.792

Remarks: Produced 63.8 bbls. 55 API condensate
2.32 bbls. water

* P_r & P_s measured by A & A Engineering Company of Midland Texas

Approved By Commission:	Conducted By: L. Goodenough P. Powers	Calculated By: Paul C. Powers	Checked By:
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