

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special			Test Date 6/14/88		
Company Union Texas Petroleum Corp			Connection Gas Company of New Mexico		
Pool Blanco/West Lindrith			Formation Mesaverde/Gallup Dakota		
Completion Date 12/7/87		Total Depth 7834		Plug Back TD 7791	
Elevation 6811 GL		Farm or Lease Name Jicarilla F			
Cas. Size 4.588	Wt. 23.0 10.5	d 6.366 4.052	Set At 3640 3424-7834	Perforations: From 5063 To 7766	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7714	Perforations: From 7683 To 7714	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas-Multiple			Packer Set At		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico			
L	H	G _g .710	% 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	2"		3/4"				1388		1251		7 Days
1.							142	63°	644	63°	3 Hours
2.											
3.											
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. Factor F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		154	0.9971	0.9193	1.019	1779
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	R _w ²	P _t ² - R _w ²	(1) $\frac{P_c^2}{P_t^2 - R_w^2} = 1.2813$	(2) $\left[\frac{R_c^2}{P_t^2 - R_w^2} \right]^n = 1.2043$
1		656	430,336	1,529,664		
2						
3						
4						
5						

Absolute Open Flow 2142 Mcfd @ 15.025 Angle of Slope 0.75
 Remarks: Heavy mist liquid. 25% oil 75% water.

Approved By Division	Conducted By: Bruce Voiles	Calculated By: John C. Rector	Checked By:
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