

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 Sep 18, 74	
Company Universal Resources				Connection El Paso Natural Gas			
Pool Blanco				Formation Mesa Verde			
Completion Date Sep. 9 1974		Total Depth 4925'		Plug Back TD 4896'		Elevation	
Csg. Size 4.500		Wt. 10.50		Set At 4.052		Perforations: From 4598 To 4721	
Tbg. Size 1.900		Wt. 1.610		Set At 4557		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At	
Producing Thru TBG						Reservoir Temp. °F	
Mean Annual Temp. °F						Baro. Press. - P _a	
County San Juan						State New Mexico	
L		H		Gg		% CO ₂	
				.690		% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.							1062		1062		SIP
2.						64	191		819		3hr
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	12.365		203	.9962	.9325	1.019	2376
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Met/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deq.</td>	Deq.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXX</td>	XXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²
1.		831	690561	462915
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1153476}{462915}$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.9833$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4712$

Absolute Open Flow	Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: James L Smith	Calculated By: Ed mabe	Checked By: Ed Mabe
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