

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 11-3-68	
Company Aztec Oil and Gas				Conductor El Paso Natural Gas Company	
Well WC				Unit 2	
Completion Date 10-21-68		Total Depth 7760		Elevation 6466 Gr	
Formation Permian, G.O.				Farm or Lease Name Lawson Field	
Chd. Size 7-5/8 & 4-1/2	Wt. 13	Set At 3204 & 7760	From 3124	Well No. 2	
Wt. 13	Set At 3095	From 3124		Unit Sec. Twp. Rgs. B 31 32N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple CG Dual				County San Juan	
Producing Thru tubing		Reservoir Temp. °F 8		State New Mexico	
L	H	Cg	% CO 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.	
SI	2		3/4				557		887	
1.							252		767	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient for Q _g	$\sqrt{h_w P_m}$	Pressure p _g	Flow Temp. °F	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1	30.35		1.03	1.03	.9258	1.031	3123
2							
3							
4							
5							

NO.	P _g	Temp. °R	T _g	Z	Gas-Liquid Hydrocarbon Ratio	Mcf/bbl.
1					API Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Separator Gas	XXXXXX
4					Specific Gravity Separator Gas	XXXXXX
5					Specific Gravity Separator Gas	XXXXXX

$Q_g = \frac{C \cdot \sqrt{h_w P_m}}{P_g} \cdot F_g \cdot F_{pv}$

$Q_g = \frac{30.35 \cdot \sqrt{1.03 \cdot 1.03}}{1.03} \cdot .9258 \cdot 1.031$

$Q_g = 3123$

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$Q_g = \frac{30.35 \cdot \sqrt{1.03 \cdot 1.03}}{1.03} \cdot .9258 \cdot 1.031$

$Q_g = 3123$

Absolute Over. Flow 6319	Field & 15.00	Angle of Slope @	Slope
Remarks:			

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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