

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

Form O-107
Rev. 1-1-55

RECEIVED

SEP 10 1969

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-8-69	
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas	
Pool Basin				Unit	
Completion Date 9-1-69		Total Depth 6591		Plug Back TD 6565	
Elevation 6385 Gr		Farm or Lease Name State 572 Com			
Cas. Size 4.5	Wt. 10.5	d	Set At 6591	Perforations: From 6442 To 6465	
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 6450	Perforations: From Opened To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F	
				Baro. Press. - P _a	
				County San Juan	
				State New Mexico	
L	H	G _g	% 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	
1.											
2.	2		3/4				1640		1640		
3.							33		287		
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	12.365		45	1.000	.9258	1,000	515
2							
3							
4							
5							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.0339$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.0166$
1		299	89401	2639703		
2						
3						
4						
5						

Absolute Open Flow 523 Mcfd @ 15.025				Angle of Slope @ _____		Slope, n _____	
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	