

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

Form C-122
Revised 9-1-65

RECEIVED
DEC 12 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-10-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota			
Completion Date 12-10-85		Total Depth 7825		Plug Back TD 7818		Elevation 6591'	
Csg. Size 4.500		Int. Dia. 11.6		Set At 4.000 7825		Perforations: From 7563 To 7772	
Tub. Size 1.900		Int. Dia. 2.9		Set At 1.610 7756		Perforations: From To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tbg/		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L		H		G _g		County Rio Arriba	
				% CO ₂		State New Mexico	
				% N ₂		Prover	
				% H ₂ S		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							1841		2066		7 Days
1.											
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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ Y X X Y Y Y Y X Y
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 _r	P _w	P _u	P _r - P _w	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$			
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Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n _____
Remarks: _____			

Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Ed Mabe	Checked By: kld
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