

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

Form C-122
Revised 9-1-65

RECEIVED
OCT 07 1985
OIL CON. DIV.

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-1-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Pictured Cliffs	
Completion Date 7-1-85		Total Depth 5750		Plug Back TD 5728	
				Elevation 6479 GR	
Form or Lease Name Day					
Csq. Size 7.000	Wt. 20	d 6.456	Set At 3404	Perforations: From *3156 To 3202	
Tq. Size 1.610	Wt. 2.4	d 1.380	Set At 3193	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3222	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
				State New Mexico	
L	H	Gg .680	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							961		961		9 Days
1.			.750	131		55	131		603		3 Hrs.
2.											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		143	1.0048	.9393	1.014	1692
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 _____ 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

P _r 973	P _r ² 946729	
NO.	P _r	P _w
1	615	378225
2		
3		
4		
5		

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{946729}{568504}$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.5427$$

$$AQF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2610$$

Absolute Open Flow 2610	Mcfd ± 15.025	Angle of Slope →	Slope, n .85
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Remarks: *4.500 "Liner 3247' - 5728'

Blew dry gas throughout test.

Gas vented during test = 233 MCF.

Approved by Commission:	Conducted By: Bob Easterling	Calculated By: Ed Mabe	Checked By: kld
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