

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 8-23-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 8-23-85		Total Depth 6680		Plug Back TD 6665		Elevation 6330 GR	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		6680	
Perforations: From 6409 To 6546		Well No. #14E		Unit Sec. 0		Twp. 14	
Perforations: From To		Hgt. 26		County San Juan		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Baro. Press. - P _a 12	
Producing Thru Tbg.		Reservoir Temp. *F		Mean Annual Temp. *F		Prover Meter Run Taps	
L H Gg .690		% CO ₂		% N ₂		% H ₂ S	

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.			.750	220		82	1585		1790		7 Days
2.							220		589		3 Hrs.
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, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		232	.9795	.8715	1.022	2502
2.							
3.							
4.							
5.							

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

P _r 1802	P _w 3247204	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3247204}{2886003}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0925$
1.	601	361201	2886003
2.			
3.			
4.			
5.			

Absolute Open Flow 2733 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: Blew water mist during test. Gas vented during test 443 MCF			

Approved by Commission:	Conducted By: Bill Huntington	Calculated By: Cliff Brock	Checked By: kld
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