

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 9-17-85		(OWWO)									
Company El Paso Natural Gas				Connection											
Pool Blanco				Formation Mesa Verde		Unit									
Completion Date 9-17-85		Total Depth 4881		Plug Back TD 4867		Elevation 5812 GR									
Csg. Size 4.500		wt. 10.5		Set At 4881		Perforations: From 3765 To 4808									
Tbg. Size 2.375		wt. 4.7		Set At 4807		Well No. #3									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan									
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12									
L		H		G _g .690		% CO ₂									
				% N ₂		% H ₂ S									
				Prover		Meter Run									
				Taps											
FLOW DATA				TUBING DATA		CASING DATA									
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	Duration of Flow				
SI							679		779		7 Days				
1.			.750	223		81	223		635		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 Fg	Super Compress. Factor Fpv	Rate of Flow O. Meid								
1	12.365		235	.9804	.9325	1.022	2715								
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 Gas _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R										
1					RECEIVED SEP 19 1985 OIL CON. DIV. DIST. 3										
2															
3															
4															
5															
P _c	791	P _c ²	625681	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{625681}{207072}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2918$											
NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6222$									
1		644	418609	207072											
2															
3															
4															
5															
Absolute Open Flow				6222		Mcf @ 15.025		Angle of Slope		Slope, n .75					
Remarks: Lots of water during first 2 hr of test. Gas vented during test 356 MCF.															
Approved by Commission:				Conducted By: Bill Norman				Calculated By: Cliff Brock				Checked By: kld			