

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

Form C-122
Revised 9-1-66

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-18-85				
Company El Paso Natural Gas				Connection					
Pool Basin				Formation Dakota			Unit		
Completion Date 12-18-85		Total Depth 6931		Plug Back TD 6920		Elevation 5897 Gr		Farm or Lease Name McDermitt	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4150	Perforations: From *6774 To 6902			Well No. #1M		
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 6899	Perforations: From To			Unit Sec. Twp. Rge. E 06 31 12		
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 5025		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .700	% 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
1.			.750	147		64	1302				7 Days
2.							147				3 Hrs.
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	12.365		159	.9962	.9258	1.017	1844
2.							
3.							
4.							
5.							

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

P _r 1314	P _w 1726596				
NO.	P _r	P _w	P _r - P _w	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1726596}{1428480}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1528$
1		546	298116	1428480	
2					
3					
4					
5					

Absolute Open Flow 2126 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: *4.500 "Liner 3982'-6928'.			
Gas vented during test = 279 MCF/D			
Approved by Commission:	Conducted By: Don Norton	Calculated By: Ed Mabe	Checked By: kld