

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 7-18-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 7-18-85	Total Depth 6670	Plug Back TD 6649	Elevation 6295 GR
Farm or Lease Name Ballard		Well No. #12E	
Csg. Size 4.500	wt. 10.5	d 4.052	Set At 6670
Perforations: From 6380 To 6533		Well No. #12E	
Teg. Size 2.375	wt. 4.7	d 1.995	Set At 6525
Perforations: From To		Unit B 15 26 9 Rge.	
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
State New Mexico			
L	H	G _g .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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							942		1110		7 Days
1.			.750	113		81	113		429		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		125	.9804	.9258	1.015	1424
2							
3							
4							
5							

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

P _c 1122	P _c ² 1258884	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1258884}{1064403}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1341$
NO.	P _t	P _w	P _w ²
1			
2			
3			
4			
5			

Absolute Open Flow 1615 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: Produced medium spary liquid throughout test. Gas vented during test = 227 MCF.			
Approved By Commission:	Conducted By: Joe Gillentine	Calculated By: Ed Mabe	Checked By: kld