

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

Form C-122
 Revised 9-1-65

RECEIVED
 JUN 24 1985
 OIL CON. DIV.
 DIST. 8

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-20-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Pictured Cliffs	
Completion Date 6-20-85		Total Depth 5970		Plug Back TD 5952	
Elevation 6706 GR		Farm or Lease Name Hardie A			
Seq. Size 7.000	Wt. 20	d 6.456	Set At 3704	Perforations: From * 3391 To 3454	
Thg. Size 1.610	Wt. 2.4	d 1.380	Set At 3466	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3546	
Producing Thru Tbg.		Reservoir Temp. °F .		Mean Annual Temp. °F .	
Baro. Press. - P _a 12		State New Mexico			
L	H	G _g .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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							984		949		7 Days
1.			.750	81		60	81		409		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		93	1.000	.9393	1.009	1090
2							
3							
4							
5							

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

NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²
1		421	177241	791015
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{968256}{791015} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1875$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1294$$

Absolute Open Flow <u>1294</u> Mcfd @ 15.025		Angle of Slope @ _____	Slope, n <u>.85</u>
Remarks: <u>*4.500" Liner 3585' - 5969'</u>			
<u>Well blew dry gas vented throughout test. Gas vented during test = 175 MCF.</u>			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: