

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 9-12-85				
Company El Paso Natural Gas					Connection				
Pool Blanco					Formation Pictured Cliffs				
Completion Date 9-12-85		Total Depth 3150		Plug Back TD 3140		Elevation 6363 GR		Farm or Lease Name Hardie A	
Csg. Size 2.875	wt. 6.4	a 2.441	Set At 3150	Perforations: From 3017 To 3082		Well No. #6			
Tub. Size	wt.	a	Set At	Perforations: From To		Unit M	Sec. 24	Twp. 29	Rge. 08
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .670	% 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									1068		7 Days
1.			.750	56		60			56		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.356		68	1.000	.9463	1.009	803
2.							
3.							
4.							
5.							

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

P _r 1080	P _w 1166400	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1166400}{1159175}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.005$			
NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 807$
1		85	7225	1159175		
2						
3						
4						
5						

Absolute Open Flow 807 Mcf @ 15.025		Angle of Slope 85°	
Remarks: Gas vented during test - 117 MCF.			
Approved by Commission:	Conducted By: Norman Waggoner	Calculated By: Cliff Brock	Checked By: kld