

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 3015	Plug Back TD 3005
		Elevation 6313 GR	Form or Lease Name Hardie B
Csg. Size 2.875	MT 6.4	Set At 2.441	Set At 3015
Perforations: From 2869 To 2972		Well No. #3	
Tubingless completion		Unit K	
Type Well - Single - Bradenhead - G.C. 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	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Tops
.670			

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
1.			.750	60		64			734		7 Days
2.									60		3 Hrs.
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		72	.9962	.9463	1.009	847
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _r 746	P _a 556516		
NO.	P _r	P _a	P _r ² - P _a ²
1	90	8100	548416
2			
3			
4			
5			

(1) $\frac{P_r^2}{P_r^2 - P_a^2} = \frac{556516}{548416}$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_a^2} \right]^n = 857$

(2) $\left[\frac{P_r^2}{P_r^2 - P_a^2} \right]^n = 1.013$

Absolute Open Flow 857	Mcf @ 15.025	Angle of Slope 85
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Remarks: Light mist during test. Gas vented test 132 MCF.

Approved by Commission:	Conducted By: Bill Norman	Calculated By: Cliff Brock	Checked By: kld
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