

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-22-82			
Company Curtis J. Little				Connection El Paso Natural Gas Co.					
Pool Ballard				Formation Pictured Cliff				Unit	
Completion Date 10-15-82		Total Depth 2315		Plug Back TD 2284		Elevation 6379 G.L.		Farm or Lease Name Salazar	
Csg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 2296	Perforations: From 2158 To 2252		Well No. 5			
Trq. Size	Wt. Slim Hole	d	Set At	Perforations: From To		Unit Sec. Twp. Rye. E 34 25N 6W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g 12 psia		State New Mexico	
L	H	C _g .650	% 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	7 days								561		
1.	2 inch		.750	199					199		3 hours
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, Mcfd
1	12.3650		211	1.000	.9608	1.020	2557
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 _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX%
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 573	P _c ² 328329	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2424$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.20261$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		253	64063	264266
3		Calculated		
4				
5				

Absolute Open Flow _____ 3075 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ 85 _____
Remarks: Gas completely dry			

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
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