

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 7-25-79	
Company Southland Royalty Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 7-18-79		Total Depth 3279'		Plug Back TD 3262'		Elevation 6467' GR
Farm or Lease Name Lawson		Well No. 4				
Csg. Size 2.875	Wt. 6.5#	d 2.441	Set At 3272	Perforations: From 3067' To 3118'		Unit Sec. Twp. Rge. D 31 32N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						
Producing Thru Csg		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover
Moter 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.	
SI									768	
1.	2" X 3/4"								38	1 hr.
2.									28	2 hrs.
3.									25	3 hrs.
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		37.2	1.0000	.9258	1.0000	426
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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
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 _c 780.2	P _c ² 608,712	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0023$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0019$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		37.2	1384	607,328
2				
3				
4				
5				

Absolute Open Flow _____ 427 _____ Mcfd @ 15.025		Angle of Slope _____
Remarks: _____		

Approved By Commission:	Conducted By: Charles Saiz	Calculated By: James Smith	Checked By:
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