

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 5-22-79	
Company Southland Royalty Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 5-15-79		Total Depth 4927'		Plug Back TD 4923'		Elevation 5905' GR
Farm or Lease Name Zachry Com						Well No. 1-A
Csg. Size 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 2520 2379-4925	Perforations: From 4610' To 4864'		Unit Sec. Twp. Rge. C 2, 30N, 12W
Thq. Size 2.375	Wt. 4.7#	d 1.995	Set At 4848'	Perforations: From To		Unit Sec. Twp. Rge. C 2, 30N, 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County San Juan
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F #		State New Mexico
L	H	Gg .700	% 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.	
SI							1013		1041	
1.	2" X 3/4"						291		604	1 hr.
2.							240		501	2 hrs.
3.							214		449	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		226.2	1.0000	.9258	1.0000	2589
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.2373$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.1731$
1		461.2	212705	896525		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 3037$

Absolute Open Flow	3037	Mcf/d @ 15.025	Angle of Slope	Slope, n .75
Remarks:				

Approved By Commission	Conducted By Jim Bacon	Calculated By James Smith	Checked By
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