

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 5-5-79	
Company Southland Royalty Company				Connection Southern Union Gathering Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 4-30-79		Total Depth 5316'		Plug Back TD 5240		Elevation 6188' GR
Farm or Lease Name Thompson		Well No. #4A				
Csg. Size 7.000 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 2846' 2692-5305'	Perforations: From 4936' To 5156'		Unit (I)
Thq. Size 2.375	Wt. 4.7#	d 1.995	Set At 5156'	Perforations: From To		Sec. Twp. Rge. 27-31N-12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --		County San Juan
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12.2		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							974		974	
1.	2"	X	3/4"				321		694	1 hr
2.							285		626	2 hrs
3.							265		592	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		277.2	1.000	.9258	1.0000	3173
2.							
3.							
4.							
5.							

NO.	P _t	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
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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1		604.2	365,058	607,532
2				
3				
4				
5				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.6009$

(2) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.4232$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 4,516$

RECEIVED

MAY 17 1979

OIL CON. COM.

DIST. 3

Slope, n = .75

Absolute Open Flow 4,516 Mcfd @ 15.025	Angle of Slope Θ
Remarks:	
Approved By Commission:	Conducted By: Jim Bacon
Calculated By: James Smith	Checked By: