

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-29-78	
Company Southland Royalty				Connection Southern Union Gathering			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 8-20-78		Total Depth 5834'		Plug Back TD 5779'		Elevation 6473' GR	
Well No. 4.500		WT. 20# 10.50#		d 6.456 4.052		Set At 3518 3380-5826	
Perforations: From 4762' To 5184'		Perforations: From 5345' To 5584'		Farm or Lease Name Vanderslice		Well No. 2A	
Tub. Size 2.375		WT. 4.70		d 1.995		Set At 5622'	
Unit E		Sec. 18		Twp. 32N		Rnge. 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At -----	
Producing Thru Tbg.				Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2" X 3/4"						585		801	
2.							325		720	1 Hr.
3.							308		691	2 Hrs.
4.							299		673	3 Hrs.
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		311.2	1.0000	.9258	1.0000	3562
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	OIL CON. COM.	Mcfd/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	DIST. 3	Deq.
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 813.2	P _c ² 661,294	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.4479$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5303$
NO.	P _f ²	P _w	P _w ²
1.		685.2	469,499
2.			
3.			
4.			
5.			

Absolute Open Flow 9013 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Commission	Conducted By Bob Shindledecker	Calculated By James Smith	Checked By