

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

Form C-
Revised

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-3-83	
Company The Superior Oil Company				Connection Transwestern	
Pool Wildcat				Formation Atoka	
Completion Date 8-4-82		Total Depth 15950'		Plug Back TD 14,750'	
				Elevation 3728.3	
Form or Lease Name Triste Draw Fed.					
Well No.					
7 5/8" Liner		Wt. 18#	d 4.276	Set At 2,650	Perforations: From 14,373 To 14,584
2 7/8" Tubing		Wt. 6.5#	d 2.441	Set At 14,200'	Perforations: From To
2 3/8" Tubing		Wt. 4.7#	d 1.995	Set At 14,200'	Perforations: From To
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At 14,200'	
Producing Thru Tubing		Reservoir Temp. °F 202° @ 14,572'		Mean Annual Temp. °F 60°	
				Baro. Press. - P _a 13.2	
L 14,572		H 14,572	G _g .592	% CO ₂ .741	% N ₂ 1.680
				% H ₂ S	Prover
					Meter Run 2"
					Taps Flan

FLOW DATA							TUBING DATA		CASING DATA		Durat of Flo
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							4465		PKR	CHOKE	48
1.	2	x	1.000	710	4"	70°	4236			4/64	1
2.	2	x	1.000	710	8	70	4015			6/64	1
3.	2	x	1.000	715	19	69	3675			8/64	1
4.	2	x	1.000	715	73	64	2851			11/64	1
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	4.946	53.75	723.2	.9905	1.300	1.057	362
2	4.946	76.06	723.2	.9905	1.300	1.057	512
3	4.946	117.63	728.2	.9915	1.300	1.059	794
4	4.946	230.56	728.2	.9962	1.300	1.06	1567
5							

NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.08	530	1.50	.895			592	XXXXXX	672	354
2	1.08	530	1.50	.895						
3	1.08	529	1.49	.892						
4	1.08	524	1.48	.889						
5										

NO.	P ₁ ²	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1	4274.9	18274.8	1954.5		1.857	1.800
2	4104.7	16848.6	3380.7			
3	3832.4	14687.3	5542.0			
4	3055.8	9337.9	10891.4			
5						

Absolute Open Flow 2820		Angle of Slope θ 46.5		Slope, c 94	
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Remarks: * Calculated from known bottom hole pressures, pressures measured with Kuster Gauge. BHPB set @ 14,572 feet.

Approved By Commission:	Conducted By: W.S.	Calculated By: RER	Checked By: RR
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