

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 3/23/67	
Company Sinclair Oil & Gas Company		Connection None	
Pool Wildcat		Formation Narrow	
Completion Date 3/14/67		Total Depth 9935	
Plug Back TD 9900		Elevation	
Form or Lease Name Trigg Federal		Well No. 1	
Coq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 9935
Perforations: From 9781 To 9795		Well No. 1	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 9732
Perforations: From To		Unit Sec. Twp. Rge. E 27 18S 27E	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single		Packer Set At 9665	
Producing Thru Tubing		Reservoir Temp. °F 161, at 9781	
Mean Annual Temp. °F 68		Baro. Press. - P _a 29.8	
State New Mexico		County Eddy	
L 9781	H 9731	G _g .572	% CO ₂ % N ₂ % H ₂ S -- -- --
Prover X		Meter Run X	
Taps Flange			

FLOW DATA					TUBING DATA		GAS NG 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	
1.	1		1 1/2	130	1	66	29.8	49	7/31
2.	1		1 1/2	118	10	60	29.8	45	8/31
3.	1		1 1/2	104	22	56	29.8	43	13/31
4.	1		1 1/2	102	44	48	29.8	41	20/31
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.	10.97	16.83	118.2	0.999	1.000	1.000	247
2.	10.97	12.25	104.0	0.999	1.000	1.001	592
3.	10.97	62.65	102.0	0.999	1.000	1.013	193
4.	10.97	95.78	102.0	0.999	1.000	1.016	140
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/lb.
1.	0.21	516	1.53	0.99	77.5	
2.	0.21	512	1.57	0.99	55	
3.	0.25	500	1.50	0.99	577	XXXXXXX
4.	0.29	508	1.47	0.99	XXXXX	7907
5.						

P _a 3133.2	P _w 8438.0	(1) $\frac{P_a^2}{P_w^2 - P_a^2} = 0.590$	(2) $\left[\frac{P_a^2}{P_w^2 - P_a^2} \right]^n = 0.692$
NO.	P _w	P _w ²	P _w ² - P _a ²
1.	8407	2913.5	8408
2.	8413	2510.2	8453
3.	4446	2139.0	4490
4.	376	650.0	446
5.			

Absolute Open Flow		1501	Mcfd @ 15.025	Angle of Slope θ	Slope, n (1/2)
Remarks:					
Approved By Commission:		Conducted By:		Checked By:	