

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 4/17/72	
Company Ted Weiner				Connection None			
Pool Wildest				Formation Ciaco		Unit	
Completion Date 3/15/72		Total Depth 7725'		Plug Back TD 7661'		Elevation 4372 KB	
Csg. Size 4 1/2		Wt. 10.5		Set At 7725'		Perforations: From 7608 To 7618	
Tbg. Size 2 3/8		Wt. 4.7		Set At 7554'		Perforations: From open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 7456	
Producing Thru Tubing		Reservoir Temp. °F 127° 7627		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
L 7554		H 7554		G _g .735		% 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.	Temp. °F	
SI							1894		choke		27 days
1.	2	X	1.25	8.8		83	1590	72	10/64		1 hour
2.	2	X	1.25	16.2		80	1399	75	12/64		1 hour
3.	2	X	1.25	21.1		70	1164	75	14/64		1 hour
4.	2	X	1.25	22.6		67	860	75	16/64		1 hour
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	700.7*		22.0	.9786	1.166	1.000	800
2	1013 *		29.4	.9813	1.166	1.000	1159
3	1201 *		34.3	.9905	1.166	1.000	1387
4	1264 *		35.8	.9933	1.166	1.000	1464
5							

NO.	P _t	Temp. °R	T _r	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	0.03	543	1.35	-	74.251	52.0	.735	X X X X X X X X	668	401
2	0.04	540	1.35	-						
3	0.05	530	1.32	-						
4	0.05	527	1.31	-						
5										

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	2570.2	2583.1	1054.3	1.647	1.437
2	1994.3	2022.6	1614.8		
3	1385.8	1428.3	2209.1		
4	762.5	814.8	2822.6		
5					

Absolute Open Flow 1993 Mcfd @ 15.025		Angle of Slope θ	Slope, n .727
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Remarks: *** 2" orifice well tester, 100" Hg.**

Approved By Commission <i>[Signature]</i>	Conducted By: <i>Ralph L. Brown</i>	Calculated By: <i>Kenia Hall</i>	Checked By:
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MAY 1 1972

OIL CONSERVATION COMM.
HOBBS, N. M.