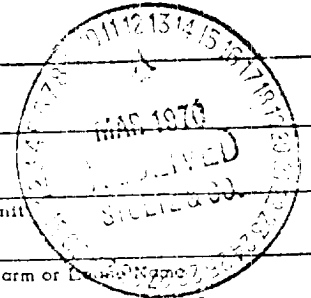


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST **GAS WELL**

Form C-122
Revised 5-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-4-70			
Company Explor Company				Connection None		Unit			
Pool Wildcat				Formation Penn.		Farm or Lease Name			
Completion Date		Total Depth		Plug Back TD		Elevation			
Csg. Size		Wt.	d	Set At	Perforations: From To		Well No. 1		
Tbg. Size		Wt.	d	Set At	Perforations: From To		Unit	Soc.	
2 3/8		4.7	1.995	9400			G	23	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂		% N ₂	% H ₂ S	Prover	Meter Run	
		.669						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							2103				72
1.	6" Pos.Cks.3/16			1918		73	1918	73			1
2.	6" Pos.Cks.1/4			1715		74	1715	74			1
3.	6" Pos.Cks.5/16			1420		73	1420	73			1
4.	6" Pos.Cks.3/8			1021		75	1021	75			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	.6101		1931.2	.9877	1.223	1.179	1,679
2	1.112		1728.2	.9868	1.223	1.170	2,714
3	1.771		1433.2	.9877	1.223	1.146	3,514
4	2.591		1034.2	.9859	1.223	1.106	3,573
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	2.88	533	1.41	.719	70.710	
2.	2.58	534	1.41	.731	60.5 (.7300)	
3.	2.14	533	1.41	.761		
4.	1.54	535	1.42	.817		
5.						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 2.174$ $(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.595$ $AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 5.605$
1	3729.5		3892.7	585.6		
2	2986.7		3134.3	1344.2		
3	2054.1		2418.0	2060.3		
4	1069.6		1393.9	3084.4		
5						

Absolute Open Flow	5,605	Mcf/d @ 15.025	Angle of Slope @	59.0	Slope, n	.601
Remarks: Wellhead potential 5,100 MCF/D with slope n = .601						

Approved By Commission:	Conducted By: J. B. Murray	Calculated By: J. B. Murray	Checked By:
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