

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 4/7/81	
Company JACK A. COLE		Connection None	
Pool Wildcat		Formation Chacra	
Completion Date 3/27/81	Total Depth 1604'	Plug Back To 1523'	Flowmeter 6833'GR
Csg. Size 4-1/2"	Wt. 9.50	d 4.090	Set At 1566'
Perforations: From 1426' To 1469'		Well No. 9	
Thq. Size 1-1/4"	Wt. 2.40	d 1.380	Set At 1433'
Perforations: From 1429' To 1433'		Unit Sec. Twp. Rge. F 6 21N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At --	
Producing Thru Tubing		Reservoir Temp. °F 83 @ 1604'	
Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0	
State New Mexico		County Sandoval	
L 1433	H 1433	G _g --	% 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
1.	3/4	THC					400		425		11 days
2.							50		75		3 hrs.
3.											
4.											
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	12.3650		62	1.000	1.000		766
2.							
3.							
4.							
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	Mcf/bbl.	Deg.
1.												
2.												
3.												
4.												
5.												

NO.	P _t ²	P _w	P _w ²	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		87	7,569	183,400	1.0413	1.0349
2						
3						
4						
5						

Absolute Open Flow		793	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.85
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Remarks:			

Approved By Commission:	Conducted By: Gary Lopez	Calculated By: Dewayne Blancett	Checked By:
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