

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		Date: 4/7/81	
Company JACK A. COLE				Connection NONE					
Pool Wildcat				Formation Chacra				Unit	
Completion Date 3/28/81		Total Depth 1590'		Plus Back TI 1522'		Elevation 6819'GR		Farm or Lease Name Alamos Canyon	
Csg. Size 4-1/2"	Wt. 9.50	d 4.090	Set At 1565'	Perforations: From 1382' To 1422'		Well No. 10			
Tbg. Size 1-1/4"	Wt. 2.40	d 1.380	Set At 1402'	Perforations: From 1398' To 1402'		Unit C	Sec. 9	Twp. 21N	Rge. 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --		County Sandoval			
Producing Thru Tubing		Reservoir Temp. °F 83 @ 1565		Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0		State New Mexico	
L 1402	H 1402	Gg --	% 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							400		425		9 days
1.	3/4" THC						25		80		3 hrs.
2.											
3.											
4.											
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	12.3650		37	1.000	1.000		457
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
1.										
2.										
3.										
4.										
5.										

P _c 437	P _c ² 190,969	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0464$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0393$
NO.	P _t ²	P _w	P _w ²
1		92	8,464
2			
3			
4			
5			

Absolute Open Flow 475 Mcfd @ 15.025		Angle of Slope 0		Slope, n 0.85	
Remarks:					
Approved By Commission:		Conducted By: Gary Lopez		Calculated By: Dewayne Blancett	
				Checked By:	