

**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	
Completion Date 3/27/81	Total Depth 1625'	Plug Back TI 1564'	Elevation 6824'GR
Farm or Lease Name Alamos Canyon		Well No. 11	
Csg. Size 4-1/2"	Wt. 9.50	d 4.090	Set At 1608'
Perforations: From 1396' To 1431'		Well No.	
Thq. Size 1-1/4"	Wt. 2.40	d 1.380	Set At 1410'
Perforations: From 1406' To 1410'		Unit Sec. Twp. Rge. M 4 21N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At --	
Producing Thru Tubing 1410		Baro. Press. - P_b 12.0	
Reservoir Temp. °F 83 @ 1625		Mean Annual Temp. °F 60	
State New Mexico		County Sandoval	
L 1410	H 1410	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							425		450		10 days
1.	3/4" THC						10		50		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		22	1.000	1.000		272
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 462	P _c ² 213,444	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0183$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0155$
NO.	P _t ²	P _w	P _w ²
1		62	3,844
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 276$

Absolute Open Flow	276	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.85
Remarks:				

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