

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 1/9/76			
Company W. M. Gallaway				Connection					
Pool Undesignated				Formation Undesignated Fruitland				Unit	
Completion Date 1-2-1976		Total Depth 1592		Log Back TD 1556		Elevation		Farm or Lease Name Charles	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 1592	Perforations: From 1486 To 1491		Well No. 1			
Thg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. M 24 28N 11W			
NO TUBING									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ----		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 1475	H	Gg 0.620	% 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	2"		3/4"						630		7 Days
1.									66	59°	3 Hours
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		78	1.0010	0.9837	1.000	950
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	_____ Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

P _c 642	P _c ² 412,164					
NO.	P ₁ 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			6212	405,952	1.0153	1.0129
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **962**

Absolute Open Flow 962	Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n 0.85
Remarks: _____			

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By: <i>[Signature]</i>
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