

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 Aug. 3, 1972	
Company Merrion & Bayless			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit
Completion Date July 27, 1972		Total Depth 6822	Plug Back TD		Elevation 6585 GR
Farm or Lease Name Canada Mesa		Well No. 1			
Csg. Size 4-1/2"	Wt. 11.6	d 9.5, 10.5	Set At 6821	Perforations: From 6456 To 6616	
Tbg. Size 2-3/8"	Wt. 4.7	d	Set At 6640	Perforations: From Open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County Rio Arriba
Producing Thru Tbg		Reservoir Temp. °F @	Mean Annual Temp. °F		State New Mexico
L	H	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	Choke 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			2315			2315				
1.	2"	3/4				130	60	900	60	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	14.2835			1.000	.9258	1.017	1910
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.				Specific Gravity of Liquid Hydrocarbons _____ Deg.
2.				Specific Gravity Separator Gas 0.7 XXXXXXXXXX
3.				Specific Gravity Flowing Fluid XXXXX
4.				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				Critical Temperature _____ R

P _c 2327 P _c ² 5,414,929						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.18148$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.133$
1		912	831.744	4,583.185		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2164$		Absolute Open Flow 2164 Mcfd @ 15.025	Angle of Slope @ _____ Slope, n .75
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Remarks: *SITP measured after 7 day shut in.*

Approved By Commission:	Conducted By: Merle Ellsaesser	Calculated By: J. Gregory Merrion	Checked By:
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