

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-18-83		JUL 22 1983	
Company VERYL F. MOORE				Connection GAS COMPANY of NEW MEXICO					
Pool BALLARD				Formation PICTURE CLIFF				Unit SF 078431	
Completion Date 7-10-83		Total Depth 2850		Plug Back TD 2793		Elevation 6834 KB		Farm or Lease Name CON HALE	
Csg. Size 2.875	Wt. 6.4	d	Set At 2842	Perforations: From 2599 To 2681		Well No. 3 J			
Teg. Size NONE	Wt.	d	Set At	Perforations: From N/A To		Unit H	Sec. 26	Twp. 26	Rge. 8
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE		County SAN JUAN	
Producing Thru CSG		Reservoir Temp. °F 109 @ 2850		Mean Annual Temp. °F		Baro. Press. - P _g		State NEW MEXICO	
L	H	G _g 0.675	% 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"	0.750					NONE		331		8 day
1.	2"	0.750		79			NONE				1 hr
2.	2"	0.750		58			NONE				2 hr
3.	2"	0.750		49			NONE			58	3 hr
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	12.365		61	1.0019	0.9427	1.005	716
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	343				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 343	P _c ² 117649	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1999$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1675$	
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	3721	140	19600	98049
2				
3				
4				
5				

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 836$

Absolute Open Flow 836 Mcfd @ 15.025	Angle of Slope @	Slope, n 0.85
--------------------------------------	------------------	---------------

Remarks: WELL BLEW DRY GAS THROUGHTOUT THE TEST			
---	--	--	--

Approved By Commission:	Conducted By: VERYL MOORE	Calculated By: H.E. McANALLY	Checked By:
-------------------------	------------------------------	---------------------------------	-------------