

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 5-2-77					
Company Tenneco Oil Company					Connection					
Pool Blanco Mesa Verde					Formation Mesa Verde					
Completion Date 4/23/77					Total Depth 4905'		Plug Back TD 4826'		Elevation 5686'	Form or Lease Name Jacques
Csg. Size 4 1/2"	Wt. 10.5#	d	Set At 4889'	Perforations: From 4725' To 4412'			Well No. 2-A			
Thg. Size 2-3/8"	Wt. 4.7#	d	Set At 4713'	Perforations: From 4026' To 4454'			Unit D	Sec. 25	Twp. 30N	Rge. 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None Set			County San Juan		
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico		
L	H	Gg .680	% 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.	
SI							731		643	
1.	2x6x.75			191			191	64	568	-
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	11		203	.9962	1.213	1.0222	2758
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.30	524	1.36	.952	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 655	P _c ² 429025			
NO.	P _r ²	P _w ²	P _w ²	P _c ² - P _w ²
1		580	336400	92625
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.6318$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8708$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n_2} = 3.1573$

Absolute Oper. Flow	8708	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By: J. D. Hicks	Checked By: