

Attn: Steve Rawlings TOC

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

RECEIVED

DEC 22 1988

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/24/88		OIL CON. DIV DIST. 2			
Company TENNECO OIL CO.				Connection EL PASO NATURAL GAS							
Pool Blanco				Formation PICTURED CLIFF				Unit			
Completion Date			Total Depth 3294		Plug Hole 1... 3275		Elevation		Farm or Lease Name BARRETT		
Cas. Size 4.5	Wt. 10.5	d	Set At 3294	Perforations: From 2800 To 3211		Well No. 13					
Thq. Size 2.375	Wt. 4.7	d	Set At 3173	Perforations: From To		Unit Sec. Twp. Rge. A 20 31N 9W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County SAN JUAN			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State NEW MEXICO			
L	H	Q _g .660	% CO ₂	% N ₂	% H ₂ S	Prover	Motor 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
1.	2 x 6 x 3/4						590		590		
2.							116		218	50°	3 hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	.11.0		128	1.010	1.231	1.014	1775
2							
3							
4							
5							

NO.	P ₁	Temp. °R	Q	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.191	510	1,349	.972	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 602	P _c ³ 362,404	(1) $\frac{P_0^2}{P_0^2 - P_w^2} = 1.171$	(2) $\left[\frac{P_0^2}{P_0^2 - P_w^2} \right]^n = 1.1436$	
NO	P ₁ ²	P _w	P ₀ ²	P ₀ ² - P _w ²
1		230	52900	309504
2				
3				
4				
5				

AOF = Q $\left[\frac{P_0^2}{P_0^2 - P_w^2} \right]^n = 2030$ Submitted to Commission 12/20/88

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .85
Remarks: _____		
Approved By Commission _____	Conducted By _____	Calculated By _____
Checked By _____		