

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

Form C-122
Revised 9-1-65

OCT 02 1985

RECEIVED
OIL CON. DIV.
DIST. (3WWO)

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-30-85			
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Mesa Verde			
Completion Date 9-30-85		Total Depth 5900		Plug Back TD 5796		Elevation 6425 GR	
Farm or Lease Name Schumacher				Well No. #1			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5812	Perforations: From 5304 To 5661		Unit G	
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 5606	Perforations: From To		Sec. 17	Twp. 30
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At none		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	H	G _g .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.		Temp. °F
SI							870		875		7 Days
1.			.750	95		65	95		728		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		107	.9952	.9393	1.009	1248
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 _r 887	P _w 740	P _w ² 547600	P _r ² 786769	P _r ² - P _w ² 239169
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1		740	547600	239169
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{786769}{239169}$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3048$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.4426$

Absolute Open Flow 3048	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Gas vented during test = 144 MCF.

Approved by Commission:	Conducted By: Gabe Archibeque	Calculated By: Ed Mabe	Checked By: kld
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