

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

Form C-122
Revised 9-1-65

OCT 18 1985

OIL CON. DIV.
DIST. 3
OWWO

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-16-85			
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 10-16-85		Total Depth 5723		Plug Back TD 5711		Elevation 6381 GR	
Form or Lease Name Schumacher				Well No. #9			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5722	Perforations: From 5212 To 5634		Unit Sec. Twp. Rge. N 17 30 10	
Tq. Size 2.375	Wt. 4.7	d 1.995	Set At 5603	Perforations: From To			
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							735		775		7 Days
1.			.750	225		72	225				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 F _g	Super. Comp. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.365		237	.9887	.9393	1.023	2784
2.							
3.							
4.							
5							

NO.	P _f	Temp. °R	T _f	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 _c 787	P _w 619369	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{619369}{397528}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3946$
NO.	P _f	P _w	P _c ² - P _w ²
1		471	221841
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3882$

Absolute Open Flow 3882 Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: Produced light mist liquids throughout test.
Gas vented during test = 372 MCF.

Approved by Commission:	Conducted By: Carl Rhames	Calculated By: Ed Mabe	Checked By: kld
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