

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 9-23-78			
Company Union Texas Petroleum				Connection El Paso					
Pool Blanco				Formation Frictured Cliffs				Unit	
Completion Date 9-16-78		Total Depth 3684		Plug Back TD 3680		Elevation		Farm or Lease Name Johnston Federal	
Crq. Size 5.500	Wt. 14#	d 5.012	Set At 3684	Perforations: From 3476 To 3525		Well No. 12			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3517	Perforations: From Open To Ended		Unit 0	Sec. 7	Twp. 31N	Rge. 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. *F 6		Mean Annual Temp. *F		Baro. Press. - P _a 12 psia (est.)		State New Mexico	
L	H	G _g .650 est.	% 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
1.	2 inch	.750	232				232	60	603	60	3 hours
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.	12.3650		244	1.000	.9608	1.024	2968
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 _c 808	P _c ² 65,2864	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.3772}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.0876}$	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1.		615	378,225	274,639
2.				
3.				
4.				
5.				

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{6196}$

$\text{Absolute Open Flow } \underline{6196} \text{ Mcfd @ } 15.025 \text{ Angle of Slope } \underline{85.}$

Remarks: _____

Approved By Commission:	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge	Checked By: Mr. Don Wells
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