

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

Form C-122
 Revised 9-2-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-24-79	
Company Union Texas Petroleum				Connection El Paso Natural Gas			
Pool Blanco				Formation Picture Cliff		Unit	
Completion Date 10-15-79		Total Depth 3425		Plug Back TD 3400		Elevation NA	
Form or Lease Name Johnston Federal							
Csg. Size 5.500	Wt. 14#	d 5.012	Set At 3424	Perforations: From 3062 To 3108		Well No. #16	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3121	Perforations: From Open To Ended		Unit Sec. Twp. Rge. D 33 31 9	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
L	H	Gg .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.	
SI	9 days						1102		1102	
1.	2 inch	.750		326			326	60°	671	60°
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,3650		338	1.000	.9608	1.035	4156
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 1114	P _c ² 1,240,996		
NO.	P _t ²	P _w	P _w ²
1		683	466,489
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6000$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.49107$$

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

Absolute Open Flow	6196	Mcf/d @ 15.025	Angle of Slope θ	Slope, n = .85
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Remarks: Dry gas throughout test- show of condensate

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