

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 12-19-79				
Company Union Texas Petroleum				Connection El Paso Natural Gas					
Pool Blanco				Formation Pictured Cliff				Unit	
Completion Date 12-5-79		Total Depth 3654		Plug Back TD		Elevation		Farm or Lease Name Johnston Federal	
Crp. Size 5.500	Wt. 14#	d 5.012	Set At 3654	Perforations: From 3433 To 3491		Well No. 11Y			
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 3436	Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 7 31N 9W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3420		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F e		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia est.		State N.M.	
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.	Temp. °F	
SI	14 days						697				
1.	2 inch .750			118			118	54°			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		130	1.0058	.9608	1.012	1572
2.							
3.							
4.							
5.							

NO.	P _t	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 709	P _c 502.681					
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1096$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.09245$
1		223	49667	453,014		
2						
3						
4						
5						

Absolute Open Flow 1717		Mcf/d @ 15.025	Angle of Slope θ	Slope, n = .85
Remarks: Well flowed dry gas for 30 minutes. Heavy spray of water remainder of test.				

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