

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 12-12-79			
Company Union Texas Petroleum				Connection El Paso Natural Gas					
Pool Blanco				Formation Fruitland				Unit	
Completion Date 12-5-79		Total Depth 3654		Plug Back TD 3523		Elevation		Farm or Lease Name Johnston Federal	
Csg. Size 5.500	Wt. 14#	d	Set At 3654	Perforations: From 3275 To 3412		Well No. 11-Y			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. N 7 31N 9W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 3420		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia (est)		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.		Temp. °F
SI	7 days								718		
1.	2 inch		.750	38					38	510	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		50	1.0088	.9608	1.008	604
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0052$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00439$ $AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 607$
1			2745	530,155	
2					
3					
4					

Absolute Open Flow _____ 607 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .85
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Remarks: _____ Dry gas for 2 hours- Heavy spray of water last hour of test _____		_____ DIST. 3
Water sample= _____		

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