

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 5-2-77	
Company Union Texas Petroleum				Connection El Paso	
Pool Blanco				Formation Mesaverde	
Completion Date 4-25-77		Total Depth 5215		Plug Back TD 5173	
		Elevation 5860		Farm or Lease Name Johnston-Federal	
Csg. Size 4.500	Wb 20&23#	d 6.336	Set At 2908	Perforations: From 4383 To 5155	
Thq. Size 2.375	Wt. 4.7	d 4.052	Set At 5156	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F @		Baro. Press. - P _a Est. 12 psia	
Mean Annual Temp. °F @		State New Mexico		County San Juan	
L	H	Gg Est. .650	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Flow Line Size	X	Yoke Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days						487		487	
1.	2"		0.750				425	60°	367	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 _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		379	1.000	.9608	1.039	4678
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _c	P _w	R _w	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 4.2908$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2.9813$
1	400	437	190969	58032		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 13.947$

Absolute Open Flow	13.947	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Dry gas with slight show of oil for full 3 hours

4.500" liner set from 2624' to 5215'

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