

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

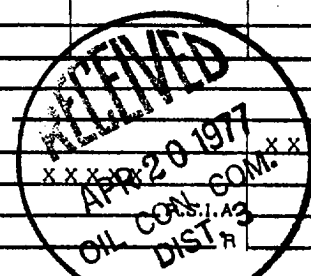
Form C-111
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special			Test Date 4-14-77		
Company Union Texas Petroleum			Connection		
Pool Blanco			Formation Mesaverde		
Completion Date 4-7-77		Total Depth 5601	Plug Back TD		Elevation GL-6394
Farm or Lease Name Prichard Federal			Well No.		
Perforations: 4904-5146	From 4647-4815		To 5246-5521		Unit 1-A
Perforations: From Open	To Ended		Unit 0	Sec. 6	Twp. 29N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County San Juan
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a Est. 12 psi		State New Mexico
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Est. .650			Prover		
Meter Run			Taps		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	TIME Line Size	X	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					638		647		
1.	2"	.750				273	60°	583	60°	3-hrs.
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		285	1.0000	.9608	1.028	3481
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} =$
1		595	354025	80256	5.4112	3.5479
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,350$

RECEIVED APR 18 1977

Absolute Open Flow	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: 4 1/2" 10.5# liner set from 3310 to 5601.
At 6 minutes-heavy surge of oil followed by surge of water. Produced condensate and trace of water throughout test.

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