

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 7-2-75			
Company Union Texas Petroleum				Connection					
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit I	
Completion Date 6-24-75		Total Depth 5400		Plug Back TD 5362		Elevation 5846		Farm or Lease Name Johnston-Federal	
Csg. Size 4-1/2	Wt. 10.5	d 4.052	Set At 2793/5398	Perforations: From 4354 To 4886		Well No. 3 A			
Tbg. Size 2-1/16	Wt. 3.25	d 2.063	Set At 4885	Perforations: From 4885 To Open ended		Unit I	Sec. 12	Twp. 30N	Rge. 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
L	H	Gg 0.65	% CO ₂	% N ₂	% H ₂ S	Prover X	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	2"						645		672	
1.	3/4" Pos. Choke			200	12	60	200		612	
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	11	--	212	1.000	1.217	1.021	2898
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	None	Mcfd/bbl.
1.	.2985	520	1.3867	.960	A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2.					Specific Gravity Separator Gas	XXXXXX	
3.					Specific Gravity Flowing Fluid	XXXXX	
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

P _c	684	P _c ²	467856
NO.	P _t ²	P _w	P _w ²
1	44944	624	389376
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.96$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.815$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11056$			

Absolute Open Flow	11056	Mcfd @ 15.025	Angle of Slope θ
Remarks: Flow through 6" choke nipple			

Approved By Commission:	Conducted By: Don Barnes	Calculated By: Donald B. Wells	Checked By:
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