

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 2/8/83			
Company Union Texas Petroleum Corp.				Connection Northwest Pipeline Corporation			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 1/24/83		Total Depth 8360		Plug Back TD 5961		Elevation 6616	
Form or Lease Name State Com. 31-8				Well No. 1			
Grp. Size 5.500	Wt. 26.40	d 6.969	Set At 5063	Perforations: From 5576 To 5898		Unit Sec. Twp. Rge. M 2 31N 8W	
Thg. Size 2.375	Wt. 4.70	d 1.995	Set At 5854	Perforations: From 5822 To 5837			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico	
L 5810	H	Gg 0.650	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				875		877		7 Days
1.							161	65°	512		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		173	0.9972	0.9608	1.016	2082
2.							
3.							
4.							
5.							

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NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1	889	790,321	524	274,576
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_t^2 - P_w^2} = \frac{1.5324}{1.3772}$$

$$AOI = Q \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2867$$

Absolute Open Flow	2082	Mcf @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:

Approved by Commission:	Conducted by: Steve Moore	Calculated by: Ken Roddy	Checked by:
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