

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 4/2/79	
Company Petroleum Corporation of Texas				Connection Waiting on Pipeline	
Pool Aztec Fruitland and Aztec Pictured Cliffs				Formation Fruitland & Pictured Cliffs	
Completion Date 3/20/79		Total Depth 2130'		Plug Back TD 2050'	
Elevation 5618'KB		Farm or Lease Name Hanley			
Csg. Size 4.50	Wt. 9.50 lb/ft 10.50	Set At 4.090	2102'	Perforations: 1725' to 1745' and 1932' to 1952'	
Tbg. Size 1.660	Wt. 2.40	Set At 1.380	1731'	Perforations: 1729' to 1731'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Downhole Commingled				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 89 @ 2130		Mean Annual Temp. °F 60°	
Baro. Press. - P _g 12.0		State New Mexico			
L 1729	H 1729	G _g 0.600	% 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
1.	3/4" THC						465		465		8 days
2.							100		375		3 Hrs.
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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		112	1.0000	1.0000	1.0000	1,385
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 _____ 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

P _c 477	P _c ² 227,529	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.9260$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4907$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		387	149,769	77,760
2.				
3.				
4.				
5.				

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,450$

Absolute Open Flow 3,450 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: _____

Approved By Commission:	Conducted By: Jerold Brooks	Calculated By: Ewell N. Walsh	Checked By:
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