

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: 10/30/81			
Company: PETROLEUM CORPORATION OF TEXAS				Connection: NONE					
Pool: Aztec Fruitland				Formation: Fruitland				Unit:	
Completion Date: 10/8/81		Total Depth: 2100'		Plug Back TD: 2065'		Elevation: 5552'GL		Farm or Lease Name: Hanley	
Csg. Size: 4.500	Wt. 10.50	d 4.000	Set At 2097'	Perforations: From 1654' To 1674'				Well No. 3	
Tbg. Size: 1.660	Wt. 2.40	d 1.380	Set At 1662'	Perforations: From Open To Ended				Unit Sec. Twp. Rge. N 18 29N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single Gas						Packer Set At:		County: San Juan	
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State: New Mexico	
L 1662	H 1662	G _g	% 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
SI							500		500		13 days
1.	3/4" THC						350		185		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		187	1.0000	1.0000	1.0000	2312
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 512	P _c ² 262,144	
NO.	P _i ²	P _w
1		362
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9995$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8021$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,166$			

Absolute Open Flow	4,166	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.85
Remarks:				
Approved By Commission:				
Conducted By: Dewayne Blancett		Calculated By: Dewayne Blancett		Checked By: