

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 5-23-74	
Company Petroleum Corp. of Texas				Connection Waiting on Pipeline		
Pool Aztec Pictured Cliffs				Formation Pictured Cliffs		Unit
Completion Date 5-12-74		Total Depth 2070		Plug Back TD 2013'		Elevation 5626 G.L.
Farm or Lease Name Hanley						Well No. 2
Csq. Size 4.500	Wt. 9.50	d 4.090	Set At 2052'	Perforations: From 1966 To 1980		Unit 2
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 1998	Perforations: From 1995 To 1998		Unit C 18 29N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 100° 2070		Mean Annual Temp. °F --		State New Mexico
L 1995	H 1995	Gg 0.620	% 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							426		426		11 da
1.	3/4" T. C.						36	60°	256		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		48	1.0000	0.9837	1.0000	584
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	
2					Specific Gravity Separator Gas	XXXXXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1	438	191,844	268	71,824	120,020	1.5984	1.4898
2.							
3.							
4.							
5.							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 870			
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Absolute Open Flow 870 Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:			
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Approved By Commission:	Conducted By: Ewell N. Walsh	Calculated By: Ewell N. Walsh	Checked By:
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