

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 1/28/81	
Company PETROLEUM CORP. OF TEXAS				Connection El Paso Natural Gas Company	
Pool Basin Dakota				Formation Dakota	
Completion Date 1/15/81		Total Depth 6590'		Plug Back TD 6523'	
				Elevation 6617'KB	
Farm or Lease Name Federal					
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 6571'	Perforations: From 6390' To 6366'	
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6378'	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				Baro. Press. - P _a 12.0	
Reservoir Temp. °F 147 @ 6590'				Mean Annual Temp. °F 60	
State New Mexico					
L 6378	H 6378	Gg 0.60	% 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							1340		1365		7 da.
1.	3/4" THC						120	60	500		3 hr.
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		132	1.0000	1.0000	1.0000	1,632
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 1377	P _c ² 1,896,129			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		512	262,144	1,633,985
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1604$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,825$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1180$

Absolute Open Flow 1,825	Mcf/d @ 15.025	Angle of Slope FEB 2 1981	Slope, n 0.75
Remarks:			

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