

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: 8-21-85	
Company: EHP Petroleum (Americas) Inc.						Connection:	
Pool: North Pinon				Formation: Fruitland		Unit: Gallegos Canyon Unit	
Completion Date: 8-14-85		Total Depth: 1245		Flow Back TD: 1195		Elevation: GR-5532'	
Csa. Size: 4.5		Wt. 10.5		Set At: 1238		Perforations: From 1118 To 1158	
Tbg. Size: 2.375		Wt. 4.7		Set At: 1107		Perforations: From To	
Type Well - Single - Brazenhead - G.G. or G.O. Multiple						Packer Set At	
Single						County: San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a : 12	
L		H		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
1.			3/4"	209			515	209	515	209	3 days
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.	14.1605		221	0.9905	0.9608	1.0167	3028
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio <u>0</u> Mcf/Ebl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas <u>N/A</u> XXXXX Specific Gravity Flowing Fluid <u>XXXXX</u> DIST. 3 Critical Pressure _____ P.S.I.A. Critical Temperature _____ R
1.					
2.					
3.					
4.					

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		221	48841	228888
2.				
3.				
4.				
5.				

P_c 527 P_c² 277,729

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2134$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1787$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3569$

Absolute Open Flow 3569 Mcfd @ 15.025

Angle of Slope 0 Slope, n 0.85

Remarks: Flow calculation assumes 0.65 gas gravity at 70°F. Fpv is based on A.G.A. Report No. 3.

Approved By Commission:	Conducted By: T. C. Durham	Calculated By: Paul Bertoglio <i>PCB</i>	Checked By:
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