

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 7-2-80		
Company J. P. McHugh			Connection		
Pool Basin Dakota			Formation Dakota		
Completion Date 5-27-80		Total Depth 6570'	Plug Back TD 6556'	Elevation 5951'	Form or Lease Name Pinon
Csq. Size 4-1/2"	Wt. 10.5#	d Set At 6587'	Perforations: From 6295 To 6486		Well No. #1E
Tbg. Size 1-1/2"	Wt. 2.9#	d Set At 6455'	Perforations: From Open To End		Unit Sec. Twp. Rge. L 13 30 14
Type Well - Single - Broadhead - G.O. or G.O. Multiple Single - Gas			Packer Set At		County San Juan
Producing Thru Tbg		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P <sub>a</sub>	State New Mexico
L	H	G <sub>g</sub> .65	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S
Prover		Meter Run	Taps		

NO.	FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1180		1910	7 days
1.										
2.										
3.	3/4" Pos Choke						48	80 <sup>0</sup>	470	3 hrs
4.										
5.										

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow O. Mcfd
1							
2							
3	12.365		60	.9813	.9608	1.009	706
4							
5							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio		Rate of Flow O. Mcfd
					A.P.G. Gravity of Liquid Hydrocarbons	Super Compress. Factor, F <sub>pv</sub>	
1							
2							
3							
4							
5							

P <sub>c</sub> 1922	P <sub>c</sub> <sup>2</sup> 3694084	(1) $\frac{P_c^2}{R_c^2 - R_w^2} = 1.0671$	$\left[ \frac{P_c^2}{R_c^2 - R_w^2} \right]^n = 1.05$
NO. 1	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
2			
3	482	232324	3461760
4			
5			

Absolute Open Flow 741 Mcfd @ 15.025 Angle of Slope  $\theta$  \_\_\_\_\_ Slope, n .75

Remarks: Light to medium spray of fluid during test

Approved By: Division Conducted By: Hall Calculated By: Hall Checked By: Jacobs