

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 3/7/78			
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 2-28-78		Total Depth 4920		Plug Back TD 4877		Elevation 5773	
Farm or Lease name Elliott Gas Com H				Well No. 1A			
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2880	Perforations: From 4362 To 4806		Unit Sec. Twp. Rge. 0 26 30 9	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4801	Perforations: From Open To Ended		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P <sub>a</sub>	
L	H	G <sub>g</sub>	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover	Meter Run Taps
		.65					

  

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	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	7 days						576		717	
1.	2.375	0.750					120	60	500	3 hrs.
2.										
3.										
4.										
5.										

  

RATE OF FLOW CALCULATIONS							
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 Q, Mcfd
1	12.365		132	1.000	.9608	1.012	1587
2.							
3.							
4.							
5.							

  

NO.	P <sub>t</sub>	Temp. *R	T <sub>r</sub>	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

  

NO.	P <sub>c</sub>	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>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = -1.9734$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6650$
1	729	512	262144	269297		
2						
3						
4						
5						

  

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2642$

  

Absolute Oper. Flow	2642	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: 4.5" 10.5# Liner Set 2684' - 4920'

  

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/BWT	Checked By: J. J. Krupka
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