

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-122  
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special		Test Date 12/8/84		JAN 28 1985	
Company Amoco Production Co.			Connection El Paso Natural Gas Co.		
Pool Basin			Formation Dakota		Unit DIST. 3
Completion Date 11-27-84		Total Depth 6422		Plug Back TD 6370	Elevation 5999 GR
Cq. Size 4.500	Wt. 10.5	d 4052	Set At 6424	Perforations: From 6160 To 6192	
Thg. Size 2.375	Wt. 4.7	d 1995	Set At 6207	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F p	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	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	9 Days						1330		1330	
1.	2.375		.750				116		404	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>py</sub>	Rate of Flow Q, Mcfd
1	12.365		128	1.000	.9258	1.015	1487
2.							
3.							
4.							
5.							

NO.	P <sub>r</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

P<sub>c</sub> 1342      P<sub>c</sub><sup>2</sup> 1800964

NO.	P <sub>r</sub> <sup>2</sup>	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		416	173056	1627908
2				
3				
4				
5				

(1)  $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1063$       (2)  $\left[ \frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0787$

AOF = Q  $\left[ \frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1604$

Absolute Open Flow 1604 Mcfd @ 15.025      Angle of Slope  $\theta$  \_\_\_\_\_      Slope, n .75

Remarks: flared, lite H2O & Oil

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: <i>[Signature]</i>
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