

OIL CONSERVATION DIVISION

Form C-122  
Revised 10-1-78

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

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 1/13/87	
Company Robert L. Bayless		Connection None	
Pool Wildcat P.C.		Formation Pictured Cliffs	
Completion Date 1/6/87		Total Depth 4035	Plug Back TD 3972
		Elevation 7154 GL	Farm or Lease Name Jicarilla 457
Csq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 4038
		Perforations: From 3708 To 3762	
Trg. Size 1 1/2	Wt. 2.9	d 1/610	Set At 3740
		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At none	County Rio Arriba
Producing Thru tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P <sub>a</sub> 12.0 (est.)
State NM			
L	H	G <sub>g</sub> .65 (est.)	% 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. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1	7 days						365		1080	
1.	2 inch		.750				20	60°F	450	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	12.3650		32	1.0000	.9608	1.010	384
2.							
3.							
4.							
5.							

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MAR 26 1987

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 Hydrocarbon <td>_____ Deg.</td>	_____ Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXXXXX</td>	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXX</td>	XXXXXX
4.					Critical Pressure <td>_____ P.S.I.A.</td>	_____ P.S.I.A.
5.					Critical Temperature <td>_____ R</td>	_____ R

P <sub>c</sub> 1092	P <sub>c</sub> <sup>2</sup> 1,192,464	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2180$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1825$
NO	P <sub>r</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1		462	213,444
2			979,020
3			
4			
5			

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 454$

Absolute Open Flow 454 Mcfd @ 15.025 Angle of Slope  $\theta$  \_\_\_\_\_ Slope, n .85

Remarks: Heavy Mist of water

Approved By Division	Conducted By: Dana Ball	Calculated By: Kevin McCord	Checked By:
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