

# OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 7068  
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 type="checkbox"/> Special		Test Date 4-1-80	
Company Ladd Petroleum Corp.		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 3-14-80		Total Depth 6065'	Plug Back TD 5999'
		Elevation 5445'	
		Farm or Lease Name Twin Mounds	
Ceg. Size 4-1/2"	wt. 10.5#	d	Set At 6061
		Perforations From 5789 To 5928	
Trg. Size 1-1/2	wt. 2.9#	d	Set At 5912
		Perforations From Open To End	
Type Well - Single - Incomplete - G.C. or G.O. Multiple Single - Gas		Pocket Set At	
		County San Juan	
Producing thru tbg		Reservoir Temp. °F #	
		Mean Annual Temp. °F	
		Baro. Press. - P <sub>0</sub>	
		State New Mexico	
L	H	C <sub>g</sub> .65	% CO <sub>2</sub>
		% N <sub>2</sub>	% H <sub>2</sub> S
		Prover	Meter Run
		Temp	

  

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.	Temp. °F	of Flow
51							1900		1920		7 days
1.											
2.											
3.	5/8" Pos Choke			350		74 <sup>0</sup>			1030		3 hrs
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							
2							
3	8.5417		362	9868	9608	1.022	2996
4							
5							

  

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2				Specific Gravity Separator Gas _____
3				Specific Gravity Flowing Fluid _____ X X X X X X X X X X
4				Critical Pressure _____ P.S.I.A.
5				Critical Temperature _____ R

  

P <sub>r</sub> 1932	P <sub>r</sub> <sup>2</sup> 3732624	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.4102$	(2) $\left[ \frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.2941$
NO. 1			
2			
3	1042	1085764	2646860
4			
5			

  

Absolute Open Flow 3877		Mcf @ 15.025	Angle of Slope $\theta$	Slope, n .75
Remarks:				
Approved By Division				
Conducted By				
Calculated By				
Checked By				

