

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

RECEIVED
FEB 14 1986
OIL CON. DIV.
DIST. 3

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 12/29/85		
Company Robert L. Bayless			Connection Northwest Pipeline Corp.		
Pool Basin Dakota			Formation Dakota		
Completion Date 12-20-85		Total Depth 6160'	Plug Back TD 6096'	Elevation 5647' GL	Farm or Lease Name Roosevelt
Csq. Size 4.500	Wt. 11.6#/ft	d 4.052	Set At 6159'	Perforations: From 5891 To 6046	Well No. #1
Tng. Size 1.900	Wt. 2.9#/ft	d 1.610	Set At 5921'	Perforations: From To	Unit Sec. Twp. Rye. I 22 30N 14W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g 12.0 psia (est)	State New Mexico
L	H	G _g .60 (est)	% CO ₂	% N ₂	% H ₂ S
			Prover	Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
O.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	9 days						1913	1913	STP
	2" X .750						110	65° F	3 hrs

RATE OF FLOW CALCULATIONS						
Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O, Mcd
12.365		122	.9952	1.000	1.010	1516

P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/bbl.
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
				Specific Gravity Separator Gas _____ X X X X X X X X X
				Specific Gravity Flowing Fluid _____ X X X X X
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
				Critical Temperature _____ R _____ R

1925	P _c ² 3,705,625			
P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0917$
	558	311,364	3,394,261	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0680$
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1619$				

absolute Open Flow	1619	Mcd @ 15.025	Angle of Slope @	Slope, n .75
--------------------	------	--------------	------------------	--------------

marks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
----------------------	---------------	----------------	-------------