Submit in duplicate to appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator	OXY USA				Lease or Unit Name	WONDER FED			
Type Test: ☑ Initial ☐ Annual ☐ Special					Test Date: 9/7/01	Well No.: 1			
Completion Date: 7/31/01	Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge: 21-22-26			
Csg. Size: 5 1/2	Wt.: 17	d: 4.892	Set At	Perforations: From: 11113	To: 11516	County: EDDY			
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 11054	Perforations: From:	To:	Pool: Happy Valley Morrow			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 11054		Formation: Morrow			
Producing Thru: TUBING	Reservoir Temp.°F: 189.1		Mean Annual Temp. °F: 60	Baro. Press.-P_a: 13.2		Connection: SALES			
L: 11053	H: 11053	Gg: 0.598	%CO_2: 1.723	%N_2: 0.308	%H_2S: N/A	Prover: N/A	Meter Run: 4.03		Taps: FLG

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow
SI					1643	N/A	PKR	N/A	
1	4.03 X 1.250	492	2.8	94	1620				1 HR
2	4.03 X 1.250	493	7.4	107	1588				1 HR
3	4.03 X 1.250	494	15.7	102	1528				1 HR
4	4.03 X 1.250	498	32	102	1420				1 HR
5									

RATE OF FLOW CALCULATIONS

No.	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 Q. Mcfd
1							362
2							587
3	TOTAL	FLOW	METER				870
4							1238
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: N/A Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: 0.598 XXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 677 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 349 R. ____ R

P_c 1659.4 P_c2 2753.6

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1631.9	2676.1	77.5
2		1599.4	2558	195.6
3		1544.7	2386	367.6
4		1450.7	2104.5	649.1
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 4.24 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2.32

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2872.1

Absolute Open Flow: 2872.1 Mcfd @ 15.025 Angle of Slope (): 59.67 Slope n: 0.5849

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. NO LIQUID MADE DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MERV BUECKER	BM

OXY USA

WONDER RED #1