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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-1991

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator				Lease or Unit Name		
OXY USA INC				RIBEYE FEDERAL		
Test Type ☐ Initial ☐ Annual ☐ Special				Test Date	Well No.	
				8-AUG-1998	1	
Completion Date	Total Depth	Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge.	
					F 34-19-28	
Csg. Size / Wt. / d / Set At		Perforation: From 8935 To 9026			County	
					EDDY	
Tbg. Size / Wt. / d / Set At		Perforation: From To			Pool Wildcat Wolfcamp ~~BURTON FLATS~~	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple			Packer Set At		Formation	
SINGLE			8880			
Producing Thru	Reservoir Temp.F	Mean Annual Temp.F	Baro. Pressure		Connection	
	150	60	14.40			

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
8980	8980	.783	.59	1.80			4.026	FLANGE

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	(PROVER) LINE SIZE x ORIFICE SIZE	PRESS. PSIG	DIFF. h_w	TEMP. F	PRESS. PSIG	TEMP. F	PRESS. PSIG	TEMP. F	SIP/FLOW DURATION (HRS.)
SHUT-IN PRESSURE					3231	150			66
1.	4.03 x 2.50	49.30	11.20	90	3224	150	2281	91	1
2.	4.03 x 2.50	52.30	24.80	90	3218	150	2150	91	1
3.	4.03 x 2.50	59.50	45.30	90	3210	150	2150	91	1
4.	4.03 x 2.50	67.80	92.30	90	3195	146	2100	91	1

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P_m	FLOW TEMP. FACTOR F_t	GRAVITY FACTOR F_g	SUPER COMPRESS. FACTOR F_{pv}	RATE OF FLOW (Q) MCFD
1.	33.480	26.710	63.7	.9716	1.1301	1.0067	988.4
2.	33.480	40.671	66.7	.9716	1.1301	1.0070	1505.5
3.	33.480	57.859	73.9	.9716	1.1301	1.0078	2143.4
4.	33.480	87.104	82.2	.9716	1.1301	1.0087	3229.7

NO.	P_r	TEMP.	T_r	Z
1.	.096	550	1.345	.9868
2.	.101	550	1.345	.9862
3.	.112	550	1.345	.9846
4.	.124	550	1.345	.9828

Gas-Liquid Hydrocarbon Ratio	22.4	Mcf/bbl
API Gravity of Liquid Hydrocarbons	58.000	Deg.
Specific Gravity Separator Gas	.783	
Specific Gravity Flowing Fluid		.905
Critical Pressure	662 PSIA	656 PSIA
Critical Temperature	409 R	448 R

P_C= 3245.9 P_C^2 = 10535.9

NO.	P_w	P_w^2	$P_C^2 - P_w^2$
1.	3238.7	10489	46.688
2.	3232.9	10451	84.224
3.	3225.3	10402	133.307
4.	3209.5	10300	234.975

(1) $\frac{P_C^2}{P_C^2 - P_w^2}$ = 44.838 (2) $\left[\frac{P_C^2}{P_C^2 - P_w^2}\right]^n$ = 16.401

AOF = Q $\left[\frac{P_C^2}{P_C^2 - P_w^2}\right]^n$ = 52969

Absolute Open Flow	52969	Mcfd @ 15.025	Angle of Slope - 53.7	Slope, n	.736
Remarks	CALCULATION BASED ON BOTTOMHOLE PRESSURE AND TEMPERATURE				

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	C.TAYLOR	BPT System/SCHLUMBERGER	D.SYKES-BOOKHAMMER