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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY U.S.A.				Lease or Unit Name OXY SWEET PEA			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/12/2000		Well No. 1	
Completion Date		Total Depth		Plug Back TD		Elevation 3533	
Crg. Size 4 1/2		WC 11.6	d 4.000	Sec. At		Perforations: From: 8464 To: 8478	
Tbg. Size 2-3/8		WC 4.7	d 1.995	Sec. At 8411		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. or G.C. Multiple single				Packer Set At 8411		Formation MORROW	
Producing thru TBG		Reservoir Temp. °F 157.6		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 8433		II 8433	G _g .606	% CO ₂ .719	% N ₂ .426	% H ₂ S -0-	Prover -0-
Mass Flow 2.067		Taps FLG		Connexion SALES			

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. psia	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. psia	Temp. °F	Press. psia	Temp. °F	
1.	2.000	X	1.250	257	6.4	85°	1400	N/A	PKR	N/A	160 min
2.	2.000	X	1.250	260	14.1	88°	1375				160 min
3.	2.000	X	1.250	266	33.5	88°	1358				160 min
4.	2.000	X	1.250	275	97.9	85°	1320				160 min
5.							1240				160 min

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mscf
1.						434
2.						640
3.	GAS VOLUMES MEASURED BY TOTAL FLOW METER					994
4.						1.733
5.						

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Method
1.					N/A	Method
2.					N/A	Method
3.	TOTAL FLOW				Specific Gravity Separator Gas	.606
4.					Specific Gravity Flowing Fluid	N/A
5.					Critical Pressure	674
					Critical Temperature	354

P ₁ 1431.2	P _c 2048.3					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.65$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 6.65$
1.		1400.6	1961.7	86.6		
2.		1390.5	1933.5	114.8		
3.		1370.2	1877.4	117.9		
4.		1319.0	1740.4	307.9		
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 11524$

Absolute Open Flow 11524	Mscf @ 15.025	Angle of Slope θ 45°	Slope, n 1.000
Remarks: * NI LIQUID MADE DURING TEST * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES			
Approved By Division	Conducted By: PRO WELL TESTING	Calculated By: MB	Checked By: BM