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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 USA, INC.				Lease or Unit Name PEARL STATE			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-NOV-97			
Completion Date		Total Depth		Plug Back TD		Well No. 1	
Csg. Size 5 1/2"		Wt. d		Set At		Unit Ltr. - Sec. - TWP - Rge. 32 19S 29E	
Tbg. Size		Wt.		Set At		County EDDY	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At		Formation	
Producing Thru TUBING 179@11358				Reservoir Temp. °F 60		Baro. Press - P _a 13.2	
L 11,358		H 11,358		Gg 0.639		% CO ₂ 3.58	
				% N ₂ 0.29		% H ₂ S 0	
Prover				Meter Run 4.0		Taps FLANGE	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI											
1.	4.03	X	1.00	359	5.6	41			4403	179	101.5
2.	4.03	X	1.00	351	12.7	49			3653	179	1
3.	4.03	X	1.00	365	15.6	57			3365	179	1
4.	4.03	X	1.00	368	19.6	61			3108	179	1
5.									2846	179	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.		45.64	372.0	1.0188	1.2510	1.0389	296
2.		68.89	373.7	1.0109	1.2510	1.0370	444
3.		76.79	378.0	1.0033	1.2510	1.0354	482
4.		86.47	381.5	0.9988	1.2510	1.0346	544

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.54	501	1.38	0.926	0	
2.	0.54	509	1.40	0.930	0	
3.	0.55	517	1.42	0.933	0.639	XXXXXXXXXX
4.	0.56	521	1.43	0.934	0.639	0.639
5.					586	686 P.S.I.A.
					364	364 R

P _c 3361.8 P _c ² 11302					1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6772$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6772$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²				
1.	13441	2756	7593	3709				
2.	11410	2530	6403	4899				
3.	9739	2333	5444	5857				
4.	8173	2136	4563	6739				
5.								

Absolute Open Flow **912** Mcfd @ 15.025 Angle of Slope θ **45.0** Slope, n **1.0**

Remarks: **CALCULATED FROM BOTTOM HOLE PRESSURE.**

Approved By Division **C. Taylor** Conducted By **D. Taylor** Calculated By **D. Taylor** Checked By: