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State of New Mexico
Energy, Minerals and Natural Resources Department

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Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

MAR 11 1997

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Operator OXY USA INC.					Lease or Unit Name DIST 2 BRANTLEY A				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 28-FEB 1997				
Completion Date		Total Depth		Plug Back TD		Elevation		Well No. 1	
Csg. Size	Wt.	d	Set At	Perforations: From: To:				Unit Ltr. - Sec. - TWP - Rgc. 7-23-24	
Tbg. Size 2 7/8	Wt. 6.7	d	Set At 10,402'	Perforations: From: To:				County EDDY	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple					Packer Set At 10,402'		Pool NORVING W/PENN		
Producing Thru		Reservoir Temp. °F 169		Mean Annual Temp. °F 60 degrees		Baro. Press - P _a 13.2		Formation	
L 9996	H 9996	Gg 0.683	% CO ₂ 0.72	% N ₂ 0.21	% 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								4507	169	233
1.	4.03	X 1.250	227	10.1	53			4345	169	1
2.	4.03	X 1.250	276	21.7	71			4170	169	1
3.	4.03	X 1.250	277	43.0	76			3934	169	1
4.	4.03	X 1.250	277	72.7	74			3592	169	1
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$h_w P_m$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv} .	Rate of Flow Q, Mcfd
1.		54.27	290.2	1.0071	1.2100	1.0338	530
2.		79.22	289.2	0.9896	1.2100	1.0297	663
3.		111.73	290.2	0.9854	1.2100	1.0289	1063
4.		145.27	290.2	0.9873	1.2100	1.0293	1386
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 58.9 Mcf/bbl.		
1.	0.43	513	1.34	0.936	A.P. I. Gravity of Liquid Hydrocarbons 58.1 Deg.		
2.	0.43	531	1.39	0.943	Specific Gravity Separator Gas 0.683		
3.	0.43	536	1.40	0.945	Specific Gravity Flowing Fluid XXXXX		
4.	0.43	534	1.39	0.944	Critical Pressure 671 P.S.I.A. 699 P.S.I.A.		
5.					Critical Temperature 383 R 3% R		

P_c _____ P_c^2 _____					$1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.5173}{\phantom{00$
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Absolute Open Flow 2417 Mcfd @ 15.025 Angle of Slope θ 58.9 Slope, n 0.602

Remarks: USED BOTTOM HOLE PRESSURES

Approved By Division Conducted By: *Harry Harris* Calculated By: *Walter Belknap* Checked By: