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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
E. gy, 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 INC.				Lease or Unit Name FELTON A			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-15-94		Well No. 4	
Completion Date 11-30-94		Total Depth 4000'		Plug Back TD 3955'		Elevation	
Csg. Size 5 1/2		Wt. d 15.5# 4.950		Set At 4000		Perforations: From: 3209 To: 3741	
Tbg. Size 2-3/8"		Wt. d 4.7# 1.995		Set At 3150		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 3150'		Formation VATES	
Producing Thru TBG.		Reservoir Temp. °F 93°		Mean Annual Temp. °F 60°		Baro. Press - P _a 15.2	
L 3209		H 3209		Gg .744		% CO ₂ 5.659	
				% N ₂ 1.83		% H ₂ S Prover	
						Meter Run 3.026	
						Taps FLG.	

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.	
SI		72	hr.				150			
1.										
2.							50			24 hr.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	DRY GAS	Mcft/bbl.
1.					A.P. I. Gravity of Liquid Hydrocarbons	DRY	Deg.
2.					Specific Gravity Separator Gas	.744	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	DRY	XXXXXX
4.					Critical Pressure	*687	P.S.I.A. P.S.I.A.
5.					Critical Temperature	393	R R

p_c	<u>163.2</u>	p_c^2	<u>26.6</u>			
NO.	p_i^2	P_w	P_w^2	$P_c^2 - P_w^2$	1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	4.0	89.7	8.1	18.6	<u>1.433</u>	<u>1.433</u>
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 771

Absolute Open Flow	771	Mcfd @ 15.025	Angle of Slope Θ	45°	Slope, n	1.000
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Remarks: **NO FLUID MADE DURING TEST**

*** CORRECTED TO 5% CO₂ AND 1% N₂**

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: KS	Checked By: BM
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