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 4-1-91

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					Lease or Unit Name: STATE D			
Type Test: ☑ Initial ☐ Annual ☐ Special					Test Date: 1-27-96		Well No.: 1	
Completion Date: 1-19-96		Total Depth: 3890		Plug Back TD: 3790	Elevation:		Unit Ltr. - Sec. - TWP - Rge.: 32-21S-37E	
Csg. Size: 7"	Wt.: 23	d: 6.366	Set At: 3830	Perforations: From: 3148	To: 3777		County: LEA	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 3048	Perforations: From:	To:		Pool: Element	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 3048			Formation: YATES-7 RIVERS	
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F		Baro. Press - P_a: 13.2			Connection: G.P.M.	
L: 3048	H: 3048	Gg: .692	% CO_2: 1.68	% N_2: 3.30	% H_2S:	Prover: -0-	Meter Run: 4.026	Taps: Flg

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					266		PKR		
1.	4.026 X 1.750	RATES TAKEN FROM			261		"		
2.	4.026 X 1.750	TOTAL FLOW			255		"		
3.	4.026 X 1.750				239		"		
4.	4.026 X 1.750				203		"		
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.			37				166
2.			36	TOTAL FLOW			321
3.			35				609
4.			35				1039
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.0551	510	1.352	
2.	.0536	511	1.355	
3.	.0521	511	1.355	
4.	.0521	513	1.360	
5.				

Gas Liquid Hydrocarbon Ratio: NO FLUID Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: NO FLUID Deg.
Specific Gravity Separator Gas: .692 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 671 P.S.I.A. P.S.I.A.
Critical Temperature: 377 R R

P_c _____ P_c^2 _____

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	75.2	274.8	75.5	2.4
2.	71.9	270.6	73.2	4.7
3.	63.6	261.3	68.3	9.7
4.	46.7	245.9	60.5	17.5
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.457$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.937$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,091$

Absolute Open Flow: 4,091 Mcfd @ 15.025 | Angle of Slope θ: 47.47 | Slope, n: .917

Remarks: _____

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