Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Deparument

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: MUSTANG ST. COM.	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-MAY-97	Well No.: 1
Completion Date	Total Depth	Plug Back TD	Elevation	Unit Ltr. - Sec. - TWP - Rge.: I - 16 - 18S - 29E	
Csg. Size / Wt. / d / Set At		Perforations: From: 10,656 To: 10,686		County: EDDY	
Tbg. Size / Wt. / d / Set At		Perforations: From: To:		Pool:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 10,578		Formation:	
Producing Thru	Reservoir Temp. °F: 161	Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2	Connection:	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,671	10,671	0.642	0.26	1.08	0		4.0	FLANGE

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	TUBING DATA: Temp. °F	CASING DATA: Press. p.s.i.g.	CASING DATA: Temp. °F	Duration of Flow
SI							1989	161	92.5
1.	4.00 X 0.75	1388	10.5	105	- -	- -	1814	161	1
2.	4.00 X 0.75	1250	23.1	105	- -	- -	1736	161	1
3.	4.00 X 0.75	1134	32.8	96	- -	- -	1633	161	1
4.	4.00 X 0.75	945	55.0	72	- -	- -	1390	161	1
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.		121.27	1400.7	0.9594	1.2481	1.0971	620
2.		170.82	1263.2	0.9591	1.2481	1.0888	905
3.		193.95	1146.9	0.9674	1.2481	1.0879	1160
4.		229.56	958.2	0.9891	1.2481	1.0897	1739
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	2.09	565	1.53	0.831
2.	1.89	565	1.54	0.844
3.	1.71	556	1.51	0.845
4.	1.43	532	1.44	0.842
5.				

Gas Liquid Hydrocarbon Ratio 108.4 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 54.4 Deg.
Specific Gravity Separator Gas 0.642 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.667
Critical Pressure 670 P.S.I.A. 668 P.S.I.A.
Critical Temperature 368 R 376 R

P_c 1489.0 P_c^2 2217

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	3339	1364	1862	356
2.	3059	1309	1713	505
3.	2710	1235	1525	693
4.	1969	1059	1122	1095
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0246$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8668$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3246$

Absolute Open Flow 3246 Mcfd @ 15.025 | Angle of Slope θ 48.5 | Slope, n 0.885

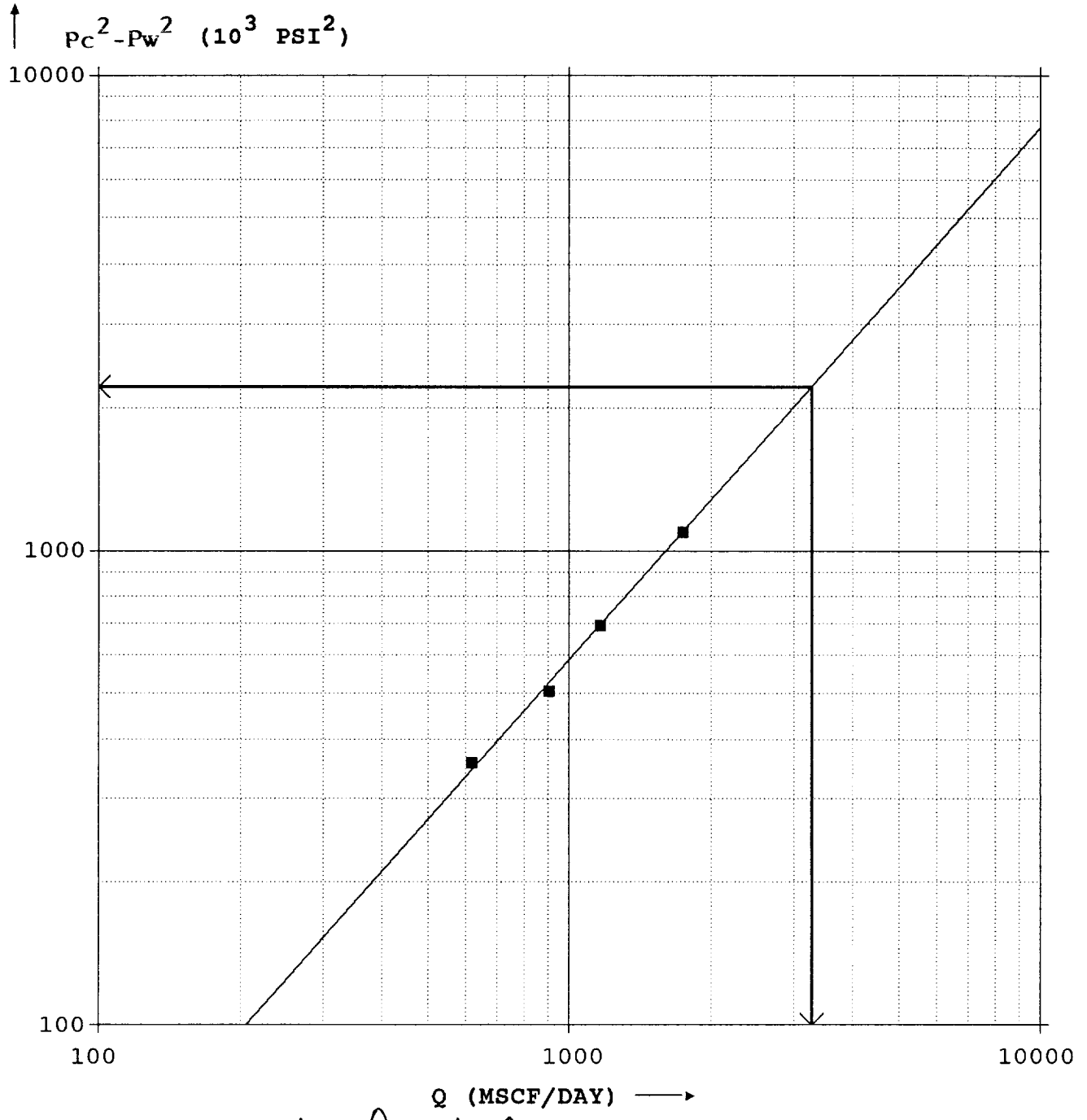
Remarks: BASED ON BOTTOM HOLE PRESSURE MEASUREMENTS

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Larry Davis	Diana Rockhammer	

BACK PRESSURE CURVE

CLIENT: **OXY USA**
WELL: **MUSTANG ST. COM. #1**

Test Date: 06-MAY-1997
County: EDDY, NM



Well Tester: Larry Davis by [illegible]

SCHLUMBERGER Testing

θ = 48.235 degrees
n = 0.8930
AOF = 3264.0 MSCF/DAY