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 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.:

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:

JUN 30 1997

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.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI									
1.	4.00 X 0.75	1388	10.5	105	- -	- -	1989	161	92.5
2.	4.00 X 0.75	1250	23.1	105	- -	- -	1814	161	1
3.	4.00 X 0.75	1134	32.8	96	- -	- -	1736	161	1
4.	4.00 X 0.75	945	55.0	72	- -	- -	1633	161	1
5.					- -	- -	1390	161	1

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: [signature]
Calculated By: [signature]
Checked By: