STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: 4 POINT [X] Initial [ ] Annual [ ] Special				Test Date: 6-17-88	
Company: OXY USA INC.		Connection: PIPELINE			
Pool: EUMONT		Formation: YATES SEVEN RIVERS QUEENS		Unit	
Completion Date: 6-18-88	Total Depth: 3871	Plug Back TD: 3869	Elevation: 3611'DF	Farm or Lease Name: STATE "D"	
Csg. Size: 5.500 / Wt.: 17.0 / d: 4.892 / Set At: 3869		Perforations: From 3299 To 3855		Well No.: 6	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 3227		Perforations: From OPEN To ENDED		Unit: F / Sec.: 32 / Twp.: 21S / Rge.: 36E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: 3227		County: LEA	
Producing Thru: TUBING	Reservoir Temp. °F: 102 @ 3577	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: NEW MEXICO	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3577	3577	0.701	0.16	3.07	Ø	Ø	2.067	FLNG

	FLOW DATA					TUBING DATA		BHP 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						385	72	435	102	24 HRS.
1.	2.067	0.750	80	6.5	62	375	72	433	102	1.0
2.	2.067	0.750	83	13.0	63	370	72	426	102	1.0
3.	2.067	0.750	90	49.5	66	345	72	400	102	1.0
4.	2.067	0.750	85	94.0	71	325	72	378	102	1.0
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, Fpv	Rate of Flow Q, Mcfd
1	2.709	24.61	93.2	.9981	1.194	1.012	80
2.	2.709	35.36	96.2	.9971	1.194	1.012	115
3	2.709	71.47	103.2	.9943	1.194	1.011	232
4.	2.709	100.38	107.2	.9892	1.194	1.012	325
5.							

NO.	P_t	Temp. °R	T_r	Z
1	0.14	522	1.36	0.977
2.	0.15	523	1.37	0.977
3.	0.16	526	1.37	0.978
4.	0.16	531	1.39	0.977
5				

Gas Liquid Hydrocarbon Ratio Ø Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons Ø Deg.
Specific Gravity Separator Gas 0.701 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.701
Critical Pressure 661 P.S.I.A. 661 P.S.I.A.
Critical Temperature 383 R 383 R

P_c 428.2 P_c^2 183.3

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		426.3	181.7	1.6
2		419.7	176.1	7.2
3		395.0	156.0	27.3
4		373.9	139.8	43.5
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2138$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.3130$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 751.7$

Absolute Open Flow 752 Mcfd @ 15.025 Angle of Slope θ 59.75 Slope, n 0.583

Remarks: BOTTOM HOLE PRESSURES W/ AMARADA BOMBS
CALCULATED ON FORM C 122 W/ C122 F SUPPORT

Approved By Division:	Conducted By:	Calculated By:	Checked By:
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR SEP 2 '88			