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
clsF

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: CHAMPION STATE

Type Test: X Initial | Annual | Special | Test Date: 22-JUL-1997 | Well No.: 1

Completion Date: 23-JUN-1997 | Total Depth: 11,482 | Plug Back TD: | Elevation: | Unit Ltr. - Sec. - TWP - Rge.:

Csg. Size: 4.5 | Wt.: 11.6 | d: | Set At: 11,482 | Perforations: From: 11,231 To: 11,356 | County: EDDY

Tbg. Size: 2.375 | Wt.: 4.7 | d: | Set At: 11,166 | Perforations: From: To: | Pool: TURKEY TRACK MOR

Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE GAS WELL | Packer Set At: 11,172 | Formation: MORROW

Producing Thru: TUBING | Reservoir Temp. °F: 179°@11293 | Mean Annual Temp. °F: 60 | Baro. Press - P_a: 13.2 | Connection: CONOCO

L: 11,293 | H: 11,293 | Gg: 0.644 | % CO_2: 0.33 | % N_2: 0.32 | % H_2S: 0 | Prover: | Meter Run: 4.0 | Taps: 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.	4.03 X 2.0	139	13.6	71			4466	179	98
2.	4.03 X 2.0	147	25.5	67			4159	179	1.0
3.	4.03 X 2.0	158	48.8	53			4015	179	1.0
4.	4.03 X 2.0	168	90.5	37			3788	179	1.0
5.							3510	179	1.0

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.							
2.		45.42	151.7	0.9893	1.2461	1.0137	1085
3.		63.91	160.2	0.9933	1.2461	1.0149	1553
4.		91.27	170.7	1.0070	1.2461	1.0174	2255
5.		127.88	180.7	1.0229	1.2461	1.0205	3207

NO.	P_r	Temp. °R	T_r	Z
1.	0.23	531	1.43	0.973
2.	0.24	527	1.42	0.971
3.	0.25	513	1.38	0.966
4.	0.27	497	1.34	0.960
5.				

Gas Liquid Hydrocarbon Ratio 50.6 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 57.4 Deg.
Specific Gravity Separator Gas 0.644 | XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX | 0.696
Critical Pressure 671 P.S.I.A. | 669 P.S.I.A.
Critical Temperature 371 R | 387 R

P_c 3303.7 P_c^2 10,914

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	17405	3050	9303	1612
2.	16227	2933	8604	2310
3.	14452	2752	7573	3341
4.	12413	2535	6428	4486
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 2.4329

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2.4329

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 7802

Absolute Open Flow 7802 Mcfd @ 15.025 | Angle of Slope θ 45.0 | Slope, n 1.0

Remarks: BASED ON BOTTOMHOLE PRESSURE

Approved By Division | Conducted By: Larry Davis by [signature] | Calculated By: [signature] Beckhammer | Checked By: