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: GOVERNMENT	
Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 25-OCT-97	Well No.: S #9
Completion Date	Total Depth: 11,350'	Plug Back TD: 11,280'	Elevation	Unit Ltr. - Sec. - TWP - Rge.: 3 20 28
Csg. Size: 4½" / Wt.: 11.6 / d: / Set At:	Perforations: From: 11,046' To: 11,094'			County: EDDY
Tbg. Size: 2 3/8" / Wt.: 4.7 / d: / Set At: 10,971'	Perforations: From: To:			Pool: Winchester ~~BURTON FLATS~~ MORROW
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE GAS WELL		Packer Set At: 10,952'		Formation
Producing Thru: TUBING	Reservoir Temp. °F: 179F@11070'	Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2	Connection: EPNG
L: 11,070	H: 11,070	Gg: 0.619	% CO_2: 1.19	% N_2: 0.34	% H_2S: 0	Prover	Meter Run: 4.0	Taps: FLANGE

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI									
1.	4.03 X 0.5	390	11.8	64			2663	179	70.9
2.	4.03 X 0.5	401	30.2	56			2549	179	1.0
3.	4.03 X 0.5	403	64.5	70			2473	179	1.0
4.	4.03 X 0.5	402	107.0	69			2357	179	1.0
5.							2274	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.		68.93	402.7	0.9966	1.2710	1.0356	105
2.		111.84	414.2	0.9948	1.2710	1.0362	175
3.		163.90	416.5	0.9907	1.2710	1.0353	257
4.		210.72	415.0	0.9919	1.2710	1.0355	314
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	0.60	524	1.45	0.932
2.	0.61	526	1.45	0.931
3.	0.62	530	1.47	0.933
4.	0.61	529	1.46	0.933
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.619 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.619
Critical Pressure 676 P.S.I.A. 676 P.S.I.A.
Critical Temperature 362 R 362 R

P_c 2035.8 P_c^2 4145

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	6567	1950	3804	340
2.	6180	1893	3583	562
3.	5616	1806	3261	883
4.	5233	1745	3044	1100
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7672$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.3765$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1060$

Absolute Open Flow 1060 Mcfd @ 15.025 | Angle of Slope θ 47.5 | Slope, n 0.917

Remarks: CALCULATED FROM BOTTOM HOLE PRESSURE.

Approved By Division | Conducted By: Charlie Taylor Ltg Pkg | Calculated By: Ralph Schlemmer | Checked By: