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: ORYX ENERGY					Lease or Unit Name: MAVEETY STATE GAS COM			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 2-2-94		Well No. 9	
Completion Date: 12-13-93	Total Depth: 3700		Plug Back TD: 3643		Elevation		Unit Ltr. - Sec. - TWP. - Rge.: 35 - 19S - 36E	
Csg. Size: 5½	Wt.: 15.5	d: 4.950	Set At: 3700'	Perforations: From: 2814	To: 3584		County: LEA	
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 2771'	Perforations: From:	To:		Pool:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 2771			Formation: EUMONT	
Producing Thru: tbg	Reservoir Temp. °F: 88	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2			Connection: PIPELINE	
L: 3199	H: 3199	Gg: .720	% CO_2: 4.28	% N_2: 1.55	% H_2S:	Prover: none	Meter Run: 3.068	Taps: flg.

FLOW DATA

NO.	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							110				
1.	3.068	X	1.75	11.8	.5	46	106	42	PKR.		60 min
2.	3.068	X	1.75	13.2	1.8	51	103	47			60 min
3.	3.068	X	1.75	13.5	5.8	57	100	47			60 min
4.	3.068	X	1.75	13.4	13.2	60	94	47			60 min
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.	15.61	3.54	25	1.014	1.179	1.004	66
2.	15.61	6.89	26.4	1.009	1.179	1.003	128
3.	15.61	12.44	26.7	1.003	1.179	1.003	230
4.	15.61	18.74	26.6	1.000	1.179	1.003	346
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.037	506	1.30	.993
2.	.039	511	1.32	.994
3.	.039	517	1.33	.994
4.	.039	520	1.34	.994
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .720 XXXXXXXXX
Specific Gravity Flowing Fluid: DRY XXXXX
Critical Pressure: 684 P.S.I.A. P.S.I.A.
Critical Temperature: 388 R R

P_c 123.2 P_c^2 15.2

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		119.4	14.3	.9
2.		117.0	13.7	1.5
3.		115.9	13.4	1.7
4.		113.6	12.9	2.3
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.702$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6.702$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,319$

Absolute Open Flow: 2,319 Mcfd @ 15.025 | Angle of Slope θ: 45° | Slope, n: 1.000

Remarks: NO FLUID MADE DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTERS	K.S.	B.M.