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: TEXACO E+P INC.					Lease or Unit Name: L VAN ETTEN		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 7-26-94	Well No.: 14	
Completion Date: 7-17-94	Total Depth: 6950		Plug Back TD: 6930'		Elevation	Unit Ltr. - Sec. - TWP - Rge.: 9 20S 37E	
Csg. Size: 5½	Wt.: 15.5	d: 4.950	Set At: 6950	Perforations: From: 6352 To: 6558'		County: LEA	
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 6274'	Perforations: From: To:		Pool	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 6274'		Formation: TUBB	
Producing Thru: TBG	Reservoir Temp. °F: 128	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2		Connection: PIPELINE	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6355	6355	.693	.97	3.21			4.026	FLG

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.	TUBING DATA: Temp. °F	CASING DATA: Press. p.s.i.g.	CASING DATA: Temp. °F	Duration of Flow
SI					1600		PKR		
1.		34	16.2	59	1525		"		1 hr
2.		38	64.0	45	1455		"		1 hr
3.		49	118.8	26	1290		"		1 hr
4.		48	118.8	48	1190		"		1 hr
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.							
3.		RATES TAKEN FROM ELECTONIC FLOW METER					1,211
4.							2,602
5.							4,059
							4,043

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 19 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 31.9 @60° Deg.
Specific Gravity Separator Gas .693 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX GMix .717
Critical Pressure 668 P.S.I.A. 667 P.S.I.A.
Critical Temperature 378 R 385 R

P_c 1613.2 P_c^2 2602.4

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1541.4	2375.9	226.5
2.		1483.7	2201.5	400.9
3.		1346.3	1812.6	789.8
4.		1250.2	1563.0	1039.4
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 3.295 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.156

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 12,809

Absolute Open Flow 12,809 Mcfd @ 15.025 | Angle of Slope θ 46° | Slope, n .96379

Remarks: WELL MADE 2.6 BBLS CONDENSATE DURING TEST. API GRAVITY 31.9 @60°

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTER GB	KS	BM