Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Departu

RECEIVED
FEB 29 1996
OIL CON. DIV.

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 EXPLORATION								Lease or Unit Name: E.J. LEVERS FEDERAL NCT-1			
Type Test: [X] Initial [ ] Annual [ ] Special								Test Date: 1-13-96		Well No.: 2	
Completion Date: 1-8-96		Total Depth: 10600		Plug Back TD: 10550				Elevation		Unit Ltr. - Sec. - TWP - Rge.: F 12-21S-25E	
Csg. Size: 5½	Wt.: 17	d: 4.892	Set At: 10600	Perforations: From: 10236		To: 10272				County: EDDY	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 10180	Perforations: From:		To:				Pool: [illegible]	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 10180						Formation: MORROW	
Producing Thru: TBG	Reservoir Temp. °F: 175	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2						Connection: ATMOSPHERE	
L: 10236	H: 10236	Gg: .585	% CO_2: .85	% N_2: .50		% H_2S	Prover			Meter Run: 4.026	Taps: flg.

	FLOW DATA				TUBING DATA		CASING 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					2900				
1.	4.026 X 2.250	490	4	82	2755		PKR		60 min
2.	4.026 X 2.250	480	8	81	2690				60 min
3.	4.026 X 2.250	540	18	69	2460				60 min
4.	4.026 X 2.250	540	32	61	2160				60 min
5.	4.026 X 2.250	570	44	60	1955				30 min

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.	25.64	44.86	503.2	.9795	1.307	1.040	1531
2.	25.64	62.81	493.2	.9813	1.307	1.039	2146
3.	25.64	99.79	553.2	.9915	1.307	1.044	3462
4.	25.64	133.05	553.2	.9990	1.307	1.044	4650
5.	25.64	160.19	583.2	1.0000	1.307	1.046	5615

NO.	P_r	Temp. °R	T_r	Z
1.	.75	542	1.55	.925
2.	.73	541	1.55	.927
3.	.82	529	1.51	.918
4.	.82	521	1.49	.918
5.	.87	520	1.49	.914

Gas Liquid Hydrocarbon Ratio 152.047 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 48.1 Deg.
Specific Gravity Separator Gas .585 XXXXXXXXX
Specific Gravity Flowing Fluid .7883 XXXXX G MIX .606
Critical Pressure 672 P.S.I.A. 671 P.S.I.A.
Critical Temperature 350 R 358 R

P_c 2913.2 P_c^2 8486.7

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		2770.8	7677.5	809.2
2.		2728.4	7444.1	1042.7
3.		2543.4	6468.7	2018.0
4.		2313.4	5352.3	3134.4
5.		2188.6	4790.0	3696.7

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.708$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.040$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9,484$

Absolute Open Flow 9,484 Mcfd @ 15.025 | Angle of Slope θ 54.5° | Slope, n .71557

Remarks: 4 BBLS 48.1 API GRAV. OIL MADE DURING TEST

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