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appropriate district office
See Rule 401 & Rule 1122

Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

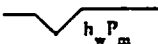
OIL CONSERVATION DIVISION

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 Cotton Draw				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-9-98		Well No. #84		
Completion Date 3-21-98		Total Depth 16585		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. T 2-25-31	
Csg. Size 5 1/2		Wt. d		Set At 16295		Perforations: From: 16295 To: 16585		County Eddy	
Tbg. Size 3 1/2		Wt. d		Set At 16180		Perforations: From: To:		Pool Paduca Devonian	
Type Well - Single - Bradenhead - G.G. or G.Q. Multiple					Packer Set At 16180		Formation		
Producing Thru TBG		Reservoir Temp. °F 249.9@16157		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection	
L 16157	II 16157	G _g .585	% CO ₂ 2.015	% N ₂ 1.266	% H ₂ S 0.6	Prover		Meter Run	Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI							5263		PKR		26 hrs
1.							5253				1 hr
2.							5011				1 hr
3.							4843				1 hr
4.							4663				1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.							6.712
2.							16.008
3.	Volumes measured by total flow						19.883
4.							24.569
5.	Meter						

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl
1.					Dry gas	
2.					A.P. I. Gravity of Liquid Hydrocarbons Dry	Deg.
3.					Specific Gravity Separator Gas .585	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid XXXXXX	N/A
5.					Critical Pressure *677 P.S.I.A.	N/A P.S.I.A.
					Critical Temperature *347 R	N/A R

NO.	P _t ²	P _w	P _w ²	P _e ² - P _w ²
1.		5263.8	27707.6	286.0
2.		5168.1	26709.3	1284.3
3.		5102.7	26037.5	1956.1
4.		5020.8	25208.4	2785.2
5.				

1) $\frac{P_e^2}{P_e^2 - P_w^2} = 10.051$

2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 3.718$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 91.348$

Absolute Open Flow 91,348 Mcfd @ 15.025	Angle of Slope θ 60.36	Slope, n .5690
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Remarks: **No fluid ** BHP Inst set @ This depth**

*** = Corrected to 2% CO₂ & 1.266% N₂**

Approved By Division	Conducted By: Texaco	Calculated By: B.M.	Checked By: B.M.
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