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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Geology, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

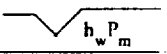
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TEXACO EXPLORATION						Lease or Unit Name B. F. HARRISON 'B'					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-5-94		Well No. 25			
Completion Date 6-17-94		Total Depth 7150		Plug Back TD 7106		Elevation 3313		Unit Ltr. - Sec. - TWP - Rge. C 9 23 S - 37E			
Csg. Size 7"		Wt. 26#		d 6,276		Set At 7150		Perforations: From: 6084 To: 6234		County LEA	
Tbg. Size 2 7/8		Wt. 6.5		d 2,441		Set At 5966		Perforations: From: To:		Pool	
Type Well - Single - Bradenhead - G.G. or F.O. Multiple single						Packer Set At 5997'		Formation TUBBS			
Producing Thru TBG.		Reservoir Temp. °F 123		Mean Annual Temp. °F 60°		Baro. Press - P. 13.2		Connection SALES LINE			
L 6159		II 6159		Gg .705		% CO ₂ 1.04		% N ₂ 2.05		% H ₂ S	
								Prover -0-		Meter Run 4.026	
										Taps FLG.	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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						2060		PRK		
1.	4.026 X 3.000		40.6			1925		"		60 MIN
2.	4.026 X 3.000		41.3			1775		"		60 MIN
3.	4.026 X 3.000		44.7			1680		"		60 MIN
4.	4.026 X 3.000		47.7			1560		"		60 MIN
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 _{pv}	Rate of Flow Q, Mcfd
1.							
2.							1602
3.	RATES RECORDED ON TEXACO TOTAL FLOW METER						1990
4.							3267
5.							4156

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 26,998 Mcf/bbl.	
1.					A.P. I. Gravity of Liquid Hydrocarbons 52.4 °60	
2.	RATES USED FROM TEXACO				Specific Gravity Separator Gas .705	XXXXXXXXXX
3.	TOTAL FLOW METER				Specific Gravity Flowing Fluid .770 XXXXX	GMIX .814
4.					Critical Pressure 669 P.S.I.A.	666 P.S.I.A.
5.					Critical Temperature 385 R	421 R

P _c 2073.2 P _e 4298.2				
NO.	P _i ²	P _w	P _w ²	P _e ² - P _w ²
1.		1942.7	3774.1	524.
2.		1795.8	3224.8	1073.4
3.		1714.8	2940.5	1357.7
4.		1611.0	2595.2	1703.0
5.				

1) $\frac{P_e^2}{P_e^2 - P_w^2} = 3.166$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 7,636$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2.337$

Absolute Open Flow 7636 Mcfd @ 15.025	Angle of Slope θ 54°	Slope, n .73676
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Remarks: **WELL MADE 17 BBLs CONDENSATE DURING TEST 52.4 API GRAVITY**

Approved By Division	Conducted By: PRO WELL TESTER F.D.	Calculated By: K.S.	Checked By: B.M.
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