

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

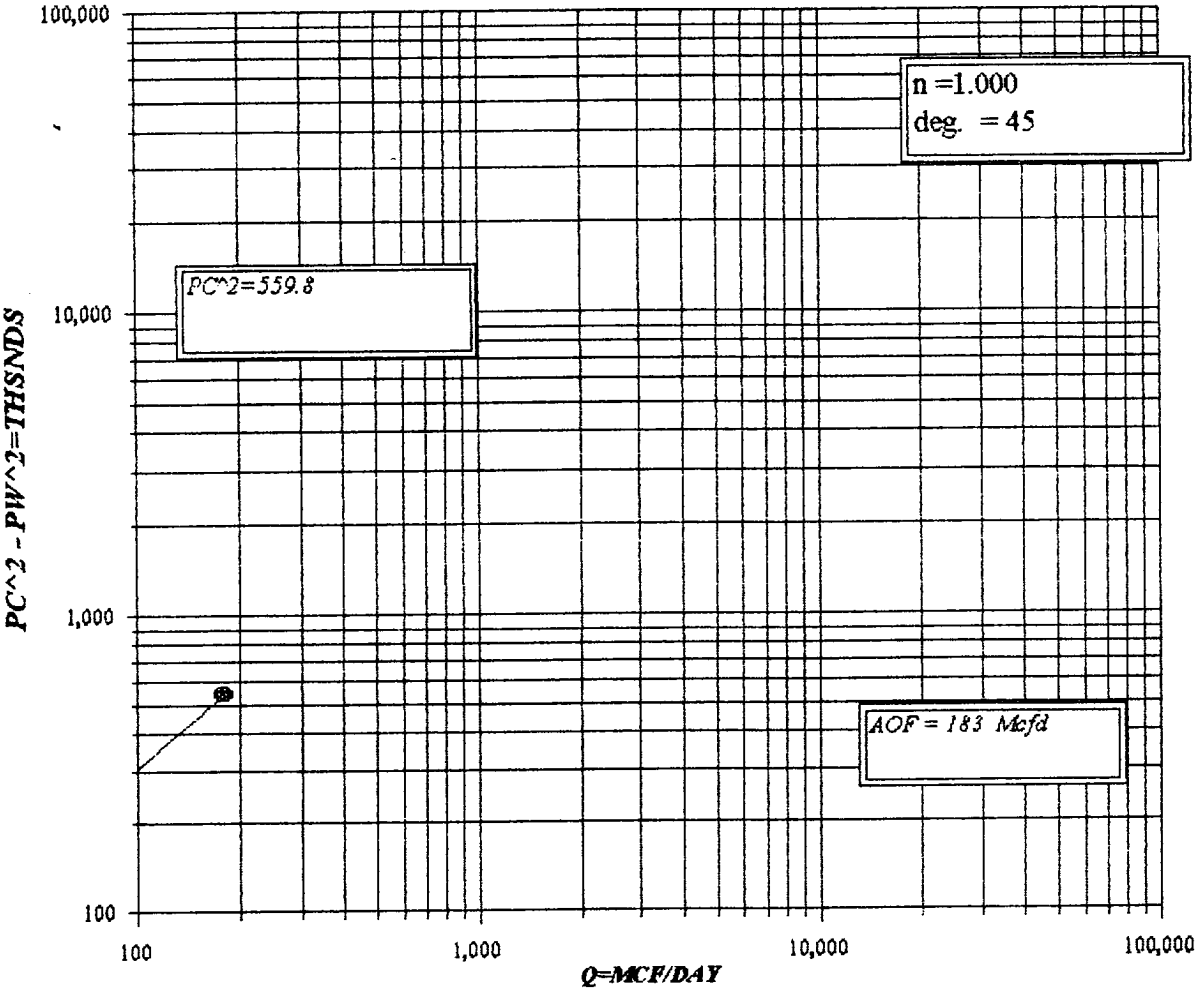
OIL CONSERVATION DIVISION

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 C.H. WEIR "A"						
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-18-96		Well No. 4				
Completion Date 8-1-96		Total Depth 6900		Plug Back TD 6540		Elevation		Unit Tr. - Sec. - TWP - Rge. E12-20-37			
Csg. Size 4"	Wt. 11.34	d 3.476	Set At 6845	Perforations: From: 6406 To: 6474			County LEA				
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At	Perforations: From: To:			Pool				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 6340			Formation MONUMENT TUBB				
Producing Thru T8G		Reservoir Temp. °F 137.4		Mean Annual Temp. °F 60		Baro. Press - P. 13.2		Connection SALES			
L 6340	H 6340	Gg .689	% CO ₂ .21	% N ₂ 3.76	% H ₂ S 0-	Prover -0-		Meter Run 2.067	Taps FLG		
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							735	60			12 hr
1.	2.067 X 1.250		42	6	66	107	60	PKR.			24 hr
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd				
1.	8.120	18.19	55.2	.9943	1.205	1.008	178				
2.											
3.											
4.											
5.											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A		Mcf/bbl.				
1.	.082	526	1.398	.985	A.P. I Gravity of Liquid Hydrocarbons N/A		Deg.				
2.					Specific Gravity Separator Gas .689		XXXXXXXXXX				
3.					Specific Gravity Flowing Fluid N/A		XXXXXX				
4.					Critical Pressure 666		P.S.I.A.		N		P.S.I.A.
5.					Critical Temperature 376		R				R
P _c 748.2 - P _c ² 559.8											
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.028$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.028$						
1.	14.4	123.5	15.3	544.5							
2.											
3.											
4.											
5.											
Absolute Open Flow 183 Mcfd @ 15.025					Angle of Slope Θ 45°			Slope, n 1.000			
Remarks: NO FLUID MADE DURING TEST											
Approved By Division			Conducted By: PRO WELL TESTER			Calculated By: MB			Checked By: BM		

TEXACO E&P
C.H. WEIR "A" #4



**Laboratory Services, Inc.**

1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Merv Buecker
P. O. Box 791
Hobbs, new Mexico 88240

SAMPLE
IDENTIFICATION: C. H. Weir "A" #4
COMPANY: Texaco E. & P.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/18/96
ANALYSIS DATE: 9/18/96
PRESSURE - PSIG 60
SAMPLE TEMP. °F 63
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Merv Buecker
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	3.76	
Carbon Dioxide (CO ₂)	0.21	
Methane (C ₁)	81.87	
Ethane (C ₂)	7.93	2.115
Propane (C ₃)	3.69	1.015
I-Butane (IC ₄)	0.43	0.140
N-Butane (NC ₄)	1.15	0.362
I-Pentane (IC ₅)	0.32	0.116
N-Pentane (NC ₅)	0.31	0.111
Hexane Plus (C ₆ +) <u>0.33</u>		<u>0.135</u>
	100.00	3.994
BTU/CU.FT. - DRY	1152	MOLECULAR WT. 19.9407
AT 14.650 DRY	1149	
AT 14.650 WET	1129	
AT 14.73 DRY	1155	
AT 14.73 WET	1135	
SPECIFIC GRAVITY -		
CALCULATED	0.689	
MEASURED		

