

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

Operator TEXACO EXPLORATION*					Lease or Unit Name H. T. MATTERN				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-29-94		Well No. 6		
Completion Date 12-3-94		Total Depth 3725'		Plug Back TD 3292		Elevation		Unit Ltr. - Sec. - TWP - Rge. M 20-19S-37E	
Csg. Size 5 1/2	Wt. 17#	d 4.892	Set At 3725	Perforations: From: 2696 To: 3220			County LEA		
Tbg. Size 2-3/8	Wt. 4.7#	d 1.995	Set At 3221	Perforations: From: To:			Pool Eucumant		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none			Formation Yates SB. SW		
Producing Thru tbg. & csg.		Reservoir Temp. °F 84° @ 2696		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2		Connection	
L 2696	H 2696	Gg .919	% CO ₂ 15.57	% N ₂ 14.50	% H ₂ S	Prover	Meter Run	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							280				
1.							180				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.							
2.	RATE TAKEN FROM ELECTRONIC TOTAL FLOW METER						5.8
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					DRY	
2.					DRY	
3.					.919	XXXXXXXXXX
4.					DRY	XXXXXX
5.					*704	P.S.I.A. P.S.I.A.
					*396	R R

P _c 293.2 P _c ² 86.0				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.	37.3	193.2	37.3	48.6
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.767}{1.767 - 0.000} = 1.767$

2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.767$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10.25$

$\frac{P_c^2}{P_c^2 - P_w^2} = 1.767$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10.25$

Absolute Open Flow 10.25 Mcfd @ 15.025	Angle of Slope θ 45°	Slope, n 1.000
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Remarks: **NO FLUID MADE DURING TEST.**

*** CORRECTED TO 15% CO₂ & 14% N₂**

Approved By Division SEXTON	Conducted By: PRO WELL TESTERS	Calculated By: KS	Checked By: BM
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JAN 17 1995

RECEIVED

JAN 04 1995

O C D HOBBS
OFFICE