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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

clsf

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TEXACO E & P						Lease or Unit Name TEX MACK "2" ST.						
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3/21/00			Well No 2			
Completion Date			Total Depth 12455		Plug back TD		Elevation			Unit Ltr. - Sec - TWP - Rge F 2-12-31		
Csg. Size 5 1/2		Wt 17#		d 4.892		Set At 12455		Perforations: From: 12144 To: 12188			X 5' 11" 1/2	
Thg. Size 2 7/8		Wt 6.5		d 2.441		Set At 11953		Perforations: From: To:			Pool Fron Morrow	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At 11953			Formation MORROW			
Producing Thru Thg.		Reservoir Temp. °F 193		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2			Connection AIR			
11953		hH 11953		Gg 739		%CO ₂ .5031		%N ₂ .757		%H ₂ S n/a		Prover n/a
										Meter Run 4.026		Taps FLG

FLOW DATA					TUBING DATA		CASING DATA		Duration	
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	Of Flow
SI						2840	N/A	PKR		
1.	4.026 X 1.000		180	18	68	2670				60MINS.
2.	4.026 X 1.000		180	37	68	2580				60MINS.
3.	4.026 X 1.000		180	78	65	2520				60MINS.
4.	4.026 X 1.000		180	21	65	2450				60MINS.
5.										

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	4.753	58.9	193.2	.9924	1.163	1.062	343
2.	4.753	84.5	193.2	.9924	1.163	1.062	492
3.	4.753	122.7	193.2	.9952	1.163	1.064	718
4.	12.79	63.7	193.2	.9952	1.163	1.064	1003
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	N/A	Mcft/bbl.
1.	.76	528	1.34	.887	A. P. I. Gravity of Liquid Hydrocarbons	N/A	Deg.
2.	.76	528	1.34	.887	Specific Gravity Separator Gas	.739	XXXXXXXXXX
3.	.76	525	1.33	.884	Specific Gravity Flowing Fluid	N/A	XXXXXX
4.	.76	525	1.33	.884	Critical Pressure	687	P.S.I.A. P.S.I.A.
5.					Critical Temperature	393	R. R.

P _c 2853.2 P _c ² 8140.8				
No.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1.	7199.6	2683.5	7201.1	939.7
2.	6724.7	2593.8	6727.8	1413.0
3.	6417.1	2534.5	6423.6	1717.1
4.	6067.4	2465.8	6080.0	2060.8
5.				

(1) P_c² = 3.950

P_c² - P_w²

AOF = Q

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.962$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.950$

Absolute Open Flow 3.962 Mcfd @ 15.025		Angle of Slope θ: 45.0	Slope, n: 1.000
Remarks: * NO LIQUID MADE DURING TEST			
Approved By Division	Conducted By: PRO WELL TESTING	Calculated By: MB.	Checked By: BML