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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
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 EXPLORATION						Lease or Unit Name COTTON DRAW					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-16-97		Well No. 76			
Completion Date 5-1-97		Total Depth 16623		Plug Back TD		Elevation 3457		Unit Lr. - Sec. - TWP - Rge. L-1-25S-31E			
Csg. Size	Wt.	d	Set At	Perforations: From: OPEN HOLE To:				County EDDY			
Tbg. Size 2-7/8	Wt. 6/5	d 2.441	Set At	Perforations: From: To: JUL - 1 - 1997				Pool Paduca Devonian			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At 16310'		Formation DEVONIAN			
Producing Thru TBG		Reservoir Temp. °F 255°		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2		Connection SALESA			
L 16400	H 16400	G _g .591	% CO ₂ 2.43	% N ₂ 1.16	% H ₂ S -0-	Prover -0-	Meter Run 5.763	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						5300		PKR.		
1.	5.763 X 2.750		942	10.3	125°	5300	65°	"		60 min
2.	5.763 X 2.750		947	30.9	80°	5090	67°	"		60 min
3.	5.763 X 2.750		948	91.0	75.4°	4710	69°	"		60 min
4.	5.763 X 2.750		957	165.0	64.0°	4120	71°	"		60 min
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl
1.					N/A	
2.					N/A	
3.					.591	XXXXXXXXXX
4.					N/A	XXXXXX
5.					663	P.S.I.A.
					348	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1.	5333.2	28443.0		
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 30.060$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 124.644$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.110$

Absolute Open Flow 124,644 Mcfd @ 15.025	Angle of Slope θ 62.13	Slope, n .5288
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Remarks: **CALCULATED FROM KNOWN BOTTOM HOEL PRESSURES**

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: MB	Checked By: BM
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