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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 CONOCO, INC.						Lease or Unit Name MEYER B-8					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-5-94		Well No. 6			
Completion Date 12-7-93		Total Depth 3800		Plug Back TD 3240		Elevation		Unit Lr. - Sec. - TWP - Rge. 8 21S 36E			
Csg. Size 5 1/2"		Wt. 15.5		d 4.950		Set At		Perforations: From: 2864 To: 3180		County LEA	
Tbg. Size 2 3/8		Wt. 4.7		d 1.995		Set At 2942		Perforations: From: To:		Pool Eumont	
Type Well - Single - Bradenhead - G.G. or P.O. Multiple single						Packer Set At no packer		Formation EUMONT			
Producing Thru TBG		Reservoir Temp. °F 88		Mean Annual Temp. °F 60		Baro. Press - P. 13.2		Connection PIPELINE			
L 3022		H 3022		Gg .672		% CO ₂ .47		% N ₂ 2.84		% H ₂ S Prover	
										Meter Run 3.068	
										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						225				
1.	3.068 X 2.25		23.8	.4	48	220	60			45min
2.	3.068 X 2.25		25.5	1.3	53	215	60			45min
3.	3.068 X 2.25		27.1	2.9	55	200	60			45 min
4.	3.068 X 2.25		29.0	5.1	61	181	60			45 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.	28.78	3.85	37	1.012	1.220	1.007	138
2.	28.78	7.09	38.7	1.007	1.220	1.006	252
3.	28.78	10.81	40.3	1.005	1.220	1.006	384
4.	28.78	14.67	42.2	.999	1.220	1.005	517
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1.	.055	508	1.36	.987	A.P. I. Gravity of Liquid Hydrocarbons	Dry	Deg.
2.	.058	513	1.37	.988	Specific Gravity Separator Gas	.672	XXXXXXXXXX
3.	.061	515	1.38	.989	Specific Gravity Flowing Fluid	XXXXXX	
4.	.064	520	1.39	.990	Critical Pressure	664	P.S.I.A.
5.					Critical Temperature	373	R

P_c **238.2** P_c² **56.74**

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		233.7	54.6	2.1
2.		229.8	52.8	3.9
3.		217.2	47.2	9.6
4.		202.1	40.8	15.9
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.929$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.470$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,332$

Absolute Open Flow 1,332 Mcfd @ 15.025		Angle of Slope θ 55°	Slope, n .69897
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Remarks: **NO FLUID MADE DURING TEST**

Approved By Division	Conducted By: PRO WELL TESTERS	Calculated By: KS	Checked By: BM
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