

Submit in duplicate to
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 CONOCO, INC.						Lease or Unit Name MEYER A -1					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-11-94		Well No. 21			
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. 17 21 36			
Csg. Size	Wt.	d	Set At	Perforations:				County			
5 1/2	15.5		3800	From: 3146 To: 3691				Lea			
Tbg. Size	Wt.	d	Set At	Perforations:				Pool			
2 7/8	6.4	2.441	3517	From: To:				EUMONT			
Type Well - Single - Bradenhead - G.G. or P.O. Multiple SINGLE						Packer Set At NONE		Formation QUEENS			
Producing Thru TBG.		Reservoir Temp. °F 102 23517		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection			
L **3517	II 3517	Gg .750	% CO ₂ 5.70	% N ₂ 1.01	% H ₂ S	Prover	Meter Run	Taps			

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							130				68 hr.
1.							122				1 hr.
2.							117				"
3.							113				"
4.							104				"
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							105
2.							157
3.							264
4.							411
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					Dry GAS	
2.					A.P. I. Gravity of Liquid Hydrocarbons Dry	Deg.
3.					Specific Gravity Separator Gas .750	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid XXXXXX	
5.					Critical Pressure ***687 P.S.I.A.	P.S.I.A.
					Critical Temperature ***396 R	R

P _c 142.4 P _c ² 20.28		1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{16.10}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{16.10}$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.		139.8	19.54	.74	
2.		139.3	19.40	.88	
3.		138.9	19.29	.99	
4.		137.9	19.02	1.26	
5.					

Absolute Open Flow 6,617 Mcfd @ 15.025		Angle of Slope Θ 45		Slope, n 1.00000	
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Remarks: * CALCULATED FROM KNOWN BHP'S ** BHP INSTR. SET @ THIS DEPTH	
*** CORRECTED TO 5.70% Co ₂ & 1.01% N ₂	

Approved By Division 	Conducted By: PRO WELL TESTER GB	Calculated By: KS	Checked By: BM
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