

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 STATE J-2					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-11-94		Well No. 15			
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. K-2 2T23 36			
Csg. Size	Wt.	d	Set At	Perforations:				Country			
5 1/2	15.5		3750	From: 2951 To: 3270				LEA			
Tbg. Size	Wt.	d	Set At	Perforations:				Pool			
2 3/8	4.7	1.995	3186	From: To:				EUMONT			
Type Well - Single - Bradenhead - G.G. or H.O. Multiple SINGLE						Packer Set At NONE		Formation QUEFFENS			
Producing Thru tbq		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P _a 13.2		Connection PIPELINE			
L **3186	II 3186	Gg .679	% CO ₂ .03	% N ₂ 3.66	% H ₂ S	Prover		Meter Run		Taps	

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						140				68 hr.
1.						70				1 hr.
2.						48				"
3.						42				"
4.						40				"
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.							50
2.			VOLUMES MEASURED				43
3.							88
4.			BY TOTAL FLOW METER				145
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 .679	XXXXXXXXXX
4.		N/A			Specific Gravity Flowing Fluid XXXXXX	
5.					Critical Pressure ***664 P.S.I.A.	P.S.I.A.
					Critical Temperature ***373 R	R

P _c 161.9		P _c ² 26.21	
NO.	P _t ²	P _w	P _w ²
1.		157.4	24.77
2.		156.7	24.55
3.		156.9	24.62
4.		156.5	24.49
5.			

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{15.42}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2,236}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{15.42}$

Absolute Open Flow 2,236 Mcfd @ 15.025	Angle of Slope θ 45°	Slope, n 1.00000
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Remarks: * **CLACULATED FORM KNOWN BHPS** ** **BHP INSTR. SET @ THIS DEPTH**
 *** **CORRECTED TO 3.66% N₂**

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