

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

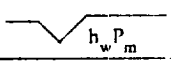
OIL CONSERVATION DIVISION

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 LOCKHART A - 18					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-12-94		Well No. 8			
Completion Date		Total Depth		Plug Back TD 3825		Elevation		Unit Ltr. - Sec. - TWP - Rge. 18 21 36			
Csg. Size 5 1/2	Wt. 15.5	d 4.950	Set At 3830	Perforations: From: 3238 To: 3722				County LEA			
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3665	Perforations: From: To:				Pool EUMONT			
Type Well - Single - Bradenhead - G.G. or H.O. Multiple SINGLE						Packer Set At NONE		Formation QUEENS			
Producing Thru CSG.		Reservoir Temp. °F 99° @ 3238		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection			
L 3238	H 3238	Gg .754	% CO ₂ 4.11	% N ₂ 1.24	% 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							*100		110		24 hr.
1.							96		105		1 hr.
2.							95		102		"
3.							90		90		"
4.							83		76		"
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.							187
2.							399
3.							746
4.							1154
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					Dry Gas	
2.					Dry	
3.					.754	XXXXXXXXXX
4.		N/A			XXXXXX	
5.					**683	P.S.I.A.
					**398	R

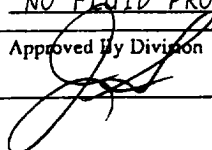
NO.	P _c	P _w	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	123.2	15.2		2.287	2.287
2.					
3.					
4.					
5.					

NO.	P _c	P _w	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	118.3	14.0	1.2	2,639
2.	115.5	13.3	1.8	
3.	104.4	10.9	4.3	
4.	92.4	8.5	6.6	
5.				

Absolute Open Flow 2,639	Mcf/d @ 15.025	Angle of Slope θ 45°	Slope, n 1.00000
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Remarks: *** TBG. PRESS. LOGGED-CSG. PRESS. USED. FLOWING THRU CSG. ONLY**

NO FLUID PRODUCED DURING TEST ** CORRECTED TO 4.11 Co₂ & 1.24% N₂

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