

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

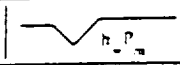
OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator LOUIS DREYFUS				Lease or Unit Name LOCO HILLS				ARIESIA WELDED COM	
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 12/9/99		Well No. 7			
Completion Date 12/8/99		Total Depth 11183		Plug Back TD 1114		Elevation 3532		Unit Loc. - Sec. - TWP - Rge. 4-28S-29E	
Log. Size 4 1/2		WL 11.6	d 4.000	Sec. At 11183	Perforations: From: 10958 To: 10994		County EDDY		
Log. Size 2-3/8		WL 4.7	d 1.995	Sec. At 10880	Perforations: From: To:		Pool		
Type Well - Single - Bradenhead - G.C. - G.C. Multiple single				Packer Sec. At 10880		Formation LOWER MORROW			
Producing Thru TBG		Reservoir Temp. °F 182.8		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2		Connection SALES	
L 10880	II 10880	G _g .660	% CO ₂ .066	% N ₂ 1.518	% H ₂ S -0-	Prover -0-	Mean Flow 3.068	Taps FLG	

FLOW DATA					TUBING DATA			CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. psig.	Diff. h _w	Temp. °F	Press. psig.	Temp. °F	Press. psig.	Temp. °F	
5.						3420				PKR
1.	3.068 X 1.500		284.6	11"	61 °	3360		"		60 min
2.	3.068 X 1.500		294.9	25.6"	54.3 °	3300		"		60 min
3.	3.068 X 1.500		306.8	53.0"	47 °	3200		"		60 min
4.	3.068 X 1.500		314.2	122	54 °	3025		"		60 min
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (21 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor F _{sc}	Rate of Flow Q, Mcfd
1.							786
2.							1248
GAS VOLUME MEASURED BY TOTAL FLOW METER							
3.							1875
4.							2784
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	MOLE
1.					139.438	
2.					46.6	DEG
3.	TOTAL FLOW				.660	XXXXXXXXXX
4.					N/A	XXXXX
5.					672	
					373	

P _c 3433.2		P _c 11,786.9		
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1.		3376.4	11400.1	386.8
2.		3321.4	11031.4	755.5
3.		3231.9	10445.5	1341.4
4.		3081.0	9492.6	2294.3
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.13$ 2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 3.20$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 8908.8$

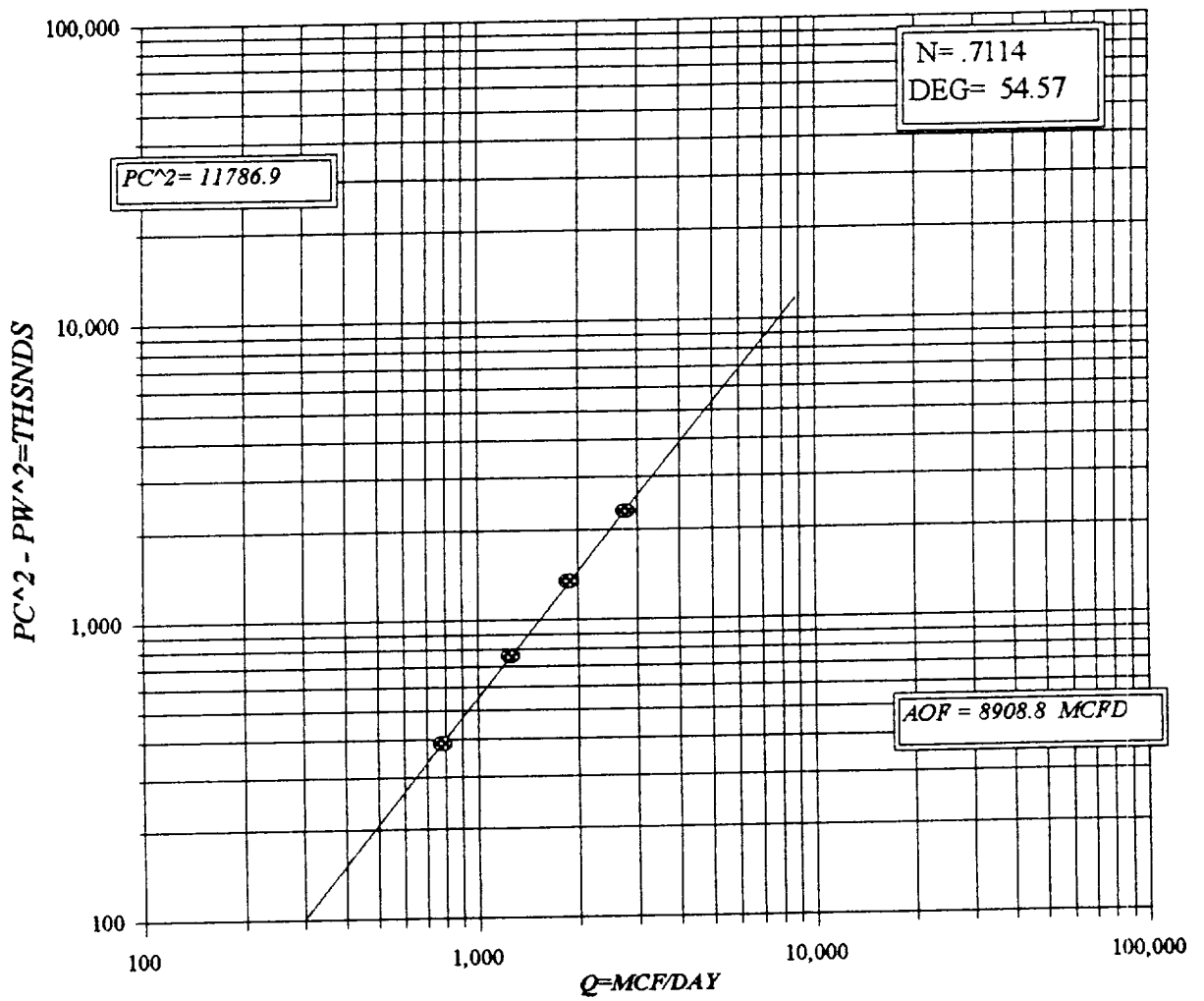
Absolute Open Flow **8908.8** Mcfd @ 15.025 Angle of Slope θ **54.57** Slope, n **.7114**

Remarks: * WELL MADE 2 BBLS OF 46.6 GRAVITY CONDENSATE DURING TEST

Approved By Division	Conducted By: PRO WELL TESTING	Calculated By: MB	Checked By: BM
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RECEIVED
DEC 27 1999
BLM
ROSWELL, NM

LOUIS DREYFUS
LOCO HILLS "4" FED COM # 1



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