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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacific
Santa Fe, NM 87305

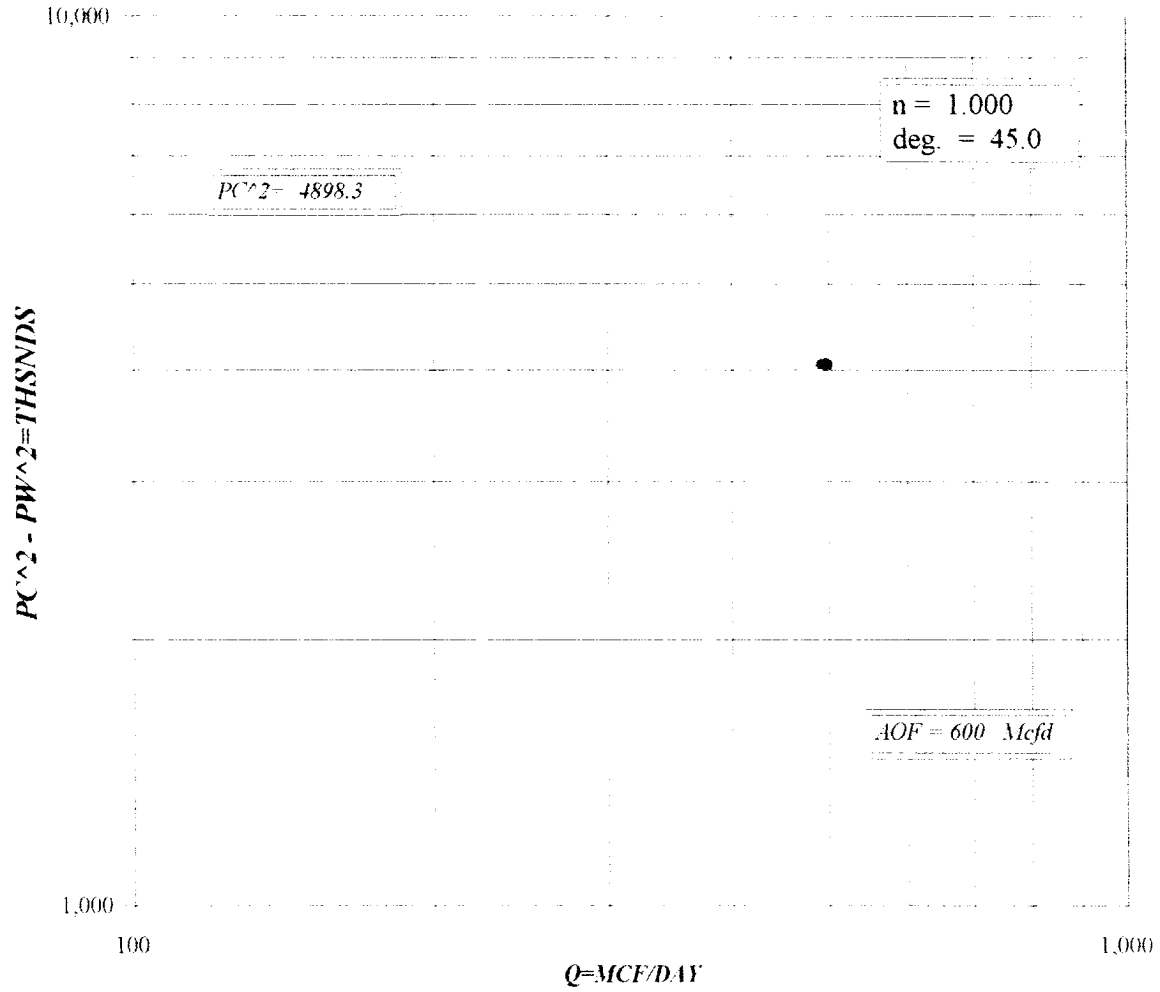
Form C-122
Revised October, 1999

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MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CHI OPERATING INC.				Lease or Unit Name CANNONBALL "9" ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date	Well No. 2
Completion Date		Total Depth 10021		Plug Back TD 9862		Elevation	Unit Ltr - Sec - TWP - Rge 9 17S 28E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10021	Perforations: From: 9768 To: 9845		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 9745	Perforations: From: To:		Pool SE Crow Flats Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9745		Formation	
Producing Thru TUBING		Reservoir Temp. °F 171.4	Mean Annual Temp. °F 60	Baro. Press. - P ₁ 13.2		Connection SALES	
L 9745	H 9745	Gg 0.76	%CO ₂ 8.301	%N ₂ 2.41	%H ₂ S N/A	Prover N/A	Meter Run 2.067
						Taps FLG	
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	2.067 X 1.250		612	6	62	900	
2							
3							
4							
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1							497
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	
3							
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.76 XXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXX		
4					Critical Pressure 637 P.S.I.A. P.S.I.A.		
5					Critical Temperature 390 R. R.		
P _c	2213.2	P ₂	4898.3				
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.208}{\quad}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.208}{\quad}$		
1	833.9	917.7	842.2	4056			
2							
3							
4							
5							
Absolute Open Flow 600 Mcfd @ 15.025				Angle of Slope (°): 45		Slope n: 1	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

CHI OPERATING INC.
CANNONBALL "9" ST. COM #2



0 COMPANY : CHI LEASE : CANNONBALL 9 ST WELL NO. : 2
UNIT : SECTION : TOWNSHIP :
L : 9745 H : 9745 L/H : 1 G/GMIX : 0.760
%CO2 : 8.301 %N2 : 2.41 H2S : DATE :
d : 1.995 Fr : 0.018231 GH : 7406.2 RANGE :

Pc = 2213.2 Pc2 = 4898.3 *
Pt2 = 8. Pw = 917.7 *
0.0 ERR *
0.0 ERR *
0.0 ERR *

VOL 1 : 497 PSIA 1 : 913.2 RESV.TEMP 171.4
VOL 2 : PSIA 2 :
VOL 3 : PSIA 3 : SHUT-IN PR= 2213.2
VOL 4 : PSIA 4 :

Pc2-Pw2= 4056.0 Pw2 = 842.2 *
ERR ERR *
ERR ERR *
ERR ERR *

PCR : 637
TCR : 390

n = 1.000 *
Pc2/(Pc2-Pw2) = 1.208 *
ERR *
ERR *
ERR *

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.497	0.497	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	631.5	631.5	631.5	631.5	631.5	631.5	631.5	631.5
4 T	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7
PR (est)	1.43		0.00		0.00		0.00	
5 Z(est)	0.841	0.821	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	489.9	478.6	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	15.116	15.473	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.763	1.786	ERR	ERR	ERR	ERR	ERR	ERR
9 l-e-S	0.433	0.440	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	913.2	913.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	833.9	833.9	0.0	0.0	0.0	0.0	0.0	0.0
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc=FrTZ	8.932	8.726	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	4.44	4.34	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	19.7	18.8	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	8.527526	8.280384	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	842.5	842.2	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	1485.0	1504.6	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	1218.6	1226.6	ERR	ERR	ERR	ERR	ERR	ERR
20 P	1065.9	1069.9	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	1.67	1.68	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
23 Z	0.821	0.821	ERR	ERR	ERR	ERR	ERR	ERR

[Pc2/Pc2-Pw2]n = 1.208 *
ERR *
ERR *
ERR *
AOF= Q 0.600 *
ERR *
ERR *

FORM C122-D