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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 Threshold Dex. Co. ✓				Lease or Unit Name Conoco 30 St.			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-14-99		Well No. 7	
Completion Date		Total Depth 11,750		Plug Back TD 11,673		Elevation 3375	
Casing Size 5 1/2		WC 17#		Set At 4.892		Perforations: From: 11420 To: 11454	
Casing Size 2 3/8		WC 4.7		Set At 1.995		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. & Q. Multiple Single				Packer Set At 11356		Formation Marrow	
Producing thru Tbg		Reservoir Temp. °F 187.6		Mean Annual Temp. °F 60		Hardness - P 13.2	
L 11,356		H 11,356		G _s .636		% CO ₂ .869	
				% N ₂ .402		% H ₂ S 0	
Prover 0		Meter Run 2.067		Taps F/g			

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. psig.	Diff. h _u	Temp. °F	Press. psig.	Temp. °F	
1.	2.067	X	1.375	125	4.1	64°	516		24 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mscf/d
1.						465
2.						
3.						
4.						
5.						

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	API Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					43.627	54.0	.636	N/A	673	364
2.										
3.										
4.										
5.										

P _r 1763.2 P _w 3108.9				1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.102$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 1.102$	
NO.	P _r ²	P _w ²	P _c ²	P _c ² - P _w ²			
1.	280.1	536.9	288.3	2820.6			
2.							
3.							
4.							
5.							

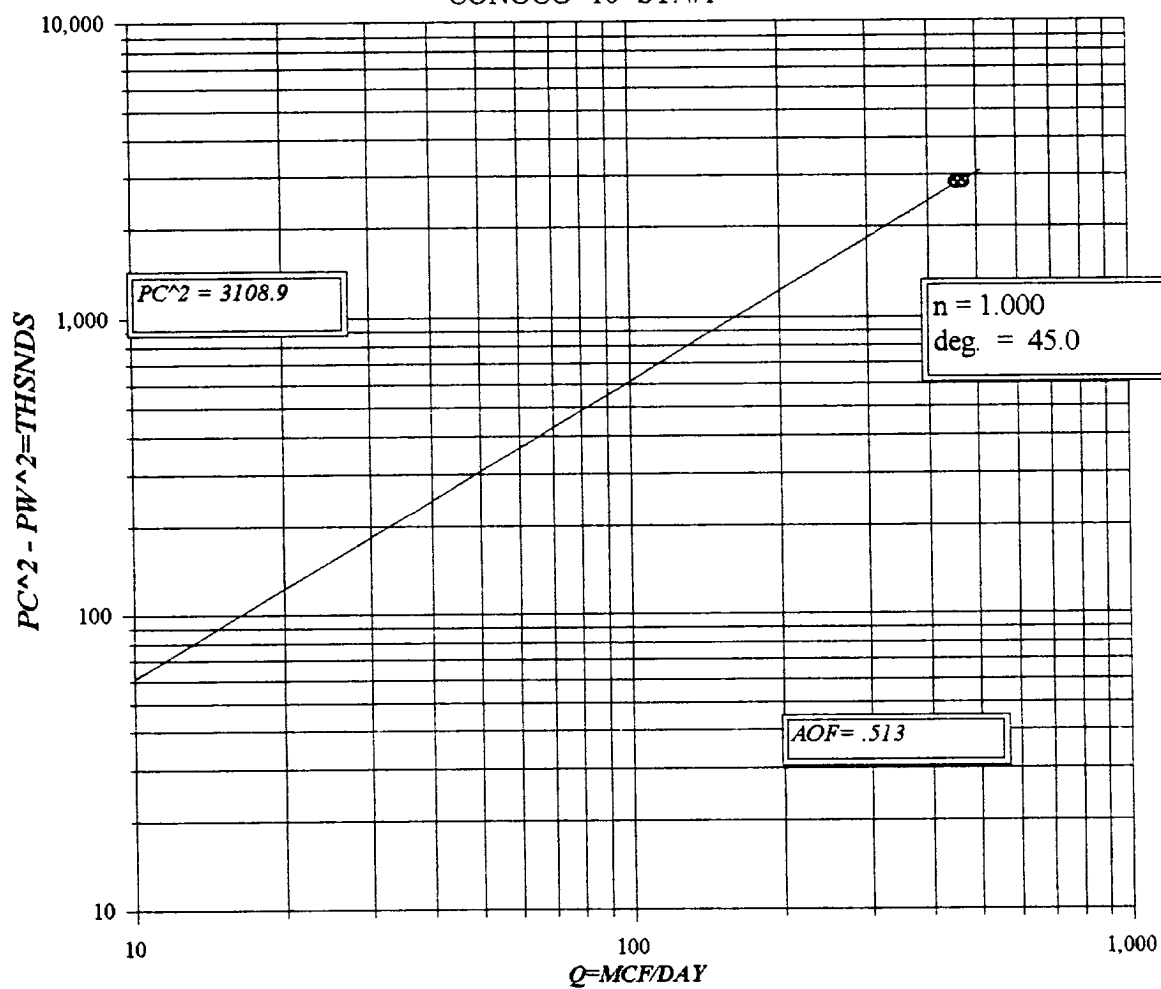
Absolute Open Flow	.513	Mscf @ 15.025	Angle of Slope	45°	Slope, n	1.000
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Remarks: *Well made 10.66 bbls of 54° API gravity condensate during test

Approved By Division	Conducted By: Pro Well Testing	Calculated By: M. B.	Checked By: B. M.
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THRESHOLD DEV. CO.

CONOCO "10" ST. #1



COMPANY : THRESHOLD DEV. CO. LEASE : CONOCO 10 ST. WELL NO. : 1 Pc = 1763.2 Pc2 = 3108.9 *
 UNIT : SECTION : 10 TOWNSHIP : 29 *
 L : 11356 H : 11356 L/H : 1 G/GMIX : 0.636 Pt2 = 280.1 Pw = 536.9 *
 %CO2 : 0.869 %N2 : 0.402 H2S : DATE : 5/14/99 0.0 ERR *
 d : 1.995 Fr : 0.018231 GH : 7222.4 RANGE : 29 0.0 ERR *
 0.0 ERR *

VOL 1 : 465 PSIA 1 : 529.2 RESV. TEMP 187.6 Pc2-Pw2= 2820.6 Pw2 = 288.3 *
 VOL 2 : PSIA 2 : ERR ERR *
 VOL 3 : PSIA 3 : SHUT-IN PR= 1763.2 ERR ERR *
 VOL 4 : PSIA 4 : ERR ERR *

PCR : 673 n = 1.000 *
 TCR : 364 *

Pc2/(Pc2-Pw2) = 1.102 *
 ERR *
 ERR *
 ERR *

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND
1 QM	0.465	0.465	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	647.6	647.6	647.6	647.6	647.6	647.6	647.6	647.6
4 T	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8
PR (est)	0.79		0.00		0.00		0.00	
5 Z(est)	0.918	0.910	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	542.6	537.8	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	13.311	13.429	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.647	1.655	ERR	ERR	ERR	ERR	ERR	ERR
9 l-e-S	0.393	0.396	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	529.2	529.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	280.1	280.1	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	9.892	9.805	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	4.60	4.56	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	21.2	20.8	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	8.314456	8.224492	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	288.4	288.3	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	475.0	477.0	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	689.2	690.7	ERR	ERR	ERR	ERR	ERR	ERR
20 P	609.2	609.9	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	0.91	0.91	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
23 Z	0.910	0.910	ERR	ERR	ERR	ERR	ERR	ERR

[Pc2/Pc2-Pw2]n = 1.102 *
 ERR *
 ERR *
 ERR *
 AOF= Q 0.513 *
 ERR *
 ERR *

FORM C122-D *