30-015-33900

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: MEWBOURNE OIL		Lease or Unit Name: VICTORY 26 FED	
Type Test: ☑ Initial ☐ Annual ☐ Special		Test Date: 5/11/2005	Well No.: 1
Completion Date: 5/7/2005	Total Depth: 11670	Plug Back TD: 11601	Elevation: 3248
Unit Ltr - Sec - TWP - Rge: A 26-20S-28E			
Csg. Size: 5 1/2 / Wt.: 17 / d: 4.892 / Set At: 11670	Perforations: From: 11422 To: 11498	County: EDDY	
Tbg. Size: 2 7/8 / Wt.: 6.5 / d: 2.44 / Set At: 11001	Perforations: From: To:	Pool: BURTON FLAT	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE	Packer Set At: 10961	Formation: MORROW	
Producing Thru: TUBING	Reservoir Temp.: 181	Mean Annual Temp.: 60	Baro. Press.-P_a: 13.2	Connection: SALES

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
11001	11001	0.606	0.909	0.248	0	N/A	3	FLG

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp.	Press p.s.i.g.	Temp.	Press p.s.i.g.	Temp.	Duration of Flow
SI					1600				
1	3.0 X 1.000	138	15.4	77	134				24 HRS
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	7.77						355
2							
3		TOTAL	FLOW	METER			
4							
5							

No.	P_r	Temp. R	T_r	Z
1				
2				
3	TOTAL	FLOW		
4				
5				

Gas Liquid Hydrocarbon Ratio	N/A		Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons	N/A		Deg.
Specific Gravity Separator Gas	0.606		XXXXXXX
Specific Gravity Flowing Fluid	N/A	XXXXX	
Critical Pressure	675 P.S.I.A.	N/A	P.S.I.A.
Critical Temperature	354 R.	N/A	R

P_c 1613.2 P_c^2 2602.4

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		165.3	27.3	2575.1
2				
3				
4				
5				

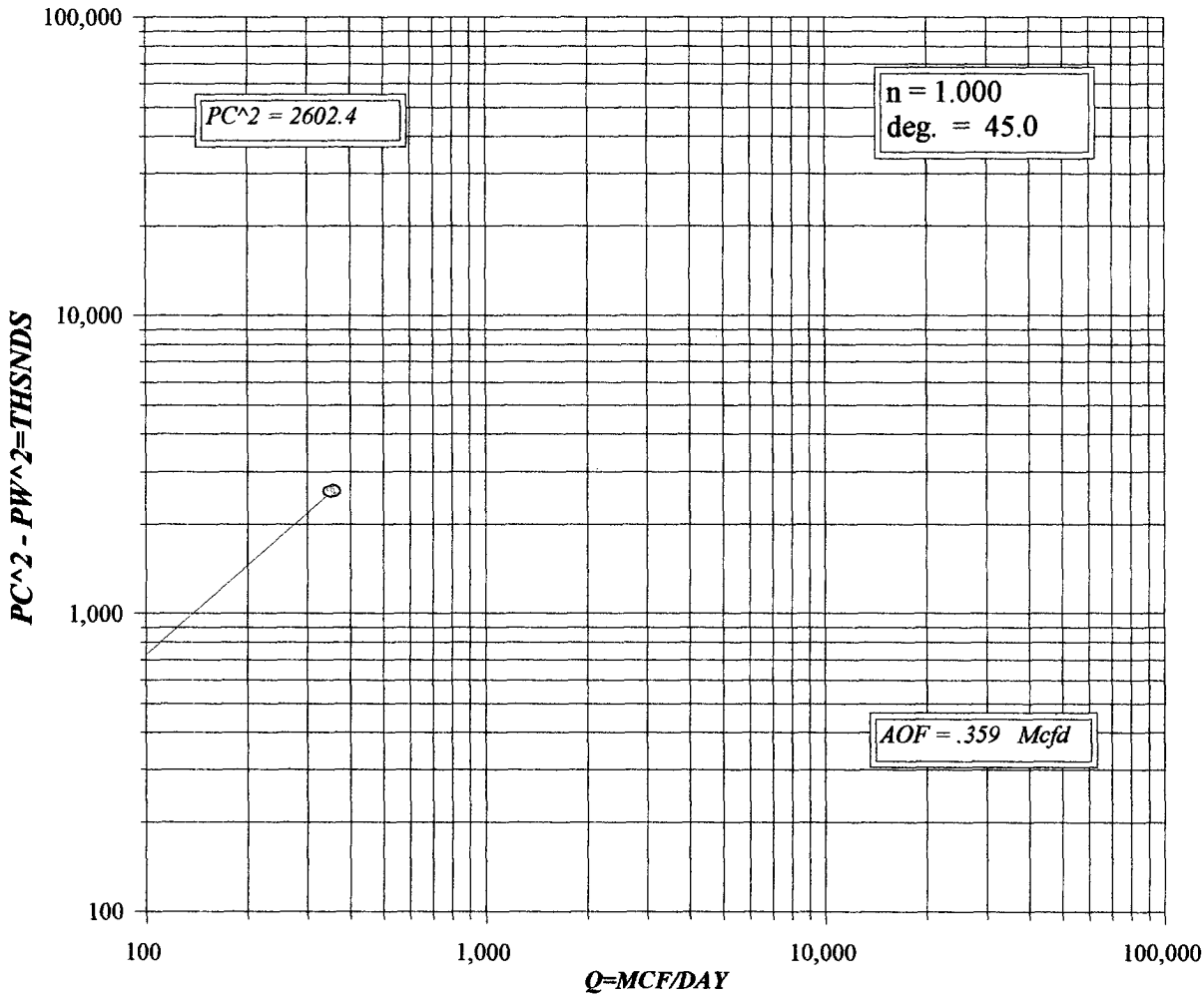
(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 1.011 (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 1.011

AOF = Q $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 0.359

Absolute Open Flow	[0.359]	Mcfd @ 15.025	Angle of Slope ():	45	Slope, n: 1
Remarks:	0 BO 13 BW				
Approved By Division:	Conducted By: MEWBOURNE	Calculated By: MERV BUECKER	Checked By: MB		

MEWBOURNE OIL

VICTORY 26 FED #1



C122D FORM IMPORTED FROM SYMPHONY ON 9-9-01

COMPANY :	MEWBOURNE OIL		LEASE :	VICTORY 26 FED		WELL NO. :	1												
UNIT :	A		SECTION :	26				TOWNSHIP :	20S										
L :	11001	H :	11001	L/H :	1	G/GMIX :	0.606												
%CO2 :	0.909	%N2 :	0.248	H2S :				DATE :	5/11/05										
d :	1.995	Fr :	0.018183	GH :	8197.0			RANGE :	28E										
VOL 1 :	355	PSIA 1 :	147.2			RESV.TEMP	196.0												
VOL 2 :		PSIA 2 :																	
VOL 3 :		PSIA 3 :				SHUT-IN PRI =	1613.2												
VOL 4 :		PSIA 4 :																	
				PCR :	675														
				TCR :	354														

LINE		RATE 1		RATE 2		RATE 3		RATE 4	
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1	QM	0.355	0.355	0.000	0.000	0.000	0.000	0.000	0.000
2	TW	534	534	534	534	534	534	534	534
3	Ts	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
4	T	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0
	PR (est)	0.22		0.00		0.00		0.00	
5	Z(est)	0.961	0.958	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	TZ	571.8	569.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7	GH/TZ	14.336	14.386	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	eS	1.712	1.715	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	1-e-S	0.416	0.417	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	Pt	147.2	147.2	0.0	0.0	0.0	0.0	0.0	0.0
11	Pt2 /1000	21.7	21.7	0.0	0.0	0.0	0.0	0.0	0.0
12	Fr	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183
13	Fc=FrTZ	10.397	10.361	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
14	FcQm	3.69	3.68	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	L/H(FcQm)2	13.6	13.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Fw	5.664882	5.640272	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17	Pw2	27.3	27.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
18	Ps2	46.8	46.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
19	Ps	216.3	216.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
20	P	181.8	181.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
21	Pr	0.27	0.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
22	Tr	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
23	Z	0.958	0.958	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Pc =	1613.2	Pc2 =	2602.4
Pt2 =	21.7	Pw =	165.3
	0.0		#DIV/0!
	0.0		#DIV/0!
	0.0		#DIV/0!
Pc2-Pw2=	2575.1	Pw2 =	27.3
	#DIV/0!		#DIV/0!
	#DIV/0!		#DIV/0!
	#DIV/0!		#DIV/0!
n =		1.000	
Pc2/(Pc2-Pw2) =		1.011	
		#DIV/0!	
		#DIV/0!	
[Pc2/Pc2-Pw2]n =		1.011	
		#DIV/0!	
		#DIV/0!	
		#DIV/0!	
AOF= Q		0.359	
		#DIV/0!	
		#DIV/0!	
		#DIV/0!	

FORM C122-D