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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 Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

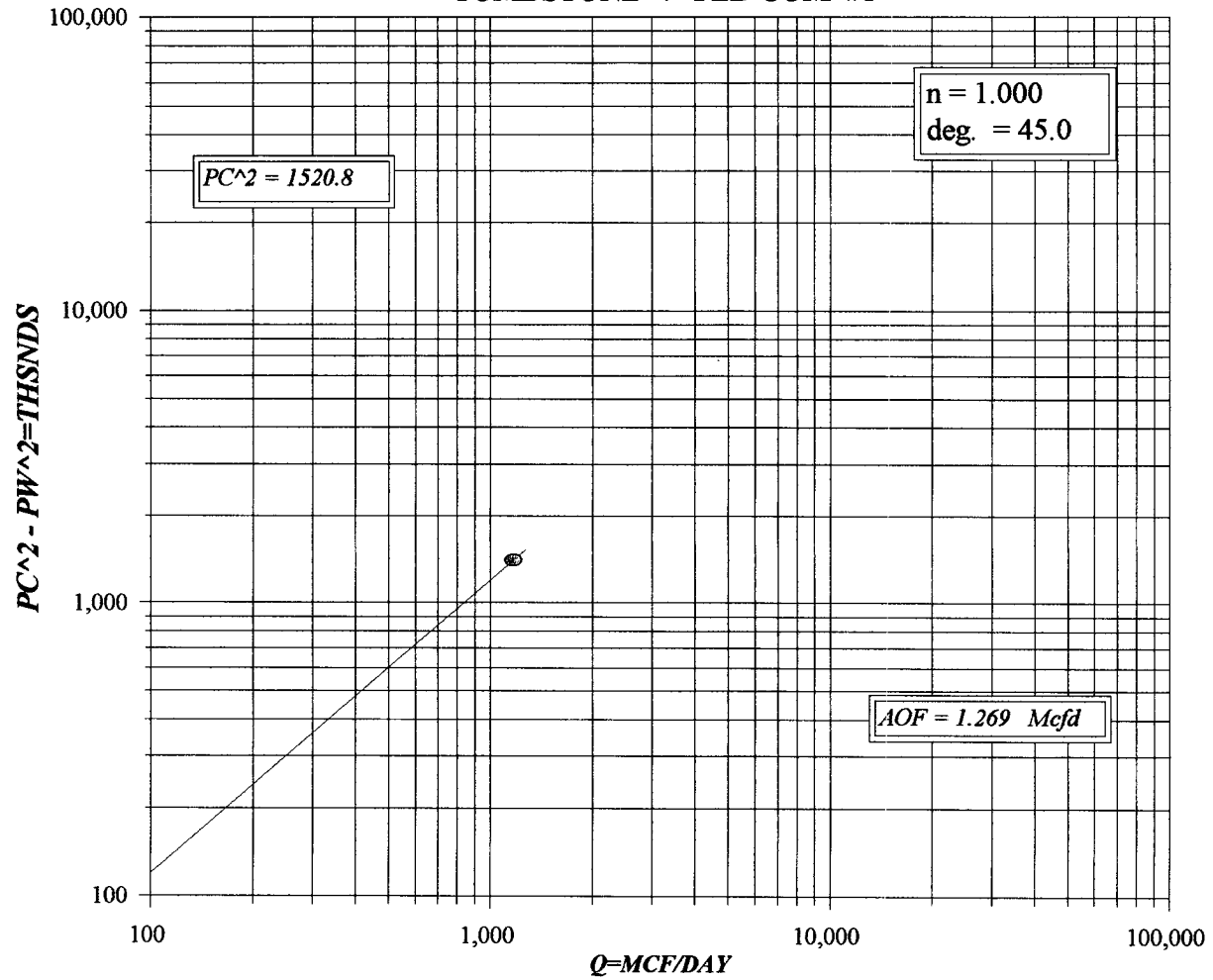
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SEP 16 2004

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name TOMBSTONE 7 FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/19/04		Well No. 1	
Completion Date 7/29/04		Total Depth 9700		Plug Back TD 9654		Elevation 3535	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 9700	
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 8897	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 8883		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
L 11048		H 11048		Gg 0.7		%CO ₂ 7.562	
				%N ₂ 1.902		%H ₂ S	
				Prover		Meter Run 3.067	
						Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI						1233.2	
1	3.067 X 1.000		119	10.1	72	313.2	
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							1170
2	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					Specific Gravity Separator Gas 0.595 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX		
4					Critical Pressure 677 P.S.I.A. P.S.I.A.		
5					Critical Temperature 349 R. R.		
P _c 1233.2 P _{c2} 1520.8							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{1.085}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.085$		
1		344.5	118.7	1402.1			
2							
3							
4							
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.269$		
Absolute Open Flow 1.269				Mcf @ 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	

MEWBOURNE OIL CO.
TOMBSTONE "7" FED COM #1



COMPANY : MEWBOURNE OIL CO.				LEASE : TOMBSTONE 7 FED COWELL NO.				2				Pc = 1233.2		Pc2 = 1520.8		*					
UNIT : P				SECTION : 7				TOWNSHIP : 20S				Pc2 = 1233.2		Pc2 = 1520.8		*					
L : 8897				H : 8897				L/H : 1				G/GMIX : 0.595				Pc2 = 1233.2		Pc2 = 1520.8		*	
%CO2 : 1.57				%N2 : 0.507				H2S : 8197.0				DATE : 8/19/04				Pc2 = 1233.2		Pc2 = 1520.8		*	
d : 2.441				Fr : 0.010763				GH : 8197.0				RANGE : 25E				Pc2 = 1233.2		Pc2 = 1520.8		*	
VOL 1 : 1170				PSIA 1 : 313.2				RESV.TEMP : 181.0				Pc2-Pw2 = 1402.1				Pw2 = 118.7		*			
VOL 2 :				PSIA 2 :				SHUT-IN PRE : 1233.2				#DIV/O!				#DIV/O!		*			
VOL 3 :				PSIA 3 :				#DIV/O!				#DIV/O!				#DIV/O!		*			
VOL 4 :				PSIA 4 :				#DIV/O!				#DIV/O!				#DIV/O!		*			
PCR : 677				TCR : 349				n = 1.000				Pc2/(Pc2-Pw2) = 1.085				#DIV/O!		*			
LINE				RATE 1		RATE 2		RATE 3		RATE 4		Pc2/(Pc2-Pw2) = 1.085		#DIV/O!		*					
				'1ST		'2ND		'1ST		'2ND		#DIV/O!		#DIV/O!		*					
				'1ST		'2ND		'1ST		'2ND		#DIV/O!		#DIV/O!		*					
1 QM				1.170		1.170		0.000		0.000		0.000		0.000		0.000		*			
2 TW				534		534		534		534		534		534		534		*			
3 Ts				641.0		641.0		641.0		641.0		641.0		641.0		641.0		*			
4 T				587.5		587.5		587.5		587.5		587.5		587.5		587.5		*			
PR (est)				0.46		0.00		0.00		0.00		0.00		0.00		0.00		*			
5 Z(est)				0.945		0.939		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
6 TZ				555.4		551.5		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
7 GH/TZ				14.759		14.862		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
8 eS				1.739		1.746		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
9 I-e-S				0.425		0.427		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
10 Pt				313.2		313.2		0.0		0.0		0.0		0.0		0.0		*			
11 Pt2 /1000				98.1		98.1		0.0		0.0		0.0		0.0		0.0		*			
12 Fr				0.010763		0.010763		0.010763		0.010763		0.010763		0.010763		0.010763		*			
13 Fc=FrTZ				5.978		5.936		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
14 FcQm				6.99		6.95		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
15 L/H(FcQm)2				48.9		48.2		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
16 Fw				20.790345		20.610043		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
17 Pw2				118.9		118.7		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
18 Ps2				206.8		207.3		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
19 Ps				454.7		455.3		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
20 P				384.0		384.2		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
21 Pr				0.57		0.57		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
22 Tr				1.68		1.68		1.68		1.68		1.68		1.68		1.68		*			
23 Z				0.939		0.939		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		#DIV/O!		*			
																FORM C122-D		*			