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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

30-015-33534

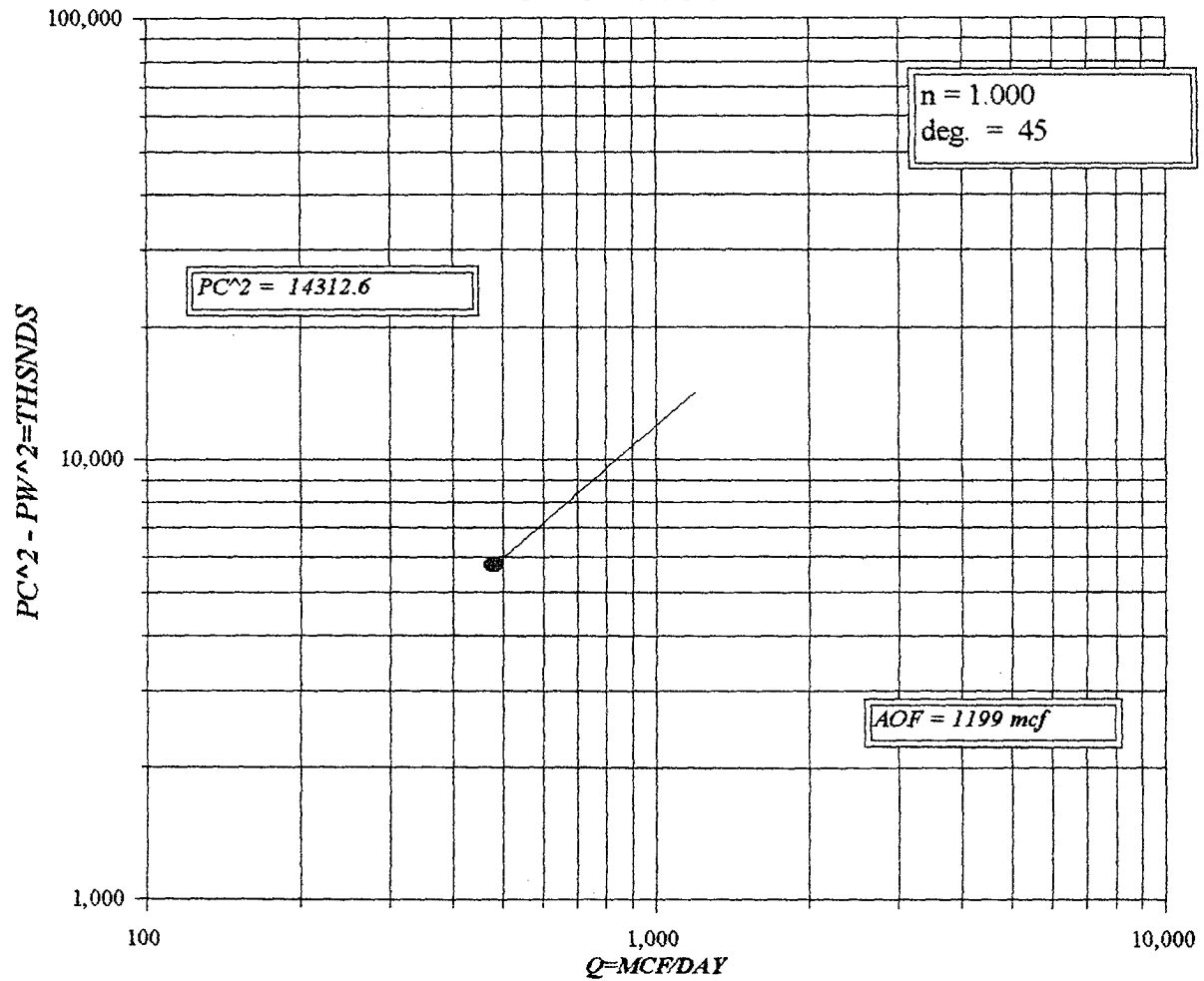
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MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL CO.				Lease or Unit Name PECOS RIVER "9"			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/5/2005		Well No. 1	
Completion Date 11/19/2004		Total Depth 11880		Plug Back TD 11842		Elevation 3077	
Unit Ltr - Sec - TWP - Rge I 9 22S 27E							
Csg. Size 7	Wt. 20	d 2.441	Set At 9006	Perforations: From: 11398 To: 11858		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11059	Perforations: From: To:		Pool CALSBAD SOUTH UNIT	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 11069	H 11069	Gg 0.628	%CO ₂ 4.604	%N ₂ 2.097	%H ₂ S N/A	Prover N/A	Meter Run 3.068
Taps FLG							
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI							
1	3.068 X 1.000		263	67.82	67	3770	2910
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							301
2							
3	TOTAL	FLOW	METER				
4							
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1					DRY GAS Mcf bbl.		
2	TOTAL	FLOW	METER		A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.		
3					Specific Gravity Separator Gas 0.628 XXXXXXXX		
4					Specific Gravity Flowing Fluid XXXXXX N/A		
5					Critical Pressure 696 P.S.I.A. N/A P.S.I.A.		
					Critical Temperature 355 R N/A R		
P _c 3783.2		P _{c2} 14312.6					
No.	P ₁ ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.483}{1.199}$		
1		2923.6	8547.6	5765	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.483}{1.199}$		
2							
3							
4							
5							
Absolute Open Flow		1		Mcf @ 15.025		Angle of Slope (°) 45	
						Slope, n: 1.000	
Remarks: NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL COMPANY

PECOS RIVER 9 #1



UNIT : I		SECTION : 9		TOWNSHIP : 22		PC = 3783.2		PCZ = 14312.6	
L : 10069		H : 10069		L/H : 1		G/GMIX : 0.628		Pt2 = 8545.1 Pw = 2923.6	
%CO2 : 4.484		%N2 : 1.099		H2S :		DATE : 05-05-05		0.0 ERR	
d : 2.441		Fr : 0.010763		GH : 6323.3		RANGE : 27		0.0 ERR	
								0.0 ERR	
VOL 1 : 483		PSIA 1 : 2923.2		RESV.TEMP 181.0		Pc2-Pw2= 5765.0		Pw2 = 8547.6	
VOL 2 :		PSIA 2 :				ERR		ERR	
VOL 3 :		PSIA 3 :		SHUT-IN PR= 3783.2		ERR		ERR	
VOL 4 :		PSIA 4 :				ERR		ERR	
		PCR : 696						n = 1.000	
		TCR : 355							
LINE		RATE 1		RATE 2		RATE 3		RATE 4	
		1ST		1ST		1ST		1ST	
		2ND		2ND		2ND		2ND	
1 QM		0.483		0.000		0.000		0.000	
2 TW		534		534		534		534	
3 Ts		641.0		641.0		641.0		641.0	
4 T		587.5		587.5		587.5		587.5	
PR (est)		4.20		0.00		0.00		0.00	
5 Z(est)		0.831		ERR		ERR		ERR	
6 TZ		488.4		ERR		ERR		ERR	
7 GH/TZ		12.947		ERR		ERR		ERR	
8 eS		1.625		ERR		ERR		ERR	
9 l-e-S		0.385		ERR		ERR		ERR	
10 Pt		2923.2		0.0		0.0		0.0	
11 Pt2 /1000		8545.1		0.0		0.0		0.0	
12 Fr		0.010763		0.010763		0.010763		0.0107631	
13 Fc=FrTZ		5.257		ERR		ERR		ERR	
14 FcQm		2.54		ERR		ERR		ERR	
15 L/H(FcQm)		6.4		ERR		ERR		ERR	
16 Fw		2.479421		ERR		ERR		ERR	
17 Pw2		8547.6		ERR		ERR		ERR	
18 Ps2		13889.9		ERR		ERR		ERR	
19 Ps		3726.9		ERR		ERR		ERR	
20 P		3325.1		ERR		ERR		ERR	
21 Pr		4.78		ERR		ERR		ERR	
22 Tr		1.65		1.65		1.65		1.65	
23 Z		0.844		ERR		ERR		ERR	
								FORM C122-D	