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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

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Form C-122
Revised October, 1999

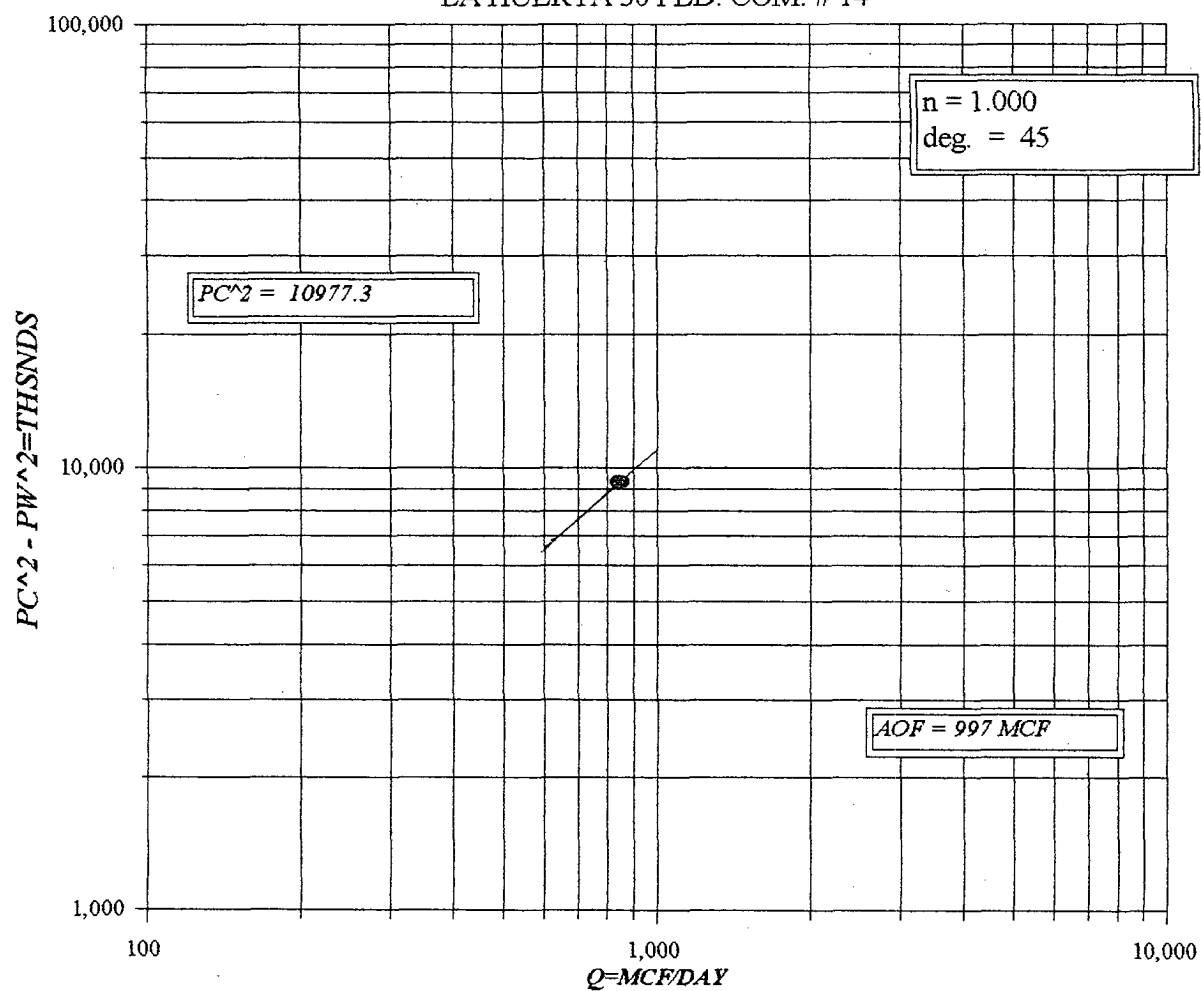
30-015-33183

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBORNE OIL COMPANY				Lease or Unit Name LA HUERTA 30 FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date	Well No. 14-17
Completion Date 6/3/04		Total Depth 13447		Plug Back TD 13371		Elevation 3142 GL	Unit Ltr - Sec - TWP - Rge P 19 21 27
Csg. Size 5 1/2	Wt. 20	d 2.441	Set At 13447	Perforations: From: 12858 To: 13029		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 12761	Perforations: From: To:		Pool BURTON FLAT	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12722		Formation MORROW	
Producing Thru TBG		Reservoir Temp. °F 181.4 @ 12761		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
Connection SALES							
L 12761	H 12761	Gg 0.701	%CO ₂ 0	%N ₂ 0.91	%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. °F	Press p.s.i.g.	Temp. °F
SI						3300	PKR
1	3 X	1.250	603	23.46	81	1280	PKR
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}
1							
2							
3	METERED			BY	TOTAL		FLOW
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.		
2					Specific Gravity Separator Gas 0.701 XXXXXXXX		
3		N/A			Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 668 P.S.I.A. P.S.I.A.		
5					Critical Temperature 392 R R		
P _c 3313.2 P _{c2} 10977.3							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.181$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.181$		
1		1296.7	1681.4	9295.9			
2							
3							
4							
5							
Absolute Open Flow 997 Mcfd @ 15.025				Angle of Slope (°): 45		Slope n: 1	
Remarks: 0 BOP/D 1 BW/D							
Approved By Division:		Conducted By: MEWBORNE OIL CO.		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL COMPANY

LA HUERTA 30 FED. COM. # 14



COMPANY : MEWBOURNE OIL CO. LEASE : L. H. 30 FED COM WELL NO. : 14										Pc = 3313.2 Pc2 = 10977.3	
UNIT : P		SECTION : 19		TOWNSHIP : 27							
L : 12761		H : 12761		L/H : 1		G/GMIX : 0.701				Pt2 = 1672.4 Pw = 1296.7	
%CO2 : 0		%N2 : 0.91		H2S :		DATE :				ERR	
d : 2.441		Fr : 0.010763		GH : 8945.5		RANGE : 27				ERR	
										ERR	
VOL 1 : 844 PSIA 1 : 1293.2 RESV.TEMP 181.4										Pc2-Pw2= 9295.9 Pw2 = 1681.4	
VOL 2 : PSIA 2 :										ERR ERR	
VOL 3 : PSIA 3 : SHUT-IN PR= 3313.2										ERR ERR	
VOL 4 : PSIA 4 :										ERR ERR	
PCR : 668										n = 1.000	
TCR : 392											
										Pc2/(Pc2-Pw2) = 1.181	
LINE RATE 1 RATE 2 RATE 3 RATE 4										ERR	
1ST 2ND 1ST 2ND 1ST 2ND 1ST 2ND										ERR	
1 QM 0.844 0.844 0.000 0.000 0.000 0.000 0.000 0.000										ERR	
2 TW 534 534 534 534 534 534 534 534										[Pc2/Pc2-Pw2]n = 1.181	
3 Ts 641.4 641.4 641.4 641.4 641.4 641.4 641.4 641.4										ERR	
4 T 587.7 587.7 587.7 587.7 587.7 587.7 587.7 587.7										ERR	
PR (est) 1.94 0.00 0.00 0.00										ERR	
5 Z(est) 0.804 0.780 ERR ERR ERR ERR ERR ERR											
6 TZ 472.8 458.3 ERR ERR ERR ERR ERR ERR										AOF= Q 0.997	
7 GH/TZ 18.922 19.520 ERR ERR ERR ERR ERR ERR										ERR	
8 eS 2.033 2.079 ERR ERR ERR ERR ERR ERR										ERR	
9 l-e-S 0.508 0.519 ERR ERR ERR ERR ERR ERR										ERR	
10 Pt 1293.2 1293.2 0.0 0.0 0.0 0.0 0.0 0.0											
11 Pt2 /1000 1672.4 1672.4 0.0 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 0.010763											
13 Fc=FrTZ 5.088 4.932 ERR ERR ERR ERR ERR ERR											
14 FcQm 4.29 4.16 ERR ERR ERR ERR ERR ERR											
15 L/H(FcQm) 18.4 17.3 ERR ERR ERR ERR ERR ERR											
16 Fw 9.372031 8.995141 ERR ERR ERR ERR ERR ERR											
17 Pw2 1681.7 1681.4 ERR ERR ERR ERR ERR ERR											
18 Ps2 3419.1 3496.0 ERR ERR ERR ERR ERR ERR											
19 Ps 1849.1 1869.8 ERR ERR ERR ERR ERR ERR											
20 P 1571.1 1581.5 ERR ERR ERR ERR ERR ERR											
21 Pr 2.35 2.37 ERR ERR ERR ERR ERR ERR											
22 Tr 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50											
23 Z 0.780 0.779 ERR ERR ERR ERR ERR ERR										FORM C122-D	