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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

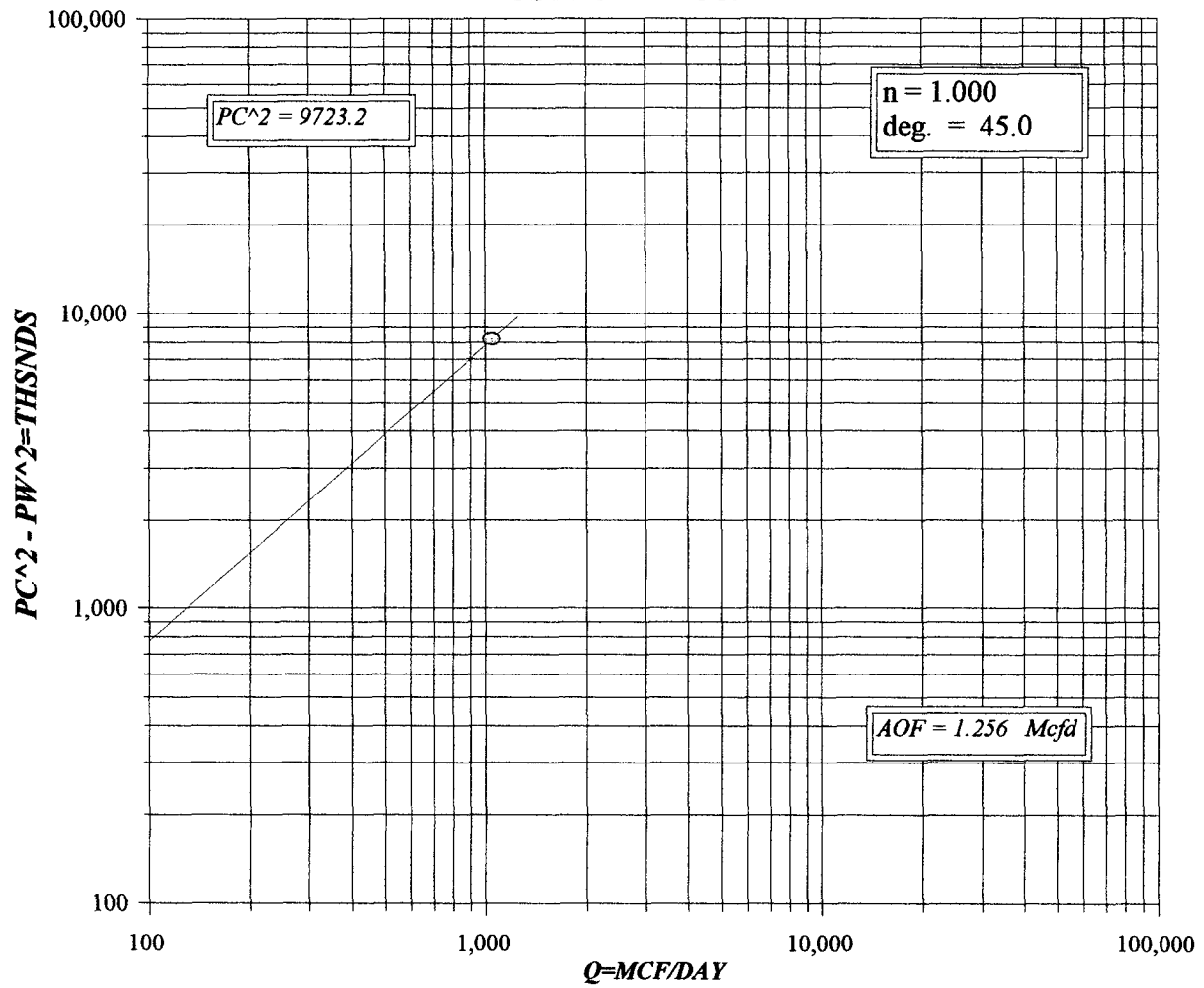
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AUG 18 2005
OIL CONSERVATION DIVISION

30-025-36901

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL					Lease or Unit Name OSUDO 7 ST. COM				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4/28/2005		Well No. 1		
Completion Date 4/22/2005		Total Depth 12405		Plug Back TD 12303		Elevation 3653GL		Unit Ltr - Sec - TWP - Rge J 7 21S 35E	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12402	Perforations: From: 11946 To: 12018			County LEA		
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11863	Perforations: From: To:			Pool OSUDO		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11828			Formation MORROW		
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2		Connection SALES	
L 11863	H 11863	Gg 0.603	%CO ₂ 0.427	%N ₂ 0.33	%H ₂ S 0	Prover N/A	Meter Run 3.067	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.	Press p.s.i.g.	Temp.
SI						3105			
1	3.067 X 1.750		552	143	64	1225			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									1056
2									
3	TOTAL		FLOW	METER					
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 0.603 XXXXXXXX				
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid N/A XXXXXX				
4					Critical Pressure 674 P.S.I.A. N/A P.S.I.A.				
5					Critical Temperature 354 R. N/A R.				
P _c 3118.2 P _{c2} 9723.2					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.189$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.189$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.256$				
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²					
1		1243.6	1546.6	8176.6					
2									
3									
Absolute Open Flow 1.256 Mcfd @ 15.025 Angle of Slope (°): 45 Slope, n: 1									
Remarks: WELL MADE 15 BBLs OF 55.1 API GRAVITY CONDENSATE DURING TEST.									
Approved By Division:			Conducted By: MEWBOURNE OIL		Calculated By: MERV BUECKER		Checked By: MB		

MEWBOURNE OIL
OSUDO 7 ST. COM #1



COMPANY : MEWBOURNE OIL				LEASE : OSUDO 7 ST.		WELL NO. : 1		Pc = 3118.2		Pc2 = 9723.2	
UNIT : j		SECTION : 7		TOWNSHIP : 21s							
L :	11863	H :	11863	L/H :	1	G/GMIX :	0.603	P12 = 1533.1		Pw = 1243.6	
%CO2 :	0.427	%N2 :	0.33	H2S :		DATE :	4/28/05	0.0		#DIV/0!	
d :	2.441	Fr :	0.010763	GH :	7153.4	RANGE :	35e	0.0		#DIV/0!	
								0.0		#DIV/0!	
VOL 1 :		PSIA 1 :		RESV.TEMP		181.0		Pc2-Pw2= 8176.6		Pw2 = 1546.6	
VOL 2 :		PSIA 2 :		SHUT-IN PR =		3118.2		#DIV/0!		#DIV/0!	
VOL 3 :		PSIA 3 :						#DIV/0!		#DIV/0!	
VOL 4 :		PSIA 4 :						#DIV/0!		#DIV/0!	
				PCR :		674				n = 1.000	
				TCR :		354					
								Pc2/(Pc2-Pw2) =		1.189	
										#DIV/0!	
										#DIV/0!	
										#DIV/0!	
LINE	RATE 1		RATE 2		RATE 3		RATE 4				
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND			
1 QM	1.056	1.056	0.000	0.000	0.000	0.000	0.000	0.000			
2 TW	534	534	534	534	534	534	534	534			
3 Ts	641.0	641.0	641.0	641.0	641.0	641.0	641.0	641.0	[Pc2/Pc2-Pw2]n =		1.189
4 T	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5	#DIV/0!		#DIV/0!
PR (est)	1.84		0.00		0.00		0.00		#DIV/0!		#DIV/0!
5 Z(est)	0.865	0.854	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
6 TZ	508.3	501.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
7 GH/TZ	14.073	14.265	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
8 eS	1.695	1.707	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
9 l-e-S	0.410	0.414	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
10 Pt	1238.2	1238.2	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!		#DIV/0!
11 P12 /1000	1533.1	1533.1	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	0.0107631		
13 Fc=FrTZ	5.471	5.397	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
14 FcQm	5.78	5.70	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
15 L/H(FcQm)%	33.4	32.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
16 Fw	13.68714	13.45813	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
17 Pw2	1546.8	1546.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
18 Ps2	2622.0	2640.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
19 Ps	1619.3	1625.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
20 P	1428.7	1431.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
21 Pr	2.12	2.12	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
22 Tr	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66			
23 Z	0.854	0.853	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
										FORM C122-D	