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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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 30-015-32888

Operator MEWBOURNE OIL				Lease or Unit Name OTIS "1"					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date		Well No. 2	
Completion Date 11/21/03		Total Depth 12200		Plug Back TD 12133		Elevation 3089		Unit Ltr - Sec - TWP - Rge K 1 22S 27E	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12198	Perforations: From: 11582 To: 11771				County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11507	Perforations: From: To:				Pool EAST CARLSBAD	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11497				Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 168		Mean Annual Temp. 60		Baro. Press.-P _a 13.2		Connection SALES	
L 11507	H 11507	Gg 0.6843	%CO ₂ 9.892	%N ₂ 4.096	%H ₂ S	Prover	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						1180			
1		3.067 X 1.000	100	25	74	100			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								320	
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 0.684 XXXXXXXX				
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX				
4					Critical Pressure 701 P.S.I.A. P.S.I.A.				
5					Critical Temperature 385 R. R.				
P _c 1193.2 P _{c2} 1423.7									
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.01}{\quad}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.01}{\quad}$				
1		119.9	14.4	1409.3					
2									
3									
4									
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{0.323}{\quad}$				
Absolute Open Flow 0.323 Mcfd @ 15.025					Angle of Slope (°): 45		Slope n: 1		
Remarks:									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM		

MEWBOURNE OIL CO.
OTIS "1" # 2



