

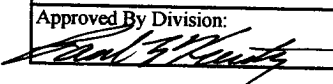
Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

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

30-025-36345

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name SF 17 FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/28/03	Well No. 1
Completion Date 10/1/03		Total Depth 12900		Plug Back TD 12713		Elevation 3795	Unit Ltr - Sec - TWP - Rge 17 18S 32E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12830	Perforations: From: 12342 To: 12599			County LEA
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11887	Perforations: From: To:			Pool LUSK MORROW, NORTH
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11876		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 168	Mean Annual Temp. 60	Baro. Press.-P _a 13.2		Connection SALES	
L 11876	H 11876	Gg 0.689	%CO ₂ 1.06	%N ₂ 1.047	%H ₂ S	Prover	Meter Run 3.068
FLOW DATA						Taps FLG	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
1	3.068 X		660	13.3		3500	
2						745	
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	TOTAL		FLOW	METER			
4							
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio 69.091 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 54.6 Deg.		
2					Specific Gravity Separator Gas 0.689 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX GMIX = .673		
4					Critical Pressure 672 P.S.I.A. 672 P.S.I.A.		
5					Critical Temperature 381 R 378 R		
P _c P ₂							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $P_c^2 = \frac{P_c^2 - P_w^2}{\text{AOF} = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.048}$		
1	555	750.1	562.7	11779.9	(2) $P_c^2 = \frac{P_c^2 - P_w^2}{0.796} = 1.048$		
2							
3							
4							
5							
Absolute Open Flow 0.796 Mcfd @ 15.025					Angle of Slope (°) 45		Slope n: 1
Remarks: WELL MADE 29 BBLs OF 54.6 API GRAVITY OIL DURING TEST.							
Approved By Division: 		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL
SF "17" FED COM #1

