

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

RECEIVED

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ODD-ANTEBIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name FALCON KEYS 33 ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2/12/2005	Well No. 1
Completion Date		Total Depth 11784		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge C 33 16S 28E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 9712	Perforations: From: 9130 To: 9147		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 8609	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 8572		Formation ATOKA	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 8609	H 8609	Gg 0.655	%CO ₂ 0.614	%N ₂ 1.069	%H ₂ S 0	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	3.0 X 1.500		338	128	100	2100	
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	14.18						899
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 Deg.		
2					Specific Gravity Separator Gas 0.742 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 673 P.S.I.A. N/A P.S.I.A.		
5					Critical Temperature 371 R. N/A R		
P _c 2713.2 P _{c2} 7361.5							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.55$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.55$		
1		2115.4	4474.8	2886.7			
2							
3							
4							
5							
Absolute Open Flow				2.293	Mcf @ 15.025	Angle of Slope O:	45
Slope, n:				1			
Remarks:							
Approved By Division:		Conducted By: MEWBOURNE OIL		Calculated By: MERV BUECKER		Checked By: MB	

MEWBOURNE OIL
FALCON KEYS 33 ST COM #1



