

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 Pacific
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL CO.					Case or Unit Name OUTLAW FLATS "2" ST. COM.				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/10/99		Well No. 1		
Completion Date		Total Depth 10657		Plug Back TD 10070		Elevation		Unit Ltr - Sec - TWP - Rge 2 24 24	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10675	Perforations: From: 10421 To: 10514		County EDDY			
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 9952	Perforations: From: To:		Pool Baldridge Canyon Morrow			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9952		Formation Morrow			
Producing Thru Tubing		Reservoir Temp. °F 173.5		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		Connection SALES	
L 9952	H 9952	Gg 0.595	%CO ₂ 2.067	%N ₂ 0.572	%H ₂ S N/A	Prover N/A	Meter Run 3.026	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	Press p.s.i.g.	Temp. °F
SI						600	N/A	PKR	N/A
1	3.068 X 1.000		95	28	62	80			
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								327	
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		0.595		XXXXXXX
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid		XXXXXX		
4					Critical Pressure		679		P.S.I.A.
5					Critical Temperature		350		R.
P _c 613.2 P _{c2} 376									
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.027$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.027$				
1	8.7	99.8	10	366					
2									
3									
4									
5									
Absolute Open Flow 336					Mcf @ 15.025		Angle of Slope (°): 45		Slope n: 1
Remarks: * NO LIQUID MADE DURING TEST.									
Approved By Division:			Conducted By: Mewbourne Oil Co.		Calculated By: MERV BUECKER		Checked By: BM		