

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

dsf

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name BURTON FLAT 5 FED			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/29/01		Well No. 4	
Completion Date 5/13/01		Total Depth 11290		Plug Back TD 11210		Elevation 3289	
Unit Ltr - Sec - TWP - Rge P 5-20S-28E		County EDDY		Pool ANGELL RANCH		Formation MORROW	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 11290	
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 10187	
Perforations: From: 10676 To: 10722		Perforations: From: 10876 To: 10907		Packer Set At 10175		Connection SALES	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Baro. Press.-P _a 13.2		Prover N/A	
Producing Thru TUBBING		Reservoir Temp.-°F 175.9		Mean Annual Temp.-°F 60		Meter Run 3.067	
L 10187		H 10187		Gg 0.6378		Taps FLG	
%CO ₂ 1.803		%N ₂ 1.09		%H ₂ S N/A		Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	3.067 X 1.125		80	9	68	90	
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							433
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	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.6378 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 676 P.S.I.A. P.S.I.A.		
5					Critical Temperature 365 R. R.		
P _c 988.2 P _{c2} 976.5							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $P_c^2 = \frac{1.014}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.014$		
1	10.7	114.3	13.1	963.5			
2							
3							
4							
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0.439$		
Absolute Open Flow 0.439 Mcfd @ 15.025				Angle of Slope (°): 45		Slope n: 1	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	