

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 1999
RECEIVED
SEP 16 2004
ODD-ARTESIA

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 8/1/04		Well No. 5						
Completion Date 7/24/04			Total Depth 11289			Plug Back TD 11207			Elevation 3339 GL		Unit Ltr - Sec - TWP - Rge C 5 20S 28E				
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 11290		Perforations: From: 11028 To: 11034		County EDDY					
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 11034		Perforations: From: To:		Pool ANGLE RANCH MORROW					
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE							Packer Set At 10957			Formation MORROW					
Producing Thru TUBING			Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2			Connection SALES					
L 11032		H 11032		Gg 0.641		%CO ₂ 2.017		%N ₂ 1.236		%H ₂ S					
								Prover		Meter Run 3.067					
										Taps FLG					
FLOW DATA						TUBING DATA				CASING DATA					
No.	Prover Line Size	x	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.	Press p.s.i.g.	Temp.	Duration of Flow				
SI							2973.2								
1	3.067 X 1.000			500	9.6	69	2750				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									484						
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 0.59 XXXXXXXX										
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX										
4					Critical Pressure 675 P.S.I.A. P.S.I.A.										
5					Critical Temperature 350 R. R.										
P _c 2973.2 P _{c2} 8839.9															
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.357$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.357$										
1		2763.8	7638.4	1201.5	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.561$										
2															
3															
4															
5															
Absolute Open Flow 3.561					Mcf @ 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			

MEWBOURNE OIL CO.

BURTON FLAT "5" FED #5



