

30-115-32674

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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

JUN 04 2004

Form C-122
Revised October, 1999

GIB-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL CO.				Lease or Unit Name ALACRAN HILLS 11 FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date		Well No. 1	
Completion Date 4/17/04		Total Depth 11770		Plug Back TD 11695		Elevation	
Unit Ltr - Sec - TWP - Rge E 11 21S 27E							
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 11770	Perforations: From: 11586 To: 11594		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11254	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11246		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 11254	H 11254	Gg 0.595	%CO ₂ 1.018	%N ₂ 0.251	%H ₂ S	Prover	Meter Run 3.067
						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	3.0678 X 1.250		473	10	75	1800	
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							662
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 0.595 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 2403.2 P _{c2} 5775.4							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{2.327}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.327$		
1		1814.8	3293.4	2482			
2							
3							
4							
5							
Absolute Open Flow 1.54				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.
ALACRAN HILLS "11" FEE COM #1



