

30-015-32919

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 10/1/99

JAN 21 2004

OCD-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL					Lease or Unit Name TAMINO "15" #1				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date		Well No. 1		
Completion Date 10/18/03		Total Depth 12150		Plug Back TD 12091		Elevation 3760		Unit Ltr - Sec - TWP - Rge D 15 18S 31S	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12150		Perforations: From: 11781 To: 11795		County EDDY		
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11621		Perforations: From: To:		Pool WILDCAT MORROW		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 11602		Formation MORROW		
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2		Connection SALES	
L 11621	H 11621	Gg 0.667	%CO ₂ 0.459	%N ₂ 0.881	%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.	Press p.s.i.g.	Temp.
SI						3400			
1	3.067 X 1.000		680	54.3	73	1850			20 HRS
2	3.067 X 1.000		683	86.5	74	1750			20 HRS
3	3.067 X 1.000		672	97.7	72	1550			20 HRS
4	3.067 X 1.000		690	98.2	72	1450			24 HRS
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								1218	
2	TOTAL		FLOW	METER				1540	
3								1624	
4								1650	
5									
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio 4.742 Mcf bbl.				
1					A.P. I. Gravity of Liquid Hydrocarbons 50.8 Deg.				
2					Specific Gravity Separator Gas 0.667 XXXXXXXX				
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX GMIX=1.231				
4					Critical Pressure 672 P.S.I.A. 653 P.S.I.A.				
5					Critical Temperature 378 R 533 R				
P _c 3413.2 P _w 11649.9									
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.226$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.226$				
1		18672.9	3489.2	8160.7					
2		1771.2	3137.2	8512.7					
3		1573.4	2475.5	9174.4					
4		1464.6	2145.1	9504.8					
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.022$				
Absolute Open Flow 2.022					Mcf/d @ 15.025		Angle of Slope (°) 45		Slope n: 1
Remarks: *WELL MADE 53 BBLS OF CONDENSATE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM		

MEWBOURNE OIL

TAMONO "15" #1



