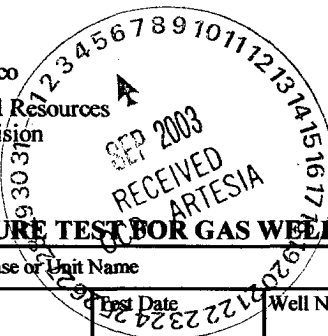


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

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

30-015-32608



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL CO.				Lease or Unit Name OTIS "1"			
Type Test ☒ Initial ☐ Annual ☐ Special				Well No. 1			
Completion Date		Total Depth 12500		Plug Back TD 12184		Elevation	
Unit Ltr - Sec - TWP - Rge 1 22S 27E							
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12307	Perforations: From: 11800 To: 11810		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 10850	Perforations: From: To:		Pool E Carlsbad Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10838		Formation MIDDLE MORROW	
Producing Thru Tubing		Reservoir Temp. °F 181		Mean Annual Temp. °F 60		Baro. Press. P _a 13.2	
Connection SALES							
L 10838	H 10838	Gg 0.578	%CO ₂ 1.054	%N ₂ 0.289	%H ₂ S N/A	Prover N/A	Meter Run 3.068
Taps FLG							
FLOW DATA				TUBING DATA		CASING DATA	
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	3.068 X 1.625	310	12	70	2675	N/A	PKR
2	3.068 X 1.625	360	20	70	2510		
3	3.068 X 1.625	450	30	70	2275		
4	3.068 X 1.625	420	46	70	2195		
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	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	13.24	62.3	323.2	0.9905	1.315	1.039	1116
2	13.24	86.4	373.2	0.9905	1.315	1.039	1548
3	13.24	117.9	463.2	0.9905	1.315	1.039	2112
4	13.24	141.2	433.2	0.9905	1.315	1.039	2529
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1	0.78	530	1.53	0.927	A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	0.78	530	1.53	0.927	Specific Gravity Separator Gas 0.578 XXXXXXXX		
3	0.78	530	1.53	0.927	Specific Gravity Flowing Fluid N/A XXXXXX		
4	0.78	530	1.53	0.927	Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 346 R. R.		
P _c 2168.2 P _{c2} 4701							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{2.153}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.153$		
1		2691.3	7243.2	2017.8			
2		2529.5	6398.4	2862.6			
3		2301	5294.7	3966.3			
4		2227.2	4960.3	4300.7			
5							
Absolute Open Flow 5.446					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: MB	

MEWBOURNE OIL CO.
OTIS "1" #1

