

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

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MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY U.S.A.				Lease or Unit Name BATTLESTAR STATE			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/14/00	Well No. 1
Completion Date		Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge 36 20S 27E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At	Perforations: From: 10960 To: 11092			County EDDY
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 10916	Perforations: From: To:			Pool
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10916		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. °F 181.4	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2			Connection SALES
L 10931	H 10931	Gg 0.622	%CO ₂ 0.785	%N ₂ 0.318	%H ₂ S N/A	Prover N/A	Meter Run 4.027
						Taps FLG	
FLOW DATA				TUBING DATA			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	4.027	X 1.500	412	0.4	43	982	
2	4.027	X 1.500	415	1.3	45	960	
3	4.027	X 1.500	418	2.4	53	910	
4	4.027	X 1.500	422	5	53	809	
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}
1							
2	GAS VOLUMES		FROM	TOTAL		FOLW	METER
3							
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.622		
3					Specific Gravity Flowing Fluid N/A		
4					Critical Pressure 674		
5					Critical Temperature 361		
P _c	1102.4	P ₂	1215.3				
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.55$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.55$		
1		1002.6	1005.2	212.7			
2		978.8	958	257.3			
3		942.7	888.6	326.7			
4		859.8	739.2	476.1			
5							
Absolute Open Flow 1739				Mcf/d @ 15.025	Angle of Slope (°): 45	Slope n: 1	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES./ NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

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BATTLESTAR STATE # 1

