

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DEVON ENERGY				Lease or Unit Name BELL LAKE			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/20/01		Well No. 22	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size		WL		Set At		Perforations:	
Tbg. Size		WL		Set At		Perforations:	
2 3/8		4.7		1.995		12712	
Type Well-Single-Branchhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12712		Formation	
Producing This Tubing		Reservoir Temp. °F 167.5		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 12727		H 12727		Gg 0.601		SALES	
%		%		%		%	
12727		12727		0.601		0.426	
%		%		%		%	
0.508		N/A		Prover		N/A	
Motor Run		3.068		Taps		FLG	
FLOW DATA				TUBING DATA			
Casing Data				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _m	Temp. °F	Press. p.s.i.g.	Temp. °F
SI							
1	3.068 X 1.250		764	3.4	63	3124	N/A
2	3.068 X 1.250		762	7	61	2865	
3	3.068 X 1.250		784	14.7	60	2457	
4	3.068 X 1.250		830	32.5	62	1982	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							541
2							775
3	TOTAL		FLOW	METER			1158
4							1487
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1					N/A		
2					A.P.I. Gravity of Liquid Hydrocarbon		
3	TOTAL	FLOW	METER		0.601		
4					Specific Gravity Separator Gas		
5					XXXXXX		
					Critical Pressure		
					674 P.S.I.A.		
					Critical Temperature		
					354 R		
P _o	3704.2	P ₂	13721				
No.	P _i ²	P _w	P _e ²	P _e ² - P _w ²	(1) $\frac{P_o^2}{P_e^2 - P_w^2} = 1.46$		
1		3188.1	10163.9	3357.1	(2) $\left[\frac{P_o^2}{P_e^2 - P_w^2} \right]^n = 1.46$		
2		2930.4	8587.2	5133.8			
3		2549.3	6498.9	7222.1			
4		2079.8	4325.6	9395.4			
5							
Absolute Open Flow				2171	Mcfd @ 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:		Calculated By:		Checked By:	
PAUL F. KAUZ		PRO WELL TESTING		MERV BUECKER		BM	

JAN 29 2002

