

30-025-36359

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

CONFIDENTIAL**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator DEVON ENERGY				Lease or Unit Name RIO BLANCO "33"			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/28/04		Well No. 1	
Completion Date		Total Depth 14682		Plug Back TD 14682		Elevation	
Csg. Size 7 5/8	Wt. 39	d 6.625	Set At 14497	Perforations: From: 14497 OPEN To: HOLE 14682		Unit Ltr - Sec - TWP - Rge 33 22S 34E	
Tbg. Size 2 7/8	Wt. 7.9	d 2.323	Set At 14464	Perforations: From: To:		County LEA	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 14464		Formation DEVONIAN	
Producing Thru TUBING		Reservoir Temp. 215		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
L 14470		H 14470		Gg 0.619		SALES	
FLOW DATA		TUBING DATA		CASING DATA		Taps FLG	
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h.	Temp.	Press p.s.i.g.	Temp.
SI							
1	4.026 X 2.375		350	13.6	90	4484	
2	4.026 X 2.375		387	50.2	94	4254	45 MINS
3	4.026 X 2.375		426	113.1	81	3754	1 HRS
4	4.026 X 2.375		467	149.2	72	3461	1 HRS
5							1 HRS
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor	Super. Compress Factor F _{sp}	Rate of Flow Q, Mcfd
1							
2	TOTAL	FLOW	METER				2601
3							5117
4							8619
5							10513
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 0.619 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 675 P.S.I.A. XXXXXX		
5					Critical Temperature 352 R. XXXXXX		
P _c	4630.7	P _c	21443.4				
No.	P _i ²	P _w	P _w ²	P _o ² - P _w ²	(1) $P_o^2 = \frac{P_i^2 - P_w^2}{P_o^2 - P_w^2} = 3.21$		
1		4339.3	18829.5	2613.9	(2) $\left[\frac{P_i^2}{P_o^2 - P_w^2} \right]^n = 3.21$		
2		4137.4	17118	4325.4			
3		3868.8	14967.6	6475.8			
4		3842.3	14763.3	6680.1			
5					AOF = Q $\left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^n = 33,746.70$		
Absolute Open Flow		33,746.70		Mcfd @ 15.025		Angle of Slope (°): 45	
Slope n:		1					
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES.							
Approved By Division: <i>[Signature]</i>		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

CONFIDENTIAL

DEVON ENERGY
RIO BLANCO "33" #1