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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 RIVERSIDE "31" FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/21/01	Well No. 1
Completion Date		Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge 31 16S 27E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At	Perforations: From: 8355 To: 8408		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 8205	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 8205		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. °F 139.6	Mean Annual Temp. °F 60	Baro. Press. -P ₁ 13.2		Connection SALES	
L 8282	H 8282	Gg 0.669	%CO ₂ 0.304	%N ₂ 0.638	%H ₂ S N/A	Prover N/A	Meter Run 4.026
							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	4.026 X .500		538	3.4	105	1963	
2	4.026 X .500		522	16.4	105	1769	
3	4.026 X .500		503	27.6	106	1551	
4	4.026 X .500		495	53.6	95	1227	
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							146
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	325
3							420
4							572
5							
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	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.669 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 673 P.S.I.A. P.S.I.A.		
5					Critical Temperature 374 R. R.		
P _c 2168.4 P _{c2} 4701.9							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.52$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.42$		
1		2021.1	4085.2	616.7			
2		1817.5	3303.3	1398.6			
3		1602.5	2568	2133.9			
4		1273.4	1621.5	3080.4			
5							
Absolute Open Flow 812.2 Mcfd @ 15.025				Angle of Slope (°): 49.9		Slope n: 0.841	
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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