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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 RICKS EXPLORATION				Lease or Unit Name RIO OCHO "26" STATE			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/29/01	Well No. 1
Completion Date 12/1/00		Total Depth 10858		Plug Back TD 10512		Elevation	Unit Ltr - Sec - TWP - Rge M 26-17-28
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10837	Perforations: From: 10479 To: 10570		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10380	Perforations: From: To:		Pool EMPIRE SOUTH (INDROW)	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10380		Formation MCKROW SANDS	
Producing Thru TUBING		Reservoir Temp. °F 177.8		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 10380		H 10380		Gg 0.684	%CO ₂ 0.962	%N ₂ 0.687	%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 x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						1900	N/A
1		3.068 X 2.000	34.8	4.4	56	1850	
2		3.068 X 2.000	36	9.6	68	1800	
3		3.068 X 2.000	43.5	17.6	82	1710	
4		3.068 X 2.000	43.5	36	92	1550	
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	21.32		12.4	34.8	1.004	1.209	1.061
2	21.32		18.6	36	0.9924	1.209	1.059
3	21.32		27.6	43.5	0.9795	1.209	1.054
4	21.32		39.6	43.5	0.9706	1.209	1.052
5							
No.	P _c	Temp. °R	T _c	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf/bbl.		
1	0.76	516	1.34	0.888	A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	0.78	528	1.37	0.892	Specific Gravity Separator Gas 0.684 XXXXXX		
3	0.8	542	1.41	0.901	Specific Gravity Flowing Fluid N/A XXXXXX		
4	0.82	552	1.43	0.903	Critical Pressure 672 P.S.I.A. P.S.I.A.		
5					Critical Temperature 384 R. R		
P _c 1913.2		P _{c2} 3660.3					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3.093}{\quad}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.984}{\quad}$		
1	3471.5	1864.1	3475	185.3			
2	3287.7	1815.3	3295.3	365			
3	2969.4	1727.9	2985.7	674.6			
4	2443.6	1573.8	2476.8	1183.5	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.067}{\quad}$		
5							
Absolute Open Flow				2.067	Mcf/d @ 15.025	Angle of Slope (°)	58.75
						Slope n:	0.6067
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	