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appropriate District Office
See Rule 401 & Rule 112

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

dsf

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DEVON XXXXXXXXXX ENERGY				Lease or Unit Name RIFLEMAN "5" ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/25/01	Well No. 1
Completion Date 3/22/2001		Total Depth 11,500'		Plug Back TD 11,452'		Elevation GL 3559'	Unit Ltr - Sec - TWP - Rge 5 22S 26E
Csg. Size 4 1/2"	Wt. d	Set At 11,496'	Perforations: From: 11259 To: 11266'		County EDDY		
Tbg. Size 2 3/8	Wt. d	Set At 10988	Perforations: From: To:		Pool Happy Valley		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10988		Formation Morrow	
Producing Thru Tubing		Reservoir Temp. °F 183.9	Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection SALES
L 10988	H 10988	Gg 0.599	%CO ₂ 0.907	%N ₂ 0.401	%H ₂ S N/A	Prover N/A	Meter Run 4.027
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
1	4.027 X .625	492	11.8	92	1970	N/A	PKR
2	4.027 X .625	495	22.5	92	1628		
3	4.027 X .625	498	27.5	87	1219		
4	4.027 X .625	500	27.3	84	742		
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							183
2							254
3	TOTAL	FLOW	METER				285
4							307
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					Specific Gravity Separator Gas 0.599 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 350 R. R.		
P _c 2388.2		P _{c2} 5703.5					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 1.112$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.054$		
1	3933.1	1983.5	3934.1	1769.4			
2	2693.5	1641.8	2695.6	3007.9			
3	1518.3	1233.3	1521	4182.5			
4	570.3	757.4	573.6	5129.9			
5							
Absolute Open Flow 324				Mcf/d @ 15.025	Angle of Slope (°): 63.5	Slope n: 0.498	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

DEVON SFS OPERATING
RIFLEMAN "5" ST. COM #1

