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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 BONNEVILLE FUELS CORP.				Lease or Unit Name AVALON "1" FED			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/9/01		Well No. 4	
Completion Date 2/28/01		Total Depth 11575		Plug Back TD 11330		Elevation 3209KB	
Unit Ltr - Sec - TWP - Rge 1 38 21S 26E							
Csg. Size 4 1/2	Wt. 11.6	d 4	Set At 11575	Perforations: From: 11273 To: 11317		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11218	Perforations: From: To:		Pool BURTON FLAT	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11218		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. °F 183		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
						Connection SALES	
L 11218	H 11218	Gg 0.596	%CO ₂ 0.976	%N ₂ 0.308	%H ₂ S N/A	Prover N/A	Meter Run 4.03
						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							
1	4.030 X 1.250		448	2.4	68	1601	N/A
2	4.030 X 1.250		444	15.4	66	1492	N/A
3	4.030 X 1.250		448	38.8	64	1322	N/A
4	4.030 X 1.250		454	83.6	65	1075	N/A
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							324
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	679
3							1301
4							1782
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 0.596 XXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 669 P.S.I.A. P.S.I.A.		
5					Critical Temperature 350 R. R.		
P _c 1667.2		P _{c2} 2779.6					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.868}{1.665}$		
1	2605.6	1615.3	2609.1	170.5			
2	2265.6	1510.2	2280.7	498.8			
3	1782.8	1356	1838.9	940.7			
4							
5							
Absolute Open Flow 2.949				Mcf/d @ 15.025	Angle of Slope (°) 51.12	Slope n: 0.8062	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	