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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 Veranda 16			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/22/01	Well No. 1
Completion Date 4/24/01		Total Depth 8597		Plug Back TD 8508		Elevation 3389	Unit Ltr - Sec - TWP - Rge 0 16-17S-26E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 8597	Perforations: From: 8366 To: 8393			County EDDY
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 8237	Perforations: From: To:			Pool <i>Kennedy Farms Morrow</i>
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 8237		Formation <i>Morrow</i>	
Producing Thru TUBING		Reservoir Temp. °F 182.1	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection SALES	
L 8245	H 8245	Gg 0.648	%CO ₂ 2.053	%N ₂ 0.844	%H ₂ S N/A	Prover N/A	Master Run 4.026
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	4.026 X 1.125		260	9	67	1860	1 HR.
2	4.026 X 1.125		260	28	68	1775	1 HR.
3	4.026 X 1.125		300	38	68	1690	1 HR.
4	4.026 X 1.125		300	70	67	1440	1 HR.
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	6.031	49.58	273.2	0.9933	1.242	1.049	386
2	6.031	87.46	273.2	0.9924	1.242	1.047	680
3	6.031	109	313.2	0.9924	1.242	1.047	848
4	6.031	148	313.2	0.9933	1.242	1.049	1155
5							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	N/A	Mcf bbl.
1	0.77	527	1.43	0.909	A.P. I. Gravity of Liquid Hydrocarbons	N/A	Deg.
2	0.77	528	1.44	0.912	Specific Gravity Separator Gas	0.648	XXXXXXX
3	0.77	528	1.44	0.912	Specific Gravity Flowing Fluid	N/A	N/A
4	0.77	527	1.43	0.909	Critical Pressure	677	P.S.I.A.
5					Critical Temperature	366	R.

P _c 1973.2		P _{c2} 3893.5	
No.	P _t ²	P _w	P _w ²
1	3508.9	1873.5	3510.2
2	3197.7	1789.3	3201.6
3	2900.9	1705	2907.1
4	2111.8	1457.2	2123.5
5			

(1) $P_c^2 = 2.2$

$\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^r = 2.015$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.74$

Absolute Open Flow	2.015	Mcf/d @ 15.025	Angle of Slope (°)	54.7	Slope n:	0.706
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Remarks: * NO LIQUID MADE DURING TEST.

Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: BM
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