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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

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OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DEVON ENERGY				Lease or Unit Name CARLSBAD "22" H FEE COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/25/02	Well No. 2
Completion Date		Total Depth 11200		Plug Back TD 11138		Elevation	Unit Ltr - Sec - TWP - Rge 22 21S 26E
Csg. Size 5 1/2	Wt. 15	d 4.974	Set At 11200	Perforations: From: 11063 To: 11082		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10984	Perforations: From: To:		Pool Hualon Manrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10976		Formation	
Producing Thru Tubing		Reservoir Temp. °F 183.8	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection SALES	
L 10984	H 10984	Gg 0.601	%CO ₂ 1.383	%N ₂ 0.636	%H ₂ S N/A	Prover N/A	Meter Run 2.067
						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	2.067 X 1.000		270	0.64	76	2075	N/A
2	2.067 X 1.000		380	3.06	74	1936	N/A
3	2.067 X 1.000		420	4	75	1139	N/A
4	2.067 X 1.000		420	6.2	75	774	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	4.946	13.5	283.2	0.985	1.29	1.04	88
2	4.946	34.7	393.2	0.9868	1.29	1.04	227
3	4.946	41.6	433.2	0.9359	1.29	1.04	258
4	4.946	51.8	433.2	0.9359	1.29	1.04	322
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1	0.79	536	1.51	0.924	A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	0.79	534	1.51	0.924	Specific Gravity Separator Gas 0.601 XXXXXXXX		
3	0.79	535	1.51	0.924	Specific Gravity Flowing Fluid N/A XXXXXX		
4	0.79	535	1.51	0.924	Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 354 R. R		
P _c 2088.2 P _{c2} 4360.6							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.167$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.11$		
1		1949.3	3799.6	561			
2		1591.7	2533.6	1827			
3		1153.2	1329.8	3030.8			
4		789.5	623.3	3737.3			
5							
Absolute Open Flow 357.4 Mcfd @ 15.025					Angle of Slope (°): 55.8		Slope n: 0.679
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

DEVON ENERGY
CARLSBAD "22" H FEE COM #2

