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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

RECEIVED
ARTESIA

Operator CHIEF ENERGY OPER. INC.				Lease or Unit Name DIG MAC PED.com			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/11/01		Well No. 1	
Completion Date		Total Depth 11064		Plug Back TD 11064		Elevation	
Casing Size 5 1/2		Casing ID 17		Perforations From 10762 To 10772		Unit Ltr - Sec - TWP - Rge E 11 22 25	
Tubg. Size 2 7/8		Tubg. ID 6.4		Perforations From 10680 To 10680		County EDDY	
Type Well-Simple-Headhead-G.G. or G.O. Multiple single				Packer Set At 10680		Formation MORROW	
Producing Thru Tubg.		Reservoir Temp °F 180.8 @ 10680		Mean Annual Temp °F 60		Baro. Press. - P _s 13.2	
Connection VENTED		Meter Run 3 068		Taps fig.			
L 10680		H 10680		G 0.592		H ₂ O ₂ 0.476	
N ₂ 0.39		S 0.39		Prover		Meter Run 3 068	
Taps fig.		Duration of Flow					
FLOW DATA				TUBING DATA			
No.	Proser Line Size	Outer Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F
1	3 X 1,000		505	7.84	115	3215	
2	3 X 1,000		477	33.6	77	3050	
3	3 X 1,500		549	14.4	68	2840	
4	3 X 1,500		595	28.1	58	2495	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\frac{h_w}{P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{sp}	Rate of Flow Q, Mcfd
1	4.789	63.74	518.2	0.951	1.3	1.03	491
2	4.789	128.34	490.2	0.984	1.3	1.038	816
3	11.13	89.98	562.2	0.9924	1.3	1.044	1349
4	11.13	130.73	608.2	1.002	1.3	1.054	1998
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Met Bbl		
1	0.77	572	1.61	0.942	A.P. 1. Gravity of Liquid Hydrocarbons DRY Deg		
2	0.72	537	1.51	0.928	Specific Gravity Separator Gas 0.592 XXXXXXXX		
3	0.83	528	1.49	0.917	Specific Gravity Flowing Fluid XXXXXX		
4	0.9	518	1.46	0.9	Critical Pressure 672 P.S.I.A. P.S.I.A.		
5					Critical Temperature 354 R. R.		
P _r	3373.2	P _w	11378.5				
No.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.255$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.021$		
1		3128.6	19424	954.5			
2		3064.4	9390.5	1987.9			
3		2856.7	8160.5	3217.9			
4		2516.7	6333.6	5044.8			
5							
Absolute Open Flow 4037				Mcfd @ 15.025		Angle of Slope G 49.1	
Slope m 0.8019							
Remarks: WELL PRODUCED 1.00 BBL H2O							
Approved By District 		Conducted By SIGNAL WIRE LINE		Calculated By BM		Checked By BM	