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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Devon					Lease or Unit Name Pecos River				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-10-00				
Completion Date 1-10-00					Well No. 6-H				
Total Depth 11150		Plug Back TD 11061		Elevation 3241 GL		Unit Ltr. - Sec. - TWP - Rge. H 6-21-26			
Csg. Size 5 1/2	Wt. 17#	d 11,150	Set At 11,150	Perforations: From: 11968 To: 11976		County Eddy			
Thg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10680	Perforations: From: To:		Pool Avalon Morrow			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 10682		Formation Morrow		
Producing Thru Tbg		Reservoir Temp. °F 178.0		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2		Connection	
L 10682	H 10682	Gg .586	%CO ₂ .834	%N ₂ .261	%H ₂ S 0	Prover 0	Meter Run 4.026	Taps F/G	

FLOW DATA						TUBING DATA		CASING DATA		Duration
No	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Of Flow
SI						3375	N/A	PKR	N/A	
1	4.026 X 1.750		120	6"	64°	3135				60 min
2	4.026 X 1.750		120	14"	66°	2910				60 min
3	4.026 X 1.750		120	30"	68°	2500				60 min
4	4.026 X 1.750		120	90"	60°	1380				60 min
5										

RATE OF FLOW CALCULATIONS							
No	COEFFICIENT (24 HOUR)	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	14.93		28.3	133.2	.9962	1.306	572
2	14.93		43.2	133.2	.9943	1.306	870
3	14.93		63.2	133.2	.9924	1.306	1270
4	14.93		109.5	133.2	1.000	1.306	2222
5							

No	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	.77	524	1.50	.923	N/A	1.041	572
2	.77	526	1.52	.926	N/A	1.039	870
3	.78	528	1.52	.926	N/A	1.039	1270
4	.77	520	1.50	.923	N/A	1.041	2222
5							

No	P _i	P _w	P _w ²	P _c ² - P _w ²
1		3140.9	9865.2	2123.7
2		2944.1	8650.0	3338.9
3		2611.7	6820.9	5708.0
4		1562.5	2441.4	9547.5
5				

(1) $P_c^2 = 1.25$

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

AOF = Q

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.22$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2710.8$

Absolute Open Flow 2710.8	Mcf/d @ 15.025	Angle of Slope θ: 48.0	Slope, n: .8996
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Remarks: ***Calculated from known bottom hole pressures**
***No liquid made during test**

Approved By Division	Conducted By: Pro Well Testing	Calculated By: M.B.	Checked By: B.M.
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