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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

CONFIDENTIAL

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator SNOW OIL & GAS				Lease or Unit Name ELBOW CANYON "4" FED			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/31/00		Well No. 1	
Completion Date		Total Depth 12070		Plug Back TD 11704		Elevation N 4 24S 26E	
Csg. Size 4 1/2	Wt. 11.6	d 4	Set At 12070	Perforations: From: 11386 To: 11400		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11267	Perforations: From: To:		Pool SOUTH Carlsbad Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11270		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. °F 186.7		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
Connection AIR							
L 11270	H 11270	Gg 0.5"7	%CO ₂ 0.841	%N ₂ 0.682	%H ₂ S N/A	Prover N/A	Meter Run 4.026
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	4.026 X 1.750		260	12	88	2980	N/A
2	4.026 X 1.750		260	24	86	2780	PKR
3	4.026 X 1.750		260	48	76	2630	N/A
4	4.026 X 1.750		260	92	76	2340	N/A
5						1880	
RATE OF FLOW CALCULATIONS							
No	COEFFICIENT (24 Hour)	$\sqrt{h_w P_n}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1	14.93	57.2	273.2	0.9741	1.316	1.033	1130
2	14.93	80.9	273.2	0.9759	1.316	1.034	1603
3	14.93	114.5	273.2	0.985	1.316	1.036	2295
4	14.93	158.5	273.2	0.985	1.316	1.036	3177
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1	0.81	548	1.6	0.937	A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	0.8	546	1.59	0.936	Specific Gravity Separator Gas 0.577 XXXXXXXX		
3	0.79	536	1.56	0.932	Specific Gravity Flowing Fluid N/A XXXXXX		
4	0.79	536	1.56	0.932	Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 342 R. R.		
P _c 2993.2 P _{c2} 8959.2							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.774$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.481$		
1	7802	2800.7	7844	1115.2			
2	6986.5	2659.6	7073.4	1885.8			
3	5537.6	2389.2	5708.1	3251.2			
4	3584.2	1977.3	3909.8	5049.4			
5							
Absolute Open Flow 4.706					Mcf/d @ 15.025		Angle of Slope (°): 55.5
Slope n: 0.6851							
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM	