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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 SANTA FE SNYDER					Lease or Unit Name OUTLAND STATE					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/24/00		Well No. 2		
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr - Sec - TWP - Rge 12 21-S 34-E		
Csg. Size	Wt.	d	Set At	Perforations: From: 12756 To: 12851				County LEA		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 12640	Perforations: From: To:				Pool		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12640				Formation		
Producing Thru TUBING		Reservoir Temp. °F 180.4		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		Connection SALES		
L 12640	H 12640	Gg 0.596	%CO ₂ 0.483	%N ₂ 0.251	%H ₂ S N/A	Prover N/A	Meter Run 3.068	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	Press p.s.i.g.	Temp. °F	Duration of Flow
SI						5403	N/A	PKR	N/A	
1	3.068 X 1.375		732	3.5	84	5400				1 HR
2	3.068 X 1.375		748	13.7	77	5322				1 HR
3	3.068 X 1.375		699	64.2	70	5110				1 HR
4	3.068 X 1.375		781	184.4	56	4842				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									623	
2	GAS VOLUMES		MEASURED	BY	TOTAL	FLOW	METER		1236	
3									2641	
4									4745	
5										
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 55.827 Mcf bbl.					
1					A.P. I. Gravity of Liquid Hydrocarbons 47.8 Deg.					
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.596 XXXXXXXX					
3					Specific Gravity Flowing Fluid XXXXXX					
4					Critical Pressure 675 P.S.I.A.		673 P.S.I.A.			
5					Critical Temperature 350 R.		370 R.			
P _c 5497.3 P _{c2} 30220.3					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{4.312}{\quad}$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{15373.8}{\quad}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{3.24}{\quad}$					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²						
1		5446.5	29664.4	555.9						
2		5376.4	28907.8	1312.5						
3		5204.4	27085.8	3134.5						
4		5132.9	26346	7008.1						
5										
Absolute Open Flow 15373.8 Mcfd @ 15.025					Angle of Slope (°): 0.8047		Slope n: 51.17			
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE ** WELL MADE 6.9 BBLS OF 47.8 API GRAVITY CONDENSATE DURING TEST.										
Approved By Division:			Conducted By: PRO WELL TESTING			Calculated By: MB			Checked By: BM	