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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Mineral and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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DEC 1 2005
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Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 30-015-33562

Operator SAMSON RESOURCES COMPANY					Lease or Unit Name PINE SPRINGS 2 STATE 1				
Type Test ☒ Initial ☐ Annual ☐ Special					Test date 8/23/2005		Well No. 1		
Completion Date: 8/4/2005		Total Depth 11900		Plug Back TD 11788		Elevation: 3584 GL		Unit Ltr.-Sec.-TWP-Rge. E 2 26S 25E	
Csg. Size 5.500	Wt. 20	d 4.778	Set At 11900	Perforations: From 11404 To 11406		County EDDY			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 11364	Perforations: From To		Pool			
Type Well - Single - Bradenhead - G.G or G.O Multiple SINGLE					Packer Set At NONE		Formation MORROW		
Prod. Thru TUBING		Reservoir Temp.F 210 @ 11,405		Mean Annual Temp. F 60		Baro, Press - Pa 13.20		Connection DOWNSTREAM	
L 11405	H 11405	Gg 0.654	%Co2 0	%N2 0	%H2s ppm 0	Prover	Meter run X	Taps F	
FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line X Size	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. F.	Press. p.s.i.g.	Temp. F.	Press. p.s.i.g.	Temp. F.
Shut-in Pressure					1500	60			24
1	3.068 X .750		685	1	60	700	60		24
2									
3									
4									
5									
RATE OF FLOW CALCULATIONS									
NO.	COEFFICIENT (24 HOUR)	hwPm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg.	Super Compress Factor, Fpv.	Rate of Flow (Q) Mcfd		
1	2.67	26.42	698.20	1.0000	1.23655	1.076529	94		
2									
3									
4									
5									
NO.	Pr	Temp R	Tr	Z	GAS LIQUID HYDROCARBON RATIO API GRAVITY OF LIQUID HYDROCARBONS S. G. SEPARATOR GAS S.G. FLOWING FLUID CRITICAL PRESSURE CRITICAL TEMPERATURE				
1	1.042	520	1.389	.8604	0 Mcf/bbl. 0 Deg. 0.654 XXXXXXXXXXXX XXXXXX 0.654 670.11 670.11 374.47 374.47				
2									
3									
4									
5									
Pc 1513.2		Pc2 2289.8							
NO.	Pw	Pw2	Pc2-Pw2	[1] Pc2 1.285818 Pc2-Pw2					
1	713.4	509.0	1780.8	[2] Pc2 n 1.285818 Pc2-Pw2					
2									
3									
4									
5									
Absolute Open Flow 121 Mcfd@ 15.025				Angle of Slope 45.00		Slope n 1.00			
Remarks:									
Approved by Division:		Conducted by: SAMSON RESOURCES COMPANY			Calculated by: COMPUTER			Checked by:	

7160-3901-9842-0439-5975