

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Mineral and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator SAMSON RESOURCES COMPANY					Lease or Unit Name SMITH 11 COM 1					
Type Test ☒ Initial ☐ Annual ☐ Special					Test date 2/20/97		Well No. 1			
Completion Date: 11/21/81		Total Depth 12700		Plug Back TD		Elevation: 3111' GL		Unit Sec Twp. Rng. C 11 24S 27E		
Csg. Size 4.500	Wt. 13.5	d 3.92	Set At	Perforations: From 11189 To 11216			County EDDY			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 11093	Perforations: From To			Pool			
Type Well - Single - Bradenhead - G.G or G.O Multiple SINGLE					Packer Set At 11903		Formation STRAWN			
Prod. Thru TUBING		Res. Temp.F 218 @ 11,203		Mean Grd. Temp. 60		Baro. Press - Pa 13.20		Connection DOWNSTREAM		
L 11203	H 11203	Gg 0.595	%Co2 0.447	%N2 0.788	%H2s ppm 0	Prover	Meter run X	Taps F		
FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO	(PROVER) (LINE) X SIZE	ORIFICE SIZE	PRESS PSIG	DIFF INCHES ROOTS	TEMP F.	PRESS PSIG	TEMP F.	PRESS PSIG		TEMP F.
Shut-in Pressure					800	60				24
1	3.068 X	.750	680	1	60	50	60			24
2										
3										
4										
5										
RATE OF FLOW CALCULATIONS										
NO	COEFFICIENT (24 HOUR)	hwpm	Pressure Pm	Flow Temp Fact Ft	Gravity Factor Fg	Super Compress Fpv	Rate of Flow (Q) MCFD			
1	2.67	26.33	693.20	1.0000	1.29695	1.057683	97			
2										
3										
4										
5										
NO	Pr	Temp R	Tr	Z	GAS LIQUID HYDROCARBON RATIO 0 MCF/BBL API GRAVITY OF LIQUID HYDROCARBONS 0 DEG. S. G. SEPARATOR GAS 0.595 XXXXXXXXXX S.G. FLOWING FLUID XXXXXXXXXX 0.595 CRITICAL PRESSURE 672.81 672.81 PSIA CRITICAL TEMPERATURE 351.83 351.83 R					
1	1.03	520	1.478	.8918						
2										
3										
4										
Pc	813.2	Pc2	661.3							
NO	Pw	Pw2	Pc2-Pw2							
1	66.0	4.4	656.9							
2										
3										
4										
5										
Absolute Open Flow 97 @ 14.65					Angle of Slope 45.00		Slope n 1.00			
Remarks: RECOMPLETION FROM THE MORROW FORMATION TO THE STRAWN.										
Approved by Division:		Conducted by: SAMSON RESOURCES COMPANY			Calculated by: COMPUTER			Checked by:		

0912-486-379