

Submit in duplicate to
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 CONOCO, INC.										Lease or Unit Name SEMU														
Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 4/8/00					Well No. 141									
Completion Date					Total Depth					Plug Back TD					Elevation					Unit Ltr - Sec - TWP - Rge 19-20S-38E				
Csg. Size		Wt.		d		Set At			Perforations: From: 3004 To: 3008					County LEA										
Tbg. Size 2 7/8		Wt. 6.5#		d 2.441		Set At 2934			Perforations: From: To:					Pool										
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE										Packer Set At 2934					Formation									
Producing Thru tubing					Reservoir Temp. °F 103.5					Mean Annual Temp. °F 60					Baro. Press. -P _i 13.2					Connection SALES				
L 2950		H 2950		Gg 0.682		%CO ₂ 0		%N ₂ 8.588		%H ₂ S n/a		Prover n/a		Meter Run		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	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow						
SI																								
1	3.026 X 2.25			25	9.3	1360								pkc	n/a			60 min						
2	3.026 X 2.25			25.5	23.1	1280												60 min						
3	3.026 X 2.25			26.1	46.2	990												60 min						
4	3.026 X 2.25			27.1	73.9	870												60 min						
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								380																
2	GAS VOLUMES		MEASURED	BY	TOTAL	FLOW	METER	785																
3								1074																
4								1385																
5																								
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf/bbl.																			
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.																			
2					Specific Gravity Separator Gas 0.682 xxxxxxxx																			
3	TOTAL	FLOW			Specific Gravity Flowing Fluid N/A xxxxxx																			
4					Critical Pressure 655 P.S.I.A. P.S.I.A.																			
5					Critical Temperature 363 R. R.																			
P _c 1373.2 P _{c2} 1885.7																								
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.717}{}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.529}{}$																			
1	1672.4	1293.4	1672.9	212.8	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.117}{}$																			
2	1306.9	1144.2	1309.1	576.5																				
3	1006.4	1005.3	1010.7	875																				
4	780	887.3	787.2	1098																				
5																								
Absolute Open Flow 2.117 Mcfd @ 15.025					Angle of Slope (°): 51.85					Slope n: 0.7854														
Remarks: * NO LIQUID MADE DURING TEST																								
Approved By Division:					Conducted By: PRO WELL TESTING					Calculated By: MB					Checked By: BM									

Received
Habitat
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RECEIVED
MAY 05 2000
BLM
ROSWELL, NM