

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 Eumont					
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. 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 fig			
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						1360		pkc	n/a		
1	3.026 X 2.25			25	9.3	1280	71			60 min	
2	3.026 X 2.25			25.5	23.1	1130	88			60 min	
3	3.026 X 2.25			26.1	46.2	990	83			60 min	
4	3.026 X 2.25			27.1	73.9	870	85			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 _w 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		

W