

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5580/684-6381

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

1310' FSL & 1120' FWL

14-20S-38E

5. Lease Designation and Serial No.

LC 031670A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SEMU Burger, Well # 126

9. API Well No.

30 025 34127 (S2)

10. Field and Pool, or Exploratory Area

Warren Tubb Gas

11. County or Parish, State

Lea County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Repon
☐ Final Abandonment Notice

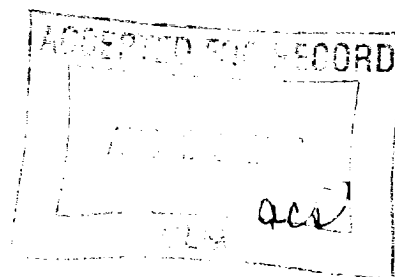
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other C-122, gas well test
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7-10-00: Multipoint test performed for gas well status. C-116 Gas- Oil Ratio Test, "Completion": Gas Oil ratio was 170,000. Currently the well makes no fluid. Copy of Form C-122 "Multipoint and One Point Back Pressure Test for Gas Well" attached.



14. I hereby certify that the foregoing is true and correct.

Signed

Title

Ann E. Ritchie
Regulatory Agent

Date

8-17-00

(This space for Federal or State office use)

Approved by

Title

Date

AUG 31 2000

Conditions of approval if any:

BLM(6), BRK

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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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

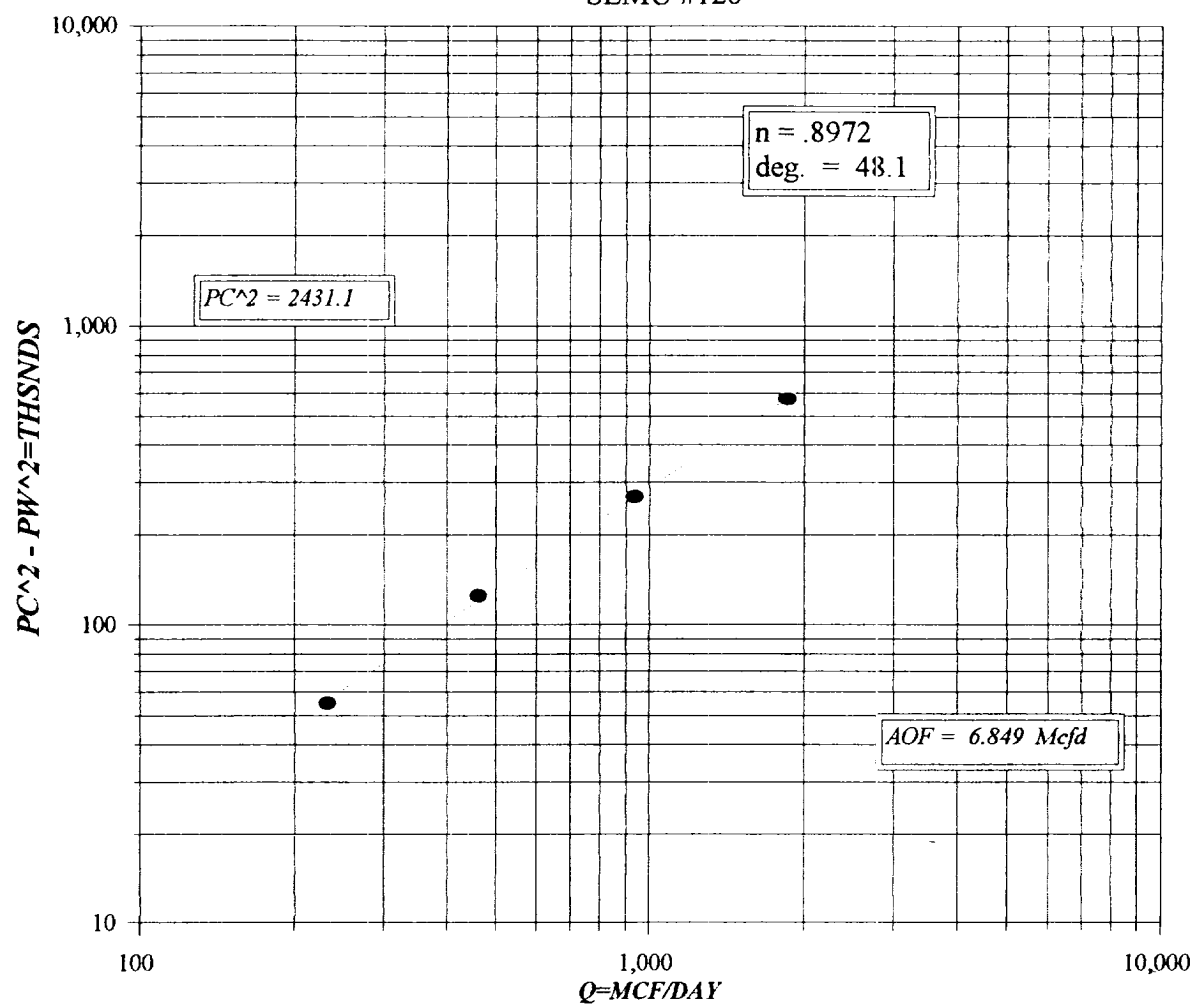
Operator CONOCO INC.					Lease or Unit Name SEMU				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7/10/00		Well No. #126		
Completion Date 5/31/00		Total Depth 7000		Plug Back TD 6953		Elevation		Unit Ltr - Sec - TWP - Rge 19 20-S 38-E	
Csg. Size 5 1/2	Wt. 15.5	d 4.95	Set At 6953	Perforations: From: 6444 To: 6560				County LEA	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 6356	Perforations: From: To:				Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 6367		Formation TUBBS			
Producing Thru TUBING		Reservoir Temp. °F 137.7		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection SALES	
L 6374	H 6374	Gg 0.678	%CO ₂ 0.02	%N ₂ 2.685	%H ₂ S N/A	Prover N/A	Meter Run 4.026	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
SI						1546	N/A	PKR	N/A
1		4.028 X 2.750	26	1	92	1528			
2		4.028 X 2.750	26	4	97	1504			
3		4.028 X 2.750	27	13	89	1452			
4		4.028 X 2.750	30	46	71	1326			
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								232	
2	GAS VOLUMES		MEASURED	BY	TOTAL	FLOW	METER	462	
3								938	
4								1860	
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	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.678 XXXXXXXX				
3					Specific Gravity Flowing Fluid N/A XXXXXX				
4					Critical Pressure 669 P.S.I.A. ~ P.S.I.A.				
5					Critical Temperature 380 R ~ R				
P _c 1559.2 P _{c2} 2431.1					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.275$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.682$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.849$				
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²					
1	2375.3	1541.5	2376.3	54.8					
2	2301.9	1518.6	2306.1	125					
3	2146.8	1471.1	2164.1	267					
4	1793.5	1364.7	1862.5	568.7					
5									
Absolute Open Flow 6.849 Mcfd @ 15.025					Angle of Slope (°): 48.1		Slope n: 0.8972		
Remarks: NO LIQUID MADE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM		

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SEMU #126



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UNITS : L : 6374 H : 6374 L/H : 1 G/GMIX : 0.678
 CO2 : 0.02 H2 : 2.685 H2S : DATE : 7/10/00
 d : 1.995 Pr : 0.018231 GH : 4321.6 RANGE : 38E

VOL 1 : 232 PSIA 1 : 1541.2 RESV.TEMP 137.7
 VOL 2 : 462 PSIA 2 : 1517.2
 VOL 3 : 938 PSIA 3 : 1465.2 SHUT-IN PR= 1559.2
 VOL 4 : 1860 PSIA 4 : 1339.2

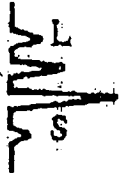
PCR : 669
 TCR : 380

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.232	0.232	0.462	0.462	0.938	0.938	1.860	1.860
2 TW	534	534	534	534	534	534	534	534
3 Ts	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7
4 T	565.9	565.9	565.9	565.9	565.9	565.9	565.9	565.9
PR (est)	2.30		2.27		2.19		2.00	
5 Z(est)	0.777	0.766	0.779	0.767	0.783	0.771	0.795	0.782
6 TZ	439.7	433.3	440.8	434.2	443.3	436.4	450.0	442.2
7 GH/TZ	9.829	9.975	9.804	9.952	9.749	9.902	9.603	9.772
8 eS	1.446	1.454	1.444	1.452	1.441	1.450	1.433	1.443
9 l-e-S	0.308	0.312	0.308	0.311	0.306	0.310	0.302	0.307
10 Pt	1541.2	1541.2	1517.2	1517.2	1465.2	1465.2	1339.2	1339.2
11 Pt2 /1000	2375.3	2375.3	2301.9	2301.9	2146.8	2146.8	1793.5	1793.5
12 Pr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Pc=PrTZ	8.016	7.899	8.036	7.917	8.082	7.956	8.205	8.062
14 PcQm	1.86	1.83	3.71	3.66	7.58	7.46	15.26	15.00
15 L/H(PcQm)	3.5	3.4	13.8	13.4	57.5	55.7	232.9	224.9
16 Pw	1.066141	1.047930	4.240444	4.166610	17.59718	17.27718	70.42601	68.997079
17 Pw2	2376.4	2376.3	2306.1	2306.1	2164.4	2164.1	1863.9	1862.5
18 Ps2	3435.5	3454.3	3330.9	3349.3	3119.6	3137.2	2671.8	2686.8
19 Ps	1853.5	1858.6	1825.1	1830.1	1766.2	1771.2	1634.6	1639.1
20 P	1697.4	1699.9	1671.1	1673.7	1615.7	1618.2	1486.9	1489.2
21 Pr	2.54	2.54	2.50	2.50	2.42	2.42	2.22	2.23
22 Tr	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
23 Z	0.766	0.765	0.767	0.767	0.771	0.771	0.782	0.781

PC = 1339.2 PC2 = 1431.1
 Pt2 = 2376.3 Pw = 1541.5
 2301.9 1518.6
 2146.8 1471.1
 1793.5 1364.7
 Pc2-Pw2= 54.8 Pw2 = 2376.3
 125.0 2306.1
 267.0 2164.1
 568.7 1862.5
 n = 0.897
 Pc2/(Pc2-Pw2) = 44.396
 19.442
 9.105
 4.275
 [Pc2/Pc2-Pw2]n = 30.061
 14.331
 7.255
 3.682
 AOF= Q 6.974
 6.621
 6.805
 6.849
 FORM C122-D

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Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Merv Buecker
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: SEMU #126
COMPANY: Conoco, Inc.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 7/10/00 12:00PM
ANALYSIS DATE: 7/10/00
PRESSURE - PSIG 60
SAMPLE TEMP. °F
ATMOS. TEMP. °F 97

GAS (XX) LIQUID ()
SAMPLED BY: Ray Gallagher
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	2.685	
Carbon Dioxide (CO2)	0.020	
Methane (C1)	84.087	
Ethane (C2)	7.340	1.958
Propane (C3)	3.341	0.918
I-Butane (IC4)	0.386	0.126
N-Butane (NC4)	1.050	0.830
I-Pentane (IC5)	0.251	0.092
N-Pentane (NC5)	0.304	0.110
Hexane Plus (C6+)	0.536	0.220
	100.000	3.754

BTU/CU.FT. - DRY 1158
AT 14.650 DRY 1154
AT 14.650 WET 1134
AT 14.73 DRY 1160
AT 14.73 WET 1140

MOLECULAR WT. 19.6259

SPECIFIC GRAVITY -
CALCULATED 0.678
MEASURED

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