

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
Bureau of Land Management 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)
Section 28, T20S, R38E (F), 2180' ~~FWL~~ ^{FSL} & 2200' FWL

5. Lease Designation and Serial No.

LC 031695 B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No

Warren Unit, Well # 132

9. API Well No

30 025 33485

10. Field and Pool, or Exploratory Area

Warren Seven Rivers (96812)

11. County or Parish, State

Lea, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

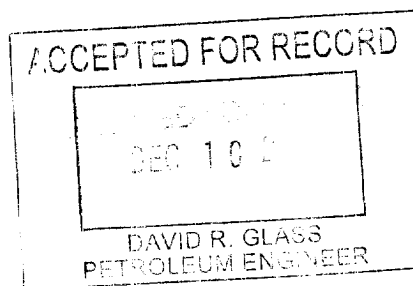
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other 4 pt test

- ☐ 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.)*

Please see attached the Form C-122, "Multipoint and One Point Back Pressure Test for Gas Well", along with the back pressure chart and gas analysis. Test date 9-24-01. Recompletion 3160-4 filed 10-31-01.



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

Signed [Signature]

Title Ann E. Ritchie
Regulatory Agent

Date 11-19-01

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval if any: _____

Date _____

BLM(8),

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.

*See Instruction on Reverse Side

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 NG GP				Lease or Unit Name WARREN UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/24/01	Well No. 132
Completion Date 6/7/01		Total Depth 4650		Plug Back TD 3200		Elevation	Unit Ltr - Sec - TWP - Rge 28-20-38
Cog. Size 5 1/2	Wt. 15.5	d 4650	Set At 4650	Perforations: From: 3043 To: 3068		County LEA	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 2945	Perforations: From: To:		Pool EUMOT	
Type Well-Single-Bradenhead-O.O. or G.O. Multiple SINGLE				Packer Set At 2945		Formation YATES	
Producing Thru Tbg. Size		Reservoir Temp. °F 103 @ 2945		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
IC 2945	H 2945	Gg 0.697	%CO ₂ 0	%N ₂ 10.951	%H ₂ S N/A	Prover N/A	Meter Run 3.068
Tape FLG							

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice x Size	Press. p.s.i.g.	Diff. h _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F			
SI						607		PKR			24 hr	
1		3 X 1.250	45	1.69	70	580		"			1 HR	
2		3 X 1.250	45	17.6	72	505		"			1 HR	
3		3 X 1.250	55	27	76	430		"			1 HR	
4		3 X 1.250	83	37.2	79	367		"			1 HR	
5												

No.	COEFFICIENT (24-Hour)	$\sqrt{h \cdot P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1	7.577	9.92	58.2	0.9905	1.198	1.008	90
2	7.577	32	58.2	0.9887	1.198	1.008	290
3	7.577	42.91	68.2	0.985	1.198	1.008	387
4	7.577	59.82	96.2	0.9822	1.198	1.008	538
5							

No.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	DRY GAS	Mcfd/bbl.
1					A.P. I. Gravity of Liquid Hydrocarbon	DRY	Deg.
2					Specific Gravity Separator Gas	0.697	XXXXXXX
3	N/A	N/A	N/A	N/A	Specific Gravity Flowing Fluid	XXXXXX	
4					Critical Pressure	* 652	P.S.I.A.
5					Critical Temperature	* 363	R

No.	P _i ²	P _w	P _w ²	P _i ² - P _w ²
1		593.2	351.9	32.7
2		518.5	268.9	115.8
3		443.9	197	187.6
4		381.8	145.8	238.9
5				

(1) $P_c^2 = \frac{11.752}{P_c^2 - P_w^2}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0.803$

79825

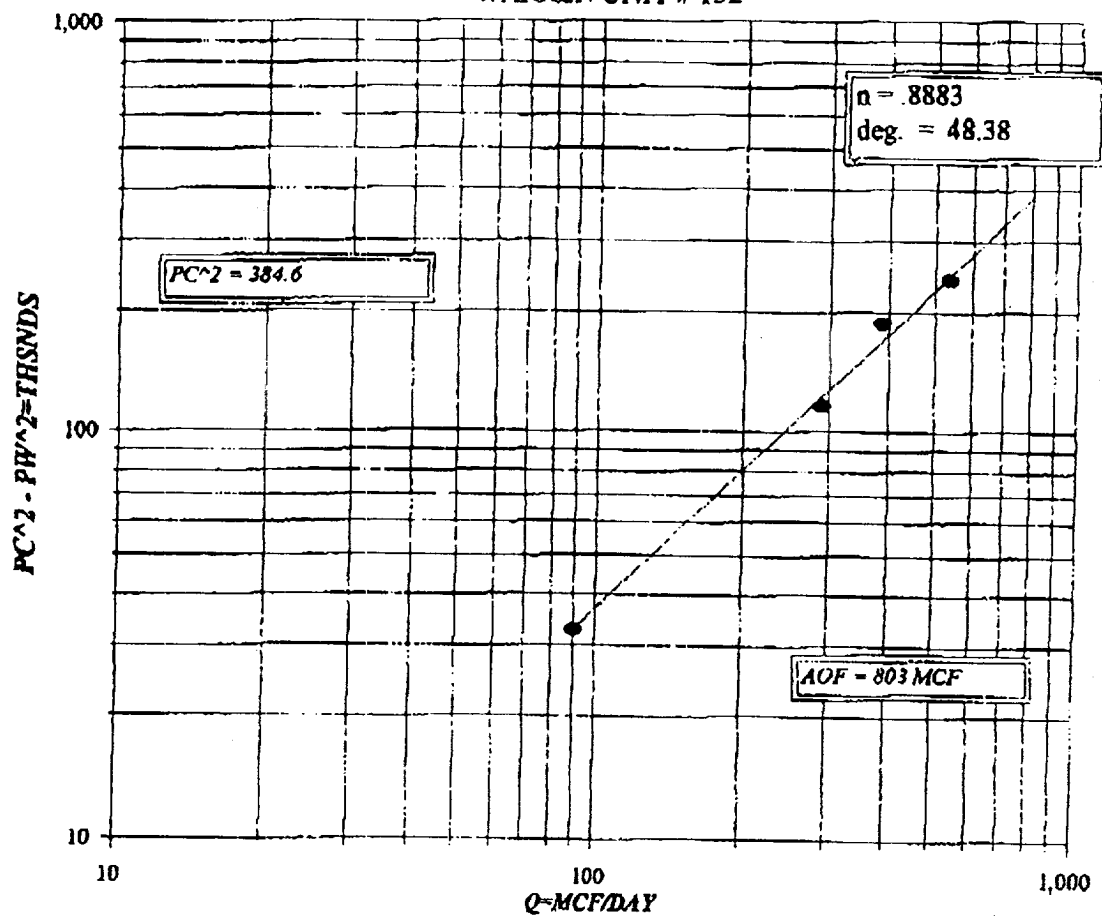
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8.925$

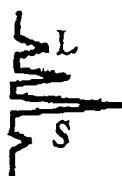
Absolute Open Flow	803	Mcfd @ 15.025	Angle of Slope (°)	48.38	Slope n:	0.888
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Remarks: **NO FLUID PRODUCED * = CORRECTED TO 10.951 % N2**

Approved By Division:	Conducted By: METERING & TESTING	Calculated By: BM	Checked By: BM
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CONOCO NG GP WARREN UNIT # 132





Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Metering & Testing Services, Inc.
Attention: Mr. Al Lewis
2807 West County Road
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Warren Unit #132
COMPANY: Conoco NG & GP
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/24/01 9:00AM
ANALYSIS DATE: 9/24/01
PRESSURE - PSIA 30.3
SAMPLE TEMP. °F 67.7
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: M & T
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	10.951	
Carbon Dioxide (CO2)	0.000	
Methane (C1)	76.823	
Ethane (C2)	7.434	1.988
Propane (C3)	2.872	0.790
I-Butane (IC4)	0.326	0.106
N-Butane (NC4)	0.804	0.253
I-Pentane (IC5)	0.175	0.064
N-Pentane (NC5)	0.221	0.080
Hexane Plus (C6+)	0.394	0.171
	100.000	3.447

BTU/CU.FT. - DRY 1051
AT 14.650 DRY 1048
AT 14.650 WET 1030
AT 14.73 DRY 1054
AT 14.73 WET 1035

MOLECULAR WT. 20.1986

SPECIFIC GRAVITY -
CALCULATED 0.697
MEASURED