

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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) 686-5424

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

Section 1. T-27-N, R-7-W, L
1650' FSL & 990' FWL

5. Lease Designation and Serial No.

SF 079321A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

San Juan 28-7 Unit # 35

9. API Well No.

30-039-07178

10. Basin, Field and Coal/Banco

Pictured Cliffs South

11. County or Parish, State

Rio Arriba, 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
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracuring
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

INote: Reponresunsof multiplecompletionWd1
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.)*

It is proposed to abandon the Mesaverde in this well and recomplete in the Fruitland Coal and Pictured Cliffs using the attached procedure

RECEIVED
APR 27 1999
OIL CON. DIV.
DIST. 3

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

Signed

Kay Maddox

Title

Kay Maddox

Regulatory Agent

Date

February 23, 1999

(This space for Federal or State office use)

Approved by

/S/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

APR 23 1999

Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

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

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd. Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994
instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-07178	2 Pool Code 72439	3 Pool Name Blanco Pictured Cliffs South EXT
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number #35
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6169'

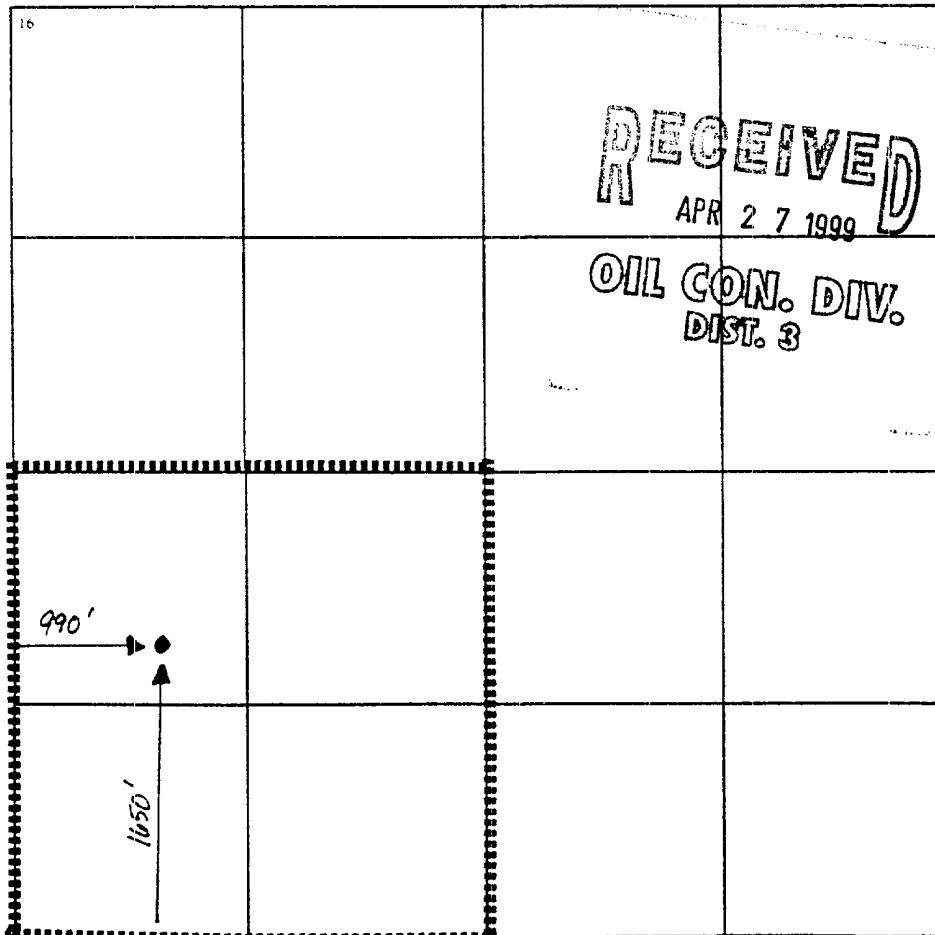
10 Surface Location

UL or lot no. L	Section 1	Township 27N	Range 7W	Lot Idn	Feet from the 1650	North/South line South	Feet from the 990	East/West line West	County Rio Arriba
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Kay Maddox
Signature

Kay Maddox
Printed Name

Regulatory Agent
Title

February 23, 1999
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

OK

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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PO Box 2088, Santa Fe, NM 87504-2088

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Form C-102

Revised February 21, 1994

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Submit to Appropriate District Office

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-07178	2 Pool Code 71629	3 Pool Name Basin Fruitland Coal
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number #35
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6169'

10 Surface Location

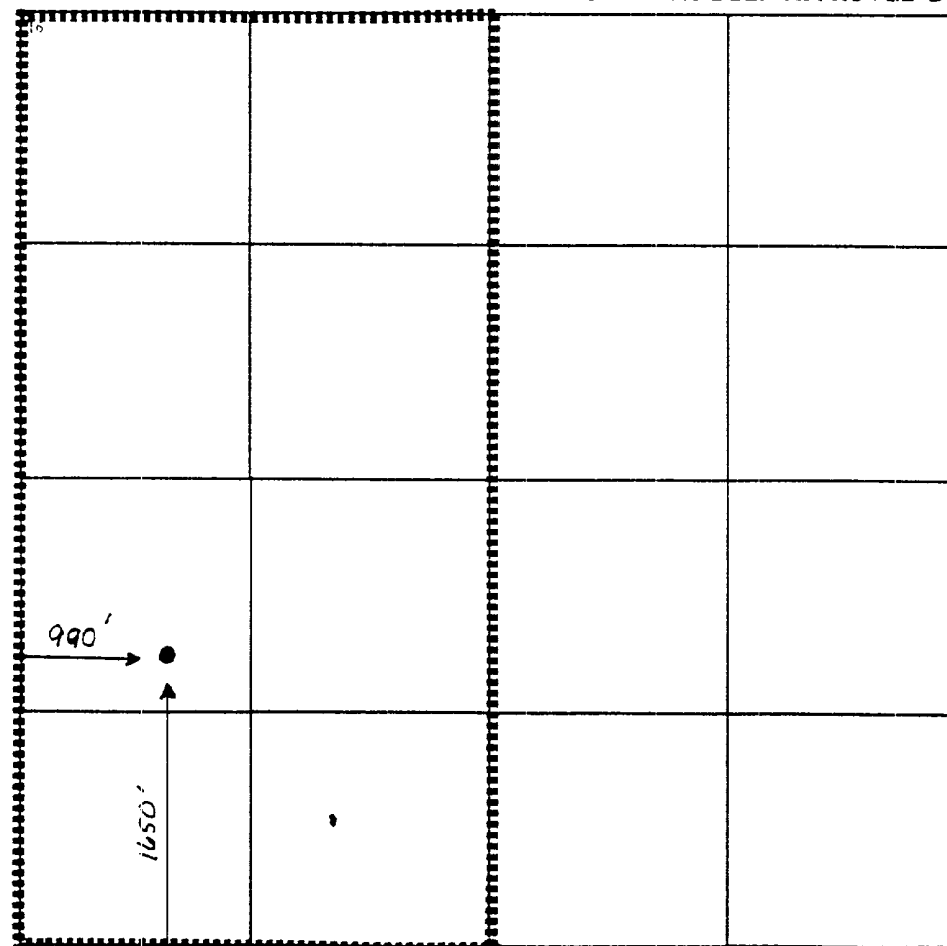
UL or lot no. L	Section 1	Township 27N	Range 7W	Lot Idn	Feet from the 1650	North/South line South	Feet from the 990	East/West line West	County Rio Arriba
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 319.80	13 Joint or Infill	14 Consolidation Code	15 Order No.
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I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Kay Maddox
Signature

Kay Maddox

Printed Name

Regulatory Agent

Title

February 23, 1999

Date

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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

OK Q

**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Fruitland Coal Recompletion
& DHC
API # 30-039-071780**

Justification:

Funds in the amount of \$85,000 are requested to recomplete the Fruitland Coal and Downhole Commingle (DHC) with existing Pictured Cliffs production in the San Juan 28-7 # 35. The subject well is located in SW/4 of sec 1, Twn 27N, Rng 7W of the Conoco operated San Juan 28-7 Unit.

This recompletion AFE is the 2nd of two written to recomplete and DHC the PC and FC in the subject well. The 1st AFE (#51-61-8968, see attached justification) included permanent abandonment of the, existing at the time, open-hole Mesaverde and recompletion to the PC. The work was separated in order to obtain a sustained production test of the PC for allocation purposes. Once the well is DHC'd production allocations will be determined by the subtraction method based on a projection of historical data from the PC.

Performing the requested work is expected to have an initial production of 158 MCFD and recover 357 MMCF of new reserves based on normalized FC production plots in the 28-7 unit. Perforation selection and Frac design will be tailored to reduce the risk of communication between the two zones

As payment for the use of the wellbore, the PC/FC working interest owner's will assume all P&A costs and liabilities for the MV working interest owner's share of the wellbore. The two recompletion AFE's will share the MV P&A costs equally.

San Juan 28-7 Unit # 35
Mesaverde Abandonment
Pictured Cliffs Recompletion
API # 30-039-071780

Justification:

Funds in the amount of \$85,000 are requested to permanently abandon the open-hole Mesaverde section of the wellbore and recomplete to the Pictured Cliffs (PC) in the San Juan 28-7 # 35. The subject well is located in SW/4 of sec 1, Twn 27N, Rng 7W of the Conoco operated San Juan 28-7 Unit. Current Mesaverde production averages < 15 MCFD, with a cumulative recovery of 1.15 BCF since its completion in 1955. Mesaverde production in this quarter section was replaced in 1997 with the recompletion of the offset #126 and is currently producing 160 MCFD.

This recompletion procedure includes permanently abandoning the current open-hole section of the Mesaverde. The Pictured Cliffs formation will then be perforated and fracture stimulated in a single stage, utilizing typical energized fluid stimulation techniques. Performing the requested work is expected to have an initial production of 210 MCFD and recover 452 MMCF of new reserves based on normalized PC production plots in the 28-7 unit.

Additionally, it is also planned to recomplete the subject well to the Fruitland Coal (FC) and Downhole Commingle (DHC) the PC and FC. Perforation selection and Frac design will be tailored to reduce the risk of communication between the two zones

For future allocation purposes, the FC will be added after a sustained production test of the PC is complete. The FC will then be added, utilizing a separate AFE, and allocation will be based on the subtraction method based on historical production data from the PC.

As payment for the use of the wellbore, the PC/FC working interest owner's will assume all P&A costs and liabilities for the MV working interest owner's share of the wellbore. The two recompletion AFE's, (one each for PC & FC) will share the MV P&A costs equally.

**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Fruitland Coal Recompletion
& DHC
API # 30-039-071780**

February 12, 1999

Summary of Work Recommended

- Isolate PC from FC.
- Perf & Stimulate FC Interval (single stage energized fluid frac)
- Place Well on Production as PC/FC DHC.

Well Data:

AFE # **51-61-8969** **Downhole Commingle:** **DHC-????**

Location: 1650' FSL & 990' FWL, Sec. 1, T27N-R7W
Rio Arriba County, New Mexico

Elevations: KB: 6177'
 GL: 6169'
 PBTD: 3400'
 TD: 5125'

Casing: 9 5/8", 25.4 #/ft, Spiral Wound, 4 jts set @ 175'
 1 stage: 125 sxs. TOC @ Surface (circ)

7", 20 #/ft, J-55, 106 jts set @ 4400'
 1 stage 500 sxs TOC @ 1845' (TS)

Size	Wt	Drift	Capacity	Burst
9 5/8"	25.4	NA	NA	NA
7"	20	6.331"	24.70 ft/bbl	3740 psi
2 3/8"	4.7	1.901"	258 ft/bbl	5600 psi

Tubing: 2 3/8" 4.7#/ft, J-55, 142 jts set @ 2,840'

Perforations: Pictured Cliffs: (2866'-2810')

Re-Completed: 2nd qtr - 1999



**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Pictured Cliffs Recompletion
API # 30-039-071780**

February 12, 1999

Summary of Work Recommended

- Permanently Abandon Open Hole MV
- Perf & Stimulate PC Interval (single stage energized fluid frac)
- Place Well on Production as PC single.

Well Data:

AFE # **51-61-8968** **Downhole Commingle:** **DHC-????**

Location: 1650' FSL & 990' FWL, Sec. 1, T27N-R7W
Rio Arriba County, New Mexico

Elevations: KB: 6177'
 GL: 6169'
 PBTD: 5125'
 TD: 5125'

Casing: 9 5/8", 25.4 #/ft, Spiral Wound, 4 jts set @ 175'
 1 stage: 125 sxs. TOC @ Surface (circ)

 7", 20 #/ft, J-55, 106 jts set @ 4400'
 1 stage 500 sxs TOC @ 1845' (TS)

Size	Wt	Drift	Capacity	Burst
9 5/8"	25.4	NA	NA	NA
7"	20	6.331"	24.70 ft/bbl	3740 psi
2 3/8"	4.7	1.901"	258 ft/bbl	5600 psi

Tubing: 2 3/8" 4.7#/ft, J-55, 142 jts set @ 4,453'

Perforations: (Open Hole 4400' – 5125')

Treatment: Point Lookout: (4740' to 5125') 11,100 gallons oil & 10,500 lbs sand
 Cliffhouse: (4400' to 4610') 18,400 gallons oil & 14,000 lbs sand
 Completed: July 1955

**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Fruitland Coal Recompletion
& DHC
API # 30-039-071780**

Please Refer questions to the following people:

Geologic/Logging:	Tom Johnson	(915) 686-6111
Engineering/Procedural:	Randy Herring Pager	(915) 686-6541 800-999-6710 I.D.# 991-7826
Fracturing:	Jim Russell: Pager Mobile	(505) 327-6222 (505) 324-1867 (505) 330-0005
Completion:	Greg Vick: Pager Mobile	(505) 324-5819 (505) 324-2601 (505) 320-4609
	Gilbert Hughes Pager Mobile	(505) 324-5812 (505) 327-8753 (505) 320-4785
	Lino Hernandez: Pager Mobile	(505) 324-5816 (505) 326-8198 (505) 320-6739

Other #'s

BLM:	(505) 599-8900	NMOCD:	(505) 334-6178
One Call:	1-800-321-2537		

Midland Continuous Fax: (915) 686-6112

EMERGENCY NUMBERS:

Aztec Fire & Police:	911	Air Care:	911 or 1-800-452-9990
NM State Police	325-7547	SJ County Sheriff:	334-6107



**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Pictured Cliffs Recompletion
API # 30-039-071780**

1. Hold tailgate safety meetings prior to rigging up, each morning, and whenever necessary.
2. Test Anchors, MIRU Workover Unit. If necessary, kill well with a minimum of 1 % KCl. NU BOP. POOH w/ 2 3/8" production string (142 jts).

Abandon MV:

3. MU 7" cement retainer and RIH to +/- 3,500 ft. Pump Class "A" neat cement through retainer into open hole & casing. (Estimate 368 cu ft in OH & 204 cu ft of csg below retainer). Sting out of retainer and pump an additional 100' of cement to cover retainer. (Estimate 23 cu ft). Circulate excess to surface. & POOH w/ tubing.

PC Recompletion:

4. RU Wireline unit. MU 4" HSC Guns w/ 1 & 2 SPF, 11gm charges w/ 180 degree phasing. Run a GR strip to correlate to the attached log and perforate from bottom-up the following depths:

Depth	# ft	SPF	# shots
2866'-2856'	10	2	20
2853'-2840'	13	2	26
2827'-2810'	17	1	17
Total:			63 holes

5. RU Acidizing & Frac equipment. Test lines to 4,000 psi. Break down perforations using 1000 gallons 15% HCl. Bullhead down casing @ maximum rate to optimize breakdown w/o exceeding Max Pressure. **MAXIMUM PRESSURE = 3500 PSI**
6. Immediately follow acid w/ energized fluid frac per attached procedure.
DO NOT EXCEED 3500 psi
7. Clean location & release frac equipment.



**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Pictured Cliffs Recompletion
API # 30-039-071780**

8. RU choke manifold and blow down well to lay down tank until well logs off.
RU compressors and RIH w/ tubing & CO well to +/- 3,000'.
9. PUH and set tbg @ +/- 2840'. Obtain a stabilized flow test and Drywatch as necessary.
10. RDMO workover unit and clean location.
11. Install wellhead compression & place well on production
12. Thank You.

Prepared By: _____
Randy B. Herring,
Sr. Production Engineer

San Juan 28-7 Unit # 35
Mesaverde Abandonment
Fruitland Coal Recompletion
& DHC
API # 30-039-071780

1. Hold tailgate safety meetings prior to rigging up, each morning, and whenever necessary.
2. Test Anchors, MIRU Workover Unit. If necessary, kill well with a minimum of 1 % KCl. NU BOP. POOH w/ 2 3/8" production string..

Set Bridge Plug:

3. RU wireline unit , MU 7" CIBP and RIH and set plug @ 2800' ft.
(If necessary run GR strip and correlate to attached log).
Test plug to 3,500 psi

FC Recompletion:

4. MU 4" HSC Guns w/ 1 & 2 SPF, 11gm charges w/ 180 degree phasing. Run a GR strip to correlate to the attached log and perforate from bottom-up the following depths:

<u>Depth</u>	<u># ft</u>	<u>SPF</u>	<u># shots</u>
2790'-2776'	14	1	14
2770'-2756'	14	2	28
2704'-2696'	8	2	16
2692'-2686'	6	2	12
2684'-2680'	4	2	8
Total:			78 holes

5. RU Acidizing & Frac equipment. Test lines to 4,000 psi. Break down perforations using 1000 gallons 15% HCl. Bullhead down casing @ maximum rate to optimize breakdown w/o exceeding Max Pressure. **MAXIMUM PRESSURE = 3500 PSI**
6. Immediately follow acid w/ energized fluid frac per attached procedure.
DO NOT EXCEED 3500 psi
7. Clean location & release frac equipment.

**San Juan 28-7 Unit # 35
Mesaverde Abandonment
Fruitland Coal Recompletion
& DHC
API # 30-039-071780**

8. RU choke manifold and blow down well to lay down tank until well logs off.
RU compressors and RIH w/ tubing & CO well to CIBP @ 2800'.
9. Drill out CIBP and obtain a stabilized rate. Drywatch as necessary
10. Record and notify necessary personnel for regulatory and gas allocation purposes.
11. Install wellhead compression & place well on production as a PC/FC DHC.
12. Thank You.

Prepared By: _____
Randy B. Herring,
Sr. Production Engineer



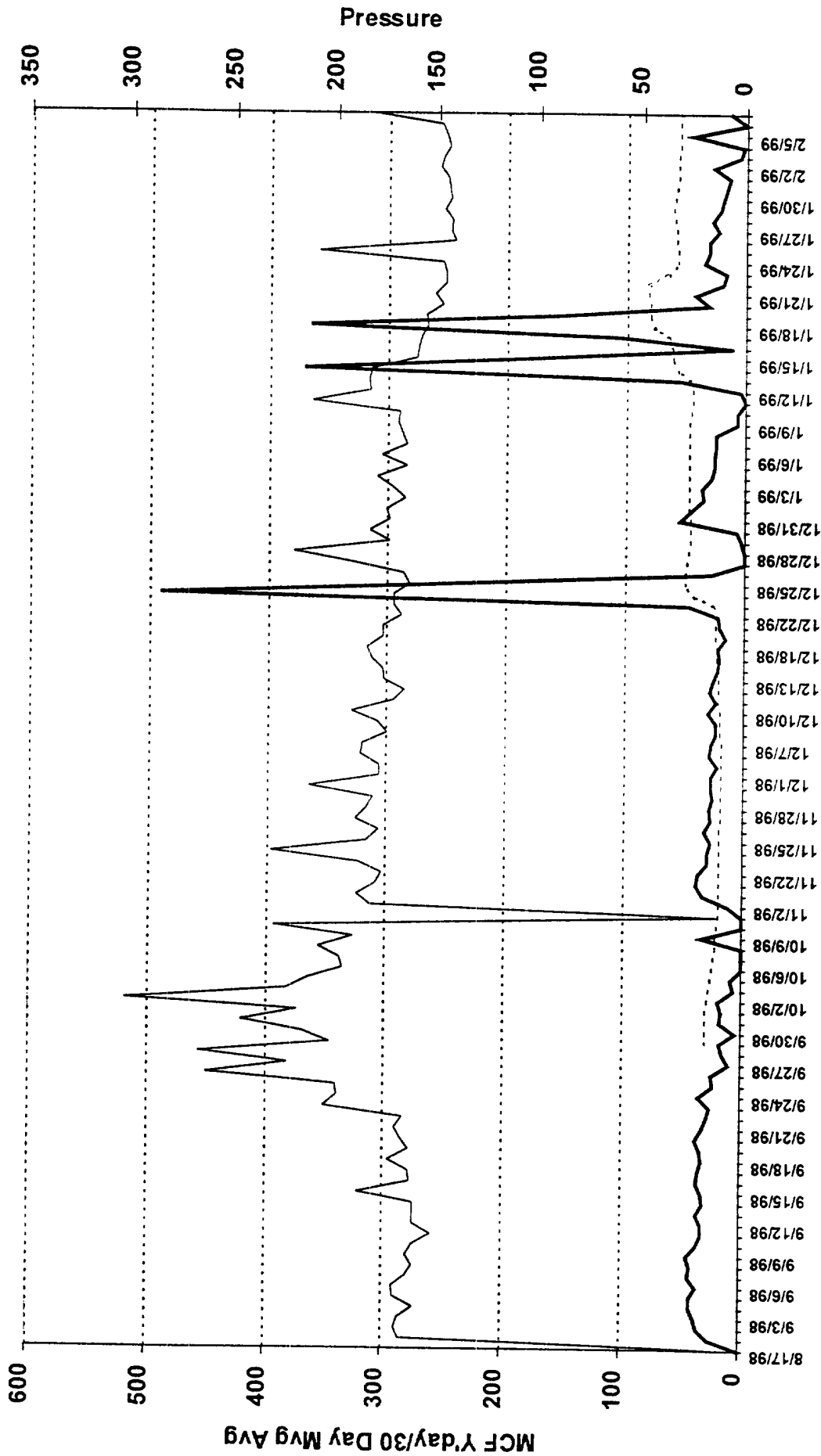
San Juan Production

San Juan Gas Production - 180 Day

71-082-01 SANJUAN 28-7 35 MV

Operator: 13 Bob Williams

2/10/99 8:58:55 AM



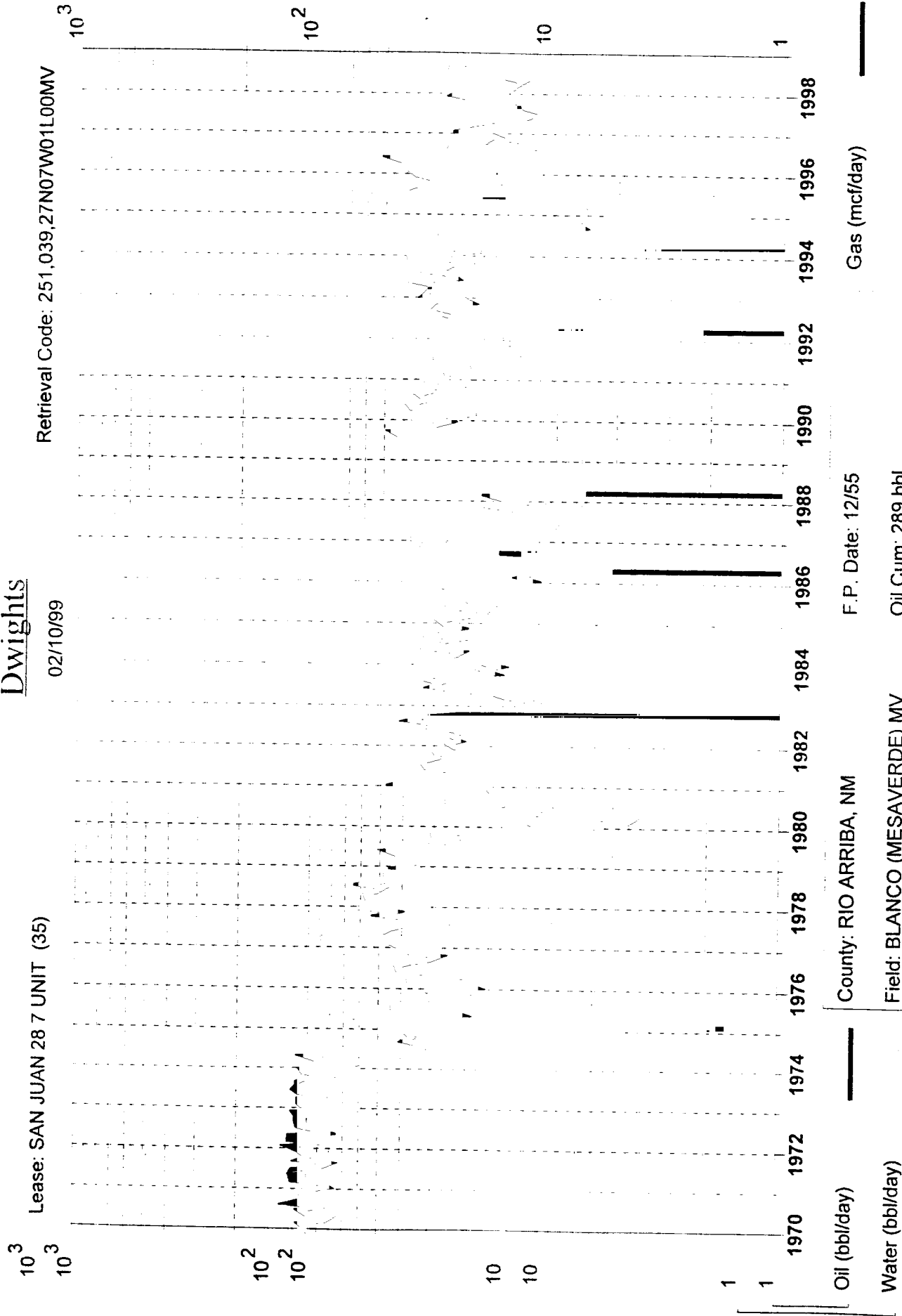
— MCF Yesterday — Pressure — 30 Day Mvg Avg

Dwights

Lease: SAN JUAN 28 7 UNIT (35)

02/10/99

Retrieval Code: 251,039,27N07W01L00MV



Oil (bbl/day)

Water (bbl/day)

Gas (mcf/day)

F.P. Date: 12/55

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Oil Cum: 289 bbl

Reservoir: MESAVERDE

Gas Cum: 1158 mmcf

Operator: CONOCO INC

Location: 1L 27N 7W

