



APPLICATION FOR EXCEPTION TO WELL DENSITY
REQUIREMENTS OF BLANCO MESAVERDE POOL
MUDGE COM B #2A WELL
W/2 SECTION 14, T31N-R11W
SAN JUAN COUNTY, EW MEXICO

BP AMERICA PRODUCTION COMPANY

NEW MEXICO OIL CONSERVATION DIVISION
CASE NUMBER 13614
FEBRUARY 2, 2006

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 13612/13613/13614 Exhibit No. 3
Submitted by:
BP AMERICA, INC.
Hearing Date: February 2, 2006

Mudge

HOLLAND & HART LLP



William F. Carr
wcarr@hollandhart.com

December 6, 2005

HAND-DELIVERED

Mark E. Fesmire, P.E.
Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Re: Application of BP America, Inc. for an exception to the well density requirements of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool, San Juan County, New Mexico.

Dear Mr. Fesmire:

Enclosed in triplicate is the Application of BP America, Inc. in the above-referenced case as well as a copy of a legal advertisement. BP requests that this application be placed on the docket for the January 5, 2006 examiner hearings.

Very truly yours,

William F. Carr
Attorney for BP America, Inc.

Enclosures

cc: Bill Hawkins (w/ enclosures)
BP America, Inc.

Holland & Hart LLP

Phone (505) 988-4421 Fax (505) 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ♻

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

IN THE MATTER OF THE APPLICATION OF BP AMERICA PRODUCTION COMPANY, FOR AN EXCEPTION TO THE WELL DENSITY REQUIREMENTS FOR THE BLANCO-MESAVERDE GAS POOL, SAN JUAN COUNTY, NEW MEXICO

CASE NO. _____

APPLICATION

BP America Production Company, (BP), through its undersigned attorneys, hereby makes application for an order granting an exception to the well density requirements of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool to permit it to simultaneously produce three wells in a single quarter section and in support of its application states:

1. BP is the operator of a standard 320-acre spacing and proration unit in the Blanco-Mesaverde Gas Pool comprised of the W/2 of Section 14, Township 31 North, Range 11 West, NMPM, San Juan County, New Mexico.

2. The Blanco-Mesaverde Gas Pool is governed by Special Rules and Regulations which provide for 320-acre spacing and proration units on which as many as four wells may be drilled. (Order No. R-8170, as superseded by Order No. R-10987-A, effective February 1, 1999 and amended by Order No. R-10981-A(1), effective December 2, 2002). These Special Pool Rules and Regulations provide:

II. ACREAGE AND WELL LOCATION REQUIREMENTS

A. Standard GPU (Gas Proration Unit): A Standard GPU in the Blanco Mesaverde Pool shall be 320-acres, more or less, comprising any two contiguous quarter sections of a single section that is a legal subdivision of the U. S. Public Land Surveys.

B. Well density:

(1) Up to four (4) wells may be drilled on a standard GPU, as follows:

- (a) the FIRST OPTIONAL INFILL WELL drilled on a GPU shall be located in the quarter section not containing the INITIAL Mesaverde well;
- (b) the SECOND OPTIONAL INFILL WELL drilled on a GPU shall be located in the quarter-quarter not containing a Mesaverde Well and within a quarter section of the GPU not containing more than one (1) Mesaverde well;
- (c) the THIRD OPTIONAL INFILL WELL drilled on a GPU shall be located in a quarter-quarter section of the GPU not containing a Mesaverde well and within a quarter section of the GPU not containing more than one (1) Mesaverde well;
- (d) at the discretion of the operator, the second or third optional infill well may be drilled prior to the drilling of the first optional infill well;
- (e) no more than two wells shall be located within either quarter section in a GPU, and
- (f) any deviation from the above-described well density requirements shall be authorized only after hearing....

3. In the 1953, the Neil LS Well No. 5 (API No. 30-045-10653) was drilled at a location 880 feet from the South line and 1600 feet from the West line (Unit N) of Section 14, Township 31 North, Range 11 West, NMPM, and produced from the Mesaverde formation, Blanco-Mesaverde Gas Pool. This well was plugged and abandoned in 1996.

4. The Mudge Com B Well No. 2A (API No. 30-045-23063) was drilled in 1979 at a location 800 from the North line and 1580 feet from the West line (Unit C) of said section. This well was the first infill well drilled on this spacing unit. The well has been shut in since June 2005.

5. The Mudge Com B Well No. 2E (API No. 30-045-25381) was drilled in 1982 at a location 1350 feet from the South line and 685 feet from the West line (Unit L) of said section to test the Dakota formation, Basin-Dakota Gas Pool. The well was recompleted to the Mesaverde formation in 1993. This well was the second infill well on this spacing unit.

6. The Mudge B Com Well No. 2 (API No. 30-045-24040) was drilled in 2000 to test the Dakota formation. It was recompleted in that year in the Mesaverde formation. This was the third infill well on this spacing unit.

7. The Mudge B Com Well No. 2M (API No. 30-045-31898) was drilled in April 2004 as a Mesaverde and Dakota test. When BP discovered that this well was the third well in this quarter section, BP planned to directionally drill the well from a surface location 2370 feet from the North line and 1680 feet from the West line in the SE/4 NW/4 (Unit F) of Section 14 to a bottomhole location 2634 feet from the North line and 1392 feet from the West line in the NE/4 SW/4 (Unit K) . After the well was drilled, it was discovered that due to Section 14 being an irregular section, the bottomhole location was still in the NW/4 of the Section.

8. The objective formation in each of the above-described wells is the Blanco-Mesaverde Gas Pool and each well was permitted and drilled as a Mesaverde test.

9. While the total number of wells on this Mesaverde spacing unit is allowed under the Special Pool Rules and Regulations for the Blanco-Mesaverde Gas Pool, the Mudge Com B Well Nos. 2, 2A and 2M are located in the same quarter-quarter section.

10. BP therefore requests that the Division enter its order granting an exception to the well density requirements of Rule I B. of the Special Pool Rules and Regulations to authorize it BP to simultaneously produce the Mudge B Wells Nos. 2, 2A and 2M At full development of the spacing unit, BP will operate no more than four wells in this 320-acre spacing unit. BP therefore does not seek to increase the number of wells in this spacing unit.

11. Approval of this application will not impair the correlative rights of any other interest owner in the Blanco-Mesaverde Gas Pool, and will afford BP the opportunity to utilize the existing wells to produce the reserves from this spacing unit.

12. Approval of this application will be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, BP America Production Company requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 5, 2006 and after notice and hearing as required by law, the Division enter its order granting an exception to the well density requirements of Rule I.B of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool approving location of the Mudge B Com Well No. 2A in the Mesaverde formation and authorizing BP to simultaneously produce the Mudge B Well Nos. 2, 2A and 2M located in the NW/4 of Section 14, Township 31 North, Range 11 West, NMPM.

Respectfully submitted,

HOLLAND & HART LLP

By: 

William F. Carr

Post Office Box 2208

Santa Fe, New Mexico 87504

Telephone: (505) 988-4421

ATTORNEYS FOR BP AMERICA
PRODUCTION COMPANY

EXHIBIT A

**APPLICATION OF
BP AMERICA PRODUCTION COMPANY,
FOR AN EXCEPTION TO THE WELL
DENSITY REQUIREMENTS FOR THE
BLANCO-MESAVERDE GAS POOL,
SAN JUAN COUNTY, NEW MEXICO.**

NOTIFICATION LIST

Burlington Resources Oil & Gas Company
Post Office Box 4289
Farmington, New Mexico 87499

ConocoPhillips
Three WestLake Park, WL 3003
Post Office Box 2197
Houston, Texas 77252

Moore Loyal Trust
403 N. Marienfield
Midland, Texas 79701

George William Umbach
Bank of Oklahoma, Agent
Attention: J. Mark Choplin
Post Office Box 3499
Tulsa, Oklahoma 74101

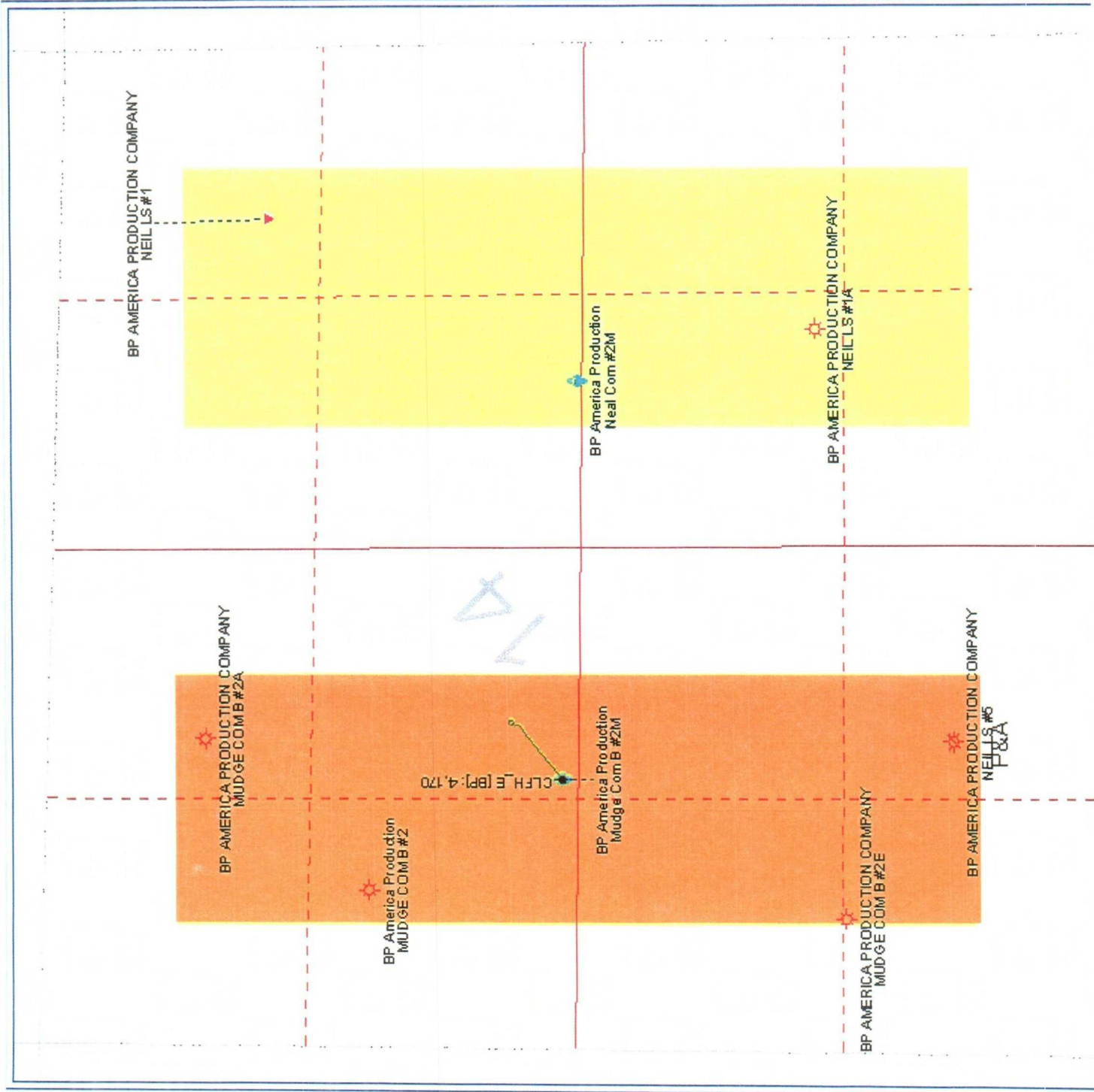
Robert Umbach Cancer Foundation
Bank of Oklahoma, Agent
Attention: Mark Choplin
Post Office Box 3499
Tulsa, Oklahoma 74101

CASE _____:

Application of BP America, Inc. for an exception to the well density requirements for the Blanco-Mesaverde Gas Pool, San Juan County, New Mexico. Applicant in the above-styled cause seeks an exception to the well density requirements of Rule I.B of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool to permit it to produce the following three Mesaverde wells located in the same quarter section (NW/4) on a standard spacing and proration unit comprised of the West half of Section 14, Township 31 North, Range 11 West, NMPM:

1. the Mudge Com B Well No. 2A (API No. 30-045-23063) located 800 feet from the North line and 1580 feet from the West line (Unit C) of said section;
2. the Mudge B Com Well No. 2 (API No. 30-045-24040) located 1660 feet from the North line and 810 feet from the West line (Unit E) of said section; and
3. The Mudge B Com Well No. 2M (API No. 30-045-31898) that was directionally drilled from a surface location 2370 feet from the North line and 1680 feet from the West line in the SE/4 NW/4 (Unit F) of Section 14 to a bottomhole location 2634 feet from the North line and 1392 feet from the West line of said section.

Said wells are located approximately 2 miles west of Canyon, New Mexico.



Blanco Field

Mudge Com B #2M

Section 19 T-31N R-11W



POSTED WELL DATA



WELL SYMBOLS

- Gas Well
- Plugged & Abandoned Gas Well
- MVRD HC sample
- Commingled HC sample

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
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

¹ API Number 30-045-31898	² Pool Code 71599 F 72319	³ Pool Name Babin Dakota & Blanco Mesa Verde
⁴ Property Code 000 908	⁵ Property Name Mudge Com B	⁶ Well Number # 2M
⁷ OGRID No. 000778	⁸ Operator Name BP AMERICA PRODUCTION COMPANY	⁹ Elevation 5989

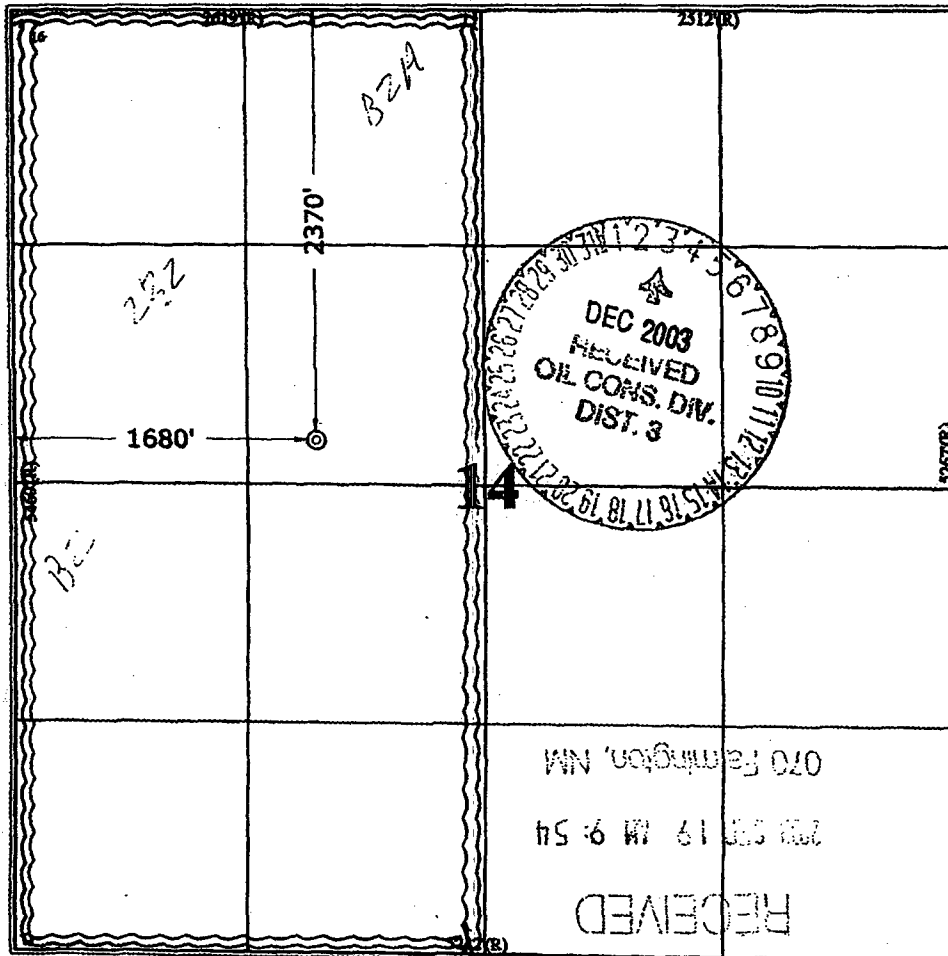
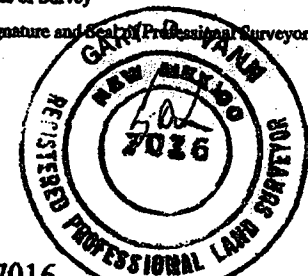
¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	31 N	11 W		2370	NORTH	1680	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹ UL or lot no.	² Section	³ Township	⁴ Range	⁵ Lot Idn	⁶ Feet from the	⁷ North/South line	⁸ Feet from the	⁹ East/West line	¹⁰ County
¹¹ Dedicated Acres 3.20	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ 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

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>Mary Cooley</i></p> <p>Printed Name: Mary Cooley</p> <p>Title: Sr. Regulatory Analyst</p> <p>Date: 09.15.2003</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>August 25, 2003</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p>  <p>7016 Certificate Number</p>
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

Case Serial No. SF - 078051

6. If Indian, Allottee or tribe Name

7. If Unit or CA Agreement, Name and No

1a. Type of Work: ☒ DRILL

1b. Type of Well: ☐ Oil Well ☒ Gas Well Gas ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No.
Mudge Com B 2M

2. Name of Operator
BP America Production Company Attn: Mary Corley

9. API Well No.
3004531898

3a. Address
P.O. Box 3092 Houston, Texas 77253

3b. Phone No. (include area code)
281-366-4491

10. Field and Pool, or Exploratory
Basin Dakota & Blanco Mesaverde

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 2370' FNL & 1680' FWL

At proposed prod. Zone

11. Sec., T., R., M., or Blk. and survey or Area

F Sec. 14, T31N, R11W

14. Distance in miles and direction from nearest town or post office*
7.5 miles from Aztec, NM

12. County or Parish
San Juan

13. State
New Mexico

15. Distance from proposed*
Location to nearest
Property or lease line, ft.
(Also to nearest drg. Ujnit line, if any) 960'

16. No. of Acres in lease
320

17. Spacing Unit dedicated to this well
320 W/2

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 980'

19. Proposed Depth
7263'

20. BLM/BIA Bond No. on file
WY2924

21. Elevations (show whether DF, KDB., RT, GL, etc.)
5989' GL

22. Approximate date work will start*
November 20, 2003

23. Estimated duration
7 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: *Mary Corley* Name (Printed/typed): Mary Corley Date: 09/17/2003

Title: Senior Regulatory Analyst

Approved: *David O. Markiewicz* Name (Printed/Typed): David O. Markiewicz Date: NOV 25 2003

Title: Office:

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct Operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, make 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.

*(Instructions on reverse)

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

HOLD C104 FOR Change in Status for the Mudge Com B #2 or #2A

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31898	² Pool Code 71599 72319	³ Pool Name Basin Dakota Blanco Mesaverde
⁴ Property Code 000908	⁵ Property Name Mudge Com B	⁶ Well Number 2M
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5989'

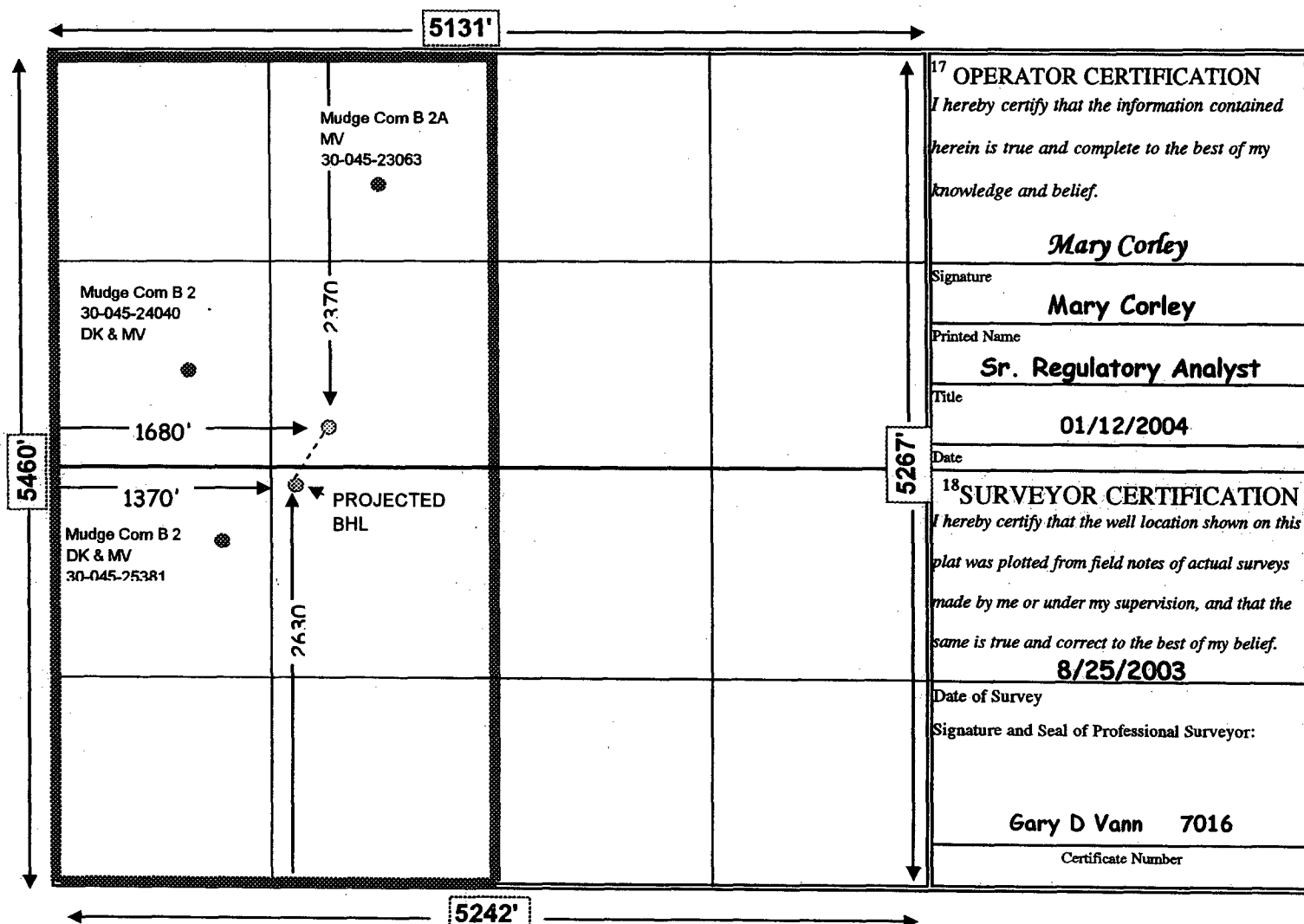
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit F	14	31N	11W		2370'	North	1680'	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
Unit K	14	31N	11W		2630'	South	1370'	West	San Juan

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078051
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM76070
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.9700		8. Well Name and No. MUDGE COM B 2M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T31N R11W SENW 2370FNL 1680FWL		9. API Well No. 30-045-31898-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA BLANCO MESAVERDE
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE/REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recombine
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Change to Original APD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Original APD filed on 09/17/2003, was approved on 11/25/2003.

BP America submits for your approval our intent to directionally drill the subject well from the above stated surface location to a bottom hole location of:
2630' FSL & 1370' FWL of Section 14, T31N, R11W.

In support of our application please find attached amending drilling and completion program, cementing report, Form C-102 with SHL & BHL indicated, proposed directional plot and directional profile.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. Thereby certify that the foregoing is true and correct. Electronic Submission #26835 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by ADRIENNE GARCIA on 01/21/2004 (04AXG0207SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 01/14/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Original Signed: Stephen Mason	Title	Date JAN 23 2004
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

HOLD C104 FOR Directional Survey

NMOCD

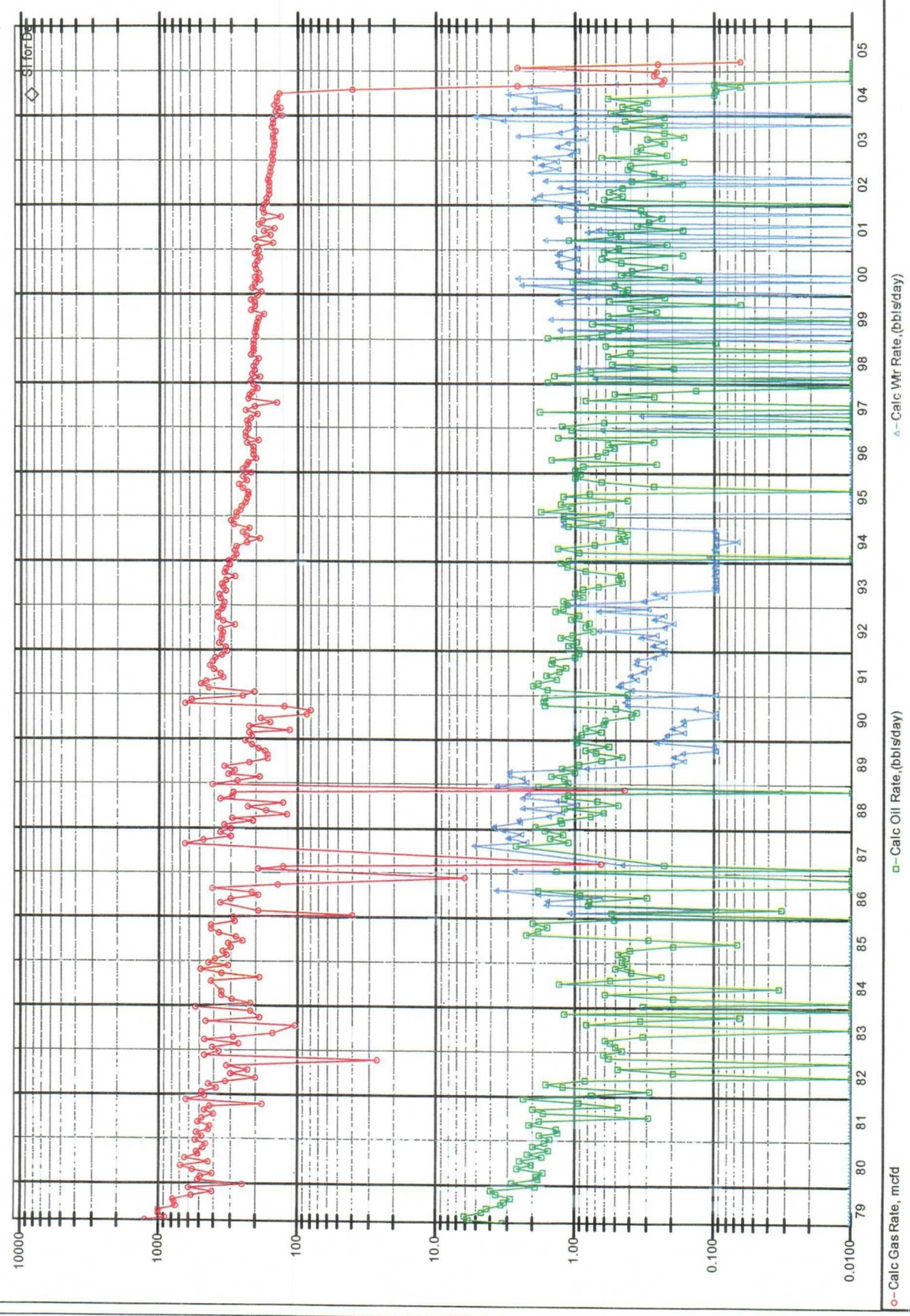
(NEIL 5-A) MUDGE COM B #2A

API:300452306300
SECT:14
WELL:NEIL 5-A
OPERATOR:BP AMERICA PRODUCTION COMPANY

TWN:31
RNG:11

PDEN:20261
SPUD Date:10/19/1978
Comp. Date:1/3/1979

HORIZON:804MVRD
Cum Gas (mmcf):2555.328
Cum Oil (mbbls):8.036
Cum Water (mbbls):5.095

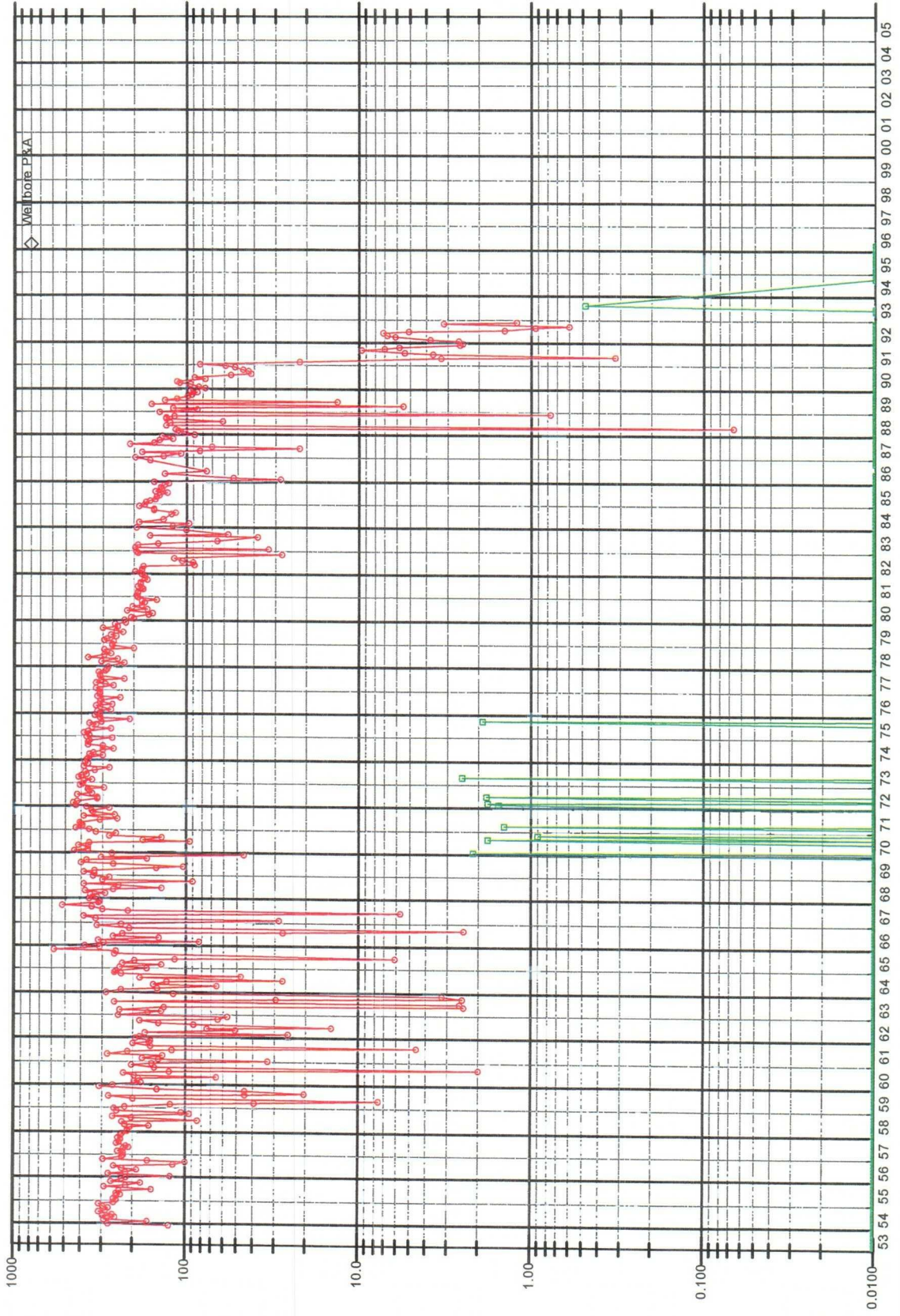


NEIL LS 5

API:300451065300
 SECT:14 TWN:31 RNG:11
 WELL:NEIL LS 5
 OPERATOR:AMOCO PETROLEUM

PDEN:16318
 SPUD Date:8/5/1953
 Comp. Date:3/10/1993

HORIZON:604MVRD
 Cum Gas (mmcf):2799.403
 Cum Oil (mbbls):0.493
 Cum Water (mbbls):



Calc Gas Rate, mcf/d

Calc Oil Rate, (bbls/day)

Calc Wtr Rate, (bbls/day)

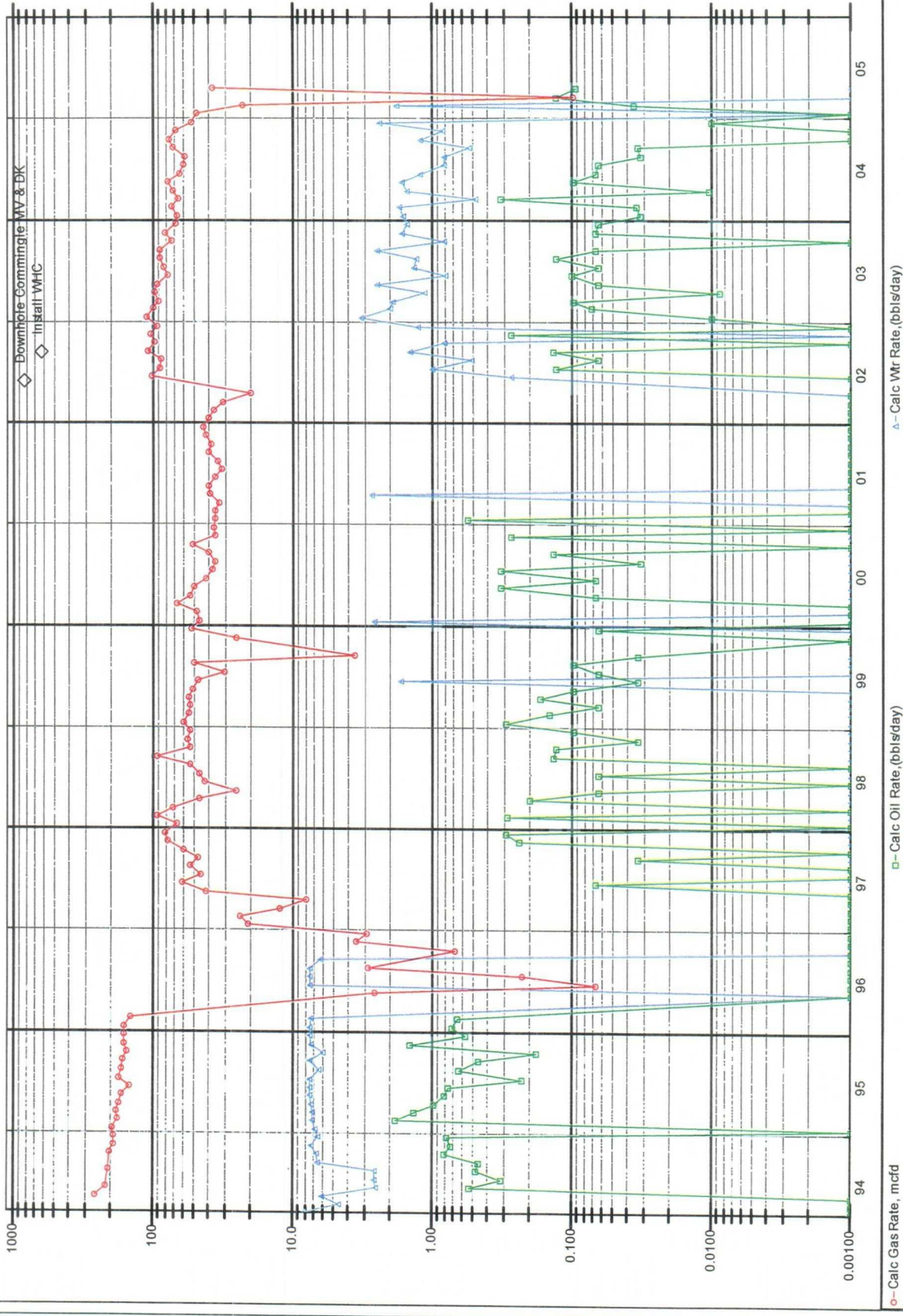
VS Time

MUDGE COM B 2E

API:300452538100
 SECT:14 TWN:31
 WELL:MUDGE COM B 2E
 OPERATOR:BP AMERICA PRODUCTION COMPANY

PDEN:22491
 SPUD Date:5/28/1982
 Comp. Date:7/27/1993

HORIZON:604MVRD
 Cum Gas (mmcf):295.637
 Cum Oil (mmbbls):0.747
 Cum Water (mmbbls):7.209



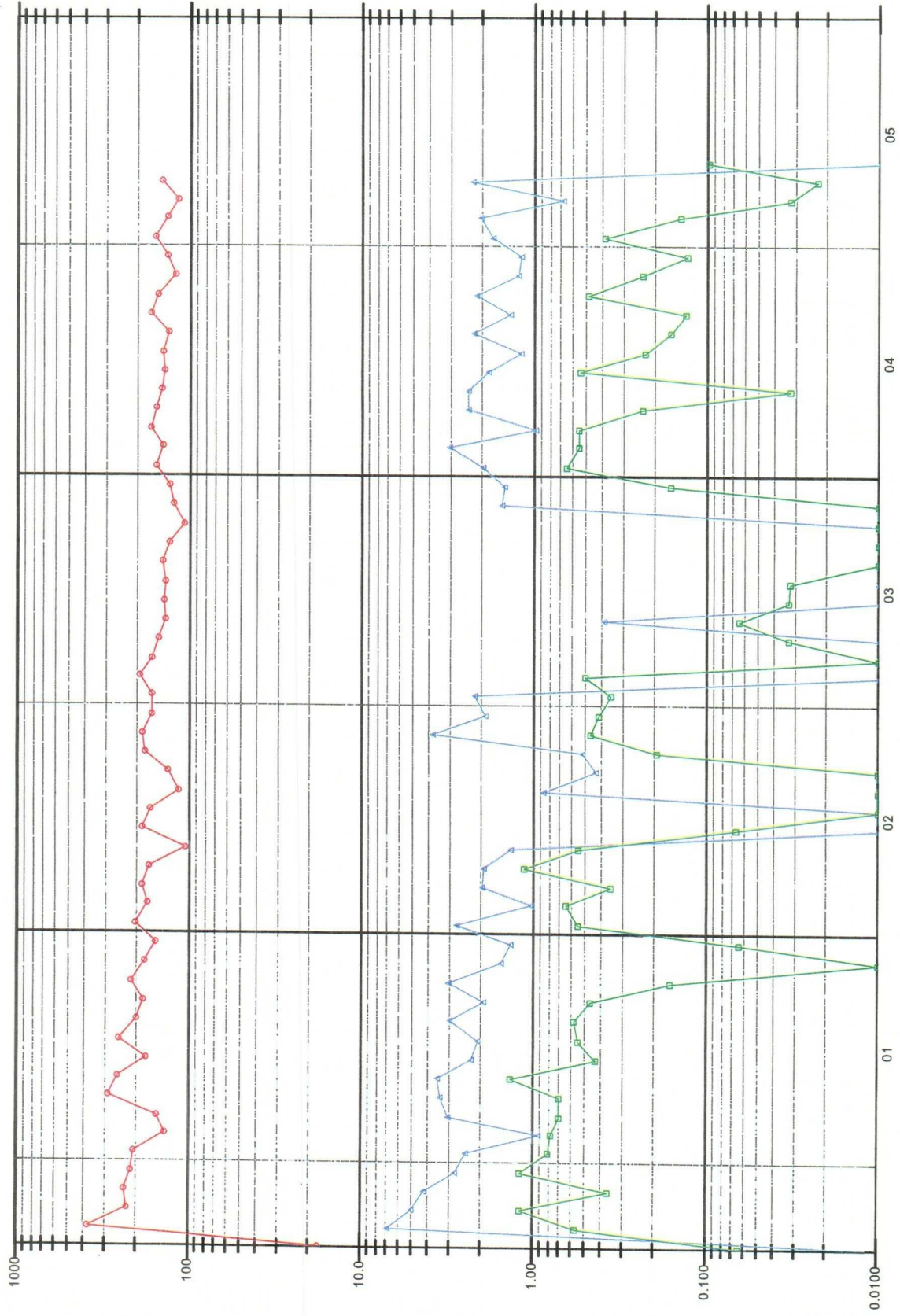
MUDGE COM B 2

API:300452404000
 SECT:14
 WELL:MUDGE COM B 2
 OPERATOR:BP AMERICA PRODUCTION COMPANY

TWN:31
 RNG:11

PDEN:999786
 SPUD Date:
 Comp. Date:8/17/2000

HORIZON:504MVRD
 Cum Gas (mmcf):287.929
 Cum Oil (mbbls):0.612
 Cum Water (mbbls):3.004



o- Calc Gas Rate, mcf/d

■- Calc Oil Rate, (bbls/day)

▲- Calc Wtr Rate, (bbls/day)

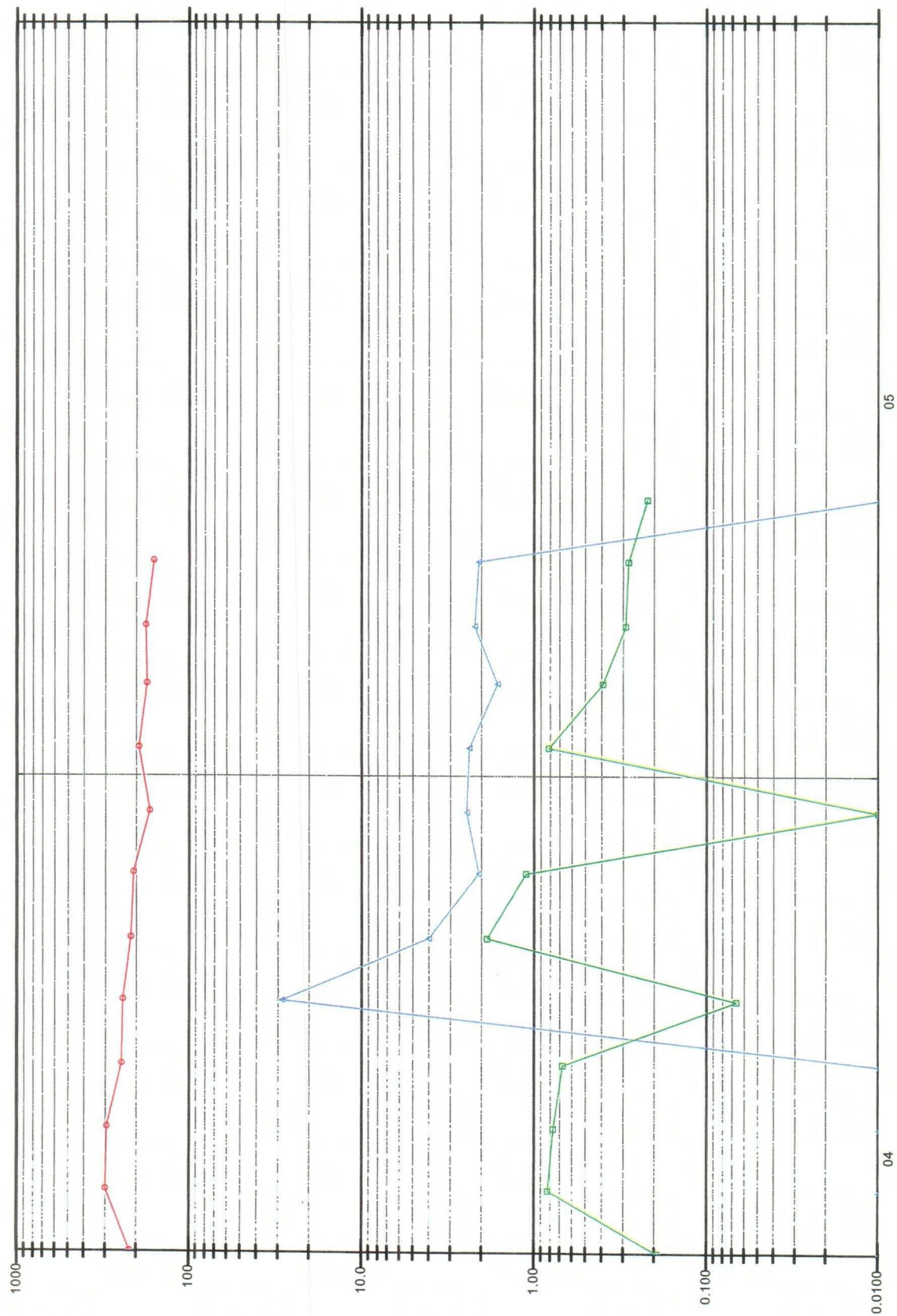
VS Time

MUDGE COM B 2M

API:300453189800
 SECT:14 TWN:31 RNG:11
 WELL:MUDGE COM B 2M
 OPERATOR:BP AMERICA PRODTN CO

HORIZON:804MVRD
 Cum Gas (mmcf):78.756
 Cum Oil (mbbls):0.229
 Cum Water (mbbls):1.368

PDEN:598503
 SPUD Date:3/5/2004
 Comp. Date:4/30/2004



o- Calc Gas Rate, mmcf

□- Calc Oil Rate, (bbls/day)

△- Calc Wtr Rate, (bbls/day)

VS Time