

DATE IN 8.22.11	SUSPENSE	ENGINEER WWT	LOGGED IN 8.22.11	TYPE DHC	APP NO. 1123438454
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



HARDIE E 1A
(RECOMPLETION)
RECEIVED OGD

2011 AUG 18 P 11:56

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply COMMON INTEREST

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☐ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

- [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

- [4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

DOLLIE L. BUSSE
Print or Type Name

Dollie L. Busse
Signature

STAFF REGULATORY TECH 8-17-11
Title Date

dollie.l.busse@conocophillips.com
e-mail Address
505-324-6104

District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
X Single Well
____ Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes ____ No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company LP P.O. Box 4289 Farmington, NM 87499
Operator Address

Hardie E 1A Unit I, Sec. 16, 028N, 008W San Juan
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No: 14538 Property Code 14538 API No. 300452372000000 Lease Type: X Federal ____ State ____ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BASIN FRUITLAND COAL	OTERO CHACRA (GAS)	BLANCO MESAVERDE
Pool Code	71629	82329	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2050'-2250' estimate	3274'-3700'	3970'-4904'
Method of Production (Flowing or Artificial Lift)	New Zone	Flowing	Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	981 psi	678 psi	678 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1000	BTU 1000	BTU 1000
Producing, Shut-In or New Zone	New Zone	New Zone	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: N/A Rates:	Date: Feb 2011 Rates: 1417 mcf	Date: Feb 2011 Rates: 1956 mcf
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Will be supplied upon completion	Oil Gas Will be supplied upon completion	Oil Gas Will be supplied upon completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No ____
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ____ No ____

Are all produced fluids from all commingled zones compatible with each other? Yes X No ____

Will commingling decrease the value of production? Yes ____ No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application? Yes X No ____

NMOCD Reference Case No. applicable to this well: _____

Attachments:

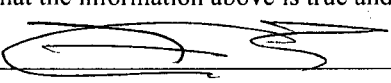
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE  TITLE Engineer DATE 8/12/11
TYPE OR PRINT NAME Bill Akwari, Engineer TELEPHONE NO. (505) 326-9700
E-MAIL ADDRESS Bill.N.Akwari@conocophillips.com

Hardie E 1A
Unit 1, Section 16, T28N, R08W

The Hardie E 1A is a Fruitland Coal, Chacra and Mesaverde commingle. Production for the downhole commingle will be allocated using the subtraction method. The base formation includes Chacra & Mesaverde and the added formation to be commingled is the Fruitland Coal. The subtraction method applies an average monthly production forecast to the base formation(s) using historic production. All production from this well exceeding the forecast will be allocated to the new formation(s). A fixed percentage based allocation will be submitted after the fourth year of production. All documentation will be submitted to the Aztec NMOCD office.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 134034

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-23720	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)	
4. Property Code 7089	5. Property Name HARDIE E		6. Well No. 001A
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		9. Elevation 5860

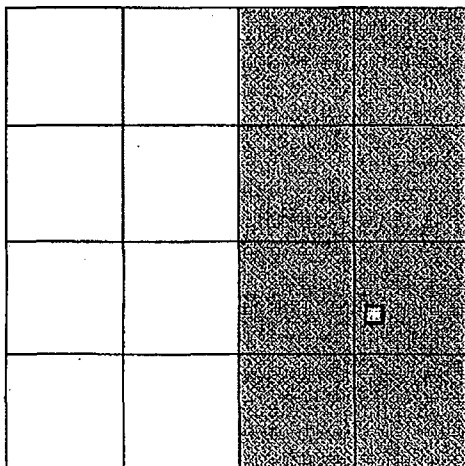
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	16	28N	08W		1800	S	1110	E	SAN JUAN

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00		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

**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By:

Title: **Staff Regulatory Tech**Date: **July 14, 2011****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.

Surveyed By: **Frank Kerr**Date of Survey: **6/14/1979**Certificate Number: **3950**

District I
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1000 Rio Brazos Rd., Aztec, NM 87410
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State of New Mexico
Energy, Minerals and Natural Resources

Form C-102

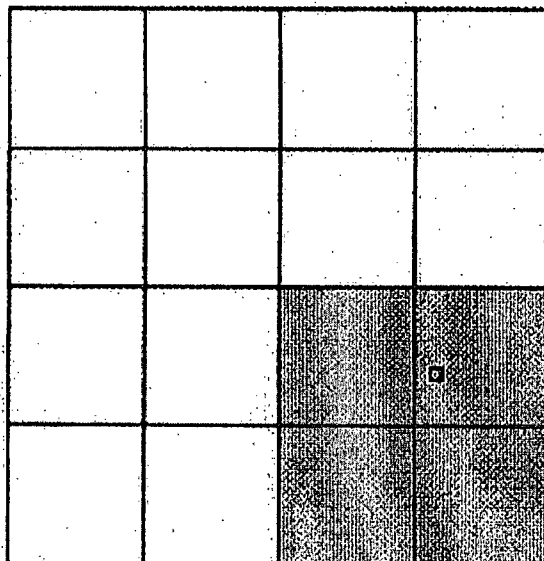
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-23720	Pool Name OTERO CHACRA (GAS)	Pool Code 82329
Property Code 7089	Property Name HARDIE E	Well No. 001A
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 5860

Surface And Bottom Hole Location

UL or Lot 1	Section 16	Township 28N	Range 08W	Lot Idn	Feet From 1800	N/S Line S	Feet From 1110	E/W Line E	County San Juan
Dedicated Acres 160		Joint or Infill		Consolidation Code		Order No.			



OPERATOR CERTIFICATION

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

Electronically Signed By: *Jerry Cull*

Title:

Date: 1-7-03

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.

Electronically Signed By: Fred Kerr

Date of Survey: 6/14/1979

Certificate Number: 3950

All distances must be from the outer boundaries of the Section.

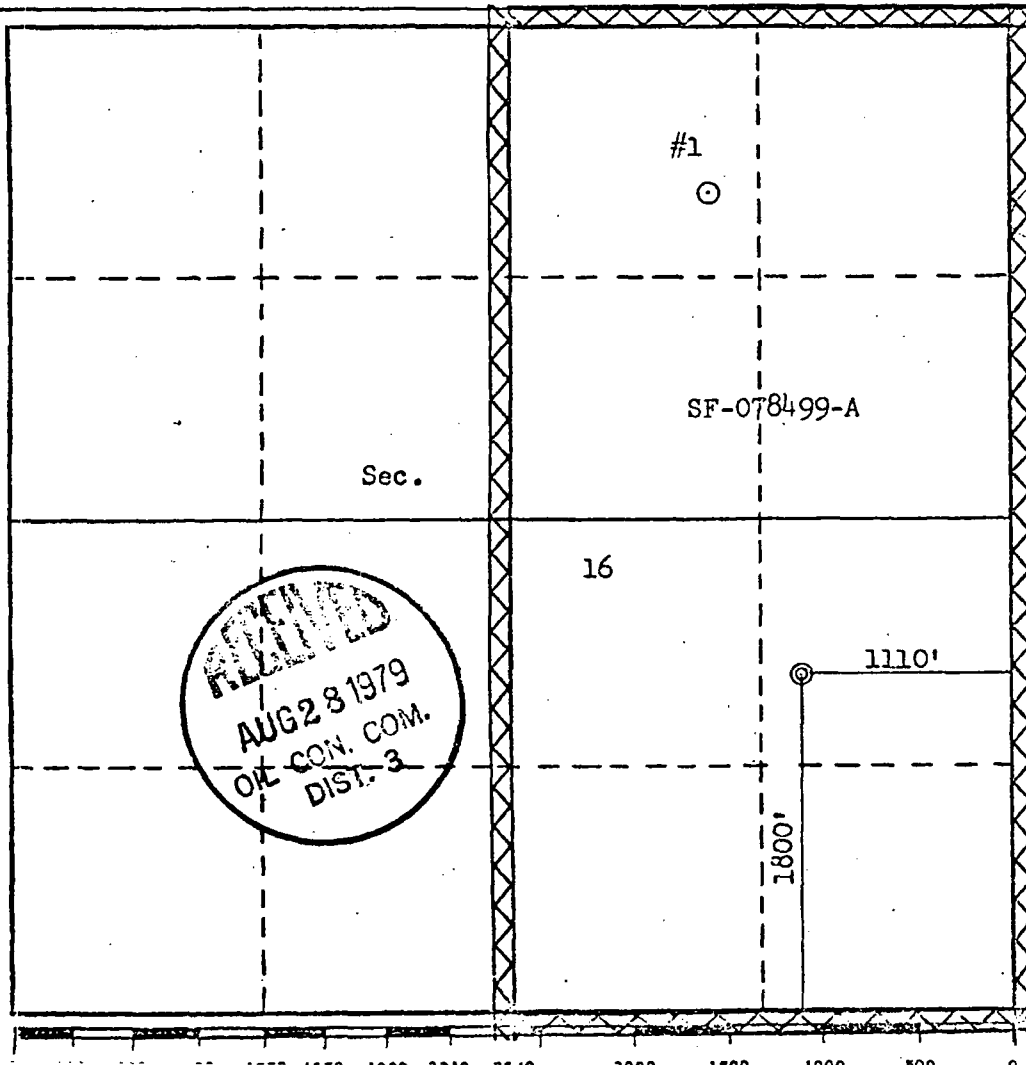
Operator EL PASO NATURAL GAS COMPANY			Lease HARDIE "E" (SF-078499-A)		Well No. 1A
Unit Letter I	Section 16	Township 28N	Range 8W	County San Juan	
Actual Footage Location of Well: 1800 feet from the South line and 1110' feet from the East line					
Ground Level Elev. 5860	Producing Formation Mesa Verde		Pool Blanco Mesa Verde ✓	Dedicated Acreage: 320.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name _____
Drilling Clerk
Position
El Paso Natural Gas Co.
Company
August 13, 1979
Date

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 knowledge and belief.

Date Surveyed
June 11, 1979
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. 3950

Summary Production Report

Lease Name:	HARDIE E		
Lease Number:	MULTIPLE	Cum Oil:	93
Operator Name:	BURLINGTON RESOURCES O&G	Cum Gas:	153,927
State:	NEW MEXICO	Cum Water:	10
County:	SAN JUAN	First Production Date:	APR 2003
Field:	OTERO	Last Production Date:	FEB 2011
Production ID:	SUM0430452372082329		
Reservoir Name:	CHACRA		
Prod Zone:	CHACRA		
Basin Name:	SAN JUAN BASIN		
Status:	ACTIVE GAS		

Annual Production	(9 years)		
Year	Oil BBLs	Gas MCF	Water BBLs
Beginning Cum:			
2003	49	22,512	
2004	44	26,263	10
2005		20,868	
2006		19,672	
2007		17,167	
2008		15,958	
2009		14,758	
2010		13,753	
2011		2,976	
Totals:	93	153,927	10

Monthly Production					
Date MO/YR	Oil BBLs	Gas MCF	Water BBLs	# of Wells	Days on
APR 2003	5	1,663		1	14
MAY 2003	6	3,086		1	31
JUN 2003	6	2,585		1	30
JUL 2003	5	2,701		1	31
AUG 2003	6	2,636		1	31
SEP 2003	5	2,453		1	30
OCT 2003	10	2,533		1	31
NOV 2003	5	2,409		1	30
DEC 2003	1	2,446		1	31
Totals:					
2003	49	22,512			
JAN 2004	12	2,496		1	31
FEB 2004	6	2,266		1	29

MAR 2004	8	2,504		1	31
APR 2004	5	2,324	2	1	30
MAY 2004	1	2,359	8	1	31
JUN 2004	6	1,813		1	30
JUL 2004	6	1,663		1	31
AUG 2004		2,681		1	31
SEP 2004		2,118		1	30
OCT 2004		2,084		1	31
NOV 2004		2,012		1	30
DEC 2004		1,943		1	31
Totals:					
2004	44	26,263	10		
JAN 2005		1,963		1	31
FEB 2005		1,739		1	28
MAR 2005		1,811		1	31
APR 2005		1,689		1	30
MAY 2005		1,756		1	31
JUN 2005		1,390		1	23
JUL 2005		1,770		1	31
AUG 2005		1,643		1	26
SEP 2005		1,796		1	30
OCT 2005		1,750		1	31
NOV 2005		1,541		1	30
DEC 2005		2,020		1	31
Totals:					
2005		20,868			
JAN 2006		1,632		1	31
FEB 2006		1,636		1	28
MAR 2006		1,759		1	31
APR 2006		1,631		1	30
MAY 2006		1,692		1	31
JUN 2006		1,514		1	30
JUL 2006		1,622		1	31
AUG 2006		1,634		1	31
SEP 2006		1,564		1	30
OCT 2006		1,605		1	31
NOV 2006		1,719		1	30
DEC 2006		1,664		1	31
Totals:					
2006		19,672			
JAN 2007		1,584		1	31
FEB 2007		1,426		1	28
MAR 2007		1,489		1	31
APR 2007		1,430		1	30
MAY 2007		1,457		1	31
JUN 2007		1,463		1	30
JUL 2007		1,460		1	31
AUG 2007		1,439		1	31
SEP 2007		1,486		1	30
OCT 2007		1,582		1	31
NOV 2007		761		1	30
DEC 2007		1,590		1	31
Totals:					
2007		17,167			

JAN 2008	1,566	1	31
FEB 2008	1,476	1	29
MAR 2008	1,241	1	31
APR 2008	1,270	1	30
MAY 2008	1,325	1	31
JUN 2008	612	1	30
JUL 2008	1,549	1	31
AUG 2008	1,423	1	31
SEP 2008	1,327	1	30
OCT 2008	1,408	1	31
NOV 2008	1,340	1	30
DEC 2008	1,421	1	31
Totals: 2008	<u>15,958</u>		
JAN 2009	1,423	1	31
FEB 2009	1,151	1	28
MAR 2009	1,296	1	31
APR 2009	1,338	1	30
MAY 2009	1,253	1	31
JUN 2009	1,217	1	30
JUL 2009	1,258	1	31
AUG 2009	1,280	1	31
SEP 2009	1,103	1	30
OCT 2009	1,051	1	31
NOV 2009	1,076	1	30
DEC 2009	1,312	1	31
Totals: 2009	<u>14,758</u>		
JAN 2010	1,323	1	31
FEB 2010	913	1	28
MAR 2010	1,363	1	31
APR 2010	919	1	30
MAY 2010	788	1	31
JUN 2010	792	1	30
JUL 2010	1,253	1	31
AUG 2010	1,312	1	31
SEP 2010	1,291	1	30
OCT 2010	1,169	1	31
NOV 2010	1,196	1	30
DEC 2010	1,434	1	31
Totals: 2010	<u>13,753</u>		
JAN 2011	1,559	1	31
FEB 2011	1,417	1	28
Totals: 2011	<u>2,976</u>		

Summary Production Report

Lease Name:	HARDIE E		
Lease Number:	007089	Cum Oil:	9,977
Operator Name:	BURLINGTON RESOURCES O&G	Cum Gas:	1,525,599
State:	NEW MEXICO	Cum Water:	9,046
County:	SAN JUAN	First Production Date:	APR 1980
Field:	BLANCO	Last Production Date:	FEB 2011
Production ID:	SUM0430452372072319		
Reservoir Name:	MESAVERDE		
Prod Zone:	MESAVERDE		
Basin Name:	SAN JUAN BASIN		
Status:	ACTIVE GAS		

Annual Production

(32 years)

Year	Oil BBLs	Gas MCF	Water BBLs
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Beginning

Cum:

1980	1,065	150,210	
1981	1,239	102,245	
1982	552	78,907	
1983	384	51,350	
1984	604	64,740	
1985	482	58,320	
1986	557	72,392	60
1987	393	56,136	201
1988	389	55,735	252
1989	447	52,999	566
1990	390	78,266	839
1991	224	29,964	322
1992	69	16,051	172
1993	222	43,574	465
1994	277	42,563	455
1995	301	36,869	395
1996	338	47,176	506
1997	255	39,977	429
1998	328	45,923	496
1999	310	57,064	591
2000	142	51,626	541
2001	224	45,243	562
2002	189	39,888	446
2003	95	31,852	335
2004	60	30,548	428
2005	23	29,219	497
2006	28	27,547	429
2007	62	23,700	59
2008	194	22,033	
2009	78	20,381	
2010	24	18,991	
2011	32	4,110	

Totals:

9,977

1,525,599

9,046

Monthly Production

Date MO/YR	Oil BBLS	Gas MCF	Water BBLS	# of Wells	Days on
APR 1980		6,059		1	
MAY 1980	314	34,991		1	31
JUN 1980	69	19,015		1	23
JUL 1980	132	17,898		1	31
AUG 1980	129	16,086		1	31
SEP 1980	121	15,438		1	30
OCT 1980	129	17,180		1	31
NOV 1980	81	11,968		1	24
DEC 1980	90	11,575		1	31
Totals: 1980	1,065	150,210			
JAN 1981	94	12,189		1	31
FEB 1981	61	7,282		1	28
MAR 1981	53	8,436		1	31
APR 1981	581	8,879		1	30
MAY 1981	29	3,571		1	16
JUN 1981	27	7,473		1	19
JUL 1981		11,021		1	31
AUG 1981	84	9,544		1	31
SEP 1981	71	8,187		1	30
OCT 1981	68	8,499		1	31
NOV 1981	92	8,765		1	30
DEC 1981	79	8,399		1	31
Totals: 1981	1,239	102,245			
JAN 1982	97	8,299		1	31
FEB 1982	45	6,193		1	20
MAR 1982	83	7,406		1	23
APR 1982	61	5,932		1	30
MAY 1982	41	5,612		1	24
JUN 1982		11,754		1	30
JUL 1982	45	7,102		1	23
AUG 1982	69	7,822		1	28
SEP 1982	20	4,105		1	8
OCT 1982	30	1,855		1	4
NOV 1982				1	
DEC 1982	61	12,827		1	21
Totals: 1982	552	78,907			
JAN 1983	44	9,006		1	27
FEB 1983	30			1	
MAR 1983	1	4,458		1	7
APR 1983	48	3,029		1	11
MAY 1983	1	884		1	3

JUN 1983	3	711		1	1
JUL 1983	13	3,751		1	8
AUG 1983	45	7,281		1	31
SEP 1983	5	966		1	3
OCT 1983	10	5,547		1	8
NOV 1983	47	5,252		1	8
DEC 1983	137	10,465		1	23
Totals:					
1983	384	51,350			
JAN 1984	27			1	
FEB 1984				1	
MAR 1984	6	1,549		1	4
APR 1984	13	5,016		1	9
MAY 1984	131	11,284		1	31
JUN 1984	57	6,889		1	21
JUL 1984				1	
AUG 1984	67	10,108		1	22
SEP 1984	44	4,826		1	10
OCT 1984	30	6,815		1	13
NOV 1984	107	9,163		1	22
DEC 1984	122	9,090		1	30
Totals:					
1984	604	64,740			
JAN 1985	65	6,976		1	31
FEB 1985	71	5,504		1	18
MAR 1985	6	6,036		1	13
APR 1985	91	5,947		1	30
MAY 1985	38	6,972		1	31
JUN 1985	42	3,829		1	26
JUL 1985	31	6,205		1	19
AUG 1985	19	4,477		1	20
SEP 1985	30	3,023		1	9
OCT 1985				1	
NOV 1985		3,306		1	5
DEC 1985	89	6,045		1	27
Totals:					
1985	482	58,320			
JAN 1986	86	7,499		1	28
FEB 1986	60	5,864		1	28
MAR 1986	54	6,038		1	13
APR 1986	52	5,529		1	30
MAY 1986	46	7,523		1	31
JUN 1986	38	5,499		1	30
JUL 1986	30	6,831		1	31
AUG 1986	39	6,411		1	24
SEP 1986	54	6,422		1	29
OCT 1986	74	7,905	24	1	31
NOV 1986	23	2,667	11	1	30
DEC 1986	1	4,204	25	1	22
Totals:					
1986	557	72,392	60		
JAN 1987	40	4,463	22	1	31
FEB 1987	42	4,367	15	1	28

MAR 1987	29	5,103	18	1	30
APR 1987	23	5,270	17	1	30
MAY 1987	29	4,967	18	1	31
JUN 1987	59	4,243	16	1	21
JUL 1987	41	7,684	25	1	31
AUG 1987		3,895	15	1	31
SEP 1987	45	4,396	13	1	30
OCT 1987	27	3,635	16	1	27
NOV 1987		4,046	15	1	23
DEC 1987	58	4,067	11	1	31

Totals:

1987	393	56,136	201
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JAN 1988	73	5,948	31	1	31
FEB 1988	17	5,551	23	1	29
MAR 1988	46	3,853	13	1	31
APR 1988	13	3,443	16	1	14
MAY 1988	17	4,392	26	1	31
JUN 1988	70	4,073	14	1	24
JUL 1988		1,911	4	1	10
AUG 1988	31	6,226	21	1	26
SEP 1988	29	5,572	31	1	15
OCT 1988	42	5,095	22	1	21
NOV 1988	19	4,845	26	1	30
DEC 1988	32	4,826	25	1	31

Totals:

1988	389	55,735	252
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JAN 1989	40	4,509	48	1	31
FEB 1989	37	5,692	61	1	28
MAR 1989	46	6,467	69	1	31
APR 1989	108	5,085	55	1	30
MAY 1989		5,997	64	1	31
JUN 1989	46	5,148	55	1	30
JUL 1989	19	3,403	36	1	31
AUG 1989	5	1,997	21	1	31
SEP 1989	84	4,616	49	1	30
OCT 1989		4,357	47	1	31
NOV 1989	23	2,521	27	1	30
DEC 1989	39	3,207	34	1	31

Totals:

1989	447	52,999	566
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JAN 1990	31	8,142	87	1	31
FEB 1990	57	6,214	67	1	21
MAR 1990	41	6,672	72	1	28
APR 1990	38	9,155	98	1	30
MAY 1990	39	6,492	70	1	28
JUN 1990	26	5,173	55	1	27
JUL 1990	35	7,864	84	1	24
AUG 1990	34	6,088	65	1	28
SEP 1990	41	6,734	72	1	22
OCT 1990	15	5,848	63	1	23
NOV 1990	26	6,077	65	1	23
DEC 1990	7	3,807	41	1	16

Totals:

1990	390	78,266	839
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JAN 1991	53	6,168	66	1	26
FEB 1991	42	5,553	60	1	22
MAR 1991	22	2,641	28	1	23
APR 1991				1	
MAY 1991				1	
JUN 1991	2	894	10	1	5
JUL 1991		642	7	1	3
AUG 1991		2,692	29	1	5
SEP 1991	101	11,183	120	1	30
OCT 1991	4	191	2	1	2
NOV 1991				1	
DEC 1991				1	
Totals:					
1991	224	29,964	322		
JAN 1992				1	
FEB 1992				1	
MAR 1992				1	
APR 1992				1	
MAY 1992				1	
JUN 1992				1	
JUL 1992				1	
AUG 1992				1	
SEP 1992	15	6,153	66	1	30
OCT 1992	7	4,317	46	1	31
NOV 1992	27	3,406	37	1	30
DEC 1992	20	2,175	23	1	31
Totals:					
1992	69	16,051	172		
JAN 1993		1,951	21	1	31
FEB 1993	29	4,344	47	1	28
MAR 1993	22	3,569	38	1	31
APR 1993	20	2,253	24	1	24
MAY 1993	34	6,185	63	1	31
JUN 1993	14	3,728	40	1	27
JUL 1993	32	3,124	34	1	21
AUG 1993	8	2,225	24	1	31
SEP 1993		2,217	24	1	30
OCT 1993	34	4,532	49	1	31
NOV 1993	13	4,000	43	1	23
DEC 1993	16	5,446	58	1	31
Totals:					
1993	222	43,574	465		
JAN 1994	34	4,953	53	1	31
FEB 1994	15	2,467	26	1	23
MAR 1994	20	3,950	42	1	31
APR 1994	28	3,115	33	1	30
MAY 1994	3	3,126	34	1	31
JUN 1994	14	2,081	22	1	12
JUL 1994	7	4,327	46	1	31
AUG 1994	36	3,729	40	1	31
SEP 1994	24	3,550	38	1	30
OCT 1994	52	5,220	56	1	31
NOV 1994	28	4,066	44	1	30

DEC 1994	16	1,979	21	1	31
Totals:					
1994	277	42,563	455		
JAN 1995	17	3,382	36	1	24
FEB 1995	37	2,676	29	1	28
MAR 1995	14	2,404	26	1	31
APR 1995	37	2,812	30	1	25
MAY 1995	5	1,399	15	1	22
JUN 1995	13	2,558	27	1	27
JUL 1995	1	1,795	19	1	31
AUG 1995	27	3,871	41	1	31
SEP 1995	23	3,042	33	1	30
OCT 1995	20	3,022	32	1	25
NOV 1995	64	6,307	68	1	30
DEC 1995	43	3,601	39	1	31
Totals:					
1995	301	36,869	395		
JAN 1996	19	5,204	56	1	31
FEB 1996	19	3,822	41	1	29
MAR 1996	41	4,598	49	1	31
APR 1996	32	4,290	46	1	30
MAY 1996	32	3,525	38	1	31
JUN 1996	26	3,565	38	1	26
JUL 1996	37	1,952	21	1	31
AUG 1996	16	4,810	52	1	31
SEP 1996	26	3,859	41	1	30
OCT 1996	26	3,271	35	1	31
NOV 1996	43	4,485	48	1	30
DEC 1996	21	3,795	41	1	31
Totals:					
1996	338	47,176	506		
JAN 1997	25	2,495	27	1	31
FEB 1997	19	3,620	39	1	28
MAR 1997	34	3,648	39	1	31
APR 1997	8	3,460	37	1	30
MAY 1997	26	3,140	34	1	31
JUN 1997	25	2,919	31	1	26
JUL 1997	15	3,488	37	1	31
AUG 1997	25	3,044	33	1	31
SEP 1997	1	3,369	36	1	30
OCT 1997	25	3,837	41	1	31
NOV 1997	32	3,315	36	1	30
DEC 1997	20	3,642	39	1	31
Totals:					
1997	255	39,977	429		
JAN 1998	39	3,452	37	1	31
FEB 1998	16	2,766	30	1	28
MAR 1998	13	2,451	26	1	31
APR 1998	7	3,912	42	1	30
MAY 1998	44	3,068	33	1	27
JUN 1998	44	3,793	41	1	30
JUL 1998	8	3,932	42	1	31
AUG 1998	8	2,677	29	1	31

SEP 1998	35	4,949	53	1	30
OCT 1998	5	5,251	56	1	31
NOV 1998	28	4,630	54	1	30
DEC 1998	81	5,042	53	1	31
Totals:					
1998	328	45,923	496		
JAN 1999	12	5,251	55	1	31
FEB 1999	46	3,366	35	1	28
MAR 1999	29	3,541	37	1	31
APR 1999	28	4,755	50	1	30
MAY 1999	39	4,862	51	1	23
JUN 1999	37	4,974	52	1	30
JUL 1999	3	5,189	55	1	31
AUG 1999	15	5,132	54	1	31
SEP 1999	32	4,837	51	1	30
OCT 1999	27	4,763	50	1	31
NOV 1999	37	5,002	53	1	30
DEC 1999	5	5,392	48	1	31
Totals:					
1999	310	57,064	591		
JAN 2000	2	6,877	56	1	31
FEB 2000	32	5,680	43	1	29
MAR 2000	1	4,255	45	1	31
APR 2000	12	3,185	52	1	30
MAY 2000	17	3,912	41	1	31
JUN 2000	23	3,410	36	1	30
JUL 2000	21	4,215	44	1	31
AUG 2000	8	4,223	44	1	31
SEP 2000		4,084	43	1	30
OCT 2000		4,011	42	1	31
NOV 2000	1	3,837	54	1	30
DEC 2000	25	3,937	41	1	31
Totals:					
2000	142	51,626	541		
JAN 2001	45	3,999	42	1	31
FEB 2001	5	3,797	47	1	28
MAR 2001	6	4,299	45	1	31
APR 2001	70	3,968	42	1	30
MAY 2001	17	4,209	61	1	31
JUN 2001	9	3,372	49	1	27
JUL 2001		3,861	63	1	31
AUG 2001	5	3,811	53	1	31
SEP 2001	20	3,736	49	1	30
OCT 2001	11	3,642	42	1	31
NOV 2001	19	3,395	36	1	30
DEC 2001	17	3,154	33	1	31
Totals:					
2001	224	45,243	562		
JAN 2002	19	3,573	38	1	31
FEB 2002	16	3,373	35	1	28
MAR 2002	16	3,646	44	1	31
APR 2002	17	3,473	40	1	30
MAY 2002	29	3,567	37	1	31

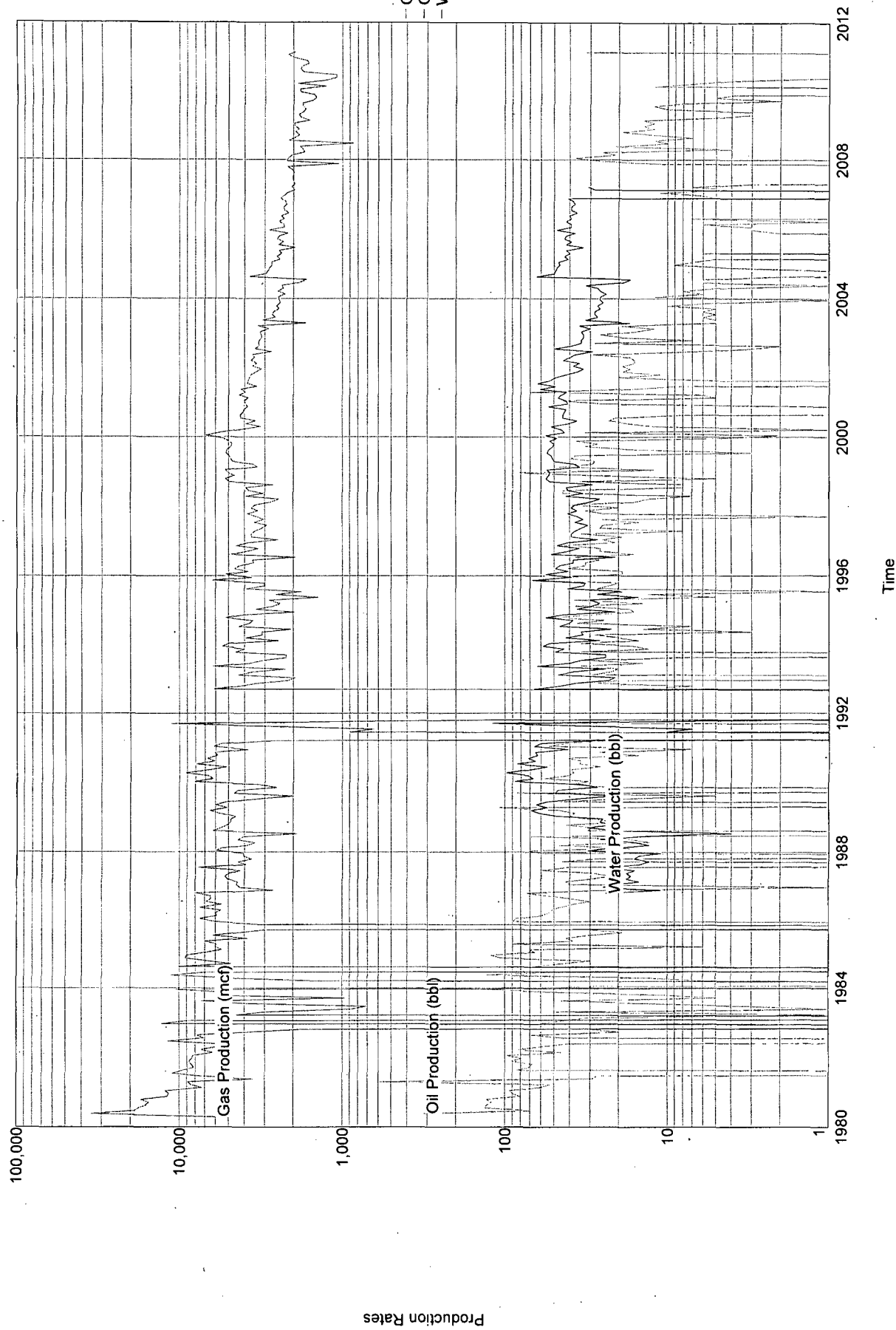
JUN 2002	7	2,734	29	1	27
JUL 2002	3	3,452	50	1	31
AUG 2002	2	3,246	39	1	31
SEP 2002	28	3,277	34	1	30
OCT 2002	7	3,252	34	1	31
NOV 2002	19	3,127	33	1	30
DEC 2002	26	3,168	33	1	31
Totals:					
2002	189	39,888	446		
JAN 2003	16	3,204	34	1	31
FEB 2003	12	2,832	30	1	28
MAR 2003	19	3,305	35	1	31
APR 2003	5	1,663	17	1	17
MAY 2003	5	3,085	32	1	31
JUN 2003	6	2,585	27	1	30
JUL 2003	5	2,701	28	1	31
AUG 2003	6	2,636	28	1	31
SEP 2003	5	2,453	26	1	30
OCT 2003	10	2,533	27	1	31
NOV 2003	5	2,409	25	1	30
DEC 2003	1	2,446	26	1	31
Totals:					
2003	95	31,852	335		
JAN 2004	12	2,496	26	1	31
FEB 2004	6	2,266	24	1	29
MAR 2004	8	2,504	26	1	31
APR 2004	5	2,324	27	1	30
MAY 2004	1	2,359	32	1	31
JUN 2004	6	1,843	19	1	30
JUL 2004	6	1,663	17	1	31
AUG 2004	2	3,731	64	1	31
SEP 2004		2,954	50	1	30
OCT 2004	1	2,878	49	1	31
NOV 2004	4	2,814	48	1	30
DEC 2004	9	2,716	46	1	31
Totals:					
2004	60	30,548	428		
JAN 2005	7	2,740	47	1	31
FEB 2005	5	2,435	41	1	28
MAR 2005		2,532	43	1	31
APR 2005	6	2,367	40	1	30
MAY 2005		2,458	42	1	31
JUN 2005		1,950	33	1	23
JUL 2005		2,473	42	1	31
AUG 2005		2,309	39	1	26
SEP 2005		2,516	43	1	30
OCT 2005		2,452	42	1	31
NOV 2005	2	2,166	37	1	30
DEC 2005	3	2,821	48	1	31
Totals:					
2005	23	29,219	497		
JAN 2006	3	2,285	39	1	31
FEB 2006	6	2,293	39	1	28

MAR 2006	1	2,462	42	1	31
APR 2006	7	2,286	39	1	30
MAY 2006		2,372	40	1	31
JUN 2006		2,126	36	1	30
JUL 2006		2,276	39	1	31
AUG 2006		2,293	39	1	31
SEP 2006		2,196	37	1	30
OCT 2006		2,251	38	1	31
NOV 2006	5	2,410	41	1	30
DEC 2006	6	2,297		1	31
Totals:					
2006	28	27,547	429		
JAN 2007	11	2,186		1	31
FEB 2007	4	1,967	28	1	28
MAR 2007	7	2,055	31	1	31
APR 2007	3	1,973		1	30
MAY 2007		2,012		1	31
JUN 2007		2,021		1	30
JUL 2007		2,016		1	31
AUG 2007		1,988		1	31
SEP 2007		2,051		1	30
OCT 2007		2,185		1	31
NOV 2007	11	1,050		1	30
DEC 2007	26	2,196		1	31
Totals:					
2007	62	23,700	59		
JAN 2008	37	2,163		1	31
FEB 2008	21	2,039		1	29
MAR 2008	25	1,713		1	31
APR 2008	4	1,754		1	30
MAY 2008	21	1,829		1	31
JUN 2008	10	845		1	30
JUL 2008	12	2,138		1	31
AUG 2008	7	1,964		1	31
SEP 2008	12	1,833		1	30
OCT 2008	19	1,943		1	31
NOV 2008	12	1,850		1	30
DEC 2008	14	1,962		1	31
Totals:					
2008	194	22,033			
JAN 2009	12	1,967		1	31
FEB 2009	14	1,588		1	28
MAR 2009	5	1,791		1	31
APR 2009	3	1,846		1	30
MAY 2009	3	1,731		1	31
JUN 2009	10	1,679		1	30
JUL 2009	12	1,738		1	31
AUG 2009	8	1,769		1	31
SEP 2009	2	1,522		1	30
OCT 2009	5	1,453		1	31
NOV 2009	4	1,485		1	30
DEC 2009		1,812		1	31
Totals:					
2009	78	20,381			

JAN 2010		1,827		1	31
FEB 2010	12	1,259		1	28
MAR 2010	7	1,882		1	31
APR 2010	4	1,269		1	30
MAY 2010	1	1,089		1	31
JUN 2010		1,092		1	30
JUL 2010		1,731		1	31
AUG 2010		1,813		1	31
SEP 2010		1,782		1	30
OCT 2010		1,615		1	31
NOV 2010		1,651		1	30
DEC 2010		1,981		1	31
Totals:					
2010	24	18,991			
JAN 2011		2,154		1	31
FEB 2011	32	1,956		1	28
Totals:					
2011	32	4,110			

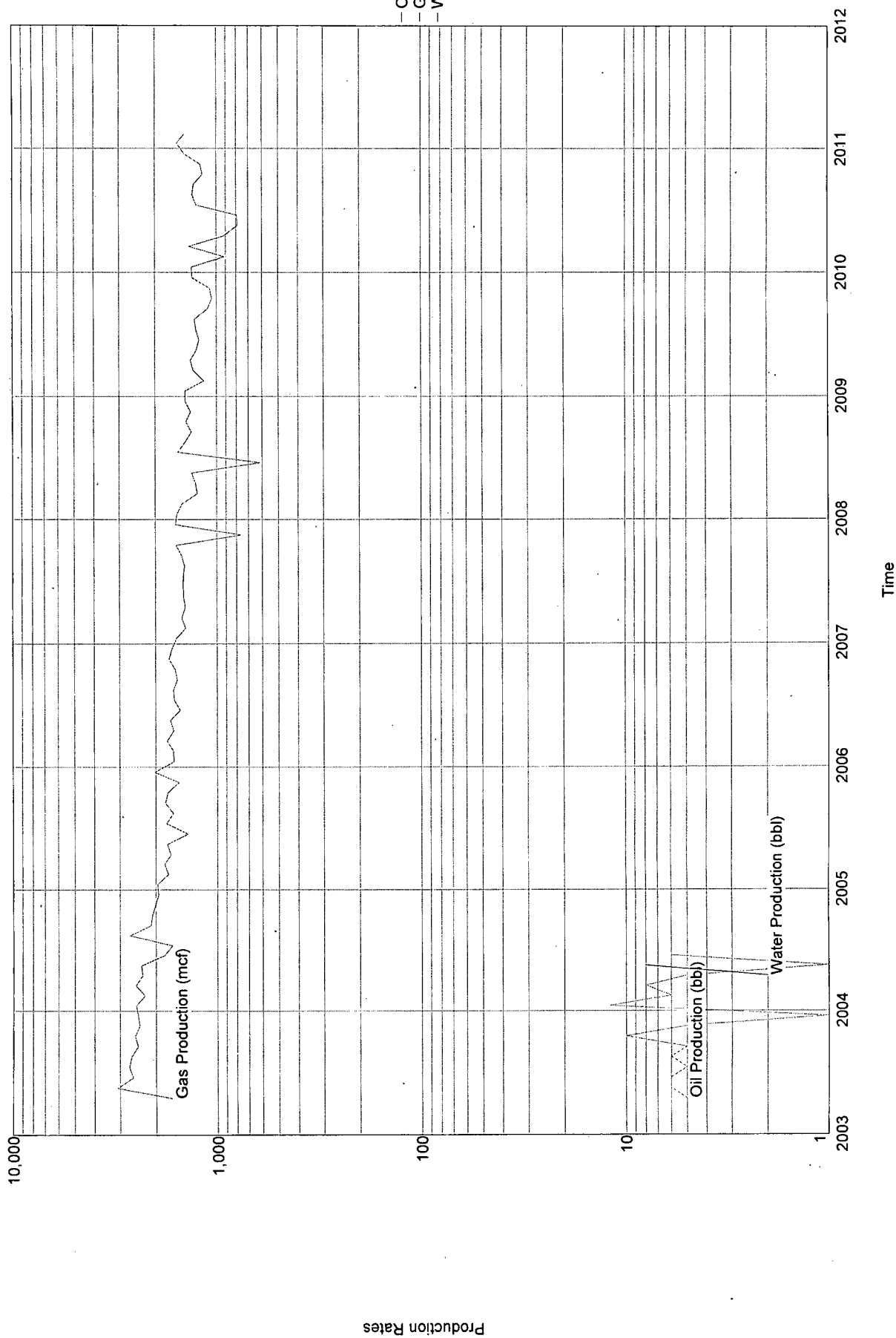
Lease Name: HARDIE E
County, State: SAN JUAN, NM
Operator: BURLINGTON RESOURCES O&G CO LP
Field: BLANCO
Reservoir: MESAVERDE
Location: 16 28N 8W SW NE SE

HARDIE E - BLANCO



Lease Name: HARDIE E
County, State: SAN JUAN, NM
Operator: BURLINGTON RESOURCES O&G CO LP
Field: OTERO
Reservoir: CHACRA
Location: 16 28N 8W SW NE SE

HARDIE E - OTERO



HARDIE E 1A FC RC Date: Aug 2011-Aug 2011

Operator: Unknown

Field:

Zone:

Type: Other

Group: None

No Active
Forecast

Production Cums

Oil: 0 MSTB

Gas: 0 MMSCF

Water: 0 MSTB

Cond: 0

Oil Rate - Bbl/d
Cum: 0.00

Gas1 Rate - mcf/d
Cum: 0.00

Water Rate - Bbl/d
Cum: 0.00

