

18 April. 07 DATE IN	SUSPENSE	W. Jones ENGINEER	19 April. 07 LOGGED IN	DHC TYPE	PLCP 0710429923 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

3873

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



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
- [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

2007 APR 18 AM 10 12

[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.

Rhonda Rogers (Print or Type Name)
 Rhonda Rogers (Signature)
 Regulatory Technician (Title)
 4-17-07 (Date)

rogersr@conocophillips.com (e-mail Address)

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

District II
1301 W. Grand Avenue, Artesia, NM 88210

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

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

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

DAC-3873

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

MURPHY C 100 Unit F, Sec. 27, 030N, 011W SAN JUAN
Lease Well No. Unit Letter-Sec' Township-Range County

OGRID No: 14538 Property Code 7337 API No. 30045341740000 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<i>UNDER</i> AZTEC FRUITLAND SANDS		BASIN FRUITLAND COAL
Pool Code	71200 ✓		71629 ✓
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1910'-2150' Estimated		2150'-2315' Estimated
Method of Production (Flowing or Artificial Lift)	NEW ZONE		NEW ZONE
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)	150% RULE		150% RULE
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1000		BTU 1000
Producing, Shut-In or New Zone	NEW ZONE		NEW ZONE
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: N/A		Date: N/A Rates: N/A
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

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes 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 No

Will commingling decrease the value of production? Yes No

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 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 *Julian Carrillo* TITLE Engineer DATE 4/17/2007

TYPE OR PRINT NAME Julian Carrillo, Engineer TELEPHONE NO. (505) 326-9700

E-MAIL ADDRESS Julian.B.Carrillo@conocophillips.com

Murphy C 100
Unit F, Section 27, T30N, R11W

The Murphy C 100 is a Fruitland Coal and Fruitland Sand newdrill. A cased hole neutron log will be run prior to completion to identify the Fruitland Sand and Fruitland Coal zones. If the Fruitland Sand and Fruitland Coal horizons can be isolated, a separator test will be performed and the allocation will be assigned with results using the subtraction method applied to the rate. In the event that the Fruitland Sand and Fruitland Coal can not be tested separately, a volumetric calculation will be performed to determine the allocation percentages between the Fruitland Coal and Fruitland Sand. All documentation will be submitted to the Aztec NMOCD office.

DISTRICT I
 1501 W. Grand Avenue, Alameda, N.M. 87004
DISTRICT II
 1500 W. Grand Avenue, Alameda, N.M. 87004
DISTRICT III
 1500 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 1230 South St. Francis Dr.
 Santa Fe, N.M. 87505

Form C-102
 Revised October 12, 2005
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Free Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAN

Well Number 30-045-34174	Well Code 71200	Well Name Aztec Fruitland Sands
Property Code 7337	Property Name MURPHY C	Well Number 100
Well No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS CO. LP.	Tract No. 5945

Surface Location

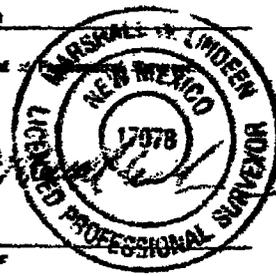
Well or Unit No.	Section	Township	Range	Lot No.	Feet from this	North/South line	Feet from this	East/West line	County
F	27	30 N	11 W		1850	NORTH	1850	WEST	SAN JUAN

Bottom Hole Location if Different From Surface

Well or Unit No.	Section	Township	Range	Lot No.	Feet from this	North/South line	Feet from this	East/West line	County

Dedicated Acre 159.04 NW/4	Field or Unit	Commodities Code	Order No.
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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

16 S 02°02'12" E 2595.68' S 88°06'02" E 2588.31'				17 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 retained mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such interest or working interest or to a preliminary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Patsy Clugston</i> 4/2/07 Signature Date Patsy Clugston Printed Name
USA NM-02491				
NAD 83 LAT: 36.785675° N LONG: 107.980806° W NAD 27 LAT: 36° 47.140' N LONG: 107° 58.810' W				
SECTION 27				
17 S 02°02'12" E 2595.68' S 88°06'02" E 2588.31'				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plan 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. 11/28/06 Date of Survey Signature and Seal:  17078 Certificate Number
SECTION 27				
N 88°19'56" W 2585.27' N 88°20'13" W 2595.27'				
SECTION 27				

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Form C-102
Revised October 12, 2005

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045		*Pool Code 71629		*Pool Name BASIN (FRUITLAND COAL)	
*Property Code 7337		*Property Name MURPHY C			*Well Number 100
*ORDER No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS CO. LP.			*Elevation 5945

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	27	30 N	11 W		1850	NORTH	1850	WEST	SAN JUAN

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

*Dedicated Acres 317.66	*Joint or Infill	*Consolidation Code	*Order No.
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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

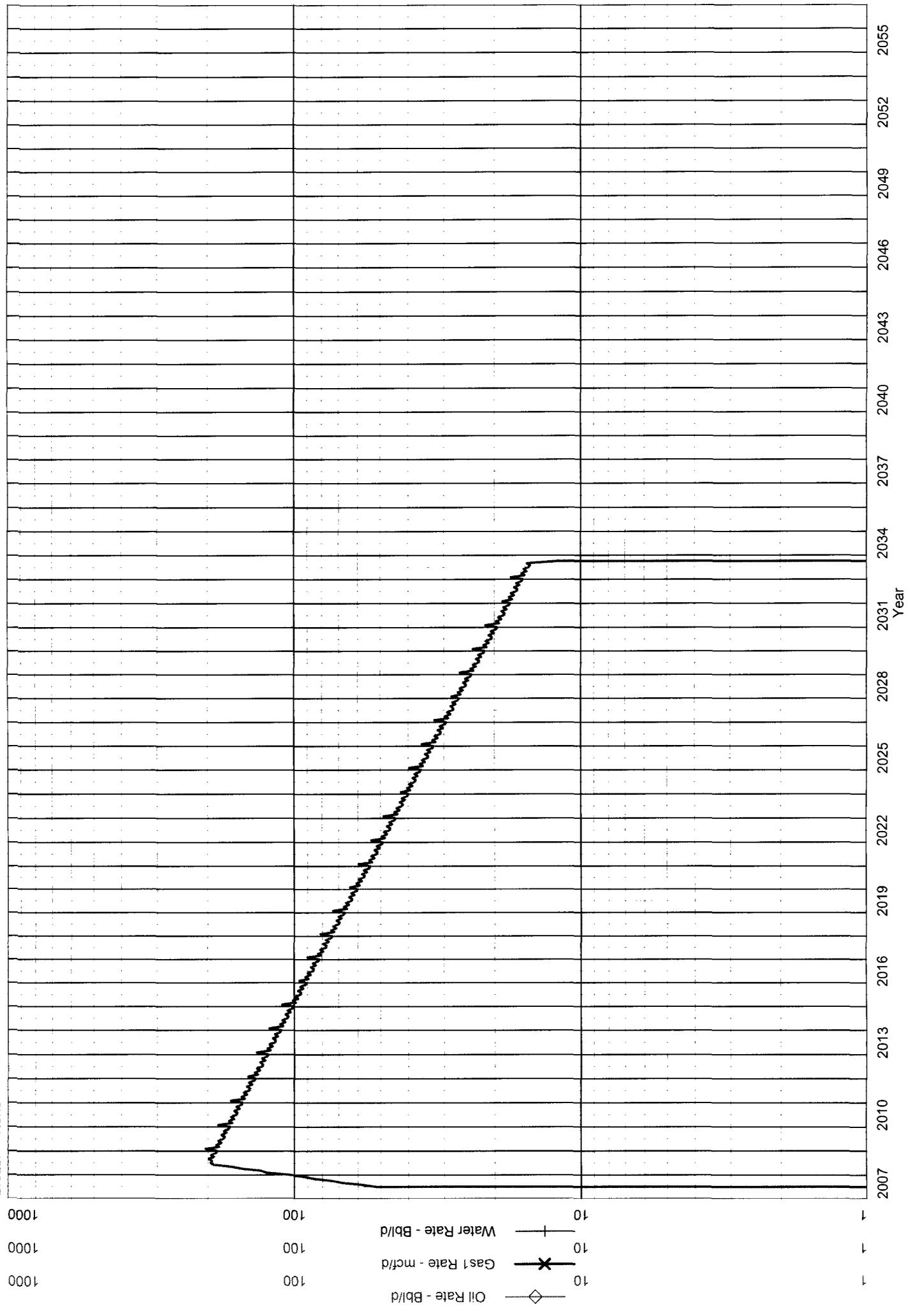
2675.93	N 02°01'19" W	LOTS 4	LOTS 3	LOTS 2	LOTS 1	2652.76	S 0°21'23" E	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless mineral interest in the land including the proposed bottom hole location 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.</p> <p><i>Kandis Roland</i> 12/21/06 Signature Date Kandis Roland Printed Name</p>
		<p>USA NM-02491</p> <p>NAD 83 LAT: 36.785673° N LONG: 107.980806° W</p> <p>NAD 27 LAT: 36° 47.1401' N LONG: 107° 58.8110' W</p> <p>SECTION 27</p>						
2675.06	N 0°21'03" W	LOTS 12	LOTS 11	LOTS 10	LOTS 9	2659.72	S 0°23'23" E	<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>11/28/06 Date of Survey Signature and Seal of MARSHALL W. LINDEN NEW MEXICO 17078 LICENSED PROFESSIONAL SURVEYOR 17078 Certificate Number</p>
		LOTS 13	LOTS 14	LOTS 15	LOTS 16			
	N 88°19'56" W	2585.27'	N 88°20'13" W	2595.27'				

MURPHY C 100 FC Data: Apr.2007-Apr.2007

Production Cums
Oil: 0 MSTB*
Gas: 0 MMSCF
Water: 0 MSTB
Cond: 0 MSTB

No
Active
Forecast

Operator:
Field:
Zone:
Type: Other
Group: None

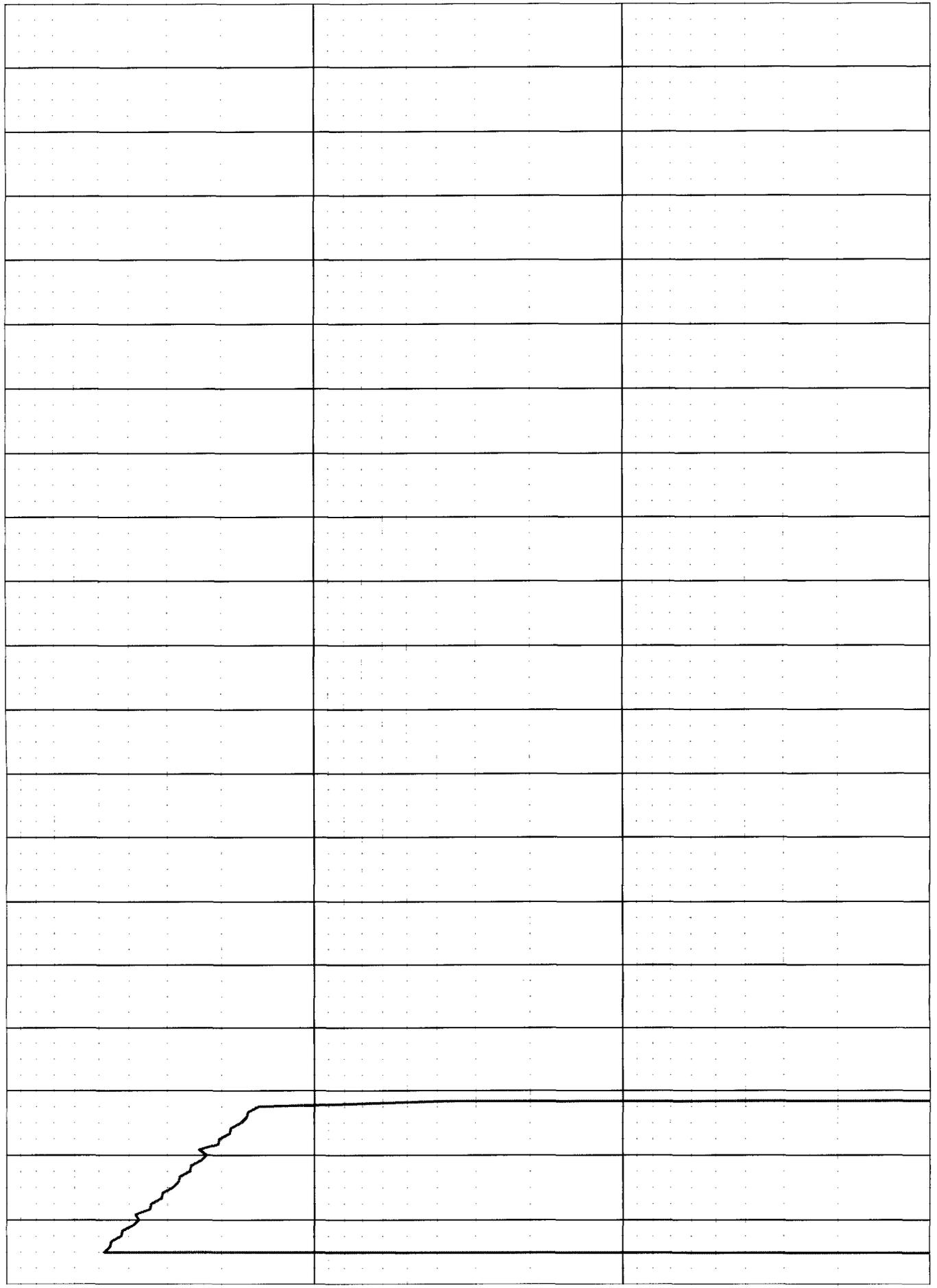


MURPHY C 100 FS Data: Apr.2007-Apr.2007

Operator:
Field:
Zone:
Type: Other
Group: None

No
Active
Forecast

Production Cumms
Oil: 0 MSTB*
Gas: 0 MMSCF
Water: 0 MSTB
Cond: 0 MSTB



1
0.1
1
10
100
1000

Year

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026