

BEU 159

DATE IN <i>8.12.10</i>	SUSPENSE	ENGINEER <i>WJ</i>	LOGGED IN <i>8.12.10</i>	TYPE <i>DHC</i>	APP NO. <i>PTG-W 1022441829</i>
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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



BOPCO

Big Eddy U #159

ADMINISTRATIVE APPLICATION CHECKLIST

30-015-35145

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

Signed receipt copy will be mailed when available

[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.

Valerie Truax *Natalie Smal* *Reg Clerk* *8/6/10*
 Print or Type Name Signature Title Date
vltruax@basspet.com
 e-mail Address

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
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

BOPCO, L.P.		P.O. Box 2760 Midland, TX 79702	
Operator		Address	
Big Eddy Unit	159	UL I, Sec 9, T22S, R28E	Eddy
Lease	Well No.	Unit Letter-Section-Township-Range	County
OGRID No. 260737	Property Code 305860	API No. 30-015-35145	Lease Type: <input checked="" type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Dublin Ranch (Atoka)		Indian Flats SW (Morrow)
Pool Code	76130		79100
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	11,110'-11,372'		11,850'-12,223'
Method of Production (Flowing or Artificial Lift)	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)	NA		NA
Oil Gravity or Gas BTU (Degree API or Gas BTU)	971 BTU		1015 BTU
Producing, Shut-In or New Zone	Producing		SI
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: 07/27/2010 Rates: 0/444/1	Date: Rates:	Date: 12/17/2010 Rates: 0/532/71
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 100 % 45 %	Oil Gas % %	Oil Gas 0 % 54 %

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 Valerie Truax TITLE Regulatory Clerk DATE 08/06/2010
TYPE OR PRINT NAME Valerie Truax TELEPHONE NO. () (432)683-2277
E-MAIL ADDRESS vltruax@basspet.com

APPLICATION FOR DOWNHOLE COMMINGLE

BIG EDDY UNIT 159

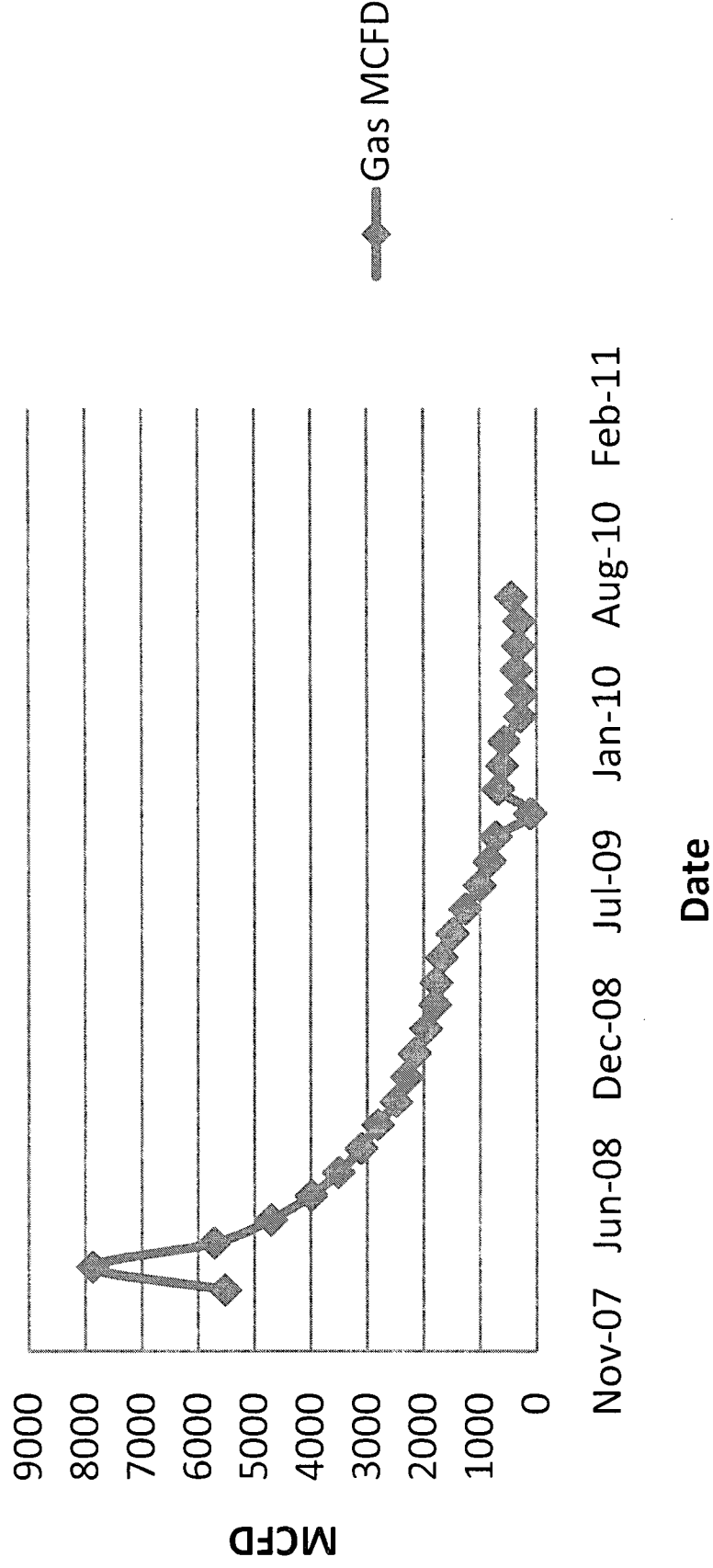
The Big Eddy Unit #159 was originally completed in the Morrow on 5/12/2007. The last recorded production was 0 BOPD, 1 BWPD and 444 MCFD before being plugged back on 12/17/2007. Therefore, only 6 months of graphs showing BEU #159 Morrow production is attached. The Atoka pay zone was completed and put on production on 12/28/2007. The last recorded production rates for the Atoka were 0 BOPD, 71 BWPD and 532 MCFD. No oil production has occurred in the last year but oil shows have only occurred during production of the Atoka. Therefore, production for the Morrow and Atoka will be on a 100% Atoka and 0% Morrow for oil. Production for the Morrow and Atoka will be 45.5% Atoka and 54.5% Morrow for gas.

OFFICE USE ONLY: Water will be Atoka 1.4% and Morrow 98.6%

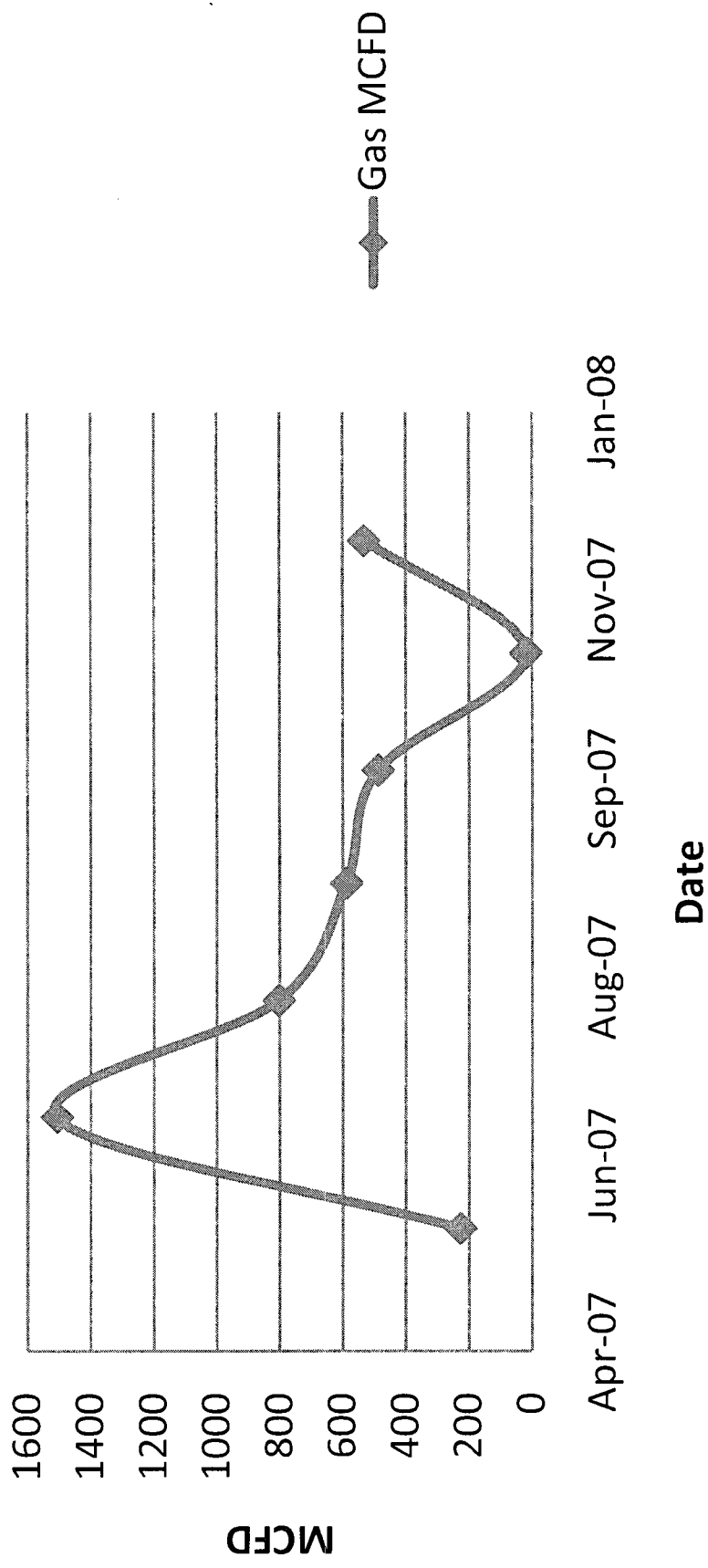
Atoka Gas: $444/(532+444) = 45.5\%$

Morrow Gas: $532/(532+444) = 54.5\%$

BEU #159 Atoka Pay



BEU #159 - Morrow Pay



DISTRICT I
1835 N. French Dr., Hobbs, NM 88240

DISTRICT II
1391 N. Grand Avenue, Artesia, NM 88210

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

DISTRICT IV
1230 St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 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 30-015-35145	Pool Code 79100	Pool Name INDIAN FLATS SW (MORROW)
Property Code 305860	Property Name BIG EDDY UNIT	Well Number 159
OGED No. 260737	Operator Name BOPCO, L.P.	Elevation 3128'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	9	22 S	28 E		1950	SOUTH	660	EAST	EDDY

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 320	Joint or Infill N	Consolidation Code	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>183.39 ACRES</p> <p>162.90 ACRES</p> <p>LAT - N32°24'18.5" LONG - W104°05'11.9" (NAD-83)</p>		<p>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 undivided mineral interest in the land including the proposed bottom hole 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>William R. Daniels</i> Signature 8/4/06 Date William R. Daniels Printed Name</p>
<p>161.52 ACRES</p> <p>161.29 ACRES</p> <p>3117.5' 3131.1' 3119.5' 3122.9' 660' 1950'</p>		<p>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>DATE SURVEYED: JULY 05, 2006 Signature: [Signature] Professional Surveyor Certificate No. 7977 BASIN SURVEYS</p>

DISTRICT I
1220 N. French St., Santa Fe, NM 87505

DISTRICT II
1301 W. Grand Avenue, Santa Fe, NM 87510

DISTRICT III
1000 E. Espana Rd., Santa Fe, NM 87410

DISTRICT IV
1220 N. French St., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-103
Revised October 12, 2006

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35145	Pool Code 76130	Pool Name DUBLIN RANCH (ATOKA) GAS
Property Code 305860	Property Name BIG EDDY UNIT	Well Number 159
OCID No. 260737	Operator Name BOPCO, L.P.	Elevation 3128'

Surface Location

UL or lot No. 1	Section 9	Township 22 S	Range 28 E	Lot Mn	Feet from the 1950	North/South line SOUTH	Feet from the 660	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Mn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill N	Consolidation Code	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

183.39 ACRES	182.90 ACRES	LAT - N32°24'18.5" LONG - W104°05'11.9" (NAD-83)	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 undivided mineral interest in the land including the proposed bottom hole 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. <u>William R. Daniels</u> Signature 8/4/06 Date <u>William R. Daniels</u> Printed Name
161.52 ACRES	161.21 ACRES		

BASIN SURVEYS

2. Article Number

7160 3701 9846 3454 8033

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes ☒ No

1. Article Addressed to:

Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220-6292

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Name) *Julie* ☒ Initials ☐ Signature

B. Date of Delivery *8/17*

C. Signature *x [Signature]*

D. Is delivery address different from item 1? ☐ Yes ☒ No

E. If YES, enter delivery address below:

186comms
159

Domestic Return Receipt

PS Form 3811, January 2005

receipt by BLM
for down hole
coring package
for BEU#186+
BEU#159