

Do Not Scan

Revised March 23, 2017

RECEIVED: 09/13/2018	REVIEWER: MAM	TYPE: DHC	APP NO: pMAM1825651603
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Geological & 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

Applicant: Longfellow Energy, LP **OGRID Number:** 372210
Well Name: State 20 "B" 015 **API:** 30-015-33097
Pool: GRAYBURG JACKSON TRVS-QN-GB-SA & EMPIRE; YESO, EAST OIL POOL **Pool Code:** 28509 & 96610

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
B. Check one only for [I] or [II]
[I] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

DHC-4849

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ☐ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ☐ Application requires published notice
D. ☒ Notification and/or concurrent approval by SLO
E. ☐ Notification and/or concurrent approval by BLM
F. ☐ Surface owner
G. ☐ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

- 3) **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.

David Cain

Print or Type Name

Signature

9-13-2018

Date

214-265-4715

Phone Number

david.cain@longfellowenergy.com

e-mail Address

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

District II
811 S. First St., 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

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

Form C-107A
Revised August 1, 2011

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

APPLICATION FOR DOWNHOLE COMMINGLING

Longfellow Energy, LP 16803 Dallas Parkway, Addison, TX, 75001
Operator Address
State 20 "B" 015 H-20-17S-29E Eddy
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 372210 Property Code 25235 API No. 30-015-33097 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	GRAYBURG JACKSON 7RVS-QN-GB-SA		EMPIRE; YESO, EAST OIL POOL
Pool Code	28509		96610
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3378' - 3712'		3855' - 4169'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1400 - BTU		37 - API
Producing, Shut-In or New Zone	Producing		Shut-In
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: 8/24/2018 Rates: 1/10/10	Date: Rates:	Date: 12/1/2012 Rates: 3/30/30
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 30 % 30 %	Oil Gas % %	Oil Gas 70 % 70 %

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 X
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 No X
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 David Cain TITLE Engineering Technologist DATE 9/13/2018

TYPE OR PRINT NAME David Cain TELEPHONE NO. (214) 265-4715

E-MAIL ADDRESS david.cain@longfellowenergy.com



September 13, 2018

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

RE: Letter of Same Ownership Confirmation
State 20B #15, Eddy County, NM

To whom it may concern,

Please let this letter serve as confirmation that the ownership of the working interest and revenue interest is the State 20B #15 well (API 30-015-33097) is the same for both the Empire; Yeso, East Oil pool (96610) and the Grayburg, Jackson – 7R's, QN, GB, SA pool (28509).

Feel free to contact me by phone at (972) 590-9933 or by email to ryan.culpepper@longfellowenergy.com if you have any questions or need anything further.

Sincerely,
Longfellow Energy, LP

A handwritten signature in black ink, appearing to read 'Ryan Culpepper', is written over a horizontal line.

Ryan Culpepper
Land Manager



September 13, 2018

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

RE: Engineering Detailed Report for Yeso/San Andres Commingle
State 20B #15, Eddy County, NM

To whom it may concern,

The following is the procedural details for the State 20 B #15 drill-out in a bulleted layout. Also, is a detailed description of the fixed allocation allotment below. Feel free to contact me directly by phone at (432) 741-5355 or by e-mail at steven.buckler@longfellowenergy.com if you have any further questions.

- Move-in rig up workover rig.
- Unhang horseshead & laydown polish rod
- POOH w/ 142 steel rods, 4 x k-bars and downhole pump.
- Kill well if necessary.
- N/D wellhead.
- N/U BOPE.
- POOH w/ 115 Jts and BHA
- M/U 4 3/4" bit & 8 x 3.5" DCs.
- TIH to cement on top of CIBP @ 3756'.
- P/U power swivel and drill out fill, cement and CIBP.
- Once bit falls out free. Continue to TIH to PBTD at 4230'.
- POOH and L/D bit and DCs.
- TIH w/ production tbg and rods.
- Hang well on.

The State 20 B #15 with success of the above operation, the well would then be commingled between the Yeso and the San Andres. Longfellow Energy did not receive well test data from Clayton Williams Energy dating back to 2012; therefore, the month before the current CIBP was set (December 2012) was taken and averaged to create the well test on the C-107A. The allocated percentages were created by adding the two well tests together and dividing by each.

Sincerely,
Longfellow Energy, LP

A handwritten signature in black ink that reads 'Steven Buckler'.

Steven Buckler
Operations Engineer

McMillan, Michael, EMNRD

From: Steven Buckler <steven.buckler@longfellowenergy.com>
Sent: Friday, September 14, 2018 7:51 AM
To: McMillan, Michael, EMNRD
Cc: David Cain
Subject: FW: C-107A Application for the State 20B 015 Well
Attachments: C-107A_State_20B_015_Application.pdf

Michael,

As discussed over the phone. We are looking to commingle the Yeso Empire East with the San Andres. The well test data for the San Andres (1 BOPD + 10 MSCFD + 13 BWPD) was a mixture between recent well testing and extrapolated from the current decline on the well. The well test data for the Yeso was determined from the last month before operational work was performed (December 2012). The allocation was the percentage between the two well tests.

Let me know if you have any additional questions.

-Steven Buckler
LFE Operations Engineer

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33097	Pool Code 28509	Pool Name GRAYBURG JACKSON 7RVS-QN-GB-SA
Property Code 25235	Property Name STATE 20 B	Well Number 15
OGRID No. 372210	Operator Name Longfellow Energy, LP	Elevation 3607'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	20	17-S	29-E		1650'	NORTH	480'	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 40	Joint or Infill	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>GEODETIC COORDINATES NAD 27 NME Y = 663076.7 N X = 574923.3 E LAT. = 32°49'21.53"N LONG. = 104°05'21.98"W</p>	<p>1650'</p> <p>480'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>David Cain</i> Signature David Cain Printed Name Engineering Technologist Title 9-13-2018 Date</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>October 21, 2003</p> <p>Date Surveyed Signature & Seal Professional Surveyor GARY K. JENSEN 10/27/03 Certificate No. GARY K. JENSEN 12641</p>
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DISTRICT I
P.O. Box 1080, Hobbs, NM 88241-1080

DISTRICT II
P.O. Drawer 80, Artesia, NM 88211-0710

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

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33097	Pool Code 96610	Pool Name Empire; Yeso, East Oil Pool
Property Code 25235	Property Name STATE 20 B	Well Number 15
OGRID No. 372210	Operator Name Longfellow Energy, LP	Elevation 3607'

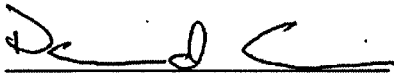
Surface Location

UL or lot No. H	Section 20	Township 17-S	Range 29-E	Lot Idn	Feet from the 1650'	North/South line NORTH	Feet from the 480'	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 Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	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

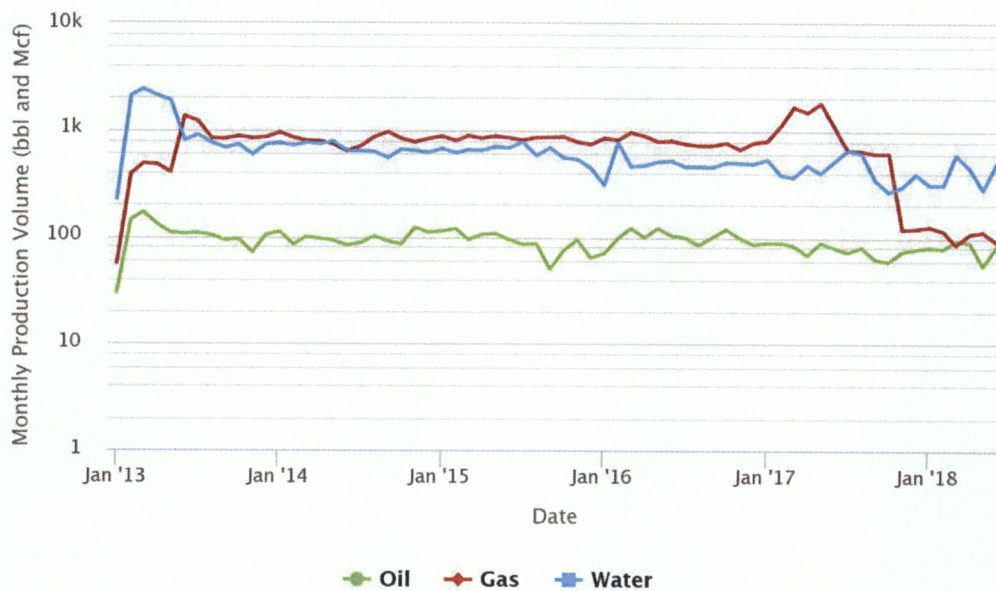
<p>GEODETIC COORDINATES NAD 27 NME Y = 663076.7 N X = 574923.3 E LAT = 32°49'21.53"N LONG = 104°05'21.98"W</p>	<p>1650'</p> <p>480'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature David Cain Printed Name Engineering Technologist Title 9-13-2018 Date</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>October 21, 2003</p> <p>Date Surveyed Signature & Seal of Professional Surveyor GARY E. JUDSON 10/27/03 03.11/1142 Certificate No. GARY E. JUDSON 12641</p>
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State 20B 015 – Production Histories Per Pool

30-015-33097

Grayburg Jackson 7RVS-QN-GB-SA (28509) Production

Monthly Production



Empire; Yeso, East Pool (96610) Production

Monthly Production

