

| | | | | | |
|--------------------|---------------|-----------------|-----------|---------------------|---------------------|
| DATE IN 4/02/12 | SUSPENSE — | ENGINEER WDS | LOGGED IN | TYPE DHC 4594 | APP NO. 23947825 |
|--------------------|---------------|-----------------|-----------|---------------------|---------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

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
- [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.

Deana Weaver
 Print or Type Name

Deana Weaver
 Signature

Production Clerk
 Title

10/23/2012
 Date

dweaver@mec.com
 e-mail Address

District I
1621 N. French Drive, Hobbs, NM 88240

District 11

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

DAC-4594

Mack Energy Corporation

P.O. Box 960, Artesia, NM 88211-0960

Operator

Address

Black Cat Federal

1

N-14-17S-28E

Eddy

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 013837 Property Code 36948 API No. 30-015-36042 Lease Type: ☒ Federal ☐ State ☐ Fee

| DATA ELEMENT | UPPER ZONE | INTERMEDIATE ZONE | LOWER ZONE |
|--|--------------------------------------|-----------------------------------|-----------------------------|
| Pool Name | Red Lake; QU-GB-SA | Empire; Yeso | |
| PoolCode | 51300 | 96210 | |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval) | 1970-3536' | 3638-4999.5' | |
| 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) | 1970 PSI | 31575 PSI | |
| Oil Gravity or Gas BTU (Degree API or Gas BTU) | N/A | 37.8 | |
| Producing, Shut-In or 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: _____ Rates: _____ | Date: 7/31/2012 Rates: 3/13/14 | Date: _____ Rates: _____ |
| Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or explanation will be required.) | Oil _____ Gas _____ Subtraction % | Oil _____ Gas _____ Constant % | Oil _____ Gas _____ % % |

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- 1 02 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 Deana Weaver TITLE Production Clerk DATE 11.1.12

TYPE OR PRINT NAME Deana Weaver TELEPHONE NO. (575) 748-1288

E-MAIL ADDRESS dweaver@mec.com

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, November 14, 2012 4:05 PM
To: Deana Weaver (dweaver@mec.com)
Cc: Ezeanyim, Richard, EMNRD; Shapard, Craig, EMNRD
Subject: Downhole Commingle Application from Mack Energy Corporation: Black Cat Federal #1 30-015-36042

Hello Ms. Weaver,
The C-107A form sometimes requires "Bottomhole Pressure" information depending on depth ranges of the perforations being commingled down hole.
This one does require it.

Please ask your engineer for an estimate of Static Reservoir Pressures for each of the two reservoirs being targeted for production in this well.

If the largest of the two numbers they give you divided by the shallowest perforation is greater than 0.65, then ask that engineer to provide a statement as to whether this upper interval would be subject to down hole fracturing if the well were shut in.

You could just email this info to me and I can then complete the requested permit.

Thank You,
William V. Jones, P.E.
505-476-3448W 505-476-3462F
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Jones, William V., EMNRD

From: Deana Weaver <dweaver@mec.com>
Sent: Friday, November 16, 2012 1:56 PM
To: Jones, William V., EMNRD
Cc: Jerry Sherrell
Subject: FW: Downhole Commingle Application from Mack Energy Corporation: Black Cat Federal #1 30-015-36042

Will

Please see the response to your email below from our engineering department. Let me know if you need any additional information.

Thank you

Deana Weaver
Mack Energy

From: Kevin Garrett
Sent: Friday, November 16, 2012 1:52 PM
To: Deana Weaver
Cc: Lee Livingston
Subject: RE: Downhole Commingle Application from Mack Energy Corporation: Black Cat Federal #1 30-015-36042

The Static reservoir pressure for the Qu-GB-SA is 853# at 1970'. The static reservoir pressure in the Empire-Yeso is 1575# at 3638'. Both of these zones are considered normally pressure reservoir in this area. If the well was shut in you would not frac this upper zone. The frac gradients in this area range from a 0.9-1. I would feel comfortable in not fracturing the upper zone.

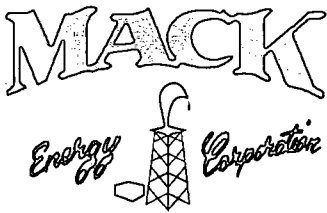
Kevin D. Garrett
Engineer
Mack Energy Corporation
M: 432-934-7948
O: 575-748-1288
kevingarrett@mec.com

From: Deana Weaver
Sent: Wednesday, November 14, 2012 4:16 PM
To: Lee Livingston; Kevin Garrett
Cc: Jerry Sherrell
Subject: FW: Downhole Commingle Application from Mack Energy Corporation: Black Cat Federal #1 30-015-36042

Please email below.

Black Cat Federal #1
Red Lake; QU-GB- SA: 1970-3536'
Empire; Yeso: 3638-4999.5'

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Wednesday, November 14, 2012 4:05 PM



RECEIVED OCD

P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

2012 NOV. -2 P 12: 44

November 1, 2012

Oil Conservation Division
Attn: Will Jones
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Down hole commingling, and measurement of
Hydrocarbon Production for:
Black Cat Federal #1
Section 14, T17S, R28E
Eddy County, New Mexico

Mack Energy Corporation as operator of the aforementioned well respectfully requests administrative approval for down hole commingling and measurement of production.

Mack Energy proposes to commingle Red Lake; QU-GB-SA and Empire; Yeso production in the Black Cat Federal #1(NM Lease NMNM-118706). Production of both pools will be measured at the TB located in the SE/4 SW/4, Sec. 14 T17S R28E. This lease has common interest in both pools. Notification has been made to all parties owning an interest in this lease, including the oil purchaser, of the intent to commingle. Allocation will be done using the subtraction method based on increased production from the Red Lake; QU-GB-SA formation. This well has consistent daily production from the Empire; Yeso formation.

Should you require any additional information concerning this application, please call Deana Weaver at 575-748-1288. Thank you for your consideration of this request.

Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk
dweaver@mec.com

DW/
Enclosures

State of New Mexico

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

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

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|----------------------------|--|---------------------------|
| API Number 30-015-36042 | Pool Code 96210 | Pool Name Empire; Yeso |
| Property Code 36948 | Property Name BLACK CAT FEDERAL | Well Number 1 |
| OGRID No. 013837 | Operator Name MACK ENERGY CORPORATION | Elevation 3631' |

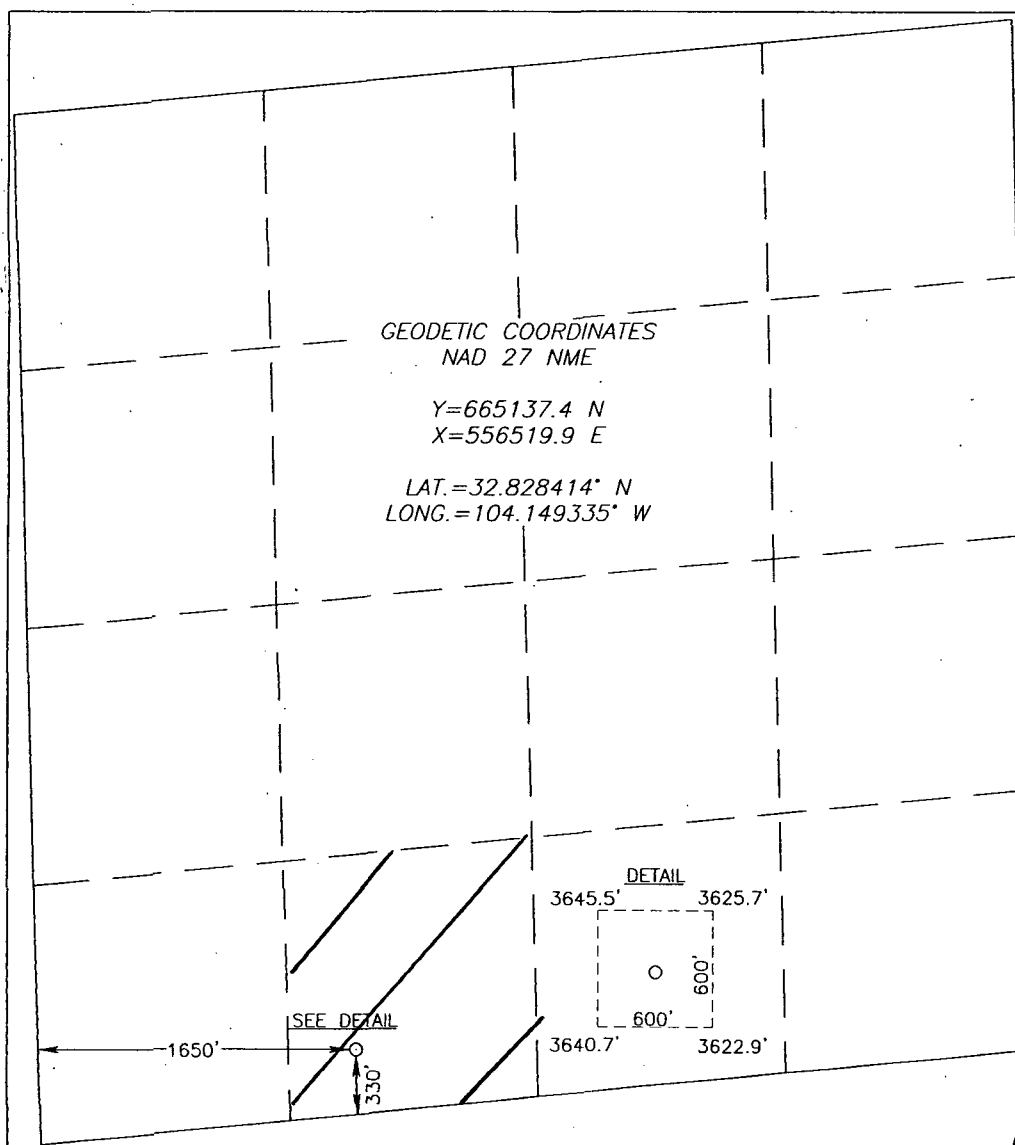
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | 14 | 17-S | 28-E | | 330 | SOUTH | 1650 | WEST | 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



OPERATOR CERTIFICATION

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Deana Weaver
Signature Date
Deana Weaver 11.1.12
Printed Name

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.

SEPTEMBER 27, 2007

Date Surveyed AR

Signature Seal of Professional Surveyor
RONALD J. EIDSON
NEW MEXICO
3239
RECEIVED
SEP 27 2007
10/9/07

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

SCANNED

State of New Mexico

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|----------------------------|--|---------------------------------|
| API Number 30-015-36042 | Pool Code 51300 | Pool Name Red Lake; QU-GB-SA |
| Property Code 36948 | Property Name BLACK CAT FEDERAL | Well Number 1 |
| OGRID No. 013837 | Operator Name MACK ENERGY CORPORATION | Elevation 3631' |

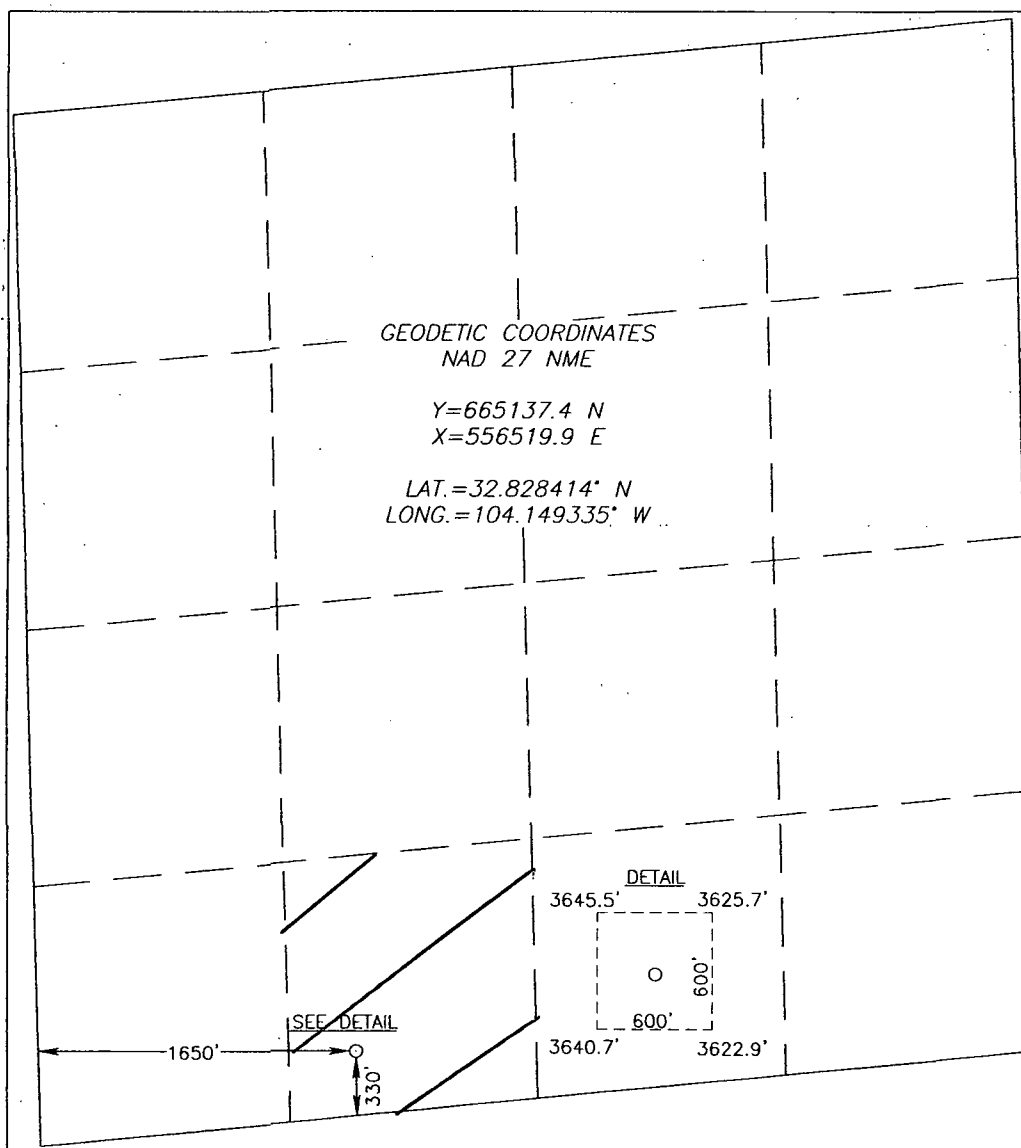
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | 14 | 17-S | 28-E | | 330 | SOUTH | 1650 | WEST | EDDY |

Bottom Hole Location If Different From Surface

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|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. | | | | | | |

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Date

Deana Weaver
Printed Name

11.1.12

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.

SEPTEMBER 27, 2007

Date Surveyed

AR

Signature

Professional Seal of

Surveyor

RONALD J. EIDSON
NEW MEXICO
3239
10/09/07

Certificate No. GARY EIDSON

12641

RONALD J. EIDSON 3239

SCANNED

MEMO

DATE: October 30, 2012

TO: Bureau of Land Management
NMOCD

FROM: Travis K. Lanning

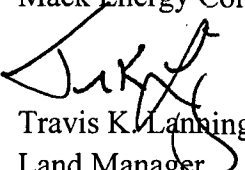
RE: Black Cat Federal #1
NMNM-118706
T17S, R28E, NMPM
Section 14: SE/4SW/4
Eddy County, New Mexico

Mack Energy Corporation respectfully requests approval to downhole commingle production from the San Andres, Grayburg and Yeso formations in our Black Cat Federal #1 well.

All formations have identical working and revenue interests.

Please do not hesitate to contact me should you require any further information.

Sincerely,
Mack Energy Corporation


Travis K. Lanning
Land Manager

MEMO

DATE: October 30, 2012

TO: Bureau of Land Management
NMOCD

FROM: Travis K. Lanning

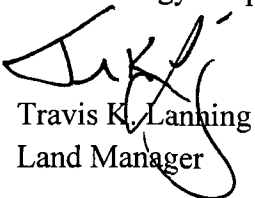
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T17S, R28E, NMPM
Section 14: SE/4SW/4
Eddy County, New Mexico

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All formations have identical working and revenue interests.

Please do not hesitate to contact me should you require any further information.

Sincerely,
Mack Energy Corporation


Travis K. Lanning
Land Manager

Deana Weaver

Subject:

FW: Black Cat Fed #1- Offset

Hanson Operating Company & McBride Oil & Gas Corp.

P.O. Box 1515

Roswell, NM 88202

COG Operating LLC

One Concho Center

600 W. Illinois Ave

Midland, TX 79701

Mack Energy / Chase Oil

Cimarex Energy Co. of Colorado

600 N. Marienfeld St, Ste 600

Midland, TX 79701

Tandem Energy Corporation

P.O. Box 1559

Midland, TX 79702

CFM Oil LLC

P.O. Box 1176

Artesia, NM 88211

Murchison Oil & Gas Inc

1100 Mira Vista Blvd

Plano, TX 75093

MEC Petroleum Corp

P.O. Box 11265

Midland, TX 79702

ZPZ Delaware I LLC

2000 Post Oak Blvd Ste 100

Houston, TX 77056

Fasken Acquisitions 02 LTD

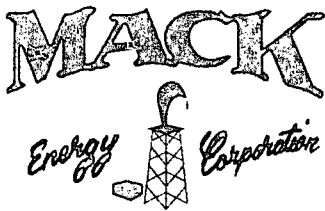
303 W. Wall St Ste 1800

Midland, TX 79701

Occidental Permian LP

5 E Greenway Plaza #110

Houston, TX 77046



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 5506
CERTIFIED RETURN RECEIPT MAIL

Hanson Operating Company
McBride Oil & Gas Corp.
P.O. Box 1515
Roswell, NM 88202

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

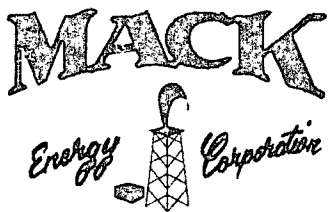
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Downhole Commingling if no objection has been made within the 20 days after the application has been received.

Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7517
CERTIFIED RETURN RECEIPT MAIL

COG Operating LLC
One Conch Center
600 W. Illinois Ave
Midland, TX 79701

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

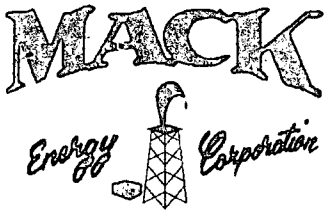
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Downhole Commingling if no objection has been made within the 20 days after the application has been received.

Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7524
CERTIFIED RETURN RECEIPT MAIL

Cimarex Energy of Colorado
600 N. Marienfeld St, Ste 600
Midland, TX 79701

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

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Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7531
CERTIFIED RETURN RECEIPT MAIL

Tandem Energy Corporation
P.O. Box 1559
Midland, TX 79702

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

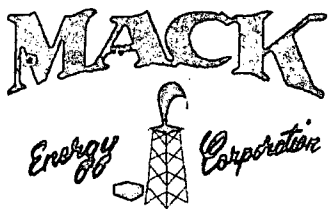
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Downhole Commingling if no objection has been made within the 20 days after the application has been received.

Sincerely,

Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7548
CERTIFIED RETURN RECEIPT MAIL

CFM Oil LLC
P.O. Box 1176
Artesia, NM 88211

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

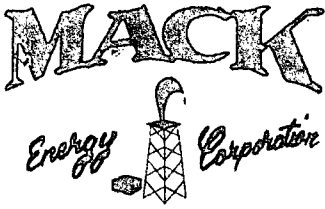
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Downhole Commingling if no objection has been made within the 20 days after the application has been received.

Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7555
CERTIFIED RETURN RECEIPT MAIL

Murchison Oil & Gas Inc
1100 Mira Vista Blvd
Plano, TX 75093

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

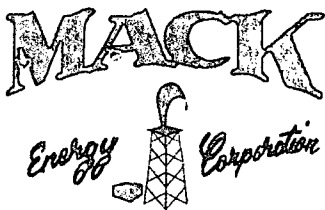
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Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7562
CERTIFIED RETURN RECEIPT MAIL

MEC Petroleum Corp
P.O. Box 11265
Midland, TX 79702

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Downhole Commingling if no objection has been made within the 20 days after the application has been received.

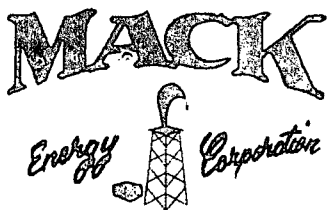
Sincerely,

Deana Weaver

Deana Weaver
Production Clerk

DW/

Enclosures



P.O. Box 960
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Fax (575) 746-9539

November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7579
CERTIFIED RETURN RECEIPT MAIL

ZPZ Delaware I LLC
2000 Post Oak Blvd Ste 100
Houston, TX 77056

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

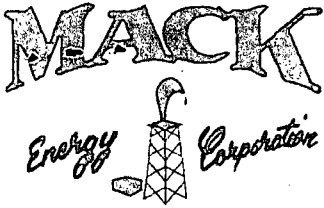
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Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures



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November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7586
CERTIFIED RETURN RECEIPT MAIL

Fasken Acquisitions 02 LTD
303 W. Wall St Ste. 1800
Midland, TX 79701

Dear Sirs or Madam:

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Sincerely,

Deana Weaver
Production Clerk

DW/

Enclosures



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November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7593
CERTIFIED RETURN RECEIPT MAIL

Occidental Permian LP
5 E. Greenway Plaza #110
Houston, TX 77046

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

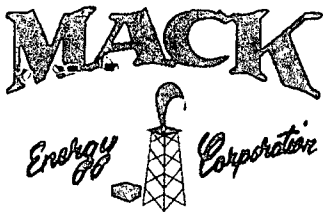
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Sincerely,

Deana Weaver
Production Clerk

DW/

Enclosures



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November 1, 2012

VIA CERTIFIED MAIL 7012 2210 0002 5864 7616
CERTIFIED RETURN RECEIPT MAIL

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

Dear Sirs or Madam:

This letter will serve as a notice that Mack Energy Corporation as operator has requested administrative approval from the NMOCD to Downhole Commingle production in the Red Lake; QU-GB-SA and Empire; Yeso in the Black Cat Federal #1. The location for this well is 330 FSL & 1650 FWL, Section 14-T17S-R28E, Eddy County, New Mexico.

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Sincerely,

Deana Weaver
Deana Weaver
Production Clerk

DW/

Enclosures