

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Mack Energy Corporation

3a. Address

P.O. Box 960 Artesia, NM 88210-0960

3b. Phone No. (include area code)

(575) 748-1288

4. Location of Well (Footage, Sec., T,R,M, or Survey Description)

Sec. 3 T18S R31E

5. Lease Serial No.
NMNM-89882

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Razorback Federal Lease

9. API Well No.
Multiple

10. Field and Pool or Exploratory Area
Tamano; San Andres, Delaware

11. Country or Parish, State
Eddy, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Surface Commingle</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

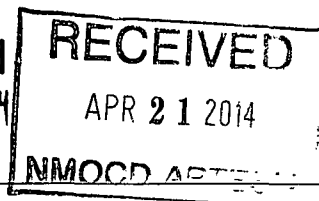
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Mack Energy Corporation as operator respectfully requests administrative approval to surface commingle and measurement of production. It is requested that surface commingling of Tamano; San Andres and Tamano, Delaware pools be approved for the following lease: Razorback Federal (NMNM-89882) Sec. 3, T18S, R31E

The tank battery is located in the NW/4 NW/4, Sec. 3 T18S R31E. Proper allocation for production will be measured using periodic well tests. Mack Energy has made notification to all parties owning an interest in this lease, including the oil purchaser, of the intent to commingle. Interests in all pools on this lease are common.

Mack Energy is currently producing the Razorback Federal #1 & #2 in the San Andres and intend to complete the #5 in the Delaware Formation. At this time we are requesting approval to add the Delaware to this production.

Accepted for record
NMOCD 106
4-21-2014



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Deana Weaver

Title Production Clerk

Signature

Deana Weaver

Date

5.28.13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ JD Whitlock Jr

Title

EPS

Date

4/15/14

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

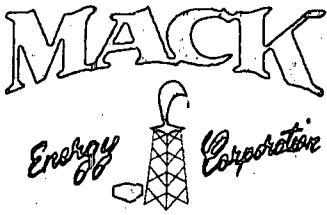
Office

CFD

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for my person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

805



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

May 28, 2013

VIA CERTIFIED MAIL 7012 1010 0002 5887 4345

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

Dear Sir or Madam:

Mack Energy Corporation is requesting administrative approval from the NMOCD for approval of surface commingling of production on our Razorback Federal Lease NMNM-89882. This lease produces from the Tamano; San Andres (58060), Tamano; Delaware (97270) and will be commingled at a tank battery located in the NW/4 NW/4 Sec. 3 T18S R31E. There are currently 2 producing wells within this lease. Razorback Federal #1 & #2 are producing Tamano; San Andres and Razorback Federal #5 will be completed in the Tamano; Delaware.

Ownership is common between the Razorback Lease.

Allocation for oil and gas will be done using periodic well tests at the TB shown in the facility diagram. Each well will be tested periodically to insure accurate. Should you have any questions please contact me @ 575-748-1288.

Sincerely,

Deana Weaver
Production Clerk
dweaver@mec.com

DW/

Enclosures

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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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



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

5.28.13

Date

jerrys@mec.com
 e-mail Address

M E M O

DATE: May 24, 2013

TO: NMOCD

FROM: STACI SANDERS
MACK ENERGY CORPORATION

RE: RAZORBACK FEDERAL LEASE
NMNM-89882
T18S, R31E
SECTION 3: LOTS 3, 4, S/2NW/4
EDDY COUNTY, NEW MEXICO

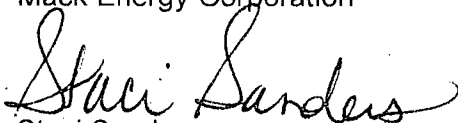
Mack Energy Corporation respectfully requests approval to surface commingle production from our Razorback Federal Lease. The Razorback Federal Lease has production from the Delaware and San Andres formations and we would like to commingle the production at the Tank Battery. Allocation for the oil and gas will be done using periodic well tests at the Tank Battery.

All wells going into the Tank Battery have identical working and revenue interests.

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

Sincerely,

Mack Energy Corporation


Staci Sanders
Land Department

Razorback Federal – Interest Owners

Office of Natural Resources
P.O. Box 25627
Denver, CO 80225-0627

Marathon Oil Company
P.O. Box 2069
Houston, TX 77252-2069

Chase Oil Corporation
P.O. Box 1767
Artesia, NM 88211

Robert C. Chase
P.O. Box 297
Artesia, NM 88211

Ventana Minerals LLC
P.O. Box 359
Artesia, NM 88211

DiaKan Minerals LLC
P.O. Box 693
Artesia, NM 88211

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40639	Pool Code 58060	Pool Name Tamano; San Andres
Property Code 38891	Property Name RAZORBACK FEDERAL	Well Number 2
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3752'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	3	18-S	31-E		330	NORTH	330	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

	<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=648800.8 N X=644114.0 E LAT.=32.782767° N LONG.=103.864416° W</p>	<p>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.</p> <p><u>Deana Weaver</u> 5.28.13 Signature Date Deana Weaver Printed Name <u>dweaver@mec.com</u> E-mail Address</p> <p>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.</p> <p>JUNE 5, 2012 Date of Survey Signature & Seal of Professional Surveyor: Certificate Number: Gary C. Eidson 12641 Ronald J. Eidson 3239 AF JWSC W.O. 12.11.1201</p>
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RECEIVED

SEP 22 2011

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
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39103	Pool Code 58060	Pool Name Tamano; San Andres
Property Code 38650	Property Name RAZORBACK FEDERAL	Well Number 1
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3754'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	3	18-S	31-E		710	NORTH	660	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
3	3	18-S	31-E		355	NORTH	2285	WEST	EDDY
Dedicated Acres 80	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>LOT 4</p> <p>710'</p> <p>2285'</p> <p>660'</p> <p>S.L. SEE DETAIL</p> <p>40.05 AC.</p>		<p>LOT 3</p> <p>355'</p> <p>B.H.</p> <p>GRID AZ. - 77°16'45"</p> <p>HORZ. DIST. - 1663.8'</p> <p>40.09 AC.</p> <p>3754.5'</p> <p>3757.2'</p> <p>600'</p> <p>3750.9'</p> <p>3747.7'</p> <p>DETAIL</p>	<p>LOT 2</p> <p>40.11 AC.</p> <p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=648423.2 N X=644446.1 E</p> <p>LAT. = 32.781725° N LONG. = 103.863341° W</p> <p>BOTTOM HOLE LOCATION Y=648789.5 N X=646068.7 E</p>	<p>LOT 1</p> <p>40.15 AC.</p>
<p>SECTION, QUARTER & SIXTEENTH CORNER COORDINATES</p> <p>A - Y=649128.5, X=643782.2</p> <p>B - Y=647807.8, X=643789.7</p> <p>C - Y=649146.9, X=646422.5</p> <p>D - Y=647826.2, X=646429.5</p>		<p>SCANNED</p>		

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 5.28.13
Signature Date

Deana Weaver
Printed Name

dweaver@mec.com
E-mail Address

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.

DECEMBER 27, 2010

Date of Survey

Signature & Seal of Professional Surveyor:

Ronald J. Eidson 9/21/2011
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

LA JWSC W.O.: 11.13.1987

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40928	Pool Code 97270	Pool Name Tamano; Delaware
Property Code 38891	Property Name RAZORBACK FEDERAL	Well Number 5
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3747'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	3	18-S	31-E		1650	NORTH	330	WEST	EDDY.

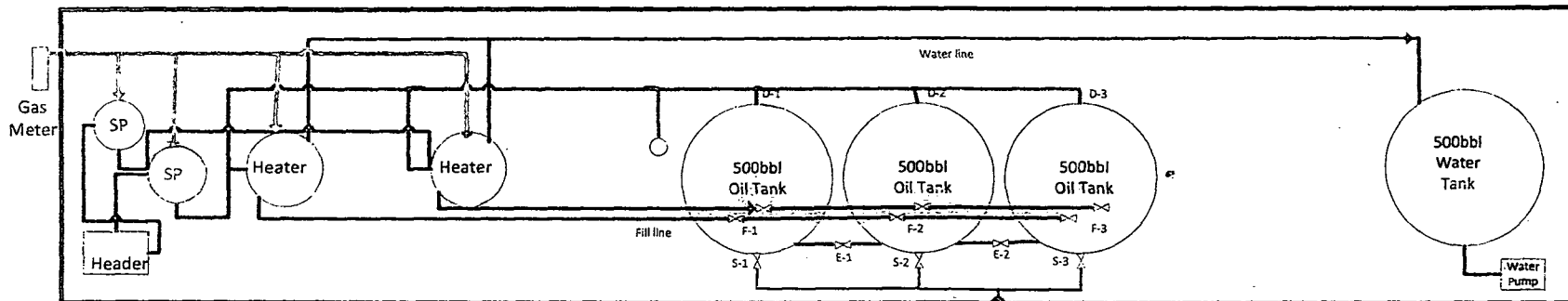
Bottom Hole Location If Different From Surface.

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.
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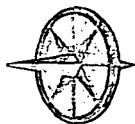
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>4 3 2 1</p> <p>1650'</p> <p>40.05 AC. 40.09 AC. 40.11 AC. 40.15 AC.</p> <p>330' S.L. SEE DETAIL</p> <p>DETAIL</p> <p>3747.6' 3746.2' 600' 3746.7' 3741.4'</p> <p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=647481.2 N X=644121.5 E LAT.=32.779139° N LONG.=103.864411° W</p> <p>RECEIVED</p> <p>MAILROOM</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Deana Weaver</i> 5.28.13 Signature Date</p> <p>Deana Weaver Printed Name</p> <p>dweaver@mec.com E-mail Address</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>JUNE 6, 2012</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor:</p> <p><i>Ronald J. Eidson</i> 6/12/2012</p> <p>Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239</p> <p>AF JWSC W.O.: 12.11.1204</p>
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Mack Energy Corporation
 PO Box 960 Artesia, NM 88211-0960
 Razorback Federal TB
 NWNW Sec. 3 T18S R31E

NORTH



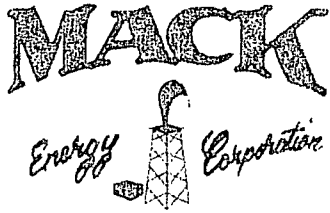
Truck Loading
 Valve

Production Phase

Tank 1	Tank 2	Tank 3
F-1 Open	F-1 Closed	F-1 Closed
F-2 Closed	F-2 Open	F-2 Closed
F-3 Closed	F-3 Closed	F-3 Open
E-1 Open	E-1 Open	E-1 Closed
E-2 Closed	E-2 Closed	E-2 Open
D-1 Open	D-1 Closed	D-1 Closed
D-2 Closed	D-2 Open	D-2 Closed
D-3 Closed	D-3 Closed	D-3 Open
S-1 Closed	S-1 Closed	S-1 Closed
S-2 Closed	S-2 Closed	S-2 Closed
S-3 Closed	S-3 Closed	S-3 Closed

Sales Phase

Tank 1	Tank 2	Tank 3
F-1 Closed	F-1 Closed	F-1 Open
F-2 Closed	F-2 Closed	F-2 Closed
F-3 Open	F-3 Closed	F-3 Closed
E-1 Closed	E-1 Closed	E-1 Open
E-2 Open	E-2 Open	E-2 Closed
D-1 Closed	D-1 Closed	D-1 Open
D-2 Closed	D-2 Closed	D-2 Closed
D-3 Open	D-3 Closed	D-3 Closed
S-1 Open	S-1 Closed	S-1 Closed
S-2 Closed	S-2 Open	S-2 Closed
S-3 Closed	S-3 Closed	S-3 Open



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

May 28, 2013

VIA CERTIFIED MAIL 7012 1010 0002 5887 4376

Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504-1148

Dear Sir or Madam:

Mack Energy Corporation is requesting administrative approval from the NMOCD for approval of surface commingling of production on our Razorback Federal Lease NMNM-89882. This lease produces from the Tamano; San Andres (58060), Tamano; Delaware (97270) and will be commingled at a tank battery located in the NW/4 NW/4 Sec. 3 T18S R31E. There are currently 2 producing wells within this lease. Razorback Federal #1 & #2 are producing Tamano; San Andres and Razorback Federal #5 will be completed in the Tamano; Delaware.

Ownership is common between the Razorback Lease.

Allocation for oil and gas will be done using periodic well tests at the TB shown in the facility diagram. Each well will be tested periodically to insure accurate. Should you have any questions please contact me @ 575-748-1288.

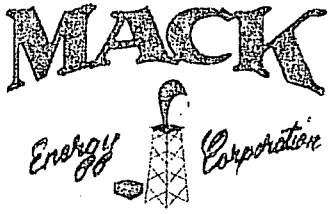
Sincerely,

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk
dweaver@mec.com

DW/

Enclosures



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

May 28, 2013

VIA CERTIFIED MAIL 7012 1010 0002 5887 4369

Marathon Oil Company
PO Box 2069
Houston, TX 77252-2069

Dear Sir or Madam:

Mack Energy Corporation is requesting administrative approval from the NMOCD for approval of surface commingling of production on our Razorback Federal Lease NMNM-89882. This lease produces from the Tamano; San Andres (58060), Tamano; Delaware (97270) and will be commingled at a tank battery located in the NW/4 NW/4 Sec. 3 T18S R31E. There are currently 2 producing wells within this lease. Razorback Federal #1 & #2 are producing Tamano; San Andres and Razorback Federal #5 will be completed in the Tamano; Delaware.

Ownership is common between the Razorback Lease.

Allocation for oil and gas will be done using periodic well tests at the TB shown in the facility diagram. Each well will be tested periodically to insure accurate Should you have any questions please contact me @ 575-748-1288.

Sincerely,

Deana Weaver
Production Clerk
dweaver@mec.com

DW/

Enclosures