

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.*

5. Lease Serial No.  
**NMNM-89882**

6. If Indian, Allottee or Tribe Name

*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**

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 recomplete 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 recompletion 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 105  
 4-21-2014

**RECEIVED**  
 APR 21 2014  
 NMOCD ARTESIA

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

Signature **Deana Weaver**

Title **Production Clerk**

Date **5.28.13**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

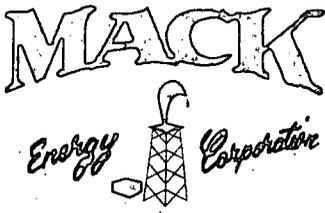
Approved by **/s/ JD Whitlock Jr**

Title **EPS**      Date **4/15/14**

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.

COPIES  
 8052



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,

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

Deana Weaver  
Production Clerk  
[dweaver@mec.com](mailto: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      Deana Weaver      Production Clerk      5.28.13  
 Print or Type Name      Signature      Title      Date

jerrys@mec.com  
 e-mail Address

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M E M O

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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

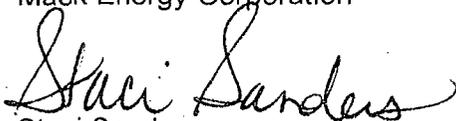
Mack Energy Corporation respectfully requests approval to surface commingle production from our Razorback Federal Lease. The Razorback Federal Lease has production from the Delaware and San Andres formations and we would like to commingle the production at the Tank Battery. Allocation for the oil and 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	
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Well Number 2 Elevation 3752'

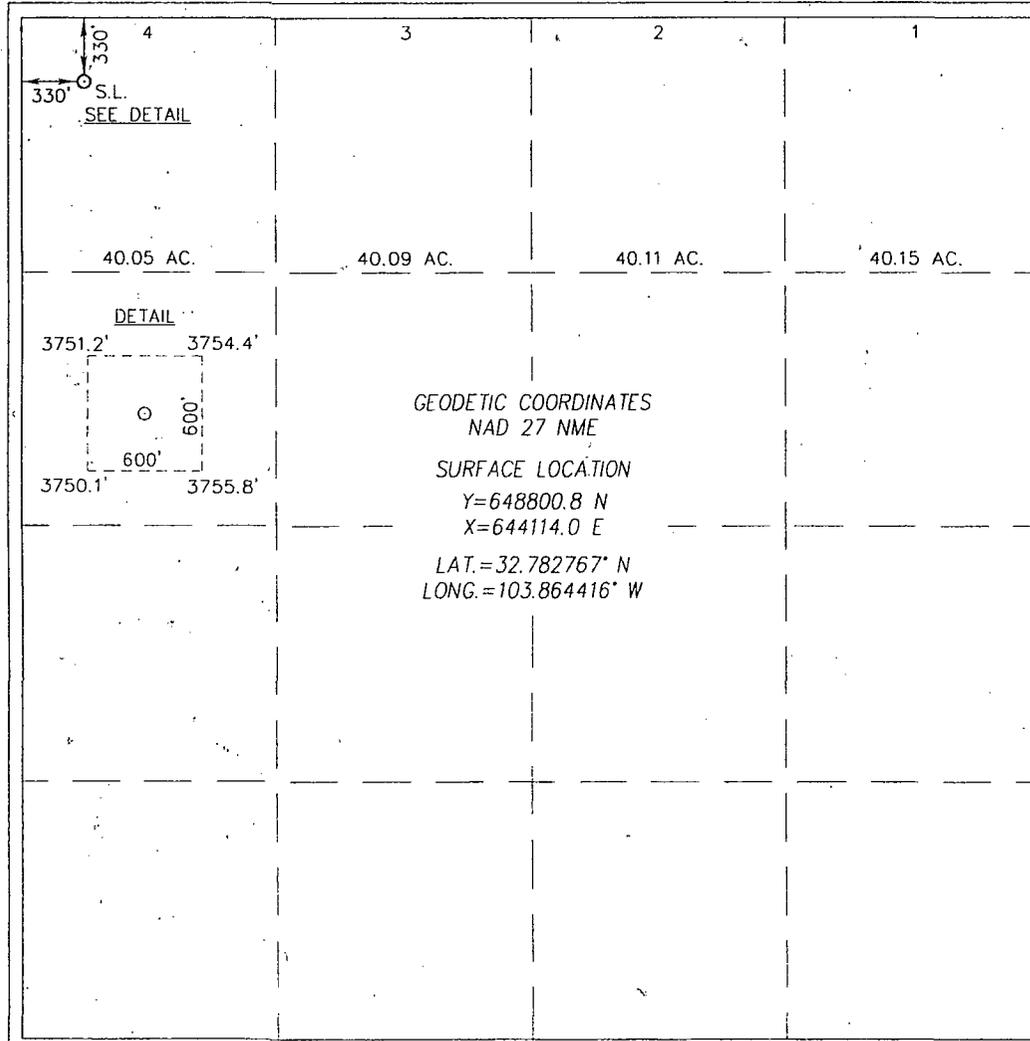
Surface Location

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



**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.

JUNE 5, 2012  
Date of Survey

Signature & Seal of Professional Surveyor:  
*Ronald J. Eidson*  
RONALD J. EIDSON  
NEW MEXICO  
3239  
3239  
07/12/2012

Certificate Number: Gary G. Eidson 12641  
Ronald J. Eidson 3239

AF JWSC W.O. 12.11.1201

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	
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	
		Well Number 1
		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><b>OPERATOR CERTIFICATION</b></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><b>SURVEYOR CERTIFICATION</b></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>DECEMBER 27, 2010 Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:    <i>Ronald J. Eidson</i> 9/21/2011          Certificate Number Gary G. Eidson 12641          Ronald J. Eidson 3239</p>
<p>SECTION, QUARTER &amp; SIXTEENTH CORNER COORDINATES</p> <p>Ⓐ - Y=649128.5, X=643782.2</p> <p>Ⓑ - Y=647807.8, X=643789.7</p> <p>Ⓒ - Y=649146.9, X=646422.5</p> <p>Ⓓ - Y=647826.2, X=646429.5</p>	

SCANNED

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  
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 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 30-015-40928	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

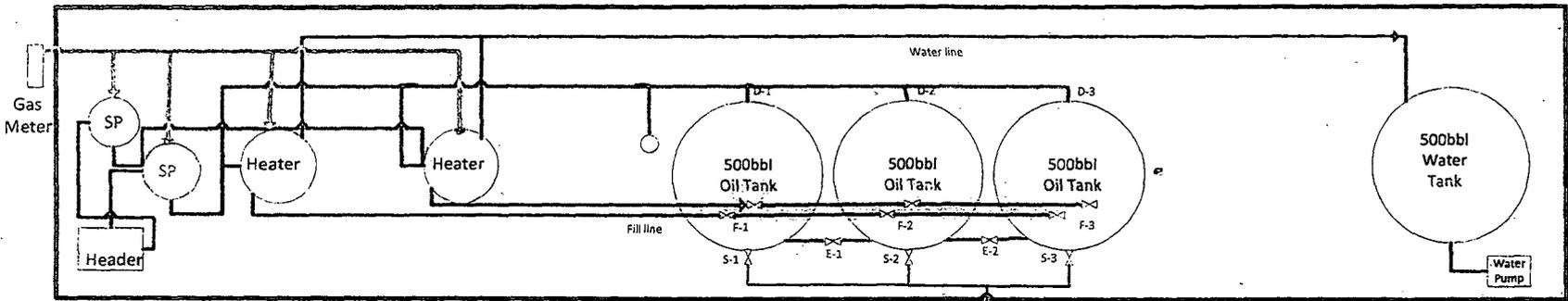
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

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

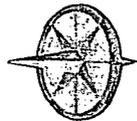
	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right 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> 5.28.12        Signature Date</p> <p>Deana Weaver        Printed Name</p> <p>dweaver@mec.com        E-mail Address</p>
	<p><b>SURVEYOR CERTIFICATION</b></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        Signature &amp; Seal of Professional Surveyor:</p> <p><i>Ronald J. Eidson</i> 07/12/2012        Certificate Number Gary G. Eidson 12641        Ronald J. Eidson 3239</p> <p>AF JWSC W.O.: 12.11.1204</p>

RECEIVED  
 MAILROOM



Mack Energy Corporation  
 PO Box 960 Artesia, NM 88211-0960  
 Razorback Federal TB  
 NWNW Sec. 3 T18S R31E

NORTH

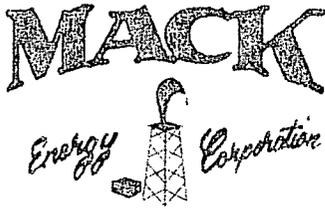


Production Phase

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

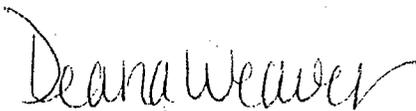
Dear Sir or Madam:

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.

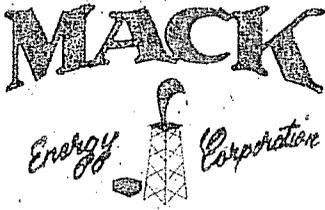
Allocation for oil and gas will be done using periodic well tests at the TB shown in the facility diagram. Each well will be tested periodically to insure accurate. Should you have any questions please contact me @ 575-748-1288.

Sincerely,

  
Deana Weaver  
Production Clerk  
[dweaver@mec.com](mailto: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,

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

Deana Weaver  
Production Clerk  
[dweaver@mec.com](mailto:dweaver@mec.com)

DW/

Enclosures