

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM ON DIVISION
ARTESIA DISTRICT
Artesia
DEC 14 2017
RECEIVEDFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for 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**

5. Lease Serial No.
NMNM121950
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No.
WATERLOO FEDERAL 4
9. API Well No.
30-005-64228
10. Field and Pool or Exploratory Area
ROUND TANK SAN ANDRES
11. County or Parish, State
CHAVES COUNTY, NM

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other
2. Name of Operator
MACK ENERGY CORPORATION
Contact: JERRY W SHERRELL
E-Mail: jerrys@mec.com
- 3a. Address
PO BOX 960
ARTESIA, NM 88211-0960
- 3b. Phone No. (include area code)
Ph: 575-748-1288
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 20 T15S R29E Mer NMP SENW 2310FNL 1650FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Off-Lease Measuremen t
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomple 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 respectfully requests approval for off-lease storage and measurement of oil and gas production as shown on attachments for the Waterloo Federal #1-#6 wells, located in the NW/4 of Sec. 20 T15S R29E. Oil and Gas will be stored and measured at our Prince Rupert Federal #1 TB NWSW Sec. 20 T15S R29E.

No federal royalties will be reduced nor improper measurement will occur as a result of this approval.

Working interest owners are identical and affiliates of Mack Energy Corporation.

Prince Rupert Federal Wells NMNM131580
#1 30-005-64222 ✓

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

DC 12-14-17
Accepted for record - NMOCD

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #396560 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Roswell Committed to AFMSS for processing by JENNIFER SANCHEZ on 12/01/2017 ()	
Name (Printed/Typed) JERRY W SHERRELL	Title PRODUCTION CLERK
Signature (Electronic Submission)	Date 11/30/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____ Date _____
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 _____	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any 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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #396560 that would not fit on the form

32. Additional remarks, continued

#2 30-005-64223 ✓
3H 30-005-64241
Waterloo Federal Wells NMNM121950
#1 30-005-64227 ✓
#2 30-005-64238 ✓
#3 30-005-64239 ✓
#4 30-005-64228 ✓
#5 30-005-64274 ✓
#6 30-005-64275 ✓

} AHPD



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

November 28, 2017

Bureau of Land Management
Attn: Jennifer Sanchez
2909 W Second Street
Roswell, NM 88202-2909

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 14 2017

RECEIVED

Dear Sir:

Mack Energy Corporation is requesting administrative approval from the Bureau of Land Management for approval of Off Lease Measurement and Storage of Oil and Gas production from our Waterloo Federal #1-6 wells NW/4 and S/2SW/4, Sec. 20 T15S R29E, at our Prince Rupert Federal CTB, located in Unit L Sec. 20 T15S R29E. The oil production from the Waterloo Federal wells will be measured, stored and sold from the CTB location. Gas production will be transported through an approved pipeline to a sales point on DCP's gathering system in Unit N, Sec. 19 T15S R29E.

Allocation of production will be measured through well testing of individual wells on 7 day intervals. The CTB will be equipped with a test production train. Oil measured by tank gauging and gas measured using a Total Flow Meter. Water will be measured through a turbine meter.

All interest owners involved are identical and affiliates of Mack Energy Corporation.

Sincerely,

Jerry W. Sherrell
Production Clerk
jerrys@mec.com

JWS/

Enclosures

Gas Pipelined to Sales Meter

Allocation
Gas Meters

Prince Rupert
Federal #1

Mack Energy
Corporation
11344 Lovington Hwy
Artesia, NM 88210

Prince Rupert TB
NWSW Sec. 20 T15S
R29E

Prince Rupert Federal Wells

NMNM-131580

#1 30-005-64222

#2 30-005-64223

3H 30-005-64241

Waterloo Federal Wells

NMNM-121950

#1 30-005-64227

#2 30-005-64238

#3 30-005-64239

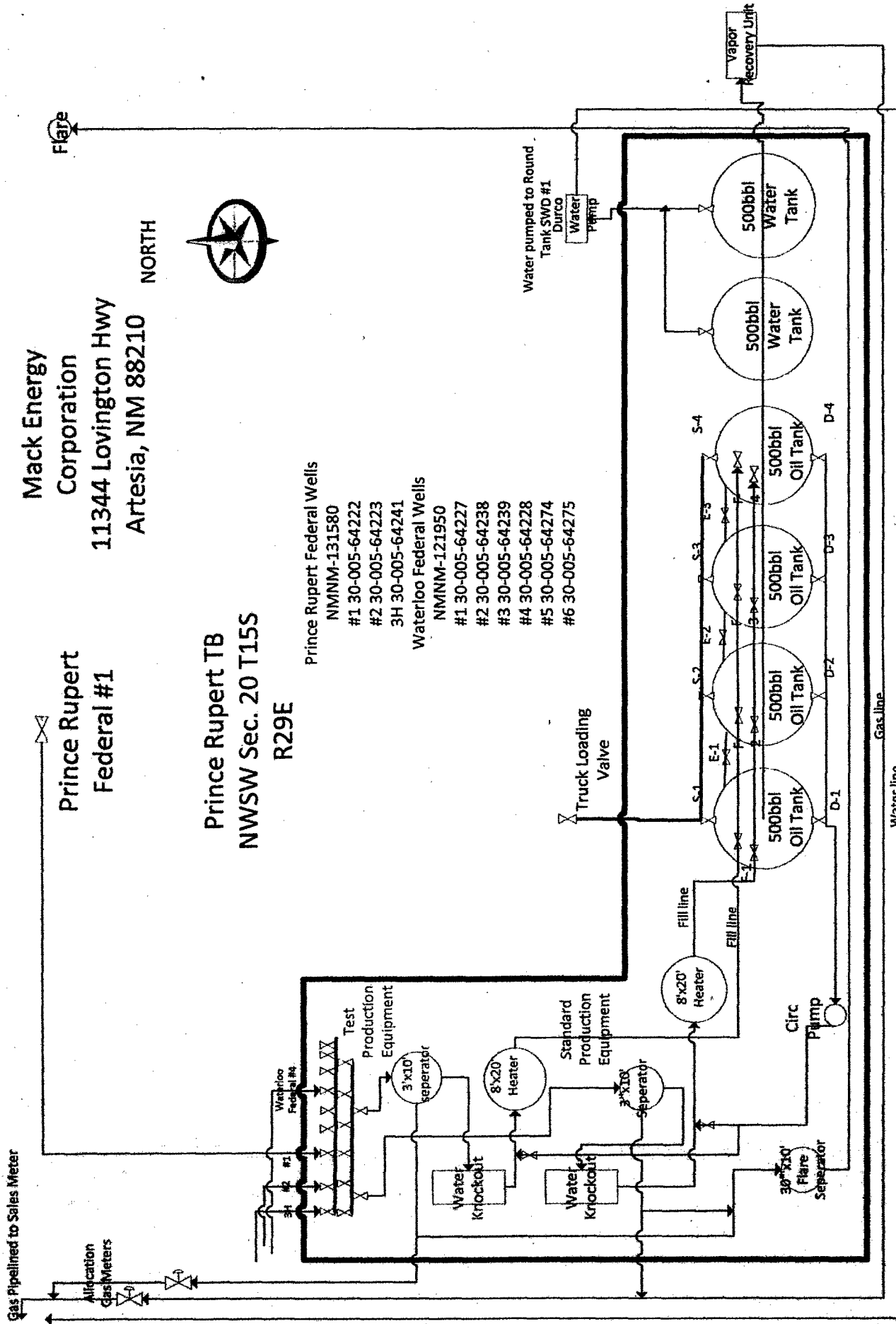
#4 30-005-64228

#5 30-005-64274

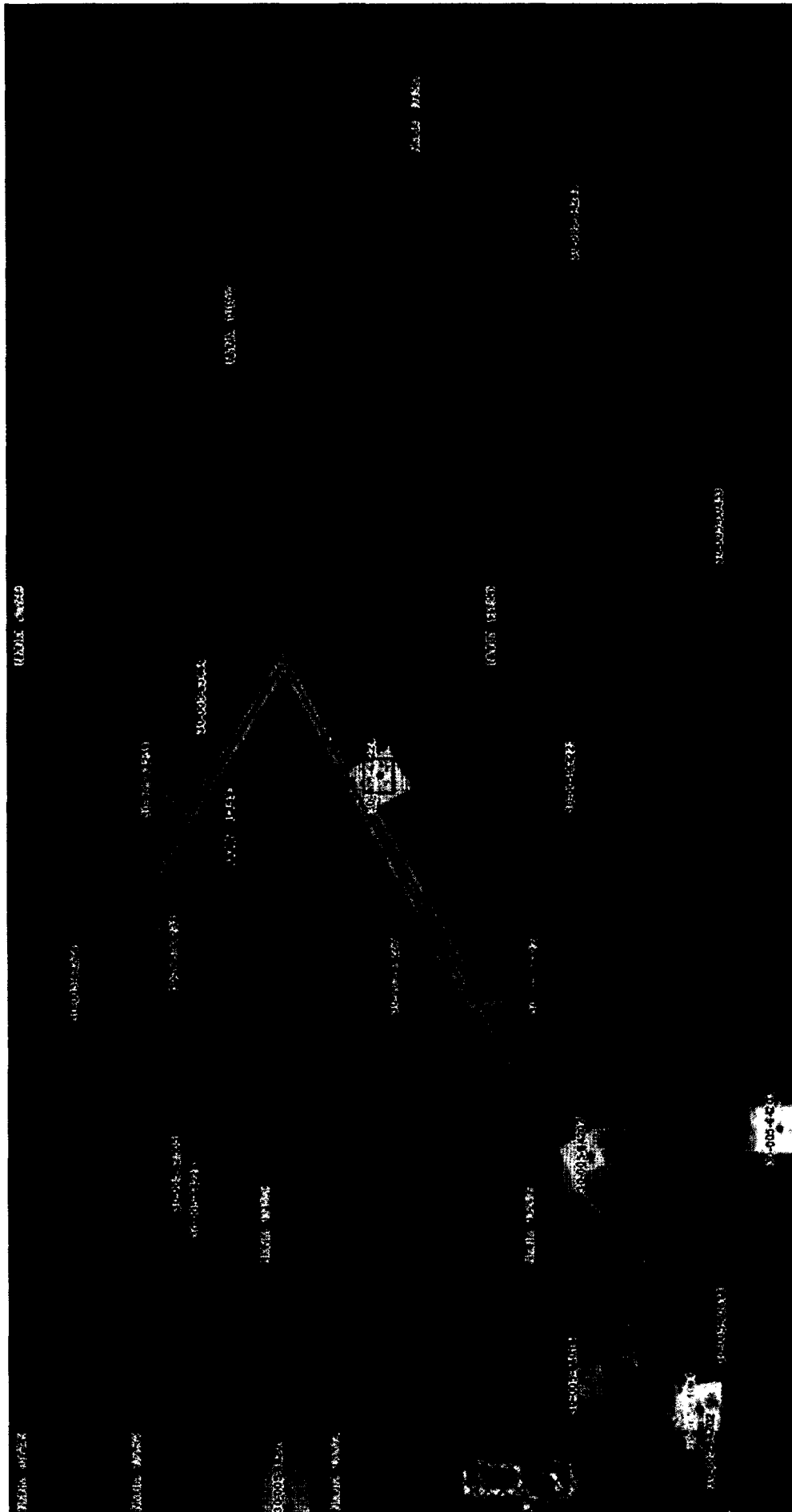
#6 30-005-64275



NORTH



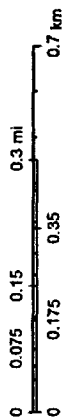
ArcGIS Web Map



November 16, 2017

- Well Locations - Large Scale
- Call other values
- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporarily Abandoned
- Gas Active
- Gas Cancelled, Never Oiled
- Gas New
- Gas Plugged
- Gas Temporarily Abandoned
- Injection Active
- Injection Cancelled
- Injection New
- Injection Plugged
- Injection Temporarily Abandoned
- Oil Active
- Oil Cancelled
- Oil New
- Oil Plugged
- Oil Temporarily Abandoned
- Salt Water Injection Active
- Salt Water Injection Cancelled
- Salt Water Injection New
- Salt Water Injection Plugged
- Salt Water Injection Temporarily Abandoned
- Water Active
- Water Cancelled
- Water New
- Water Plugged
- Water Temporarily Abandoned

1:9,028



OGD
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors,
and the GIS user community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,
Web AppBuilder for ArcGIS
NM OSE | U.S. BLM | US Census Bureau, NMDOT | BLM | OGD | USDA FSA, DigitalGlobe, Microsoft, CNES/Airbus DS | Esri, HERE, Garmin, IPC |

Lines

● **Override 1**

● **Override 2**

Areas

● **Override 1**

Wall Locations - Large Scale

● **<all other values>**

⊕ **Miscellaneous**

OGD
 Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors,
 and the GIS user community
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,

Division: NMA OSE 10 S, BLM 11 US Census Bureau, NMDOT 1 RLM 1 OCH 1 USDA FSA, DentalGlobe, Microsoft, CMES/Airbus DS 1 San, HERE, Garmin, IPC 1
 Web App/Provider for ArcGIS

MEMO

DATE: October 12, 2017

TO: NMOCD

FROM: Staci Sanders

RE: Off Lease Storage & Measurement

Waterloo Federal #4

Unit F, Sec. 20, T15S, R29E

Chaves County, New Mexico

Prince Rupert Federal Tank Battery

Unit L, Sec. 20, T15S, R29E

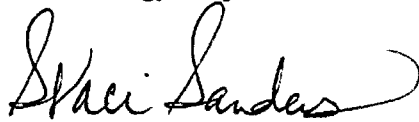
Chaves County, New Mexico

Mack Energy Corporation is requesting approval for Off Lease Storage & Measurement for the Waterloo Federal #4 well to be located at the Prince Rupert Federal Tank Battery, which is located at the Prince Rupert Federal #1 Well (L-20-T15S-R29E). The working interest owners in all leases involved are identical and are affiliates of Mack Energy Corporation.

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

Sincerely,

Mack Energy Corporation



Staci Sanders

Land Manager

DEC 14 2017

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

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

☐ AMENDED REPORT

¹ API Number 30-005-64222		¹ Pool Code 52770	¹ Pool Name Round Tank; San Andres	
⁴ Property Code 314204	⁴ Property Name WATERLOO FEDERAL			⁴ Well Number 1
¹ OGRID No. 13837	⁴ Operator Name MACK ENERGY CORPORATION			⁴ Elevation 3751.1

U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	15 S	29 E		2460	NORTH	330	WEST	CHAVES

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	15 S	29 E		2285	NORTH	355	WEST	CHAVES

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------------	--------------------	-----------------------	--------------

N89°53'47"E 2637.31 FT N89°52'35"E 2634.03 FT "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 on which the proposed bottom hole location or has a right to drill this well on this 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 previously entered by the division.

Signature: Jerry W. Sherrell Date: 8-25-14
 Printed Name: Jerry W. Sherrell
 E-mail Address: jerry5@mcc.com

"SURVEYOR CERTIFICATION"

I hereby certify that the well location shown on this plan 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.

DATE 28 JUL 2014
 Date of Survey: 112794
 Signature and Seal of Registered Surveyor: [Signature]
 Certificate Number: 112794 (12794)
 SURVEY NO. 12794

S89°43'39"W 2633.85 FT S89°53'39"W 2642.73 FT

DEC 14 2017

Santa Fe, NM 87505

District Office

☐ AMENDED REPORT

N89°53'47"E 2637.31 FT N89°52'35"E 2634.03 FT

NW CORNER SEC. 20
LAT. = 33.0086793°N
LONG. = 104.0592070°W
NMSP EAST (FT)
N = 730802.99
E = 625370.10

N/E CORNER SEC. 20
LAT. = 33.008670°N
LONG. = 104.0420156°W
NMSP EAST (FT)
N = 730813.44
E = 630640.06

W/4 CORNER SEC. 20
LAT. = 33.0014276°N
LONG. = 104.0592265°W
NMSP EAST (FT)
N = 728185.36
E = 625371.02

E/4 CORNER SEC. 20
LAT. = 33.0014268°N
LONG. = 104.042246°W
NMSP EAST (FT)
N = 728179.05
E = 630583.33

SW CORNER SEC. 20
LAT. = 32.9941778°N
LONG. = 104.0592265°W
NMSP EAST (FT)
N = 725527.69
E = 625379.72

S/E CORNER SEC. 20
LAT. = 32.9941741°N
LONG. = 104.0419921°W
NMSP EAST (FT)
N = 725540.51
E = 630661.92

WATERLOO FEDERAL #2
ELEV. = 7356.1'
LAT. = 33.0059555°N (NAD83)
LONG. = 104.0581377°W
NMSP EAST (FT)
N = 729813.60
E = 625700.51

NOTE:
LATITUDE AND LONGITUDE COORDINATES
ARE SHOWN USING THE NORTH
AMERICAN DATUM OF 1983 (NAD83).
LISTED NEW MEXICO STATE PLANE EAST
COORDINATES APC GRID (NAD83). BASE
OF BEARING AND DISTANCES USED ARE
NEW MEXICO STATE PLANE EAST
COORDINATES MODIFIED TO THE
SURFACE.

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 or has a right to drill this well at this
location pursuant to a contract I 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.

Jerry W. Sherrell 5-28-2015
Signature Date

Jerry W. Sherrell
Printed Name

jerryse@mac.com
E-mail Address

"SURVEYOR CERTIFICATION"
I hereby certify that the well location shown on this
plot was plotted from field notes of actual surveys
made by me or under my supervision, and that the
same are true and correct to the best of my belief.
MAY 11 2014
Date of Survey

HKS
Signature and Seal of Professional Surveyor

Certificate Number FBANKS-PF-FARM 10.015-12707
STATE SURV. NO. 2883

S89°43'39"W 2639.85 FT S89°53'39"W 2643.73 FT

NM OIL CONSERVATION ARTIFISIA DISTRICT

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

District I
1625 N. French Dr. H-Box, NM 87505
Phone (505) 946-6161 Fax (505) 946-6162
District II
611 S. First St. Artesa, NM 87520
Phone (505) 466-1234 Fax (505) 466-1235
District III
1000 Rio Brazos Road, Artesa, NM 87520
Phone (505) 311-6178 Fax (505) 311-6179
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-1160 Fax (505) 476-1162

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-005-64239	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 314204	⁵ Property Name WATERLOO FEDERAL	
⁶ OGRID No. 13837	⁷ Operator Name MACK ENERGY CORPORATION	⁸ Well Number 3
		⁹ Elevation 3769.6

Surface Location

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	15 S	29 E		805	NORTH	1615	WEST	CHAVES

Bottom Hole Location If Different From Surface

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	15 S	29 E		965	NORTH	1675	WEST	CHAVES

¹⁰ Dedicated Acres 40	¹¹ Joint or Infill	¹² Consolidation Code	¹³ 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.

NW CORNER SEC. 20 LAT. = 33.0086773°N LONG. = 104.0582070°W NMSP EAST (FT) N = 730802.99 E = 625370.10		N/4 CORNER SEC. 20 LAT. = 33.0086712°N LONG. = 104.0506060°W NMSP EAST (FT) N = 730807.76 E = 628006.72		NE CORNER SEC. 20 LAT. = 33.0086670°N LONG. = 104.0420158°W NMSP EAST (FT) N = 730813.44 E = 630640.06	
1615' 170.77' S20°34'02"E 170.77' BOTTOM OF HOLE LAT. = 33.0060218°N LONG. = 104.0537517°W NMSP EAST (FT) N = 729841.27 E = 627045.00		SURFACE LOCATION WATERLOO FEDERAL 3 ELEV. = 3769.6 LAT. = 33.0064616°N (NAD83) LONG. = 104.0539459°W NMSP EAST (FT) N = 730001.11 E = 626985.03		E/4 CORNER SEC. 20 LAT. = 33.0014268°N LONG. = 104.042246°W NMSP EAST (FT) N = 728179.05 E = 630593.33	
W/4 CORNER SEC. 20 LAT. = 33.0014278°N LONG. = 104.0592265°W NMSP EAST (FT) N = 728165.36 E = 625371.02		NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MOVED TO THE SURFACE.		SW CORNER SEC. 20 LAT. = 32.9941778°N LONG. = 104.0592205°W NMSP EAST (FT) N = 725527.69 E = 625379.72	
S/4 CORNER SEC. 20 LAT. = 32.9941805°N LONG. = 104.0536126°W NMSP EAST (FT) N = 725535.53 E = 628018.99		SE CORNER SEC. 20 LAT. = 32.9941741°N LONG. = 104.0419921°W NMSP EAST (FT) N = 725440.51 E = 630661.92		589°49'39"W 2639.55' FT 589°51'39"W 2643.73' FT	

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 has a valid mineral interest in the land including the proposed bottom hole location or has a right to drill this well on this location pursuant to a contract with an owner of such a mineral or leasing interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jerry W. Shemell 8-25-14
Signature Date

Jerry W. Shemell
Printed Name

jerry@emec.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 are true and correct to the best of my belief.

JUL 24 2014
Date of Survey

[Signature]
Signature

Certification Number: 12797
SURVEY NO. 12797

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6101 Fax (505) 393-6120
District II
111 S. First St., Artesia, NM 88210
Phone (505) 743-1231 Fax (505) 743-9720
District III
1906 Rio Brazos Road, Artesia, NM 88210
Phone (505) 334-6170 Fax (505) 334-6170
District IV
1229 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
NM OIL CONSERVATION DIVISION
ARTESIA DISTRICT
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-005-64228	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 314204	⁵ Property Name WATERLOO FEDERAL	
⁶ OGRID No. 13837	⁷ Operator Name MACK ENERGY CORPORATION	
		⁸ Well Number 4
		⁹ Elevation 3758.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	15 S	29 E		2310	NORTH	1650	WEST	CHAVES

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

N89°53'47"E 2637.31 FT NW CORNER SEC. 20 LAT. = 33.0086773°N LONG. = 104.0592070°W NMSP EAST (FT) N = 730802.99 E = 625370.10		N89°52'35"E 2534.03 FT N/4 CORNER SEC. 20 LAT. = 33.0086712°N LONG. = 104.0506060°W NMSP EAST (FT) N = 730807.76 E = 628006.72		NE CORNER SEC. 20 LAT. = 33.0086670°N LONG. = 104.0420158°W NMSP EAST (FT) N = 730813.44 E = 630640.06	
W/4 CORNER SEC. 20 LAT. = 33.0014276°N LONG. = 104.0592265°W NMSP EAST (FT) N = 728165.36 E = 625371.02		WATERLOO FEDERAL #4 ELEV. = 3758.5' LAT. = 33.0023260°N (NAD83) LONG. = 104.0538431°W NMSP EAST (FT) N = 728496.55 E = 627020.55			
SW CORNER SEC. 20 LAT. = 32.9941778°N LONG. = 104.0592205°W NMSP EAST (FT) N = 725527.69 E = 625379.72		S/4 CORNER SEC. 20 LAT. = 32.9941805°N LONG. = 104.0506125°W NMSP EAST (FT) N = 725535.63 E = 628018.88		SE CORNER SEC. 20 LAT. = 32.9941741°N LONG. = 104.0418921°W NMSP EAST (FT) N = 725540.51 E = 630661.92	

"OPERATOR CERTIFICATION"
I hereby certify that the information contained herein is true and complies 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jerry W. Sherrell 8-25-2014
Signature Date

Jerry W. Sherrell
Printed Name

jerryse@me.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.

MAY 1, 2014
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

Certificate Number **PILIMON E. LARASILLLO, PLS 12707**
SURVEY NO. 298

District I
 1623 N. French Dr., Hobbs, NM 88240
 Phone: (505) 963-8181 Fax: (505) 963-0726
 District II
 411 S. First St., Artesia, NM 88210
 Phone: (505) 746-1251 Fax: (505) 746-9726
 District III
 1000 Rio Bravo Road, Arco, NM 87410
 Phone: (505) 124-6179 Fax: (505) 124-6179
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87503
 Phone: (505) 476-1461 Fax: (505) 476-1462

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

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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-64222		Pool Code 52770	Pool Name Round Tank; San Andres	
Property Code 314080	Property Name PRINCE RUPERT FEDERAL			Well Number 1
GRID No. 13837	Operator Name MAC K ENERGY CORPORATION			Elevation 3749.7
Surface Location				
TL or lot no. L	Section 20	Township 15 S	Range 29 E	Feet from the 1900
		North/South line SOUTH		Feet from the 330
		East/West line WEST		County CHAVES
Bottom Hole Location If Different From Surface				
TL or lot no. L	Section 20	Township 15 S	Range 29 E	Feet from the 1649
		North/South line SOUTH		Feet from the 356
		East/West line WEST		County CHAVES
Dedicated Acres	Joint or In RJ	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.

NW CORNER SEC. 20 LAT. = 33.0086773°N LONG. = 104.0592070°W NMSP EAST (FT) N = 730802.99 E = 625370.10		N/4 CORNER SEC. 20 LAT. = 33.0086712°N LONG. = 104.0586080°W NMSP EAST (FT) N = 730807.76 E = 628006.72		NE CORNER SEC. 20 LAT. = 33.0086670°N LONG. = 104.0420158°W NMSP EAST (FT) N = 730813.44 E = 630640.06	
W/4 CORNER SEC. 20 LAT. = 33.0014276°N LONG. = 104.0592265°W NMSP EAST (FT) N = 728165.36 E = 625371.02		PRINCE RUPERT FEDERAL 1 ELEV. = 3749.7' LAT. = 32.9993990°N (NAD83) LONG. = 104.0581501°W NMSP EAST (FT) N = 727426.14 E = 625702.92		E/4 CORNER SEC. 20 LAT. = 33.0014268°N LONG. = 104.0422246°W NMSP EAST (FT) N = 728179.05 E = 630583.33	
SURFACE LOCATION 330' 306'38"31"E 356' 326'40"F		BOTTOM OF HOLE LAT. = 32.9987808°N LONG. = 104.0580666°W NMSP EAST (FT) N = 727203.31 E = 625729.10		SE CORNER SEC. 20 LAT. = 32.9941741°N LONG. = 104.0419921°W NMSP EAST (FT) N = 725540.51 E = 630661.92	
SW CORNER SEC. 20 LAT. = 32.9941778°N LONG. = 104.0592205°W NMSP EAST (FT) N = 725527.69 E = 625379.72		S/4 CORNER SEC. 20 LAT. = 32.9941805°N LONG. = 104.0586126°W NMSP EAST (FT) N = 728535.83 E = 628018.88			
589°49'39"W 2639.85 FT		589°53'39"W 2643.73 FT			

"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 or has a right to drill this well at this 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.

Deana Weaver 10/20/16
 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 are true and correct to the best of my belief.

[Signature]
 Date of Survey (12797)
 State of New Mexico
 Certificate Number 12797
 SURVEY NO. 28048

NM OIL CONSERVATION ARTESIA DISTRICT

DEC 14 2017

District I
1625 N French Pl., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
611 S. First St., Artesia, NM 88210
Phone: (575) 745-1283 Fax: (575) 745-9720
District III
1000 Rio Bonito Road, Artesia, 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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

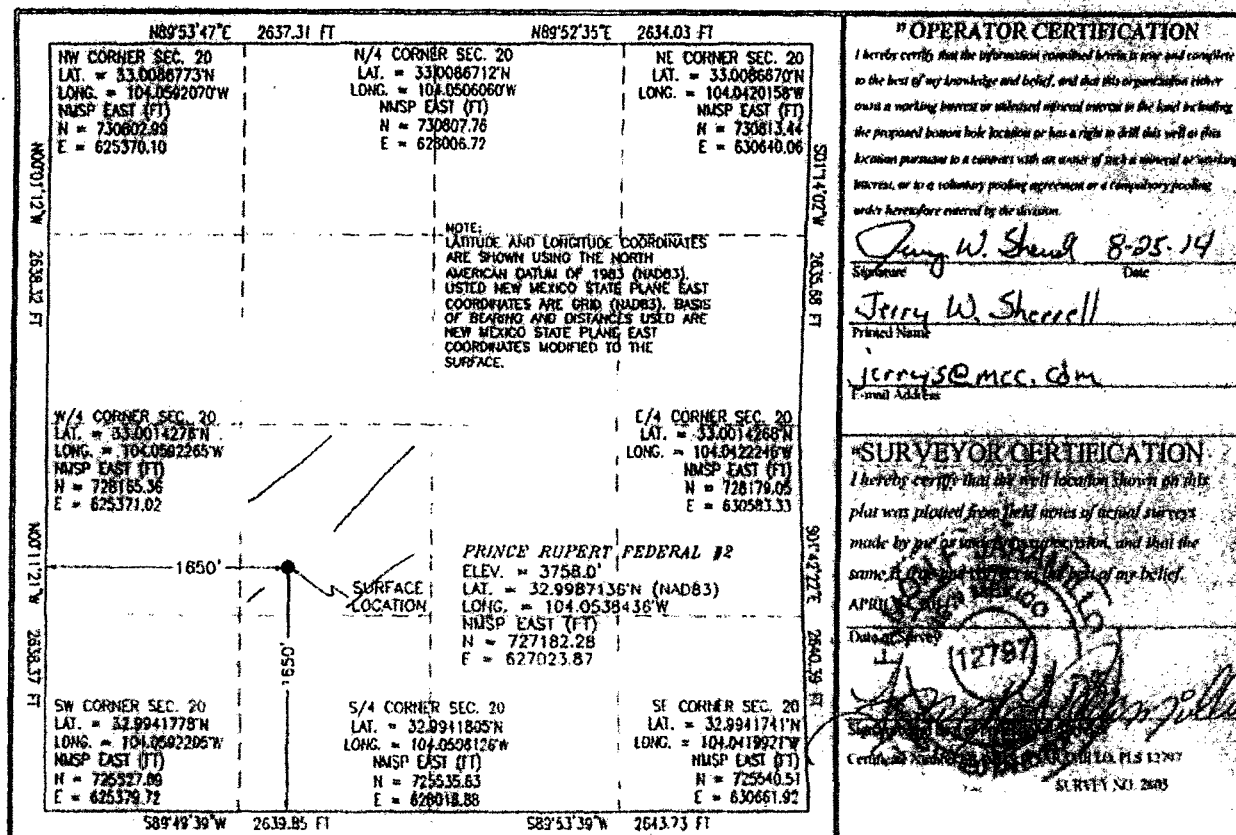
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-005-64223		2 Pool Code 52770		3 Pool Name Round Tank; San Andres	
4 Property Code 31480		5 Property Name PRINCE RUPERT FEDERAL			6 Well Number 2
7 OGRID No. 13837		8 Operator Name MACK ENERGY CORPORATION			9 Elevation 3758.0
10 Surface Location					
U1. or lot no. K	Section 20	Township 15 S	Range 29 E	Lot Idn 1650	North/South line SOUTH
		Feet from the 1650		East/West line WEST	
		County CHAVES			
11 Bottom Hole Location If Different From Surface					
U1. or lot no.	Section	Township	Range	Lot Idn	North/South line
		Feet from the		East/West line	
		County			
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code	
				15 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.



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-4161 Fax: (505) 393-6720
District II
511 S. First St., Artesia, NM 88210
Phone: (505) 744-1343 Fax: (505) 744-9720
District III
1000 Rio Grande Road, Artesia, NM 88210
Phone: (505) 314-0174 Fax: (505) 314-4176
District IV
1226 S. St. Francis Dr., Santa Fe, NM 87501
Phone: (505) 176-1460 Fax: (505) 176-1462

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

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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-64241		Pool Code 52770	Pool Name Round Tank; San Andres
Property Code 314080	Property Name PRINCE RUPERT FEDERAL		Well Number 3H
GORID No. 13837	Operator Name MACK ENERGY CORPORATION		Elevation 3780.5

* Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	17	15 S	29 E		330	SOUTH	2160	EAST	CHAVES

* 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
O	20	15 S	29 E		259	SOUTH	2267	EAST	CHAVES

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 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 or has a right to drill this well at this 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. Signature: <u>Deana Weaver</u> Date: <u>5/9/17</u> Printed Name: <u>Deana Weaver</u> E-mail Address: <u>dweaver@mec.com</u>
	"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 26, 2016 F. J. JARAMILA Date of Sign: <u>SEPTEMBER 26, 2016</u> Signature: <u>[Signature]</u> Professional Surveyor Certificate Number: <u>12797</u> F.S. 12797 SURVEY NO. <u>25628</u>

**BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) SERIAL REGISTER PAGE**

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01 12-22-1987;101STAT1330;30USC181 ET SEQ

Total Acres
240.000

Serial Number
NMNM-- - 121950

Case Type 312021: O&G LSE COMP PD -1987

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED Case File Juris:

Serial Number: NMNM-- - 121950

Name & Address			Int Rel	%Interest
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	OPERATING RIGHTS	0.000000000
MARSHALL & WINSTON INC	PO BOX 50880	MIDLAND TX 797100880	LESSEE	100.000000000

Serial Number: NMNM-- - 121950

Mer Twp	Rng	Sec	SType	Nr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23	0150S	0290E	020	ALIQ	NW,S2SW;	ROSWELL FIELD OFFICE	CHAVES	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 121950

Act Date	Code	Action	Action Remarks	Pending Office
12/04/2008	387	CASE ESTABLISHED	200901034;	
01/06/2009	299	PROTEST FILED	Wild Earth Guardians	
01/21/2009	143	BONUS BID PAYMENT RECD	\$480.00;	
01/21/2009	191	SALE HELD		
01/21/2009	267	BID RECEIVED	\$144000.00;	
01/23/2009	143	BONUS BID PAYMENT RECD	\$143520.00;	
04/09/2009	298	PROTEST DISMISSED	WILD EARTH GUARDIANS	
04/15/2009	237	LEASE ISSUED		
04/24/2009	974	AUTOMATED RECORD VERIF	BCO	
05/01/2009	496	FUND CODE	05;145003	
05/01/2009	530	RLTY RATE - 12 1/2%		
05/01/2009	868	EFFECTIVE DATE		
03/31/2014	932	TRF OPER RGTS FILED	MARSHALL/CHASE OIL;1	
08/08/2014	933	TRF OPER RGTS APPROVED	EFF 04/01/14;	
08/08/2014	974	AUTOMATED RECORD VERIF	DME	
04/30/2019	763	EXPIRES		

Line Nr	Remarks	Serial Number: NMNM-- - 121950
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0002	STIPULATIONS ATTACHED TO LEASE:
0003	SENM-S-19 PLAYAS AND ALKALI LAKES
0004	SEC.20:E2SESW.
0005	08/08/2014 RENT PD 05/01/2014 PER ONRR

**BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) SERIAL REGISTER PAGE**

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01 12-22-1987;101STAT1330;30USC181 ET SEQ
Case Type 312021: O&G LSE COMP PD -1987
Commodity 459: OIL & GAS
Case Disposition: AUTHORIZED Case File Juris:

Total Acres
320.000

Serial Number
NMNM-- - 131580

Serial Number: NMNM-- - 131580

Name & Address			Int Rel	%Interest
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	OPERATING RIGHTS	0.000000000
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	LESSEE	100.000000000
CHASE ROBERT C	PO BOX 297	ARTESIA NM 882111297	OPERATING RIGHTS	0.000000000
DIAKAN MINERALS LLC	PO BOX 693	ARTESIA NM 882110693	OPERATING RIGHTS	0.000000000
VENTANA MINERALS LLC	PO BOX 359	ARTESIA NM 882110359	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 131580

Mer Twp	Rng	Sec	SType	Nr SUFF	Subdivision	District/Resource Area	County	Mgmt Agency
23	0150S	0290E	020	ALIQ	W2NE,N2SW,SE;	ROSWELL FIELD OFFICE	CHAVES	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 131580

Act Date	Code	Action	Action Remarks	Pending Office
11/20/2013	387	CASE ESTABLISHED	201310004;	
11/21/2013	143	BONUS BID PAYMENT RECD	\$640.00;	
11/21/2013	191	SALE HELD		
11/21/2013	267	BID RECEIVED	\$112000.00;	
12/03/2013	143	BONUS BID PAYMENT RECD	\$111360.00;	
02/06/2014	237	LEASE ISSUED		
02/06/2014	974	AUTOMATED RECORD VERIF	JS	
03/01/2014	496	FUND CODE	05;145003;	
03/01/2014	530	RLTY RATE - 12 1/2%		
03/01/2014	868	EFFECTIVE DATE		
03/14/2014	899	TRF OF ORR FILED	1	
03/28/2014	932	TRF OPER RGTS FILED	CHASE OIL/CHASE ROB;1	
07/28/2014	933	TRF OPER RGTS APPROVED	EFF 04/01/14;	
07/28/2014	974	AUTOMATED RECORD VERIF	DME	
09/27/2016	650	HELD BY PROD - ACTUAL	/1/	
10/08/2016	643	PRODUCTION DETERMINATION	/1/	
11/10/2016	899	TRF OF ORR FILED	1	
11/10/2016	932	TRF OPER RGTS FILED	CHASE OIL/CHASE ROB;1	
01/09/2017	658	MEMO OF 1ST PROD-ACTUAL	/1/#1 PRINCE RUPERT;	
01/20/2017	933	TRF OPER RGTS APPROVED	/A/EFF 12/01/16;	
01/20/2017	974	AUTOMATED RECORD VERIF	EMR	

Line Nr Remarks

Serial Number: NMNM-- - 131580

0002 STIPULATIONS ATTACHED TO LEASE:
0003 NM-11-LN SPECIAL CULTURAL RESOURCE
0004 SENM-S-19 APLYAS AND ALKALI LAKES
0005 SEC. 020 W2NE,NESW,W2SE;
0006 SENM-S-20 SPRINGS, SEEPS AND TANKS
0007 SEC.020 W2NE;

NO WARRANTY IS MADE BY BLM
FOR USE OF THE DATA FOR
PURPOSES NOT INTENDED BY BLM

**BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) SERIAL REGISTER PAGE**

Run Date/Time: 11/22/17 08:44 AM

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0008	BONDED OPERATORS/LESSEES/TRANSFEREES:
0009	1/20/17-MACK ENE CORP-NMB000286-SW/NM-PECOS DO ONLY;
0010	/A/OPERATING RIGHTS ASSIGNMENT CORRECTION;

**Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287
(575) 627-0272**

**Off-Lease Measurement, Off-Lease Storage, And Surface Commingling
Conditions Of Approval**

1. This agency will be notified of any change in your sales method or location of the sales meter.
2. This agency shall be notified of any spill or discharge as required by NTL-3A.
3. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
4. This approval is subject to like approval by the New Mexico Oil Conservation Division.
5. Additional wells and/or leases require additional commingling approvals.
6. Contact the BLM Roswell Field Office at least 24 hours prior to the commencing any monthly well test. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.
7. This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days an application for right-of-way approval must be submitted to the Realty Section to the BLM Roswell Field Office at 2909 West Second Street, Roswell, New Mexico 88201-1287 for wells in Chaves or Roosevelt County if you have not already done so.

Nine wells being commingled (30-005-64222, 30-005-64223, 30-005-64241, 30-005-64227, 30-005-64238, 30-005-64239, 30-005-64228, 30-005-64274, and 30-005-64275) each well is 100% Federal leases. Prince Rupert wells are on lease NMNM-131580 and Waterloo wells are on lease NMNM121950. All wells are producing from the San Andres Formation within the same section. The Federal leases are both 12.5% royalty rate. Operator has proposed allocation method.

JAM 121117