

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM 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**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM59038
2. Name of Operator MACK ENERGY CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: JERRY W SHERRELL E-Mail: jerrys@mec.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address PO BOX 960 ARTESIA, NM 88211-0960	3b. Phone No. (include area code) Ph: 575-748-1288	8. Well Name and No. THUNDER BAY FEDERAL COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T15S R29E Mer NMP NENW 10FNL 1675FWL		9. API Well No. 30-005-64308
		10. Field and Pool or Exploratory Area ROUND TANK; SAN ANDRES
		11. County or Parish, State CHAVES COUNTY, 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"/> Hydraulic Fracturing	<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
	<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 respectfully requests approval for a CTB Facility for measurement and sales of oil/gas production of our Thunder Bay Federal Com 1H (30-005-64308) and Hamilton Federal Com 1H (30-005-64307). CTB facility will be located in the SWSW Sec. 22 T15S R29E. The Central Tank Battery will be equipped with two production trains, to effectively test wells for proper allocation. Mack Energy requests approval to conduct 7 day test intervals for proper allocation. Gas will be allocated with a test meter and allocation meter at this facility. The sales point for gas production is located in the SWSE of Sec. 4 T16S R29E.

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MAY 03 2018

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

DISTRICT II-ARTESIA O.C.D.

5-3-18
Accepted for record - NMOCD

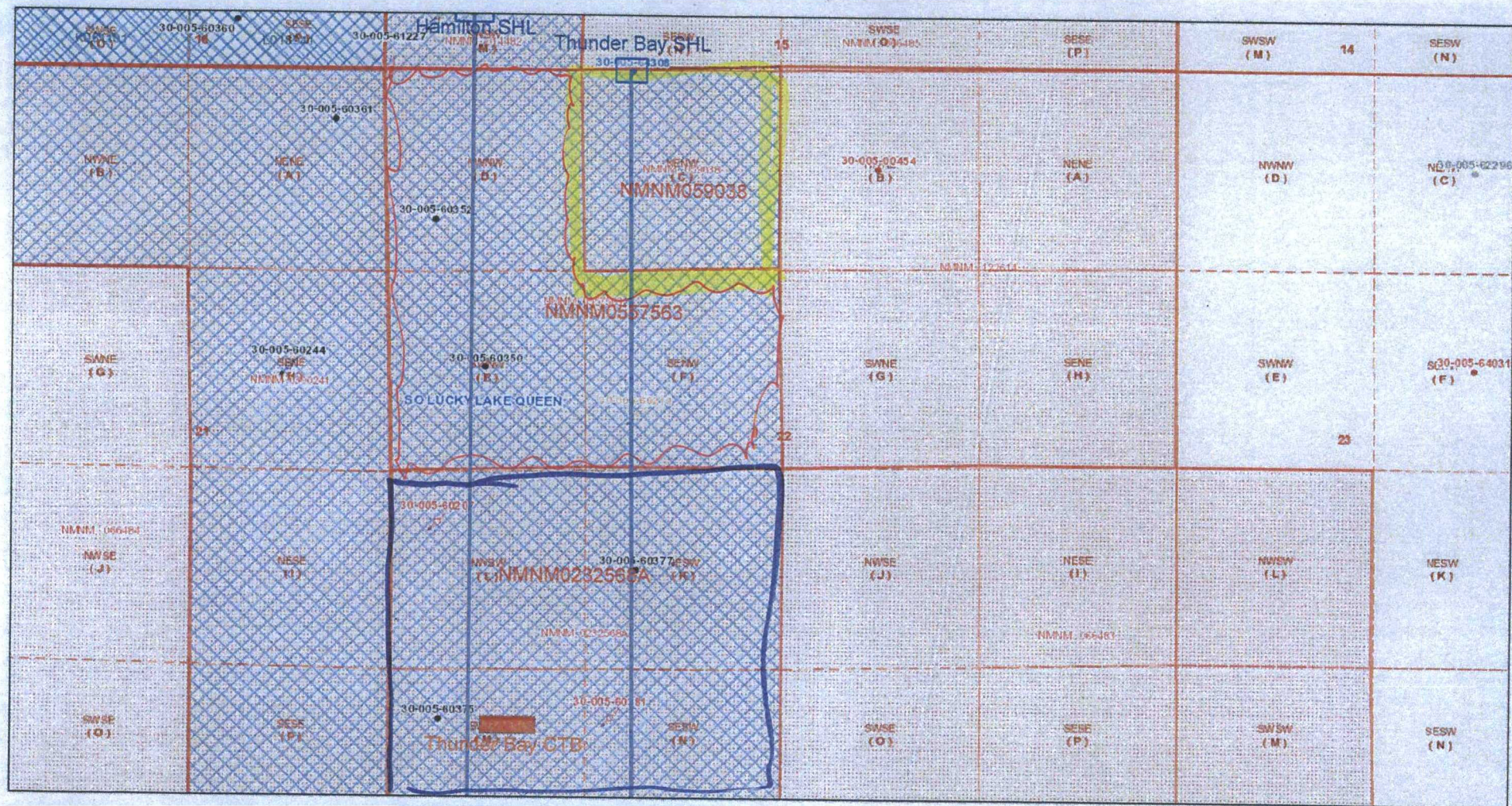
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #411989 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Roswell Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/23/2018 ()	
Name (Printed/Typed) JERRY W SHERRELL	Title PRODUCTION CLERK
Signature (Electronic Submission)	Date 04/23/2018
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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 ****

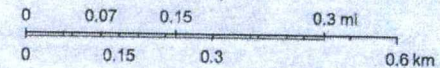
OCD Well Locations



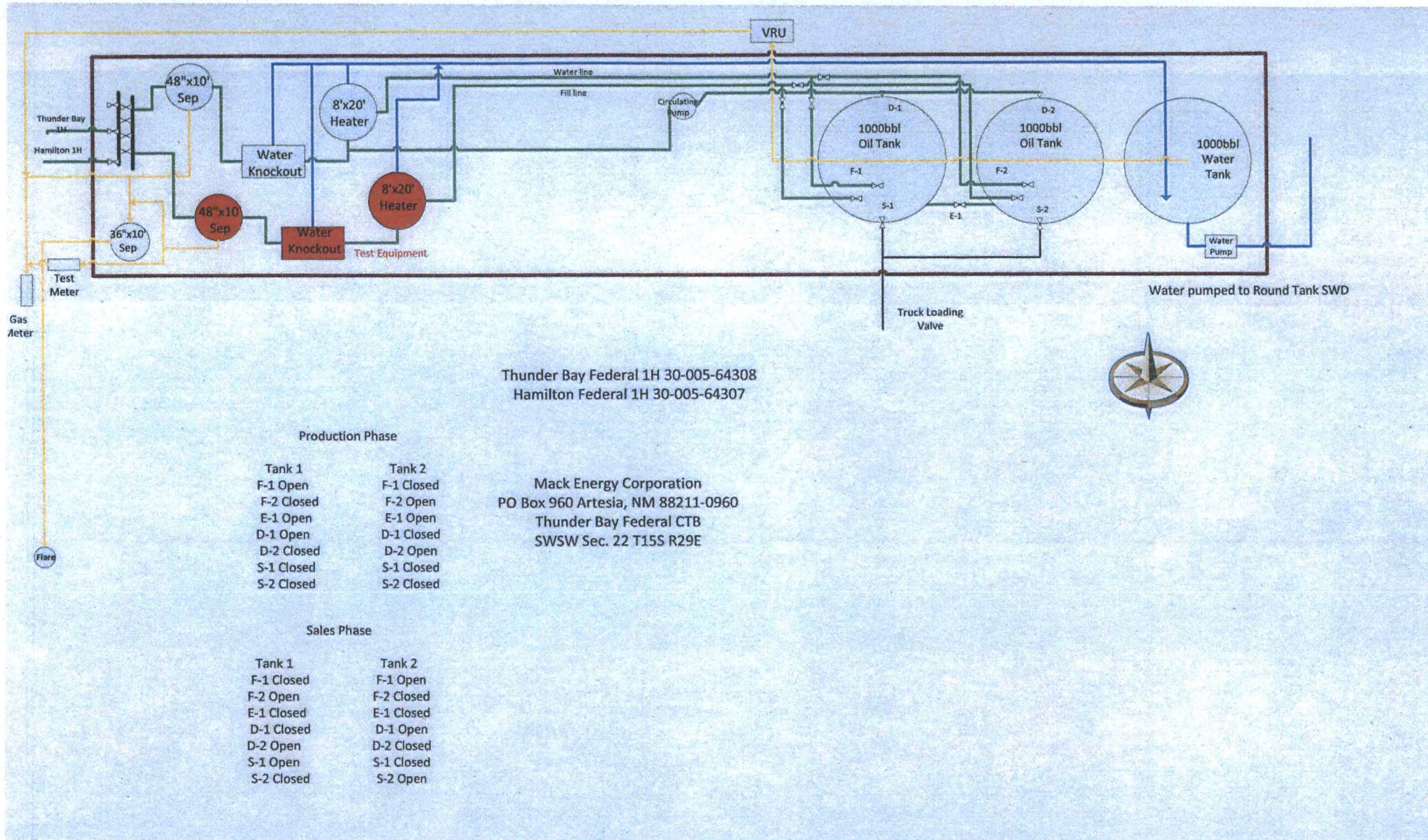
April 30, 2018

-  Override 1
 Areas
 Override 1
 Override 2
 Override 3
-  New
 Plugged
 Cancelled
 Temporarily Abandoned
- Well Locations - Small Scale
 Active
- Well Locations - Large Scale
 Miscellaneous

1:9,028



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Thunder Bay/Hamilton CTB

Additional Data

- 1) A Map showing how it's location on and lease boundaries.
Attached.
- 2) List of all the leases/Com agreements and I believe they are all 12.5% so please state that.
Com Agreements not created yet. These leases are 12.5%, with a Schedule B increase to 25% based on production. We do not believe this will happen based on other wells we have completed in this area.
- 3) Need to show that all the gas is the same quality and the value will not be reduced upon mixing.
All gas from Round Tank; San Andres Pool. (oil + gas)
- 4) We will need more details on the type of meters you will be using.
Allocation and Test Meters are Total Flow Model 6213.

Production on wells will be reported to the
Com Agreement once they are created
(wells are not drilled yet).

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DISTRICT II-ARTESIA O.C.D.

Form C-102

Revised August 1, 2011

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

ARTESIA DISTRICT

DEC 27 2017

AMENDED REPORT

Underfoot
 1625 N. French Dr., Hobbs, NM 88241
 Phone (505) 785-6101 Fax (505) 785-6102
 District II
 511 S. First St., Artesia, NM 88210
 Phone (202) 785-1245 Fax (505) 785-1246
 District III
 1000 Rio Hondo Blvd., Aztec, NM 87410
 Phone (202) 551-1111 Fax (505) 551-1112
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone (505) 785-1160 Fax (505) 785-1161

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-64308		Pool Code 52770	Pool Name Round Tank; San Andres
Property Code 320520	Property Name THUNDER BAY FEDERAL COM		Well Number 1H
GRID No. 13837	Operator Name MACK ENERGY CORPORATION		Elevation 3844.9

Surface Location

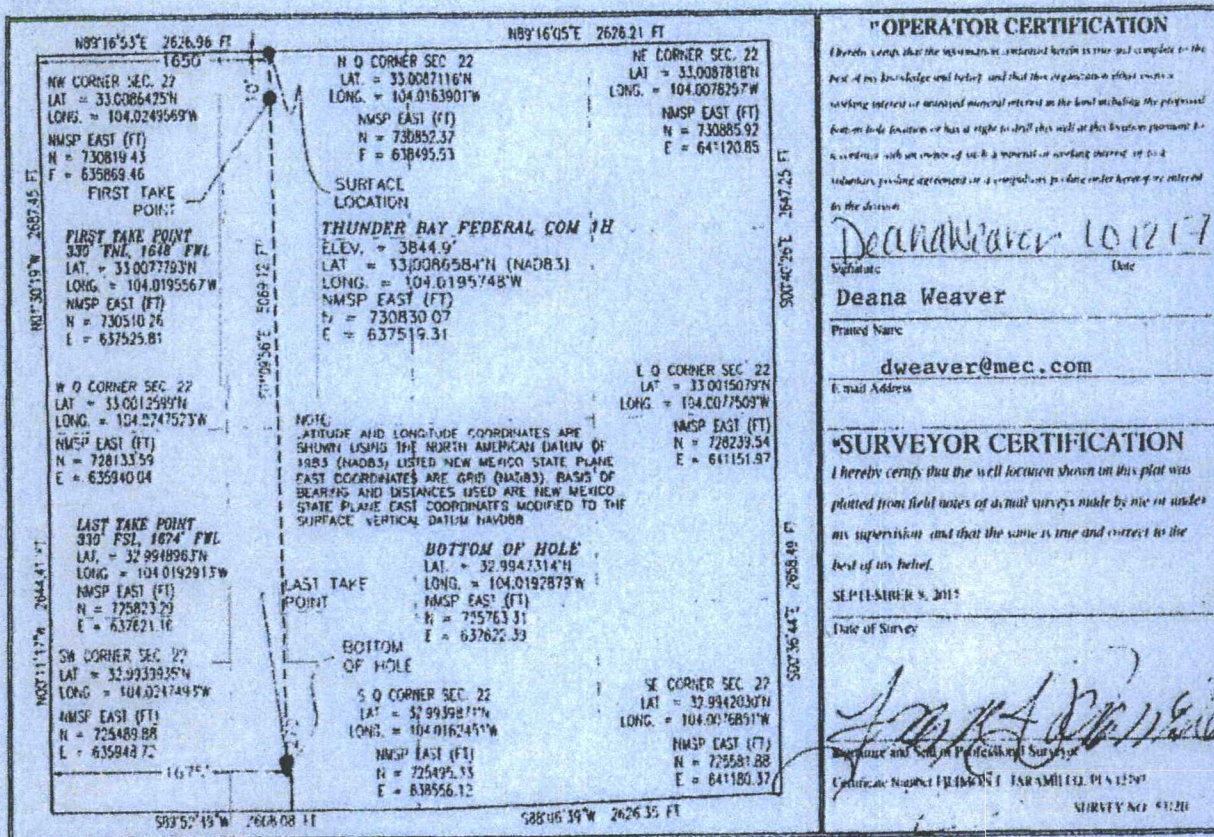
U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	15 S	29 E		10	NORTH	1650	WEST	CHAVES

Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	22	15 S	29 E		270	SOUTH	1675	WEST	CHAVES

Dedicated Acres	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.



MAY 03 2018

☐ AMENDED REPORT

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.

W O CORNER SEC 15
LAT = 33.023284618 N
LONG = 104.024854317 W
NWSP EAST (FT)
N = 736145.75
E = 835885.28

W O CORNER SEC 15
LAT = 33.018224343 N
LONG = 104.0248725 W
NWSP EAST (FT)
N = 735565.21
E = 835687.45

SW CORNER SEC 15
LAT = 33.0084925 N
LONG = 104.0249267 W
NWSP EAST (FT)
N = 730019.43
E = 835889.46

W O CORNER SEC 22
LAT = 33.00125979 N
LONG = 104.0274757 W
NWSP EAST (FT)
N = 728133.56
E = 835940.04

SW CORNER SEC 22
LAT = 32.9939935 N
LONG = 104.0274973 W
NWSP EAST (FT)
N = 725480.82
E = 835948.72

N O CORNER SEC 15
LAT = 33.023284618 N
LONG = 104.024854317 W
NWSP EAST (FT)
N = 736145.75
E = 835885.28

N O CORNER SEC 15
LAT = 33.023284618 N
LONG = 104.024854317 W
NWSP EAST (FT)
N = 736145.75
E = 835885.28

S O CORNER SEC 15
LAT = 33.0287116 N
LONG = 104.0183591 W
NWSP EAST (FT)
N = 730852.37
E = 836495.53

SE CORNER SEC 15
LAT = 33.0087818 N
LONG = 104.0078257 W
NWSP EAST (FT)
N = 736885.92
E = 841140.79

SE CORNER SEC 22
LAT = 33.0215079 N
LONG = 104.0077509 W
NWSP EAST (FT)
N = 728236.54
E = 841151.97

SE CORNER SEC 22
LAT = 32.9942030 N
LONG = 104.0076851 W
NWSP EAST (FT)
N = 725481.08
E = 841180.37

HAMILTON FEDERAL COM. 1H
ELEV = 3483.7
LAT = 33.0397108 N (NAD83)
LONG = 104.0229943 W
NWSP EAST (FT)
N = 731209.87
E = 836449.94

S O CORNER SEC 15
LAT = 33.0287116 N
LONG = 104.0183591 W
NWSP EAST (FT)
N = 730852.37
E = 836495.53

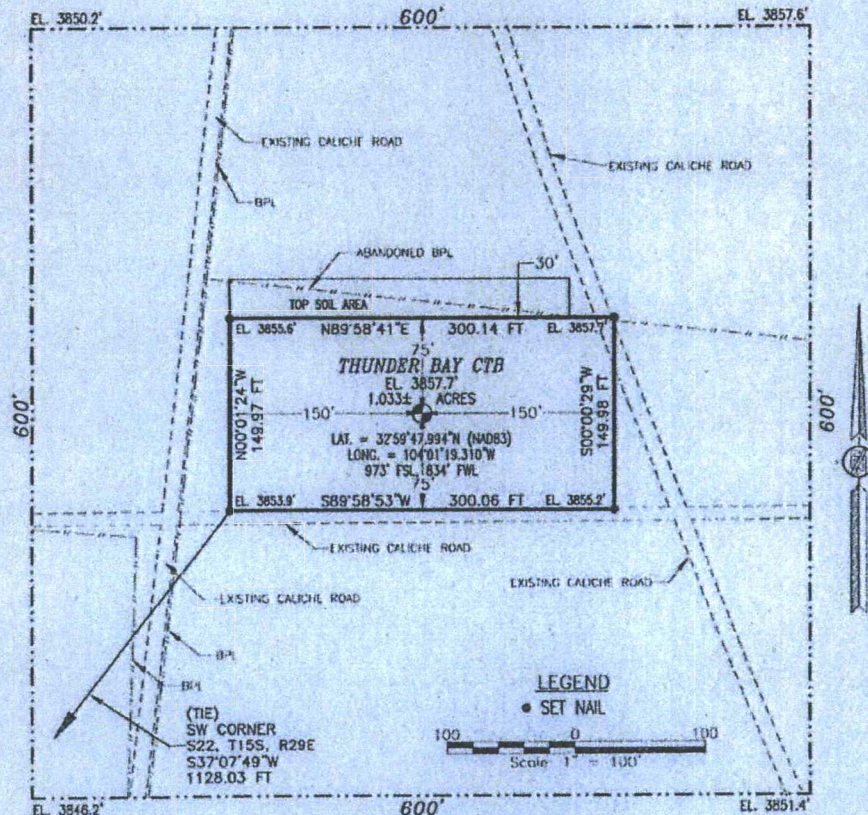
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SE CORNER SEC 22
LAT = 32.9942030 N
LONG = 104.0076851 W
NWSP EAST (FT)
N = 725481.08
E = 841180.37

THUNDER BAY CTB
MACK ENERGY CORPORATION
 IN THE SW/4 SW/4 OF
 SECTION 22, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO

JANUARY 30, 2018



DESCRIPTION

A CERTAIN PIECE OR PARCEL OF LAND AND REAL ESTATE LYING IN THE SW/4 SW/4 OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 29 EAST N.M.P.M., CHAVES COUNTY, NEW MEXICO.

BEGINNING AT THE SOUTHWEST CORNER OF THE PARCEL, WHENCE THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M. BEARS S37°07'49\"W, A DISTANCE OF 1128.03 FEET;
 THENCE N00°01'24\"W A DISTANCE OF 149.97 FEET TO THE NORTHWEST CORNER OF THE PARCEL;
 THENCE N89°58'41\"E A DISTANCE OF 300.14 FEET TO THE NORTHEAST CORNER OF THE PARCEL;
 THENCE S00°00'29\"W A DISTANCE OF 149.98 FEET TO THE SOUTHEAST CORNER OF THE PARCEL;
 THENCE S89°58'53\"W A DISTANCE OF 300.06 FEET TO THE SOUTHWEST CORNER OF THE PARCEL, TO THE POINT OF BEGINNING;
 CONTAINING 1.033 ACRES MORE OR LESS.

GENERAL NOTES

- 1.) THE INTENT OF THIS SURVEY IS TO ACQUIRE A BUSINESS LEASE FOR THE PURPOSE OF BUILDING A CENTRAL TANK BATTERY
- 2.) BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST ZONE MODIFIED TO THE SURFACE (NAD83)

DRIVING DIRECTIONS: FROM THE INTERSECTION OF U.S. HIGHWAY 82 & CK 217 (HAGERMAN CUTOFF) GO NORTH ON CK 217 FOR APPROX. 10.5 MILES, TURN LEFT (WEST) ON 25' CALICHE LEASE ROAD (COUNTY LINE ROAD) CONTINUE WEST APPROX. 2.1 MILES, TURN RIGHT (NORTHWEST) AND CONTINUE APPROX. 1.5 MILES TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREDY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 22 DAY OF FEBRUARY, 2018

[Signature]
 FILMON F. JARAMILLO, PLS 12797
 501 SOUTH CANAL
 CARLSBAD, NEW MEXICO 88501
 Phone (505) 234-3341

MADRON SURVEYING, INC.
 501 SOUTH CANAL
 CARLSBAD, NEW MEXICO 88501
 Phone (505) 234-3341

SURVEY NO. 5991

SHEET: 1-3

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

**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 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.

Two wells being commingled (30-005-64308 and 30-005-64307) each well is 100% Federal leases. All wells are producing from the San Andres Formation in close proximity of each other. The wells will have Com Agreements created once drilled and the production will be reported to the Com agreements. Operator has proposed acceptable allocation method.

JAM 043018