

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONSERVATION DIVISION

811 S. FIRST STREET
ARTESIA, NM 88210

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.		5. Lease Serial No. NMNM-121950
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator Mack Energy Corporation		7. If Unit of CA/Agreement, Name and/or No.
3a. Address P.O. Box 960 Artesia, NM 88210-0960	3b. Phone No. (include area code) (575) 748-1288	8. Well Name and No. Waterloo Federal #2
4. Location of Well (Footage, Sec., T,R,M, or Survey Description) 990 FNL & 330 FWL, Sec. 20 T15S R29E		9. API Well No. 30-005-64238
		10. Field and Pool or Exploratory Area Round Tank; San Andres
		11. Country or Parish, State Chaves, 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>Move Location</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 recomplate 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 is requesting approved to move the Waterloo Federal #2 location 150' west of current location. New footages will be 990 FNL & 330 FWL Sec. 20 T15S R29E. All other Conditions of Approval are applicable.

Accepted for record
NMOCD

AWD 6/30/15

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 29 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
Jerry W. Sherrell	Title Production Clerk
Signature <i>Jerry W. Sherrell</i>	Date 5/27/15

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	<i>\S\ Ruben J. Sanchez</i>	Assistant Field Manager,	Date JUN 26 2015
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.		Title Lands And Minerals	
		Office Roswell Field	

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.

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

District II
311 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) 334-6175 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, 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 30-005-64238	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 314204	⁵ Property Name WATERLOO FEDERAL	
⁷ GRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	
		⁶ Well Number 2
		⁹ Elevation 3756.1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	15 S	29 E		990	NORTH	330	WEST	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

¹³ 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.

<p>N89°53'47"E 2637.31 FT</p> <p>NW CORNER SEC. 20 LAT. = 33.0086773°N LONG. = 104.0592070°W NMSP EAST (FT) N = 730802.99 E = 625370.10</p>		<p>N89°52'35"E 2634.03 FT</p> <p>N/4 CORNER SEC. 20 LAT. = 33.0086712°N LONG. = 104.0506060°W NMSP EAST (FT) N = 730807.76 E = 628006.72</p>		<p>NE CORNER SEC. 20 LAT. = 33.0086670°N LONG. = 104.0420158°W NMSP EAST (FT) N = 730813.44 E = 630640.06</p>	
<p>0.66'</p> <p>330'</p> <p>WATERLOO FEDERAL #2 ELEV. = 3756.1 SURFACE LOCATION LAT. = 33.0059555°N (NAD83) LONG. = 104.0581377°W NMSP EAST (FT) N = 729813.60 E = 625700.51</p>		<p>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 MODIFIED TO THE SURFACE.</p>		<p>501°14'02"W 2635.68 FT</p>	
<p>W/4 CORNER SEC. 20 LAT. = 33.0014276°N LONG. = 104.0592265°W NMSP EAST (FT) N = 728165.36 E = 625371.02</p>		<p>E/4 CORNER SEC. 20 LAT. = 33.0014268°N LONG. = 104.0422246°W NMSP EAST (FT) N = 728179.05 E = 630583.33</p>		<p>501°42'22"E 2640.39 FT</p>	
<p>SW CORNER SEC. 20 LAT. = 32.9941778°N LONG. = 104.0592205°W NMSP EAST (FT) N = 725527.69 E = 625379.72</p>		<p>S/4 CORNER SEC. 20 LAT. = 32.9941805°N LONG. = 104.0506126°W NMSP EAST (FT) N = 725535.63 E = 628018.88</p>		<p>SE CORNER SEC. 20 LAT. = 32.9941741°N LONG. = 104.0419921°W NMSP EAST (FT) N = 725540.51 E = 630661.92</p>	
<p>S89°49'39"W 2639.85 FT</p>		<p>S89°53'39"W 2643.73 FT</p>		<p>501°14'02"W 2635.68 FT</p>	

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 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 under heretofore entered by the division.

Jerry W. Sherrell 5-28-2015
Signature Date

Jerry W. Sherrell
Printed Name

jerrys@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.

MAY 11 2014
Date of Survey 12797

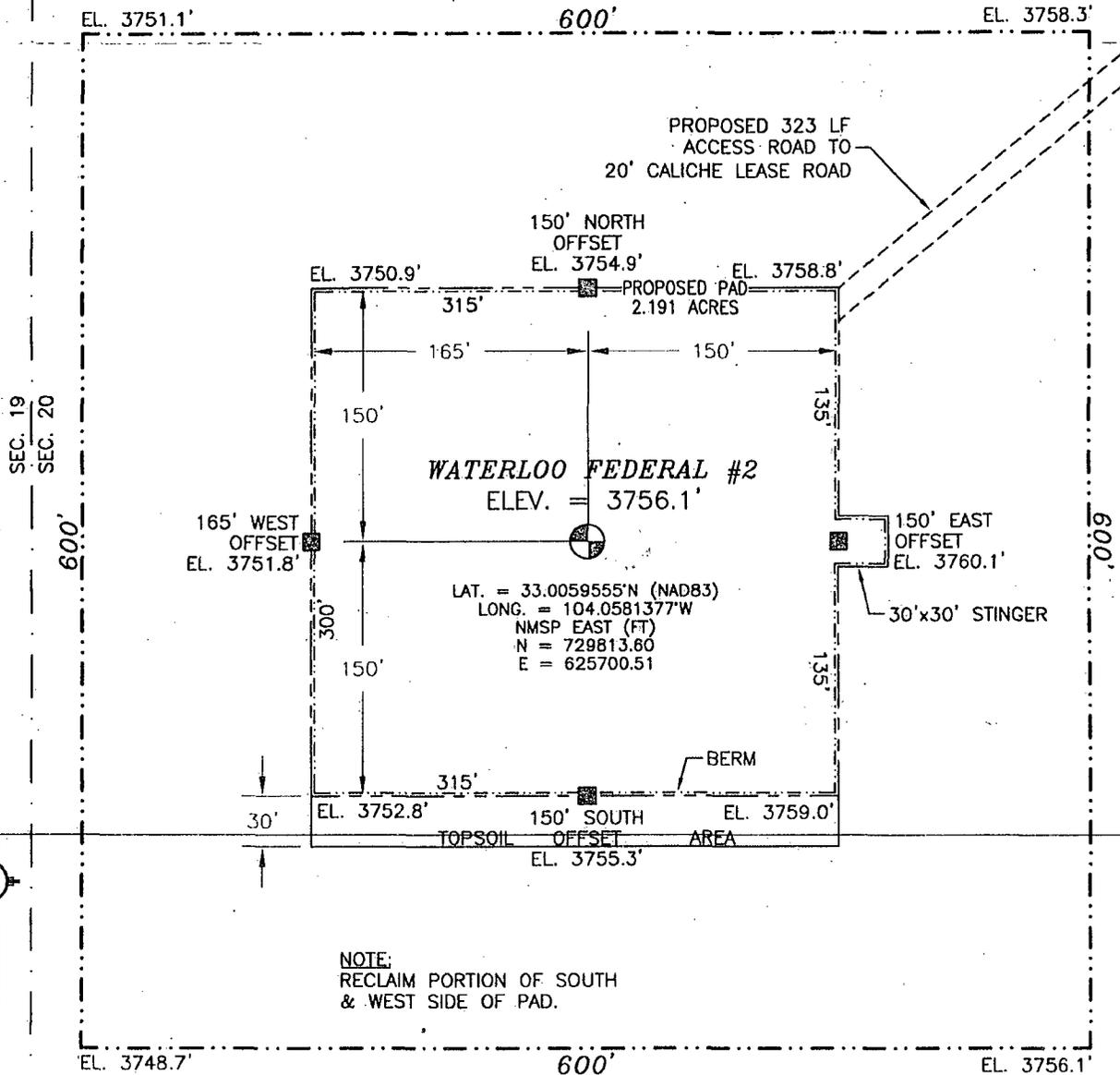
[Signature]
Signature and Seal of Professional Surveyor

Certificate Number FL11018 JARAMILLO, PLS 12797
SURVEY NO. 2883

SECTION 20, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO

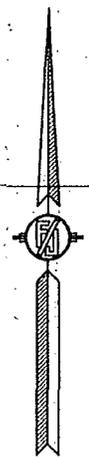
SITE MAP

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 MODIFIED TO THE SURFACE



LAT. = 33.0059555°N (NAD83)
 LONG. = 104.0581377°W
 NMSP EAST (FT)
 N = 729813.60
 E = 625700.51

NOTE:
 RECLAIM PORTION OF SOUTH
 & WEST SIDE OF PAD.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION
 FROM THE INTERSECTION OF STATE HIGHWAY 249 AND CR 30 (JEMINA) GO NORTHWEST ON STATE HIGHWAY 249 FOR APPROX. 2.1 MILES. GO SOUTH ON CALICHE LEASE ROAD APPROX. 4.4 MILES. GO SOUTHEAST APPROX. 0.2 OF A MILE. LOCATION IS APPROX. 475' SOUTHWEST.

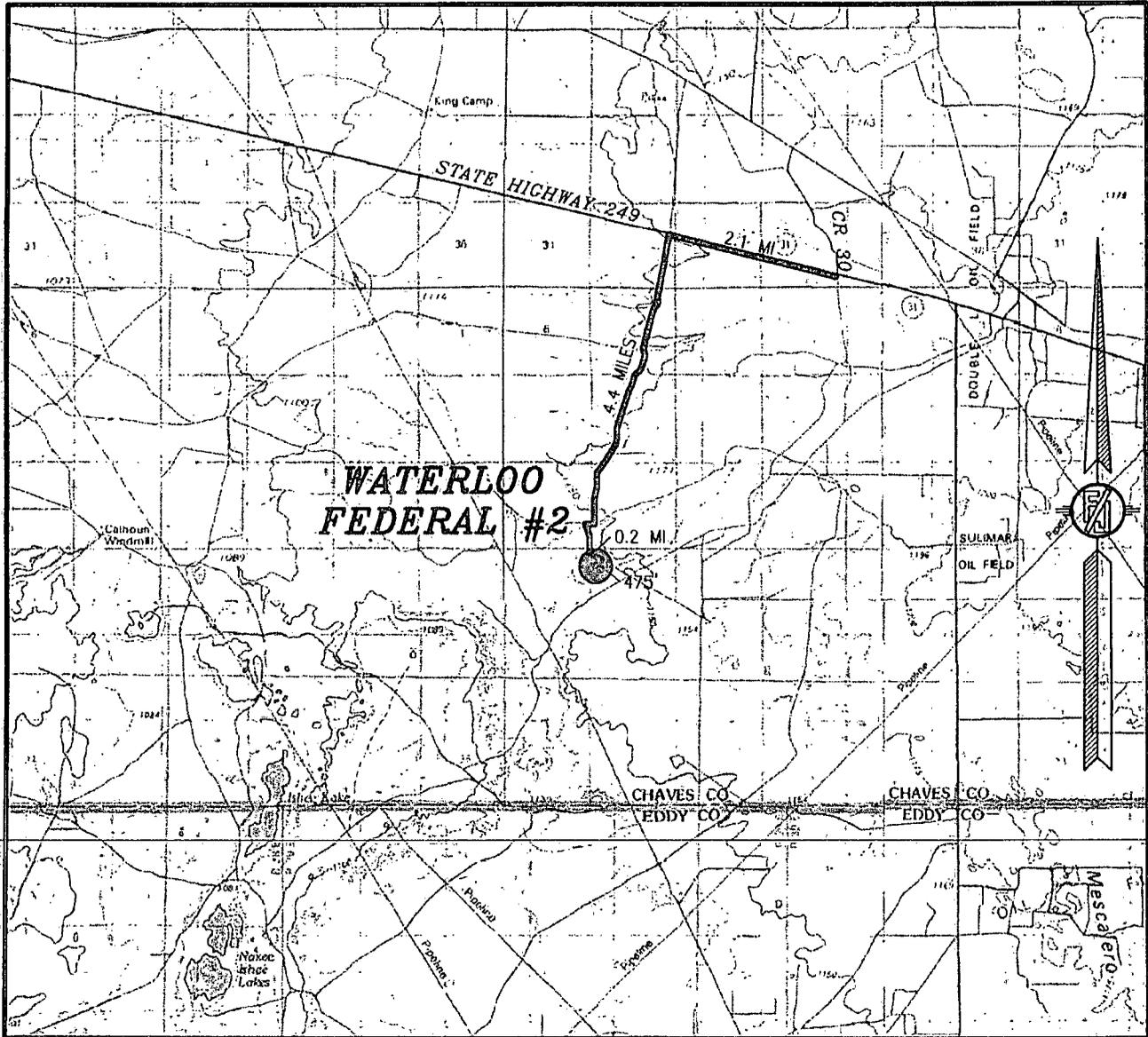
MACK ENERGY CORPORATION
WATERLOO FEDERAL #2
 LOCATED 990 FT. FROM THE NORTH LINE
 AND 330 FT. FROM THE WEST LINE OF
 SECTION 20, TOWNSHIP 15 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO

MAY 1, 2014

SURVEY NO. 2883

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
 (575) 234-3341

SECTION 20, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO
 VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 249 AND CR 30 (JEMINA) GO NORTHWEST ON STATE HIGHWAY 249 FOR APPROX. 2.1 MILES. GO SOUTH ON CALICHE LEASE ROAD APPROX. 4.4 MILES. GO SOUTHEAST APPROX. 0.2 OF A MILE. LOCATION IS APPROX. 475' SOUTHWEST.

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 RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO

MAY 1, 2014

SURVEY NO. 2883

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 20, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
APRIL 2013

MACK ENERGY CORPORATION
WATERLOO FEDERAL #2
LOCATED 990 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF
SECTION 20, TOWNSHIP 15 SOUTH,
RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

MAY 1, 2014

SURVEY NO. 2883

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 20, TOWNSHIP 15 SOUTH, RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO
 ACCESS AERIAL ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 FEBRUARY 2014

MACK ENERGY CORPORATION
WATERLOO FEDERAL #2
 LOCATED 990 FT. FROM THE NORTH LINE
 AND 330 FT. FROM THE WEST LINE OF
 SECTION 20, TOWNSHIP 15 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 CHAVES COUNTY, STATE OF NEW MEXICO

MAY 1, 2014

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