

**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 and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88210		<sup>2</sup> OGRID Number 013837
		<sup>3</sup> API Number 30-025-33678
<sup>4</sup> Property Code 336007	<sup>5</sup> Property Name McDonald SWD	<sup>6</sup> Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	9	15S	32E		1334	South	987	East	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name	Pool Code
SWD; San Andres	96121

**Additional Well Information**

<sup>11</sup> Work Type Re-Entry	<sup>12</sup> Well Type SWD	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type State	<sup>15</sup> Ground Level Elevation 4303.7'
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 5650'	<sup>18</sup> Formation San Andres	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 7/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	48#	4500'	500sx	0'- In Place 1997
Intermediate	11"	8 5/8"	32#	4050'	1400sx	0'- In Place 1997
Production	7 7/8"	5 1/2"	20# & 17#	12,500'	1950sx	0'- In Place 1997

**Casing/Cement Program: Additional Comments**

Re-Entry drill out plugs to 5,650', Perf & Acidize. Put well on injection
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: <i>Deana Weaver</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Deana Weaver		Approved By:	
Title: Regulatory Tech II		Title:	
E-mail Address: dweaver@mec.com		Approved Date:	Expiration Date:
Date: 4/24/2023	Phone: 575-748-1288	Conditions of Approval Attached	

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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

<sup>1</sup> API Number <b>30-025-33678</b>	<sup>2</sup> Pool Code <b>96121</b>	<sup>3</sup> Pool Name <b>SWD; San Andres</b>
<sup>4</sup> Property Code <b>336007</b>	<sup>5</sup> Property Name <b>McDONALD SWD</b>	<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID No. <b>13837</b>	<sup>8</sup> Operator Name <b>MACK ENERGY CORPORATION</b>	<sup>9</sup> Elevation <b>4303.7</b>

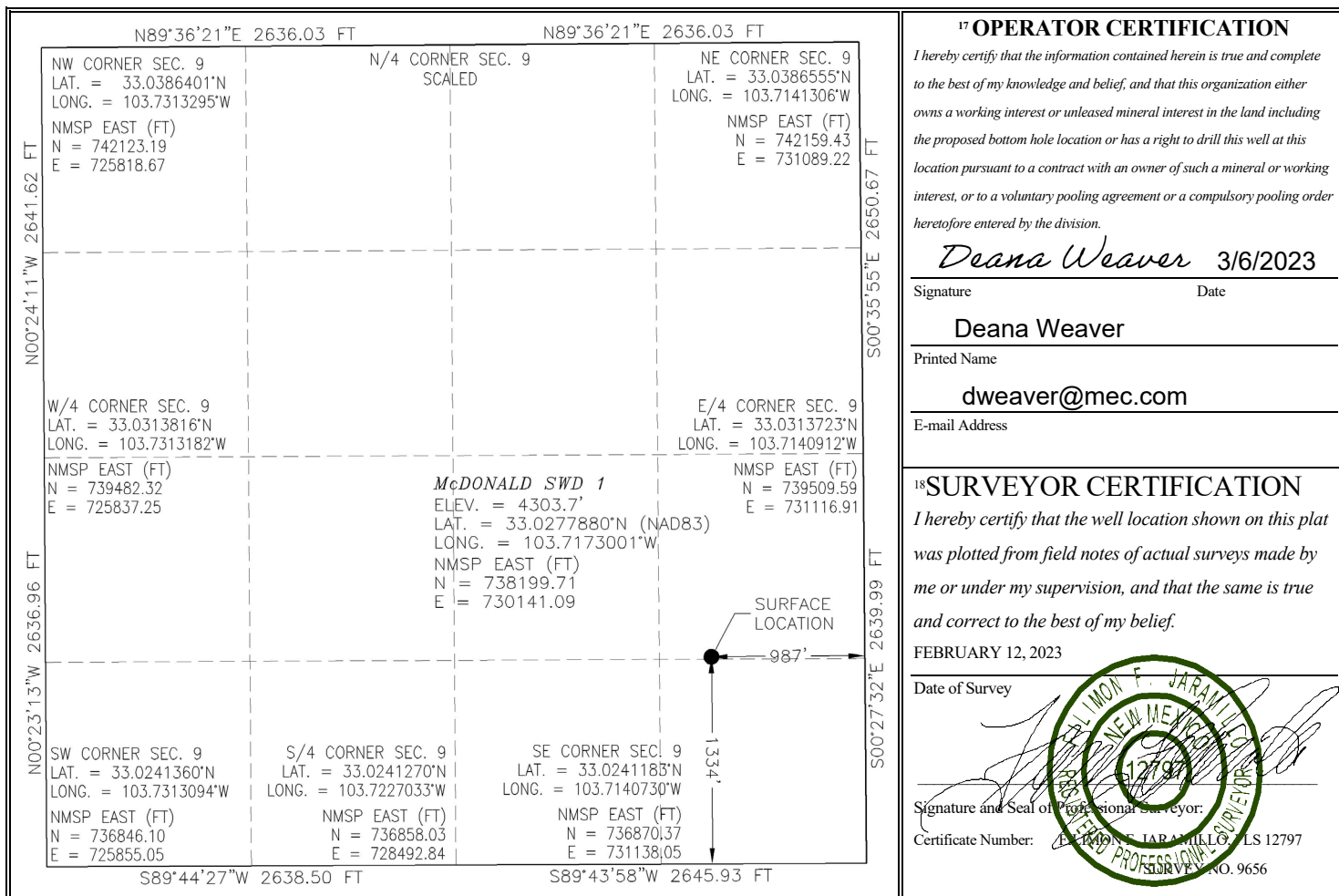
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>9</b>	<b>15 S</b>	<b>32 E</b>		<b>1334</b>	<b>SOUTH</b>	<b>987</b>	<b>EAST</b>	<b>LEA</b>

<sup>11</sup> Bottom Hole Location If Different From Surface

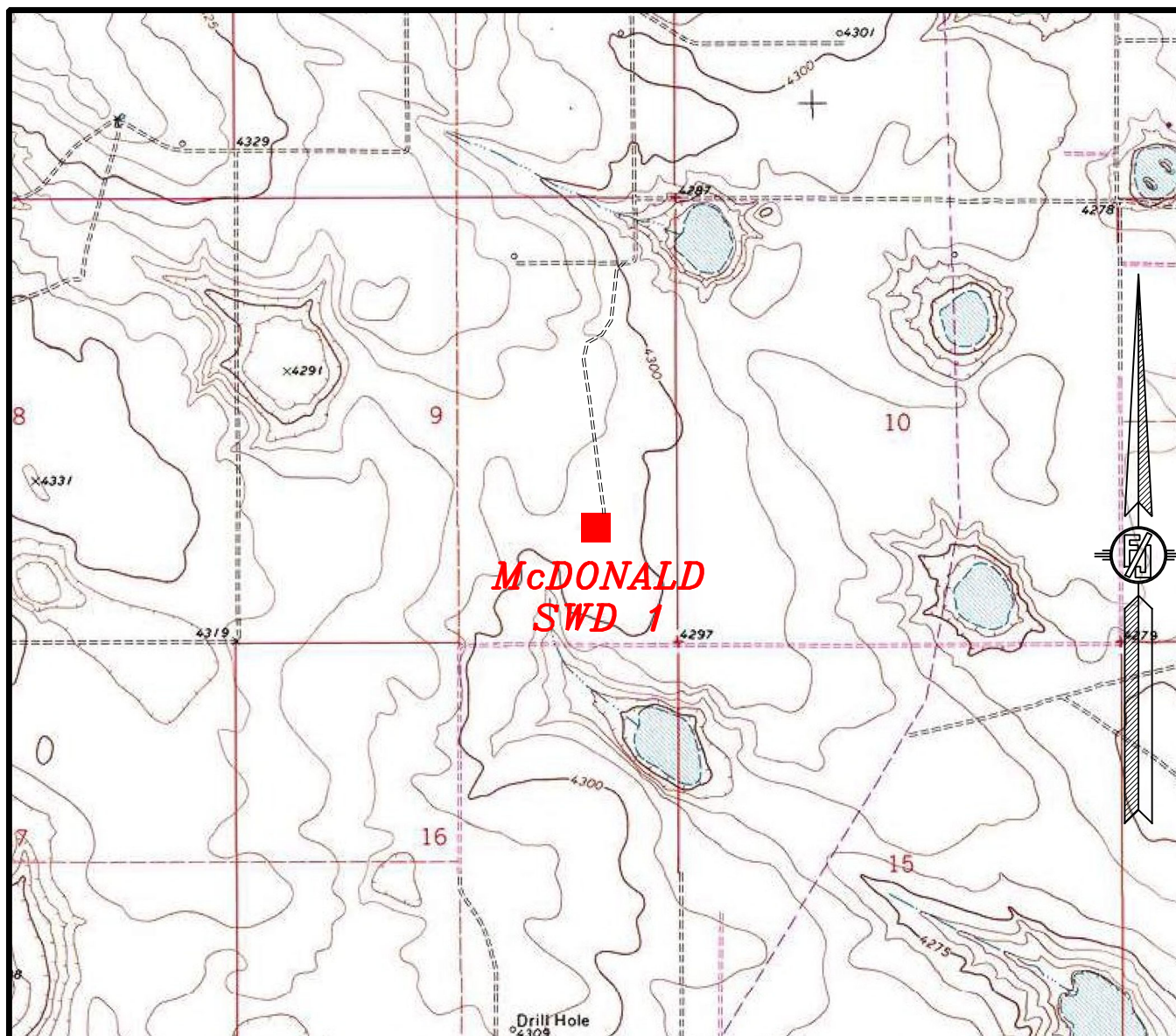
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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.





SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
LOCATION VERIFICATION MAP



USGS QUAD MAP:  
DEAN RANCH

NOT TO SCALE

MACK ENERGY CORPORATION  
**McDONALD SWD 1**  
LOCATED 1334 FT. FROM THE SOUTH LINE  
AND 987 FT. FROM THE EAST LINE OF  
SECTION 9, TOWNSHIP 15 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

FEBRUARY 12, 2023

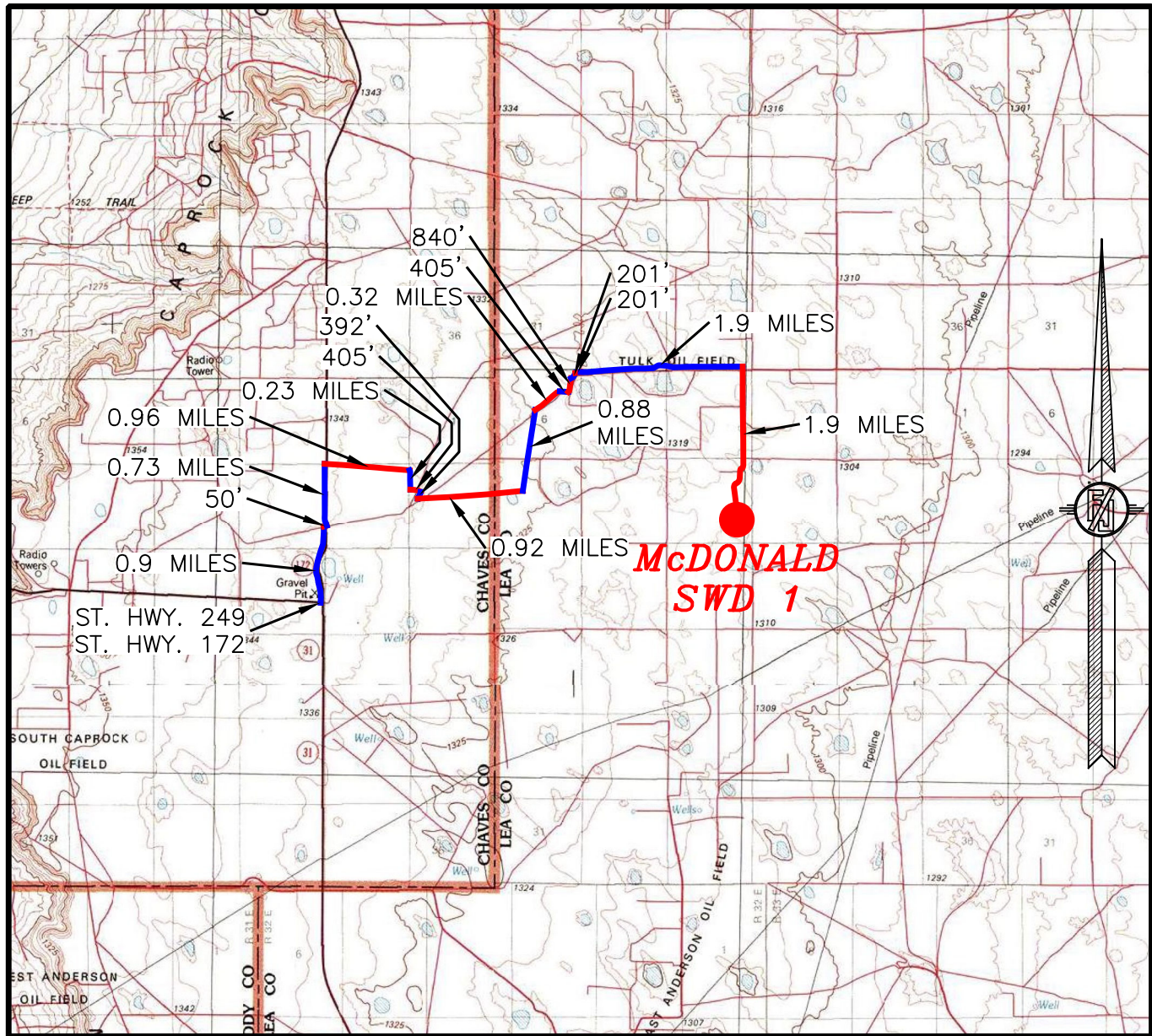
MADRON SURVEYING, INC.

301 SOUTH CANAL  
(575) 234-3327

SURVEY NO. 9656  
CARLSBAD, NEW MEXICO



SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION ST. HWY. 249 & ST. HWY. 172, GO NORTH ON ST. HWY. 172 APPROX. 0.9 MILES, GO NORTHEAST ON CALICHE ROAD APPROX. 50', GO NORTH APPROX. 0.73 MILES, GO EAST APPROX. 0.96 MILES, GO SOUTH APPROX. APPROX. 0.23 MILES, GO EAST APPROX. 405', GO SOUTHWEST APPROX. 392', GO EAST APPROX. 0.92 MILES, GO NORTH APPROX. 0.88 MILES, GO NORTHEAST APPROX. 0.32 MILES, GO EAST APPROX. 405', GO NORTH APPROX. 840', GO NORTHEAST APPROX. 201', GO EAST APPROX. 201', CONTINUE EAST APPROX. 1.9 MILES, GO SOUTH APPROX. 1.9 MILES TO NORTH EDGE OF PAD FOR THIS LOCATION.

**MACK ENERGY CORPORATION**  
**McDONALD SWD 1**  
LOCATED 1334 FT. FROM THE SOUTH LINE  
AND 987 FT. FROM THE EAST LINE OF  
SECTION 9, TOWNSHIP 15 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

FEBRUARY 12, 2023

SURVEY NO. 9656

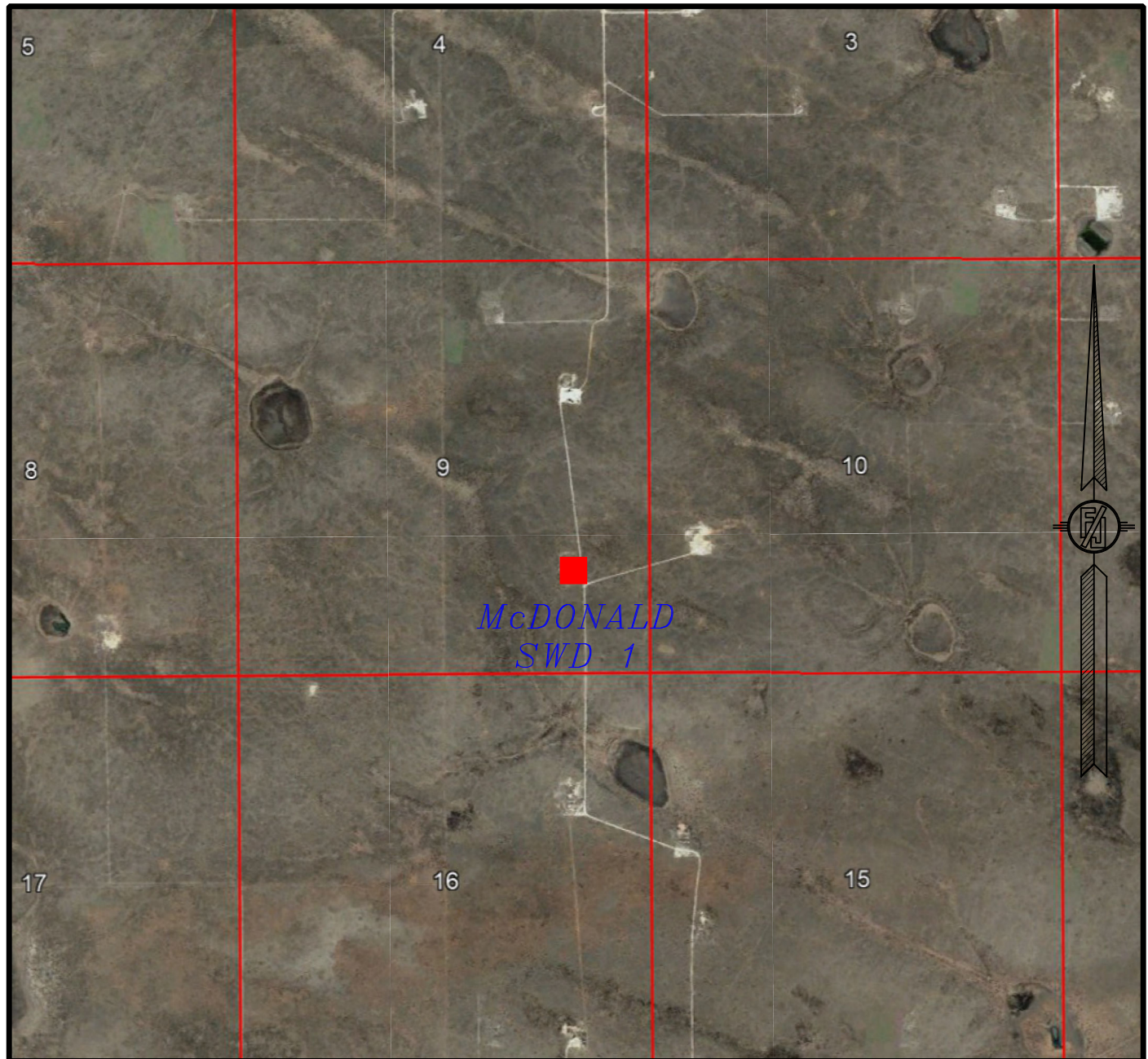
MADRON SURVEYING, INC. 301 SOUTH CANAL

(575) 234-3327

CARLSBAD, NEW MEXICO



SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
**AERIAL PHOTO**



NOT TO SCALE  
AERIAL PHOTO:  
GOOGLE EARTH  
JAN. 2018

**MACK ENERGY CORPORATION**  
**McDONALD SWD 1**  
LOCATED 1334 FT. FROM THE SOUTH LINE  
AND 987 FT. FROM THE EAST LINE OF  
SECTION 9, TOWNSHIP 15 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

FEBRUARY 12, 2023

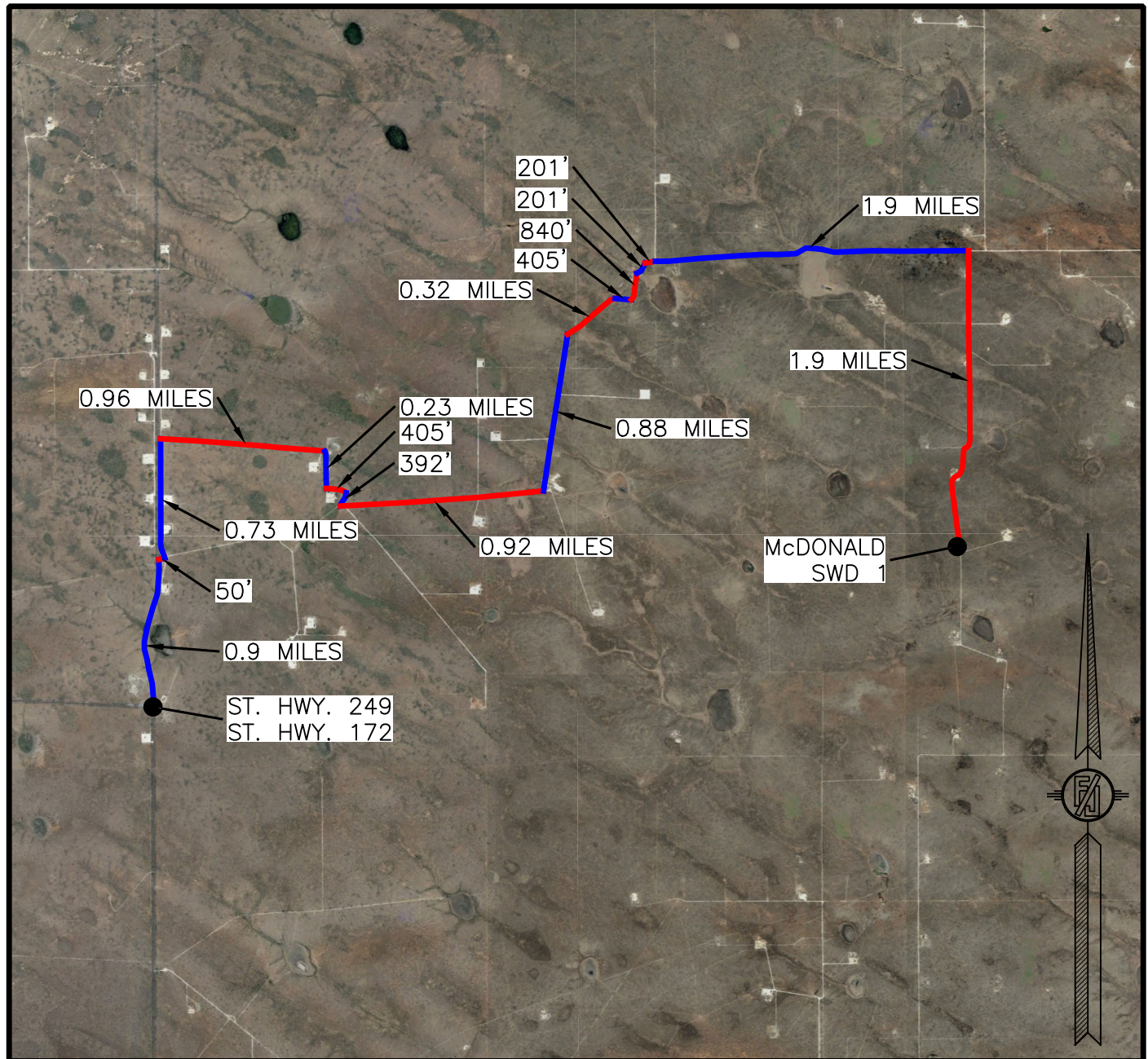
SURVEY NO. 9656

MADRON SURVEYING, INC. 301 SOUTH CANAL  
(575) 234-3327

CARLSBAD, NEW MEXICO



SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
AERIAL ACCESS ROUTE MAP



NOT TO SCALE  
AERIAL PHOTO:  
GOOGLE EARTH  
JAN. 2018

**MACK ENERGY CORPORATION**  
**McDONALD SWD 1**  
LOCATED 1334 FT. FROM THE SOUTH LINE  
AND 987 FT. FROM THE EAST LINE OF  
SECTION 9, TOWNSHIP 15 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

FEBRUARY 12, 2023

MADRON SURVEYING, INC.

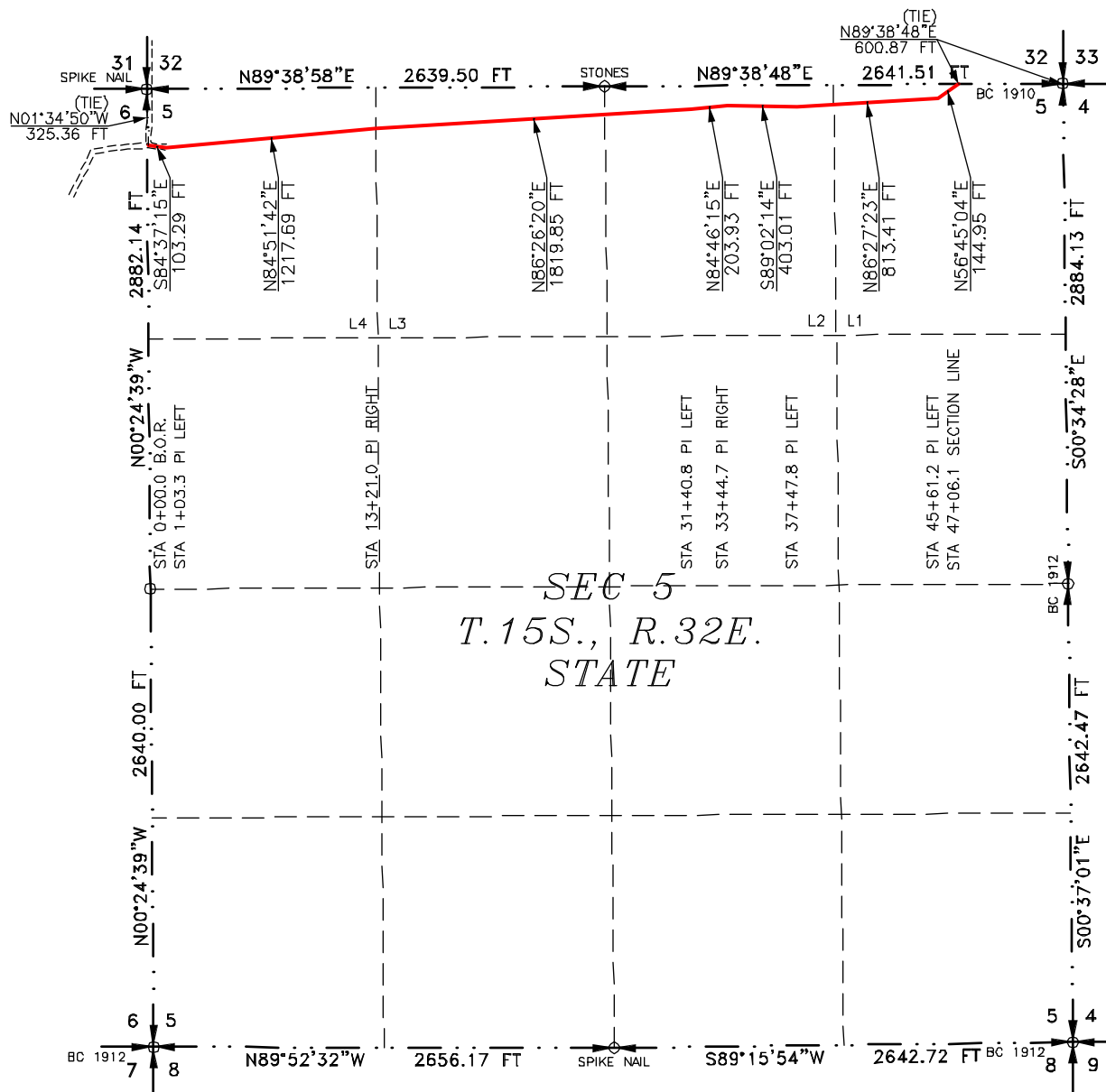
301 SOUTH CANAL  
(575) 234-3327

SURVEY NO. 9656  
CARLSBAD, NEW MEXICO

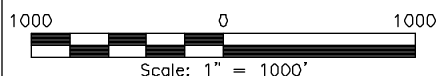
**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.**  
**LEA COUNTY, STATE OF NEW MEXICO**  
**FEBRUARY 12, 2023**



SEE NEXT SHEET (2-10) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-10

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3327

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 12th DAY OF FEBRUARY 2023

FILMON F. JARAMILLO  
 12797  
 NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3327

SURVEY NO. 9656



**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.**  
**LEA COUNTY, STATE OF NEW MEXICO**  
**FEBRUARY 12, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN LOT 4 OF SAID SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS N01°34'50"W, A DISTANCE OF 325.36 FEET;  
 THENCE S84°37'15"E A DISTANCE OF 103.29 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N84°51'42"E A DISTANCE OF 1217.69 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N86°26'20"E A DISTANCE OF 1819.85 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N84°46'15"E A DISTANCE OF 203.93 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE S89°02'14"E A DISTANCE OF 403.01 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N86°27'23"E A DISTANCE OF 813.41 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N56°45'04"E A DISTANCE OF 144.95 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHEAST CORNER OF SAID SECTION 5, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS N89°38'48"E, A DISTANCE OF 600.87 FEET;

SAID STRIP OF LAND BEING 4706.13 FEET OR 285.22 RODS IN LENGTH, CONTAINING 3.241 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 4	1318.12 L.F.	79.89 RODS	0.908 ACRES
LOT 3	1321.88 L.F.	80.11 RODS	0.910 ACRES
LOT 2	1322.53 L.F.	80.15 RODS	0.911 ACRES
LOT 1	743.60 L.F.	45.07 RODS	0.512 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 28<sup>TH</sup> DAY OF FEBRUARY 2023

FILIMON F. JARAMILLO  
 12797  
 MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3327

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 2-10

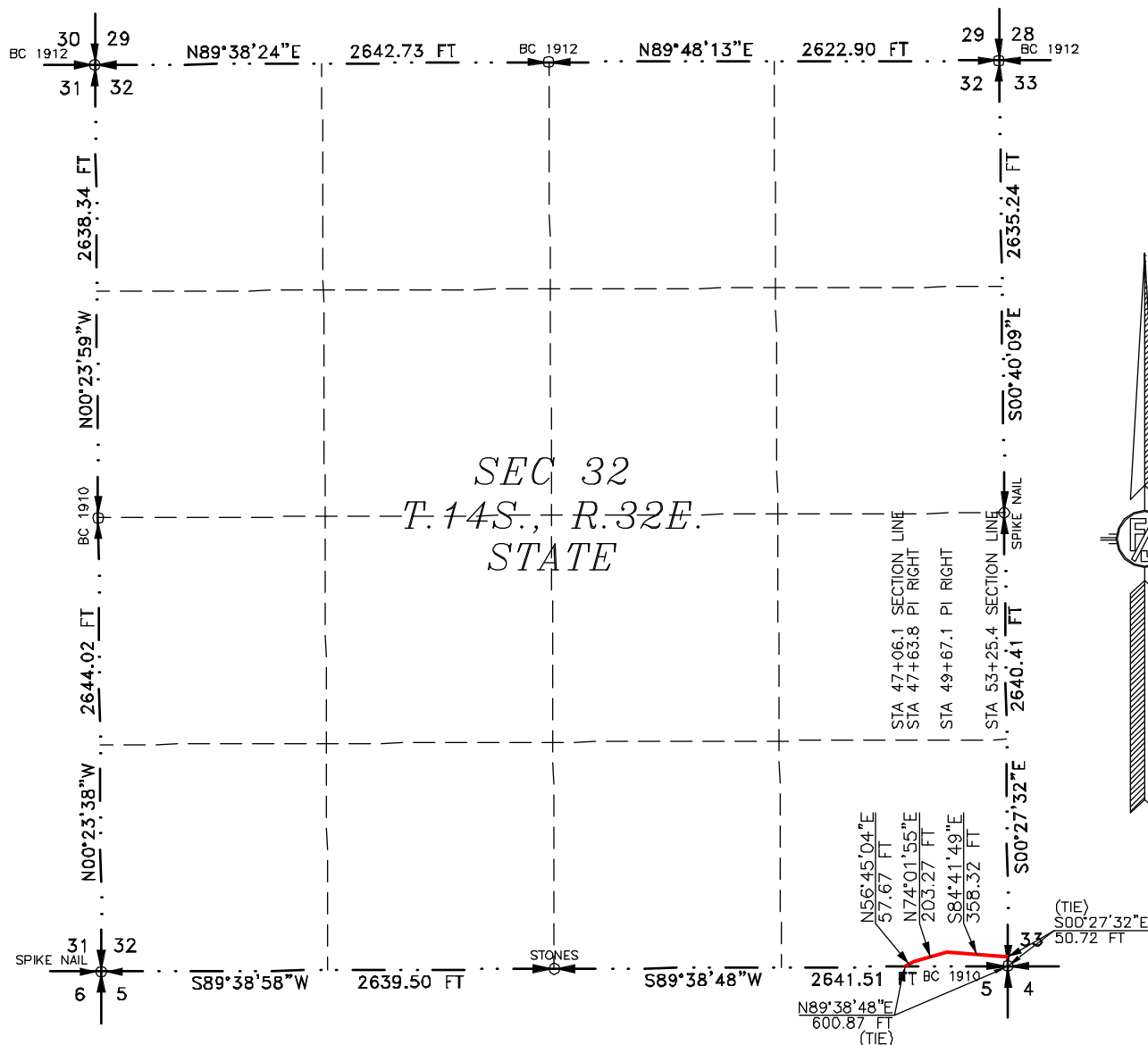
**MADRON SURVEYING, INC.** 301 SOUTH CANAL, CARLSBAD, NEW MEXICO  
 (575) 234-3327

SURVEY NO. 9656

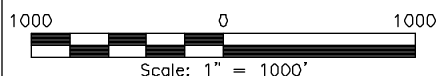
**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.**  
**LEA COUNTY, STATE OF NEW MEXICO**  
**FEBRUARY 12, 2023**



SEE NEXT SHEET (4-10) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 3-10

**MADRON SURVEYING, INC.** 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3327

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 28<sup>TH</sup> DAY OF FEBRUARY 2023

**FILMON F. JARAMILLO**  
 12797  
 NEW MEXICO PROFESSIONAL SURVEYOR

**MADRON SURVEYING, INC.**  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3327

SURVEY NO. 9656



**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.**  
**LEA COUNTY, STATE OF NEW MEXICO**  
**FEBRUARY 12, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS N89°38'48"E, A DISTANCE OF 600.87 FEET;  
 THENCE N56°45'04"E A DISTANCE OF 57.67 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N74°01'55"E A DISTANCE OF 203.27 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE S84°41'49"E A DISTANCE OF 358.32 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS S00°27'32"E, A DISTANCE OF 50.72 FEET;

SAID STRIP OF LAND BEING 619.26 FEET OR 37.53 RODS IN LENGTH, CONTAINING 0.426 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4    619.26 L.F.    37.53 RODS    0.426 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 14<sup>TH</sup> DAY OF FEBRUARY 2023

FILIMON F. JARAMILLO  
 12797  
 MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3327

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 4-10

**MADRON SURVEYING, INC.** 301 SOUTH CANAL CARLSBAD, NEW MEXICO  
 (575) 234-3327

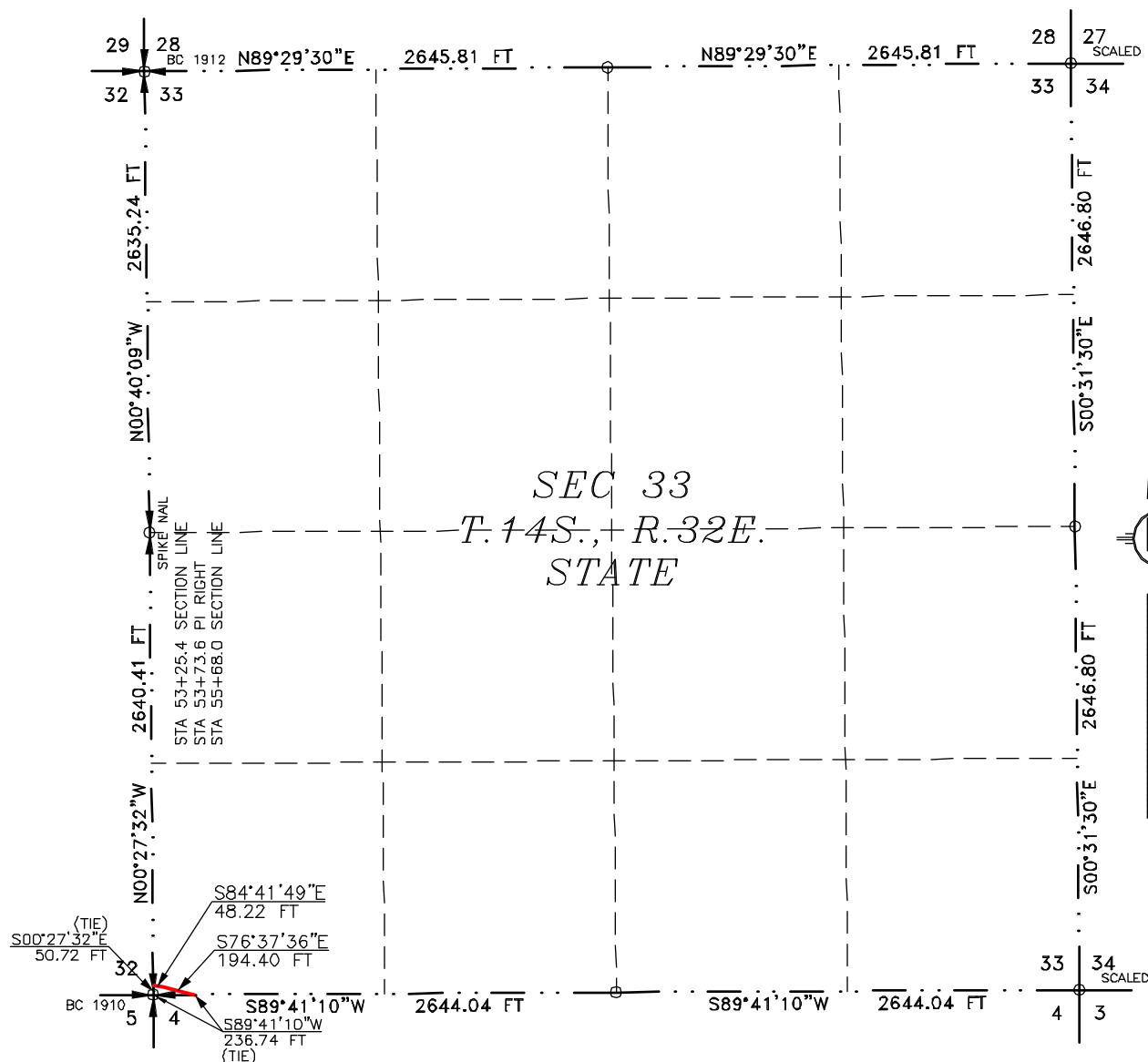
SURVEY NO. 9656

**ACCESS ROAD PLAT**

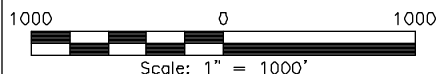
EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
FEBRUARY 12, 2023**



SEE NEXT SHEET (6-10) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 5-10

MADRON SURVEYING, INC.

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 28th DAY OF FEBRUARY 2023

FILMON F. JARAMILLO  
12797  
NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3327

SURVEY NO. 9656

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3327



**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.**  
**LEA COUNTY, STATE OF NEW MEXICO**  
**FEBRUARY 12, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SW/4 SW/4 OF SAID SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M., WHENCE THE SOUTHWEST CORNER OF SAID SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS S00°27'32"E, A DISTANCE OF 50.72 FEET;  
 THENCE S84°41'49"E A DISTANCE OF 48.22 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE S76°37'36"E A DISTANCE OF 194.40 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 33, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS S89°41'10"W, A DISTANCE OF 236.74 FEET;

SAID STRIP OF LAND BEING 242.62 FEET OR 14.70 RODS IN LENGTH, CONTAINING 0.167 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SW/4    242.62 L.F.    14.70 RODS    0.167 ACRES

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

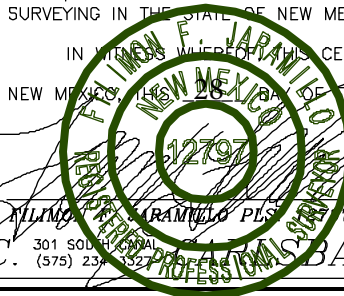
SHEET: 6-10

**MADRON SURVEYING, INC.** 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220  
 (575) 234-3327

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 26<sup>TH</sup> DAY OF FEBRUARY 2023



MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3327

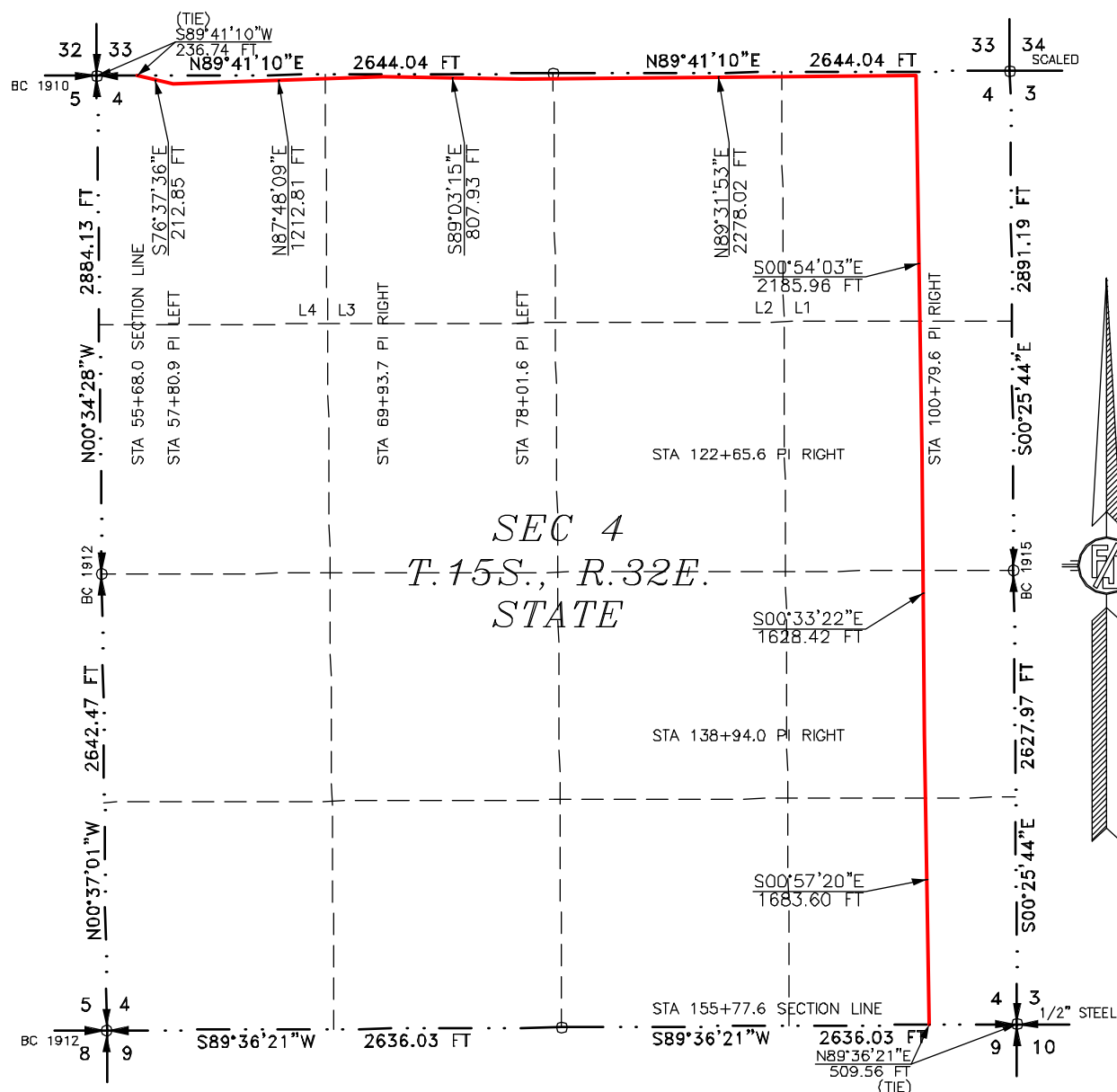
SURVEY NO. 9656

**ACCESS ROAD PLAT**

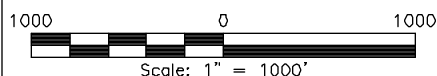
EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
FEBRUARY 12, 2023**



SEE NEXT SHEET (8-10) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 7-10

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3327

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 28<sup>TH</sup> DAY OF FEBRUARY 2023

FILMON F. JARAMILLO  
12797  
NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3327

SURVEY NO. 9656



**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
FEBRUARY 12, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN LOT 4 RR/4 OF SAID SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS S89°41'10"W, A DISTANCE OF 236.74 FEET;

THENCE S76°37'36"E A DISTANCE OF 212.85 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N87°48'09"E A DISTANCE OF 1212.81 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S89°03'15"E A DISTANCE OF 807.93 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N89°31'53"E A DISTANCE OF 2278.02 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S00°54'03"E A DISTANCE OF 2185.96 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S00°33'22"E A DISTANCE OF 1628.42 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S00°57'20"E A DISTANCE OF 1683.60 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS N89°36'21"E, A DISTANCE OF 509.56 FEET;

SAID STRIP OF LAND BEING 10009.59 FEET OR 606.94 RODS IN LENGTH, CONTAINING 6.894 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 4	1091.89 L.F.	66.18 RODS	0.752 ACRES
LOT 3	1322.40 L.F.	80.15 RODS	0.911 ACRES
LOT 2	1321.99 L.F.	80.12 RODS	0.910 ACRES
LOT 1	2198.52 L.F.	133.24 RODS	1.514 ACRES
SE/4 NE/4	1445.29 L.F.	87.59 RODS	0.995 ACRES
NE/4 SE/4	1314.74 L.F.	79.68 RODS	0.905 ACRES
SE/4 SE/4	1314.76 L.F.	79.68 RODS	0.905 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 26<sup>TH</sup> DAY OF FEBRUARY 2023

FILIMON F. JARAMILLO  
12797  
NEW MEXICO PROFESSIONAL SURVEYOR  
301 SOUTH CANAL  
(575) 234-3327

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3327

**GENERAL NOTES**

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

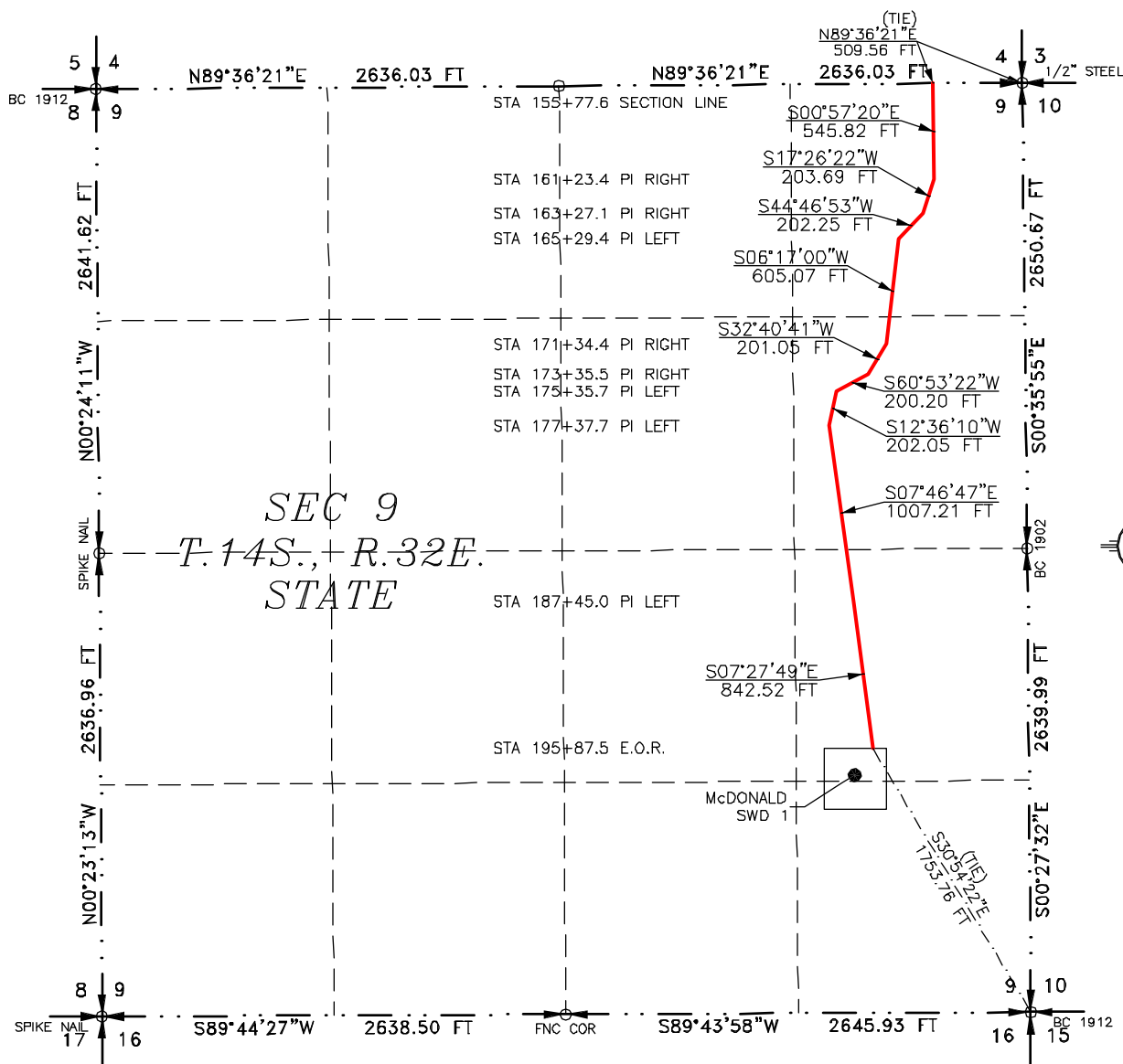
SHEET: 8-10

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 9656

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

*MACK ENERGY CORPORATION  
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
FEBRUARY 12, 2023*



SEE NEXT SHEET (10-10) FOR DESCRIPTION

## SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 28<sup>th</sup> DAY OF FEBRUARY 2023

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3327

### GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP  
EAST (NAD83) MODIFIED TO SURFACE  
COORDINATES. NAD 83 (FEET) AND NAVD 88  
(FEET) COORDINATE SYSTEMS USED IN THE  
SURVEY.

*SHEET: 9-10*

MADRON SURVEYING, INC. 301 SOUTH CUMAL, ALBUQUERQUE, NEW MEXICO  
(505) 231-1527

SURVEY NO. 9656

301 SOUTH CANAL  
(575) 234-1527  
ALBUQUERQUE, NEW MEXICO



**ACCESS ROAD PLAT**

EXISTING CALICHE ROAD FOR ACCESS TO McDONALD SWD 1

**MACK ENERGY CORPORATION**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
FEBRUARY 12, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NE/4 OF SAID SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., WHENCE THE NORTHEAST CORNER OF SAID SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS N89°36'21"E, A DISTANCE OF 509.56 FEET;  
THENCE S00°57'20"E A DISTANCE OF 545.82 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S17°26'22"W A DISTANCE OF 203.69 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S44°46'53"W A DISTANCE OF 202.25 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S06°17'00"W A DISTANCE OF 605.07 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S32°40'41"W A DISTANCE OF 201.05 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S60°53'22"W A DISTANCE OF 200.20 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S12°36'10"W A DISTANCE OF 202.05 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S07°46'47"E A DISTANCE OF 1007.21 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE S07°27'49"E A DISTANCE OF 842.52 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 9, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M. BEARS S30°54'22"E, A DISTANCE OF 1753.76 FEET;

SAID STRIP OF LAND BEING 4009.86 FEET OR 243.02 RODS IN LENGTH, CONTAINING 2.762 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NE/4	1397.18 L.F.	84.68 RODS	0.962 ACRES
SE/4 NE/4	1472.96 L.F.	89.27 RODS	1.014 ACRES
NE/4 SE/4	1139.72 L.F.	69.07 RODS	0.785 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY 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 26<sup>TH</sup> DAY OF FEBRUARY 2023

FILIMON F. JARAMILLO  
12797  
NEW MEXICO PROFESSIONAL SURVEYOR  
301 SOUTH CANAL  
(575) 234-3327

MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3327

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 10-10

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 9656

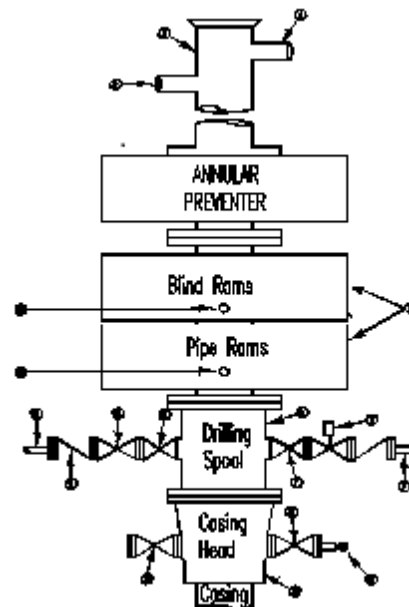
McDonald SWD #1  
1340 FSL 990 FEL  
Sec. 9 T15S R32E  
Formation Tops

Quaternary	Surface
Rustler	1445'
Top Salt	1573'
Base Salt	2360'
Yates	2483'
Seven Rivers	2750'
Queen	3298'
Grayburg	3715'
San Andres	4048'
Glorieta	5650'

**Mack Energy Corporation**  
**Minimum Blowout Preventer Requirements**  
**3000 psi Working Pressure**  
**13 3/8 inch- 3 MWP**  
**11 Inch - 3 MWP**  
**EXHIBIT #10**

**Stack Requirements**

NO.	Items	Min. I.D.	Min. Nominal
1	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
6a	Drilling spool with 2" min. kill line and 3" min choke line outlets		2" Choke
6b	2" min. kill line and 3" min. choke line outlets in ram. (Alternate to 6a above)		
7	Valve Gate Plug	3 1/8	
8	Gate valve-power operated	3 1/8	
9	Line to choke manifold		3"
10	Valve Gate Plug	2 1/16	
11	Check valve	2 1/16	
12	Casing head		
13	Valve Gate Plug	1 13/16	
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"



**OPTIONAL**

16	Flanged Valve	1 13/16	
----	---------------	---------	--

**CONTRACTOR'S OPTION TO FURNISH:**

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
- Automatic accumulator (80 gallons, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- BOP controls, to be located near drillers' position.
- Kelly equipped with Kelly cock.
- Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
- Kelly saver-sub equipped with rubber casing protector at all times.
- Plug type blowout preventer tester.
- Extra set pipe rams to fit drill pipe in use on location at all times.
- Type RX ring gaskets in place of Type R.

**MEC TO FURNISH:**

- Bradenhead or casing head and side valves.
- Wear bushing. If required.

**GENERAL NOTES:**

- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service.
- Controls to be of standard design and each marked, showing opening and closing position
- Chokes will be positioned so as not to hamper or delay changing of choke beans.

- Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- All valves to be equipped with hand-wheels or handles ready for immediate use.
- Choke lines must be suitably anchored.
- Handwheels and extensions to be connected and ready for use.
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- All seamless steel control piping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- Casinghead connections shall not be used except in case of emergency.
- Does not use kill line for routine fill up operations.



# Mack Energy Corporation

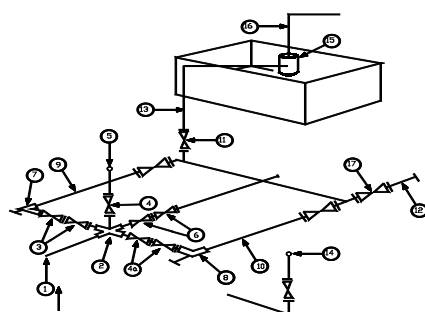
Exhibit #11

## MINIMUM CHOKE MANIFOLD

3,000, 5,000, and 10,000 PSI Working Pressure

3M will be used

3 MWP - 5 MWP - 10 MWP



Mud Pit

Reserve Pit

\* Location of separator optional

Below Substructure

### Minimum requirements

No.		3,000 MWP			5,000 MWP			10,000 MWP		
		I.D.	Nominal	Rating	I.D.	Nominal	Rating	I.D.	Nominal	Rating
1	Line from drilling Spool		3"	3,000		3"	5,000		3"	10,000
2	Cross 3" x 3" x 3" x 2"			3,000			5,000			
2	Cross 3" x 3" x 3" x 2"									10,000
3	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
4	Valve Gate Plug	1 13/16		3,000	1 13/16		5,000	1 13/16		10,000
4a	Valves (1)	2 1/16		3,000	2 1/16		5,000	2 1/16		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
7	Adjustable Choke (3)	2"		3,000	2"		5,000	2"		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5,000		2"	10,000
11	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
12	Line		3"	1,000		3"	1,000		3"	2,000
13	Line		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound Standpipe pressure quage			3,000			5,000			10,000
15	Gas Separator		2' x5'			2' x5'			2' x5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000

- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

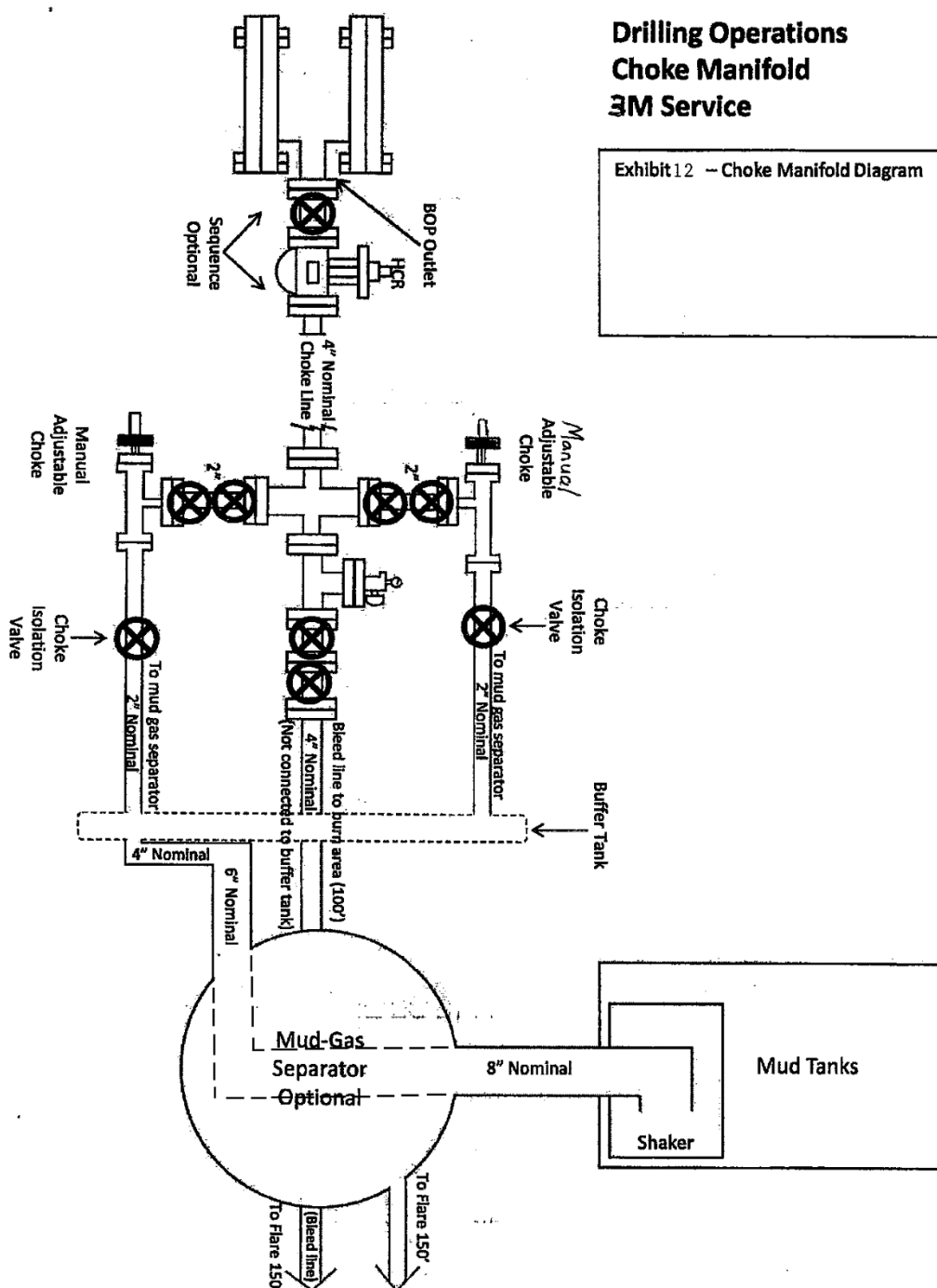
### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
3. All lines shall be securely anchored.
4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
5. alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees

# Mack Energy Corporation

MANIFOLD SCHEMATIC

Exhibit #12



**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 210277

CONDITIONS

Operator:  MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID:  13837
	Action Number:  210277
	Action Type:  [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
pkautz	MUST COMPLY WITH ALL COA'S IN SWD-2531	6/28/2024