

Submit a Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                     |                         |
|-----------------------------------------------------------------------------------------------------|-------------------------|
| WELL API NO.                                                                                        | 30-015-49213            |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |                         |
| 6. State Oil & Gas Lease No.                                                                        |                         |
| 7. Lease Name or Unit Agreement Name                                                                | Brainard 12             |
| 8. Well Number                                                                                      | 7H                      |
| 9. OGRID Number                                                                                     | 330211                  |
| 10. Pool name or Wildcat                                                                            | Red Lake; Glorieta-Yeso |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3289.1' GR                                    |                         |

|                                                                                                                                                                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)                  |  |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                          |  |
| 2. Name of Operator<br>Redwood Operating LLC                                                                                                                                                                            |  |
| 3. Address of Operator<br>P.O. Box 1370, Artesia, NM 88210                                                                                                                                                              |  |
| 4. Well Location<br>Unit Letter <u>K</u> : <u>1960</u> feet from the <u>South</u> line and <u>2070</u> feet from the <u>West</u> line<br>Section <u>12</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u> |  |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

|                                                |                                                  |                                                  |                                          |
|------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|
| NOTICE OF INTENTION TO:                        |                                                  | SUBSEQUENT REPORT OF:                            |                                          |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/>        | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input checked="" type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>          | CASING/CEMENT JOB <input type="checkbox"/>       |                                          |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |                                                  |                                                  |                                          |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |                                                  |                                                  |                                          |
| OTHER: <input type="checkbox"/>                |                                                  | OTHER: <input checked="" type="checkbox"/>       |                                          |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Redwood Operating LLC request a change to the Brainard 12 #7H APD to the following-  
FTP- Unit L Sec. 12 T18S R26E 1980 FSL 1220 FWL Eddy, NM  
LTP- Unit L Sec. 11 T18S R26E 1980 FSL 100 FWL Eddy, NM  
BHL- Unit L Sec. 11 T18S R26E 1980 FSL 1 FWL Eddy, NM

Production Csg/Cmt-

Drill 8 3/4" hole to 10,104'

Run 7", 26# L-80 LT&C csg @ 0-2,175'. 7", 26# L-80 BTC csg @ 2,175-3,275', 5 1/2" 17# L-80 BTC @ 3,275-10,104'  
CMT w/ 250sx 50/50 POZ, Tail w/ 2,075sx 50/50 POZ, circ to surface.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Deana Weaver TITLE Regulatory Tech II DATE 3/15/2023

Type or print name Deana Weaver E-mail address: dweaver@mec.com PHONE: 575-748-1288

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

istrict I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, 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<br><b>30-015-49213</b> | <sup>2</sup> Pool Code<br><b>51120</b>                      | <sup>3</sup> Pool Name<br><b>Red Lake; Glorieta-Yeso</b> |
| <sup>4</sup> Property Code<br><b>329363</b>    | <sup>5</sup> Property Name<br><b>BRAINARD 12</b>            | <sup>6</sup> Well Number<br><b>7H</b>                    |
| <sup>7</sup> OGRID No.<br><b>330211</b>        | <sup>8</sup> Operator Name<br><b>REDWOOD OPERATING, LLC</b> | <sup>9</sup> Elevation<br><b>3289.1</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>K</b>      | <b>12</b> | <b>18 S</b> | <b>26 E</b> |         | <b>1960</b>   | <b>SOUTH</b>     | <b>2070</b>   | <b>WEST</b>    | <b>EDDY</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      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>L</b>      | <b>11</b> | <b>18 S</b> | <b>26 E</b> |         | <b>1980</b>   | <b>SOUTH</b>     | <b>1</b>      | <b>WEST</b>    | <b>EDDY</b> |

|                                             |                               |                                  |                         |
|---------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>200</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.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>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 order heretofore entered by the division.</p> <p><i>Deana Weaver</i>      3/15/23<br/>Signature      Date</p> <p><b>Deana Weaver</b><br/>Printed Name</p> <p><b>dweaver@mec.com</b><br/>E-mail Address</p> |
|  | <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MARCH 13, 2023<br/>Date of Survey</p> <p><i>[Signature]</i><br/>Signature and Seal of Professional Surveyor</p> <p>Certificate Number: <b>12797</b><br/>SURVEY NO. 9189B</p>                                                                                                                                                                                                                                                                        |

Intent ☒ As Drilled ☐

|                                          |                               |                   |
|------------------------------------------|-------------------------------|-------------------|
| API #                                    |                               |                   |
| Operator Name:<br>REDWOOD OPERATING, LLC | Property Name:<br>BRAINARD 12 | Well Number<br>7H |

## Kick Off Point (KOP)

|                        |               |                 |              |     |                          |                   |              |                  |                |
|------------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|--------------|------------------|----------------|
| UL<br>K                | Section<br>12 | Township<br>18S | Range<br>26E | Lot | Feet<br>1960             | From N/S<br>SOUTH | Feet<br>2070 | From E/W<br>WEST | County<br>EDDY |
| Latitude<br>32.7605961 |               |                 |              |     | Longitude<br>104.3371844 |                   |              |                  | NAD<br>83      |

## First Take Point (FTP)

|                        |               |                 |              |     |                          |                   |              |                  |                |
|------------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|--------------|------------------|----------------|
| UL<br>L                | Section<br>12 | Township<br>18S | Range<br>26E | Lot | Feet<br>1980             | From N/S<br>SOUTH | Feet<br>1220 | From E/W<br>WEST | County<br>EDDY |
| Latitude<br>32.7606287 |               |                 |              |     | Longitude<br>104.3399488 |                   |              |                  | NAD<br>83      |

## Last Take Point (LTP)

|                        |               |                 |              |     |                          |                   |             |                  |                |
|------------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>L                | Section<br>11 | Township<br>18S | Range<br>26E | Lot | Feet<br>1980             | From N/S<br>SOUTH | Feet<br>100 | From E/W<br>WEST | County<br>EDDY |
| Latitude<br>32.7606770 |               |                 |              |     | Longitude<br>104.3607801 |                   |             |                  | NAD<br>83      |

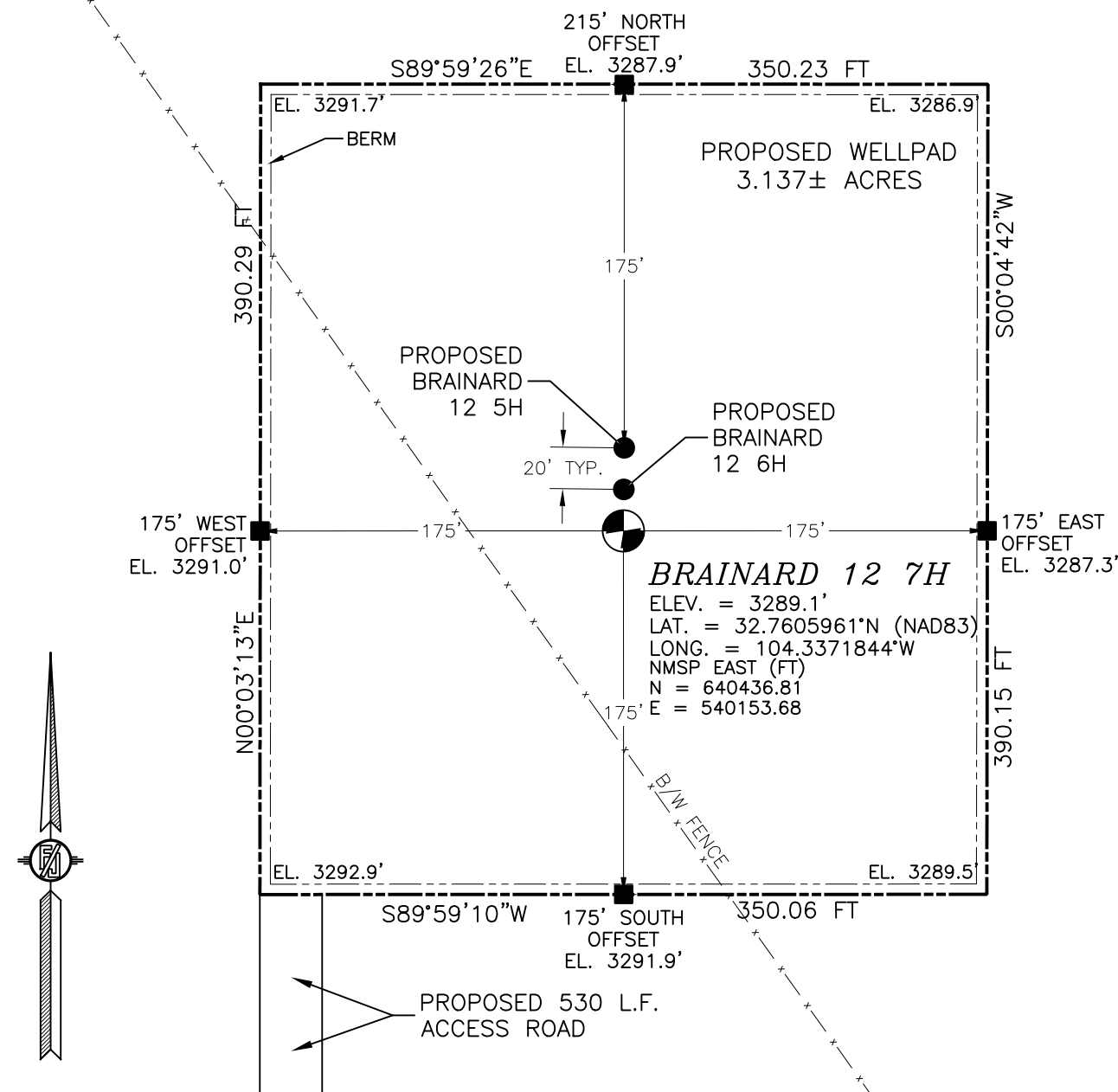
Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

KZ 06/29/2018

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
SITE MAP



0.8 40 80 160  
SCALE 1" = 80'

**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF CO. RD. 39 (FOUR DINKUS) & CO. RD. 44 (FANNING) GO EAST ON 25' CALICHE LEASE ROAD APPROX. 0.5 MILES, TURN LEFT (NORTH) AND GO 0.25 MILES TO AN EXISTING PAD ON RIGHT (EAST), FROM THE SOUTHEAST PAD CORNER FOLLOW ROAD SURVEY NORTHEAST APPROX. 307' THEN NORTH APPROX. 213' TO THE SOUTHWEST PAD CORNER FOR THIS LOCATION.

I, FILIMON F. JARAMILLO, A NEW MEXICO LICENSED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT I HAVE COMPLIED WITH THE MINIMUM STANDARDS FOR SURVEYING IN THE STATE OF NEW MEXICO.

FILIMON F. JARAMILLO, P.S.

MADRON SURVEYING, INC.

301 SOUTH CANAL  
(575) 234-3341

REDWOOD OPERATING, LLC  
**BRAINARD 12 7H**

LOCATED 1960 FT. FROM THE SOUTH LINE  
AND 2070 FT. FROM THE WEST LINE OF  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

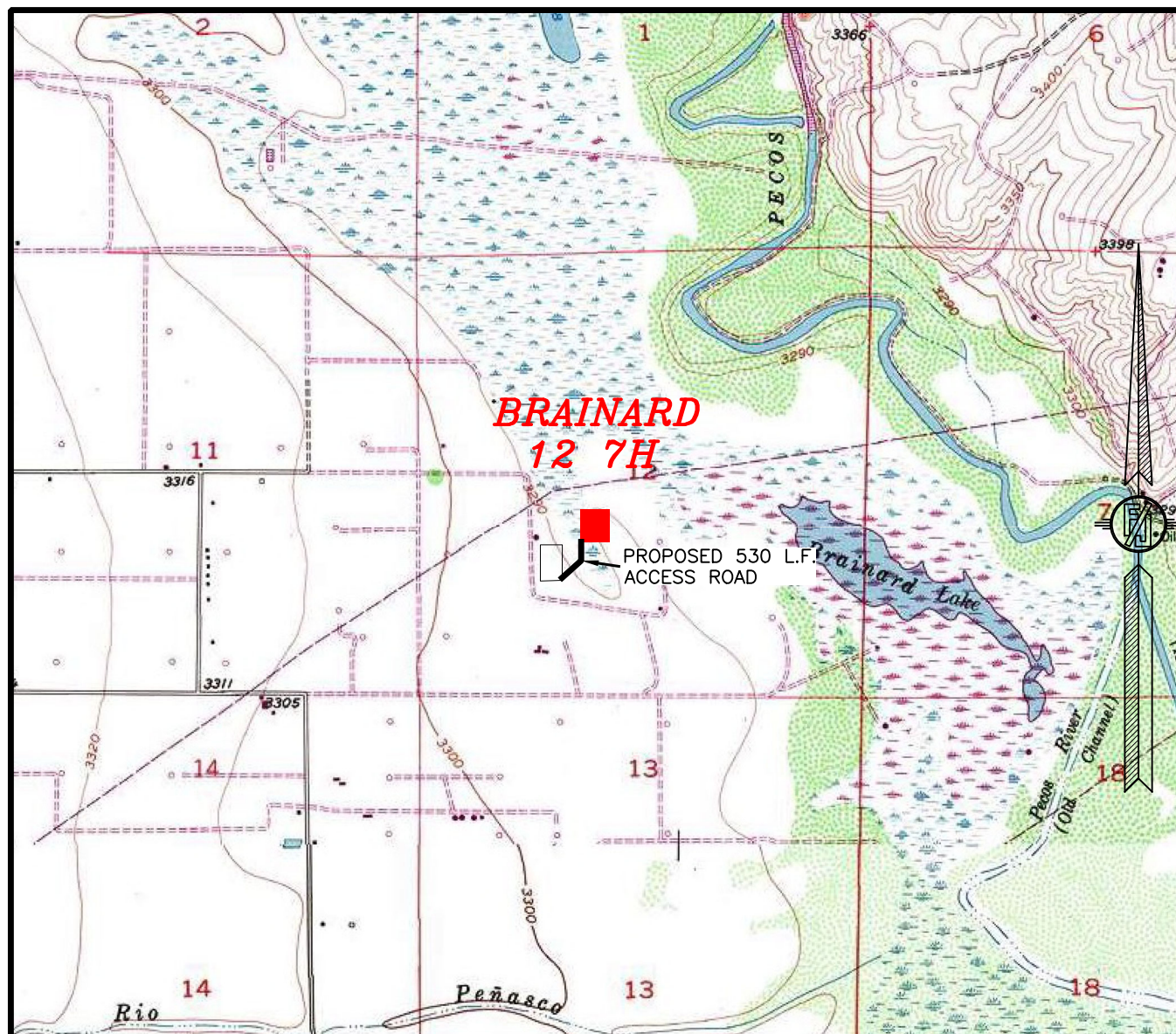
MARCH 11, 2023

SURVEY NO. 9189B

CARLSBAD, NEW MEXICO



SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LOCATION VERIFICATION MAP



USGS QUAD MAP:  
 SPRING LAKE

NOT TO SCALE

REDWOOD OPERATING, LLC  
**BRAINARD 12 7H**  
 LOCATED 1960 FT. FROM THE SOUTH LINE  
 AND 2070 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

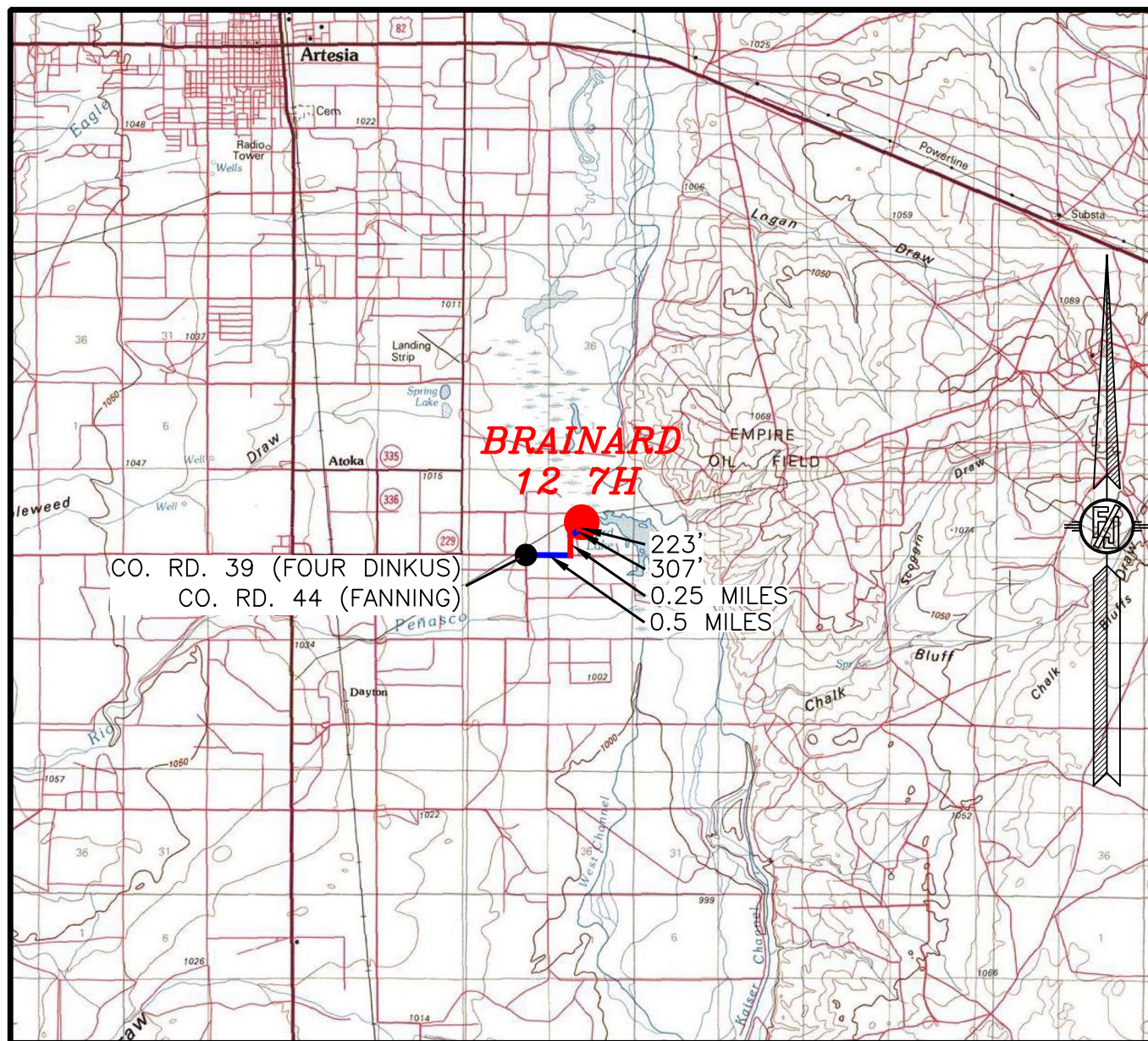
MARCH 11, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 9189B  
 CARLSBAD, NEW MEXICO

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF CO. RD. 39 (FOUR DINKUS) & CO. RD. 44 (FANNING) GO EAST ON 25' CALICHE LEASE ROAD APPROX. 0.5 MILES, TURN LEFT (NORTH) AND GO 0.25 MILES TO AN EXISTING PAD ON RIGHT (EAST), FROM THE SOUTHEAST PAD CORNER FOLLOW ROAD SURVEY NORTHEAST APPROX. 307' THEN NORTH APPROX. 223' TO THE SOUTHWEST PAD CORNER FOR THIS LOCATION.

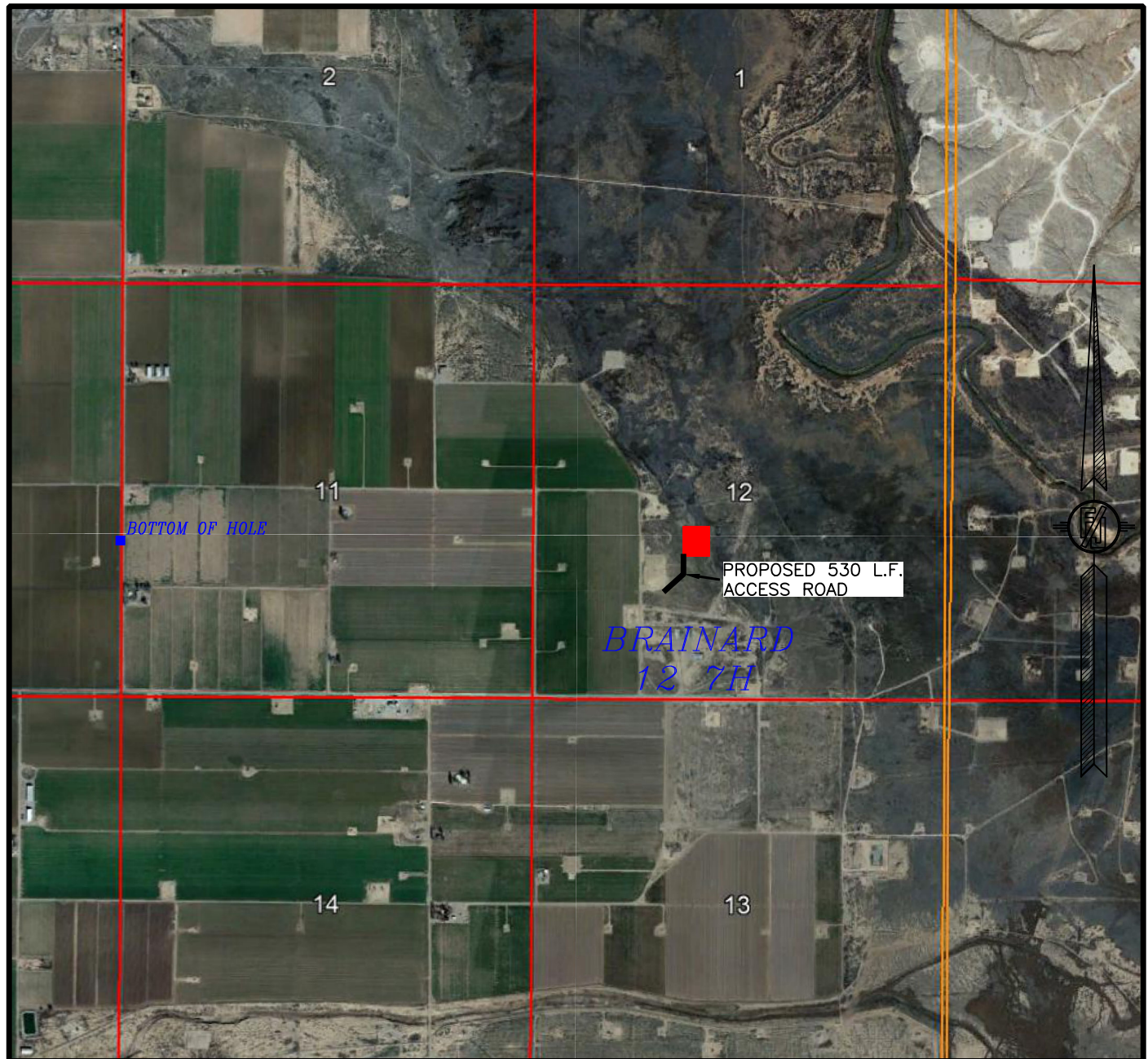
**REDWOOD OPERATING, LLC**  
**BRAINARD 12 7H**  
LOCATED 1960 FT. FROM THE SOUTH LINE  
AND 2070 FT. FROM THE WEST LINE OF  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 11, 2023

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

SURVEY NO. 9189B  
CARLSBAD, NEW MEXICO

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL PHOTO



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 DEC. 2019

REDWOOD OPERATING, LLC  
 BRAINARD 12 7H  
 LOCATED 1960 FT. FROM THE SOUTH LINE  
 AND 2070 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 11, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 9189B  
 CARLSBAD, NEW MEXICO

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL ACCESS ROUTE MAP



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 DEC. 2019

**REDWOOD OPERATING, LLC**  
**BRAINARD 12 7H**  
 LOCATED 1960 FT. FROM THE SOUTH LINE  
 AND 2070 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

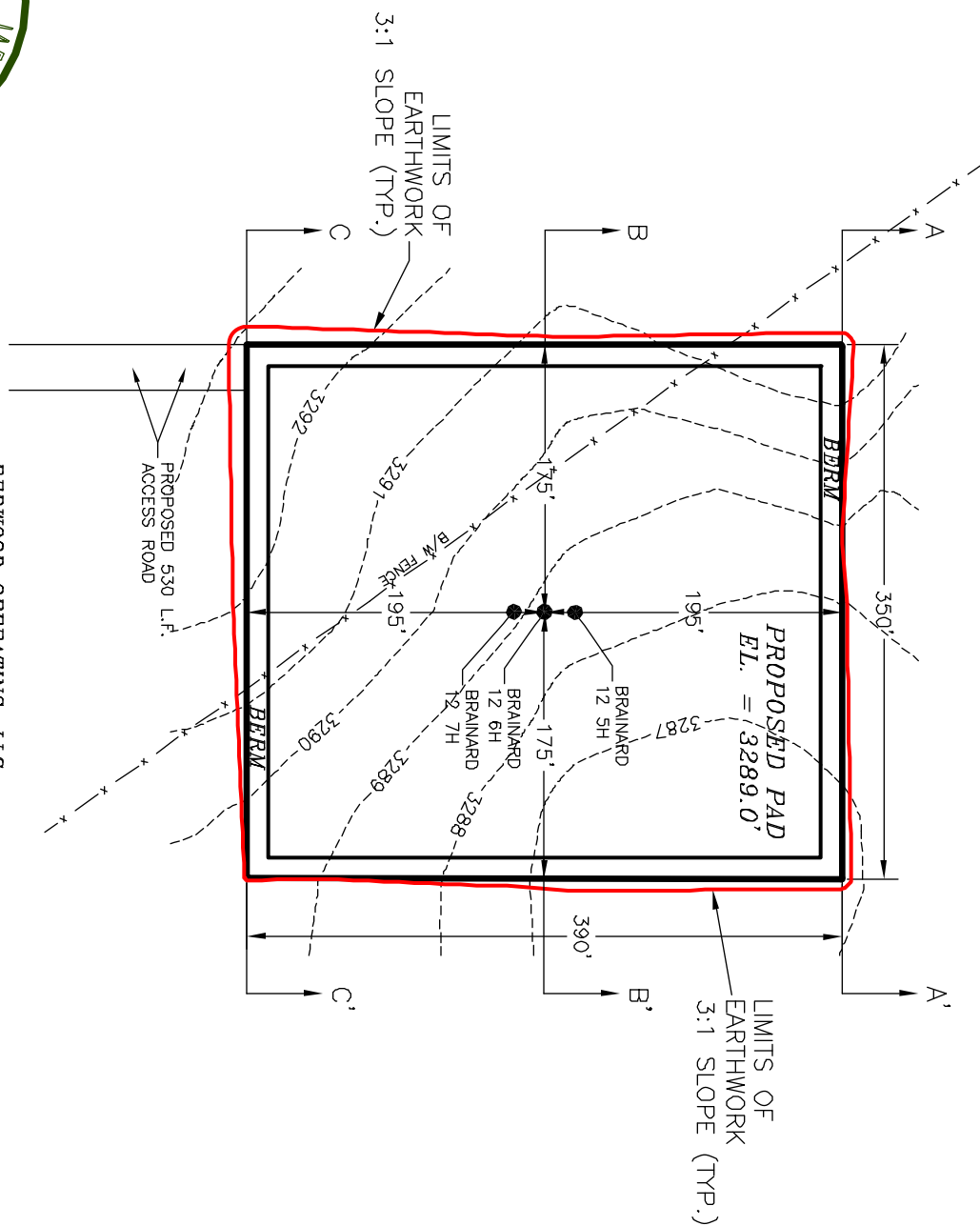
MARCH 11, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 9189B  
 CARLSBAD, NEW MEXICO

# PLAN VIEW



1. FILMON F. JARAMA, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFIED IN THE STATE OF NEW MEXICO, IS RESPONSIBLE FOR THIS SURVEY. THAT THE SURVEYING AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

REDWOOD OPERATING, LLC  
PAD GRADING AND CROSS SECTIONS  
FOR BRAINARD 12 7H  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 11, 2023  
301 SOUTH CANAL  
C. (575) 234-3341 CARLSBAD, NEW MEXICO

SHEET 1-2  
SURVEY NO. 9189B

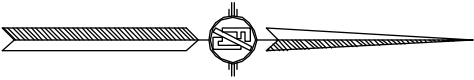
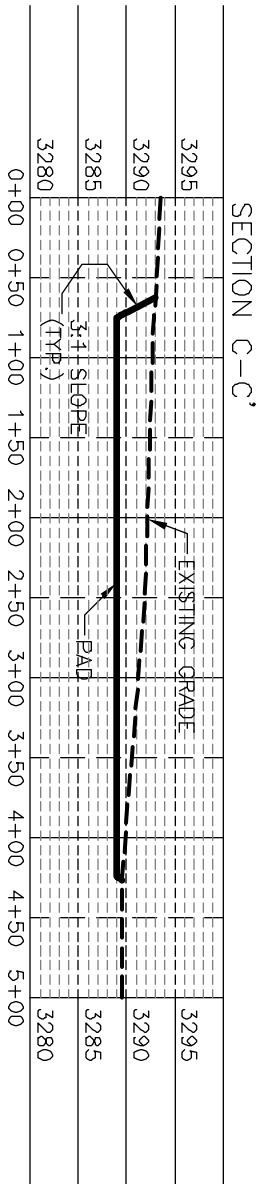
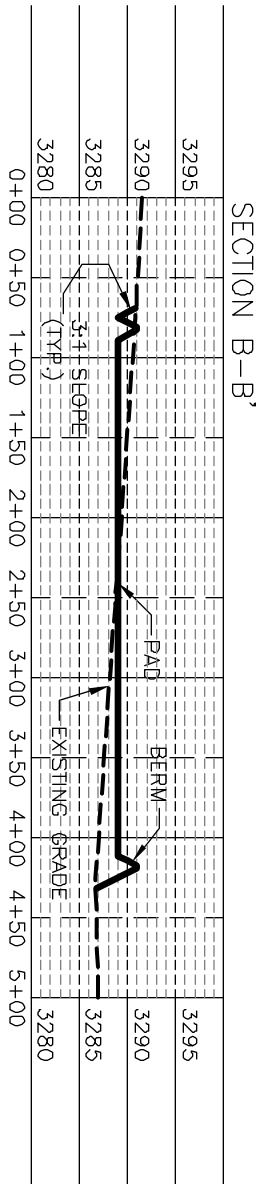
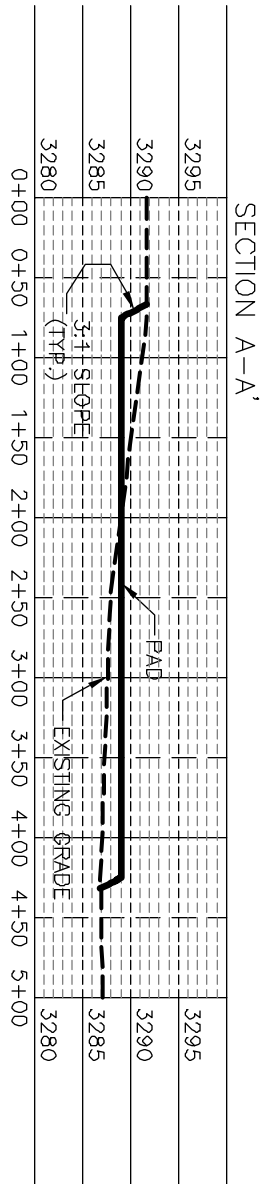
012 60 120 240

SCALE 1" = 120'

| CUT         | FILL        | NET              |
|-------------|-------------|------------------|
| 4021 CU. YD | 3114 CU. YD | 907 CU. YD (CUT) |

EARTHWORK QUANTITIES ARE ESTIMATED

CROSS-SECTIONS



I, FILMON F. JARAN, NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFICATE NO. 12297, AM RESPONSIBLE FOR THIS SURVEY, THAT THE SURVEYING AND PLATTING OF THIS SURVEY, THAT THE SURVEYING AND PLATTING OF THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

REDWOOD OPERATING, LLC  
PAD GRADING AND CROSS SECTIONS  
FOR BRAINARD 12 7H  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

012 60 120 240  
SCALE 1" = 120' - 1" = 20' VER

| CUT         | FILL        | NET              |
|-------------|-------------|------------------|
| 4021 CU. YD | 3114 CU. YD | 907 CU. YD (CUT) |

EARTHWORK QUANTITIES ARE ESTIMATED

MARCH 11, 2023  
301 SOUTH CANAL  
(979) 234-3341  
CARLSBAD, NEW MEXICO

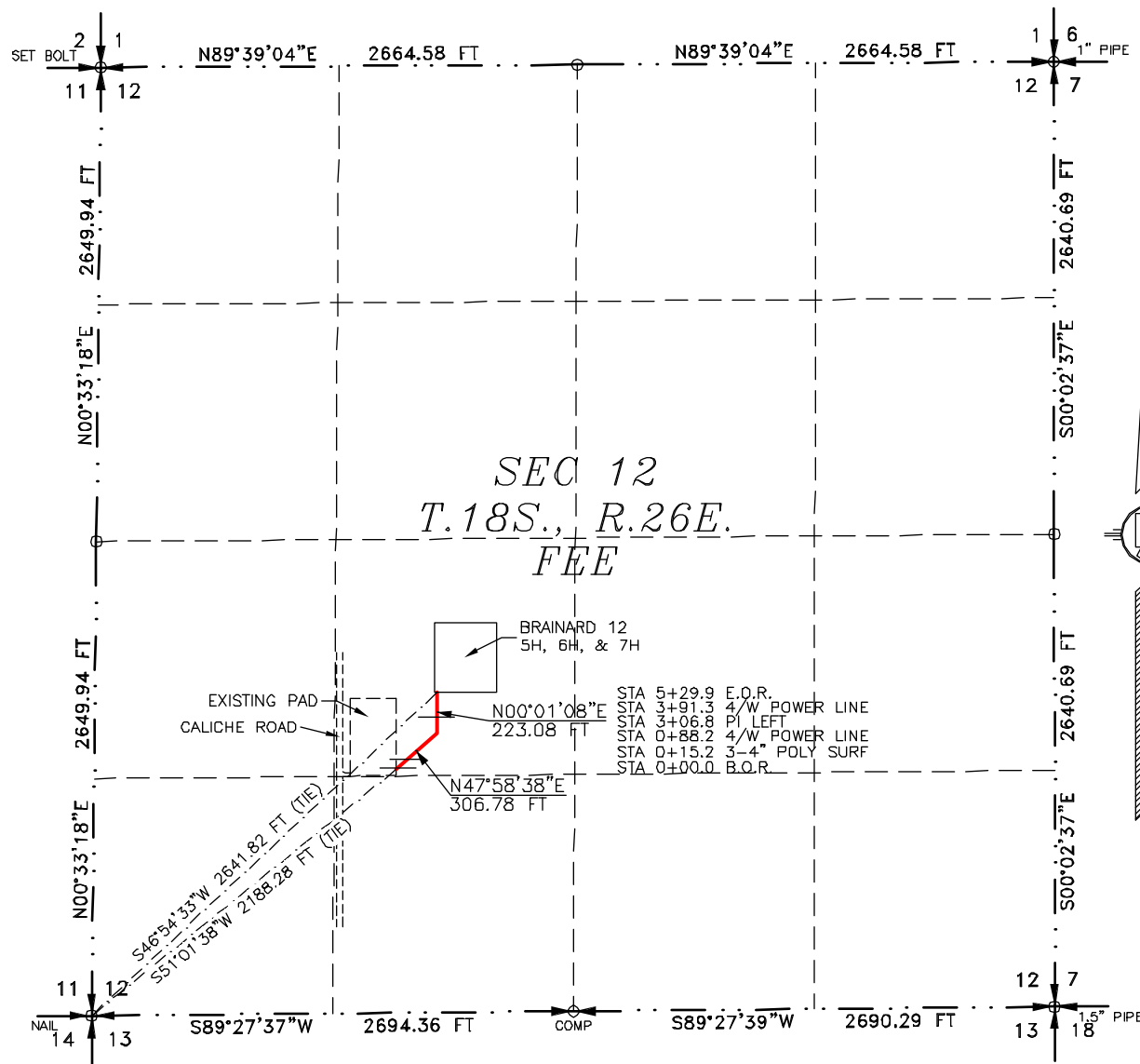
SHEET 2-2  
SURVEY NO. 9189B

**ACCESS ROAD PLAT**

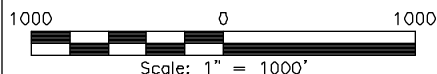
ACCESS ROAD FOR BRAINARD 12 5H, 6H, &amp; 7H

**REDWOOD OPERATING, LLC**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
MARCH 11, 2023**



SEE NEXT SHEET (2-2) 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: 1-2

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

**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 15th DAY OF MARCH 2023

**FILMON F. JARAMILLO**  
 12797  
 NEW MEXICO PROFESSIONAL SURVEYOR  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 (575) 234-3341

**MADRON SURVEYING, INC.**  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

SURVEY NO. 9189B

**ACCESS ROAD PLAT**

ACCESS ROAD FOR BRAINARD 12 5H, 6H, &amp; 7H

**REDWOOD OPERATING, LLC**

**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING  
SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
MARCH 11, 2023**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY 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 SW/4 OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., WHENCE THE SOUTHWEST CORNER OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS S51°01'38"W, A DISTANCE OF 2188.28 FEET;  
THENCE N47°58'38"E A DISTANCE OF 306.78 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
THENCE N00°01'08"E A DISTANCE OF 223.08 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS S46°54'33"W, A DISTANCE OF 2641.82 FEET;

SAID STRIP OF LAND BEING 529.86 FEET OR 32.11 RODS IN LENGTH, CONTAINING 0.365 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SW/4    529.86 L.F.    32.11 RODS    0.365 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: 2-2

**MADRON SURVEYING, INC.** 301 SOUTH CANAL, CARLSBAD, NEW MEXICO 88220  
(575) 234-3341

**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, THE 11th DAY OF MARCH 2023



MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3341

SURVEY NO. 9189B

## Brainard 12 #7H, Plan 1

|                                         |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
|-----------------------------------------|--------------------------------------------------------------------------------------------|-------|------------|---------|---------------|--------------|---------------------------------------------|-------------------|-----------------|--------------|------|
| Operator                                | Redwood Operating LLC                                                                      |       |            | Units   | feet, °/100ft |              | 10:03 Wednesday, March 15, 2023 Page 1 of 5 |                   |                 |              |      |
| Field                                   |                                                                                            |       |            | County  | Eddy          |              | Vertical Section Azimuth                    | 270.17            |                 |              |      |
| Well Name                               | Brainard 12 #7H                                                                            |       |            | State   | New Mexico    |              | Survey Calculation Method                   | Minimum Curvature |                 |              |      |
| Plan                                    | 1                                                                                          |       |            | Country | USA           |              | Database                                    | Access            |                 |              |      |
| Location                                | SL: 1960 FSL & 2070 FWL Section 12-T18S-R26E<br>BHL: 1980 FSL & 1 FWL Section 11-T18S-R26E |       |            |         |               | Map Zone     | UTM                                         |                   | Lat Long Ref    |              |      |
| Site                                    |                                                                                            |       |            |         |               | Surface X    | 1844234.6                                   |                   | Surface Long    |              |      |
| Slot Name                               |                                                                                            |       | UWI        |         |               | Surface Y    | 11892085.5                                  |                   | Surface Lat     |              |      |
| Well Number                             | 7H                                                                                         |       |            | API     | 30-015-49213  |              | Surface Z                                   | 3307.6            |                 | Global Z Ref | KB   |
| Project                                 |                                                                                            |       | MD/TVD Ref | KB      |               | Ground Level | 3289.1                                      |                   | Local North Ref |              | Grid |
| DIRECTIONAL WELL PLAN                   |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| MD*                                     | INC*                                                                                       | AZI*  | TVD*       | N*      | E*            | DLS*         | V. S.*                                      | MapE*             | MapN*           | SysTVD*      |      |
| ft                                      | deg                                                                                        | deg   | ft         | ft      | ft            | °/100ft      | ft                                          | ft                | ft              | ft           |      |
| *** TIE (at MD = 2188.00)               |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| 2188.00                                 | 0.00                                                                                       | 0.0   | 2188.00    | 0.00    | 0.00          |              | 0.00                                        | 1844234.60        | 11892085.50     | 1119.60      |      |
| 2200.00                                 | 0.00                                                                                       | 0.0   | 2200.00    | 0.00    | 0.00          | 0.00         | 0.00                                        | 1844234.60        | 11892085.50     | 1107.60      |      |
| 2250.00                                 | 0.00                                                                                       | 0.0   | 2250.00    | 0.00    | 0.00          | 0.00         | 0.00                                        | 1844234.60        | 11892085.50     | 1057.60      |      |
| *** KOP 8 DEGREES (at MD = 2288.00)     |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| 2288.00                                 | 0.00                                                                                       | 0.0   | 2288.00    | 0.00    | 0.00          | 0.00         | 0.00                                        | 1844234.60        | 11892085.50     | 1019.60      |      |
| 2300.00                                 | 0.96                                                                                       | 271.0 | 2300.00    | 0.00    | -0.10         | 8.00         | 0.10                                        | 1844234.50        | 11892085.50     | 1007.60      |      |
| 2350.00                                 | 4.96                                                                                       | 271.0 | 2349.92    | 0.05    | -2.68         | 8.00         | 2.68                                        | 1844231.92        | 11892085.55     | 957.68       |      |
| 2400.00                                 | 8.96                                                                                       | 271.0 | 2399.54    | 0.15    | -8.74         | 8.00         | 8.74                                        | 1844225.86        | 11892085.65     | 908.06       |      |
| 2450.00                                 | 12.96                                                                                      | 271.0 | 2448.62    | 0.32    | -18.24        | 8.00         | 18.24                                       | 1844216.36        | 11892085.82     | 858.98       |      |
| 2500.00                                 | 16.96                                                                                      | 271.0 | 2496.92    | 0.54    | -31.14        | 8.00         | 31.15                                       | 1844203.46        | 11892086.04     | 810.68       |      |
| 2550.00                                 | 20.96                                                                                      | 271.0 | 2544.20    | 0.83    | -47.38        | 8.00         | 47.39                                       | 1844187.22        | 11892086.33     | 763.40       |      |
| 2600.00                                 | 24.96                                                                                      | 271.0 | 2590.22    | 1.17    | -66.88        | 8.00         | 66.88                                       | 1844167.72        | 11892086.67     | 717.38       |      |
| 2650.00                                 | 28.96                                                                                      | 271.0 | 2634.78    | 1.56    | -89.54        | 8.00         | 89.55                                       | 1844145.06        | 11892087.06     | 672.82       |      |
| 2700.00                                 | 32.96                                                                                      | 271.0 | 2677.65    | 2.01    | -115.25       | 8.00         | 115.26                                      | 1844119.35        | 11892087.51     | 629.95       |      |
| 2750.00                                 | 36.96                                                                                      | 271.0 | 2718.62    | 2.51    | -143.89       | 8.00         | 143.90                                      | 1844090.71        | 11892088.01     | 588.98       |      |
| 2800.00                                 | 40.96                                                                                      | 271.0 | 2757.49    | 3.06    | -175.32       | 8.00         | 175.33                                      | 1844059.28        | 11892088.56     | 550.11       |      |
| 2850.00                                 | 44.96                                                                                      | 271.0 | 2794.07    | 3.65    | -209.38       | 8.00         | 209.39                                      | 1844025.22        | 11892089.15     | 513.53       |      |
| 2900.00                                 | 48.96                                                                                      | 271.0 | 2828.19    | 4.29    | -245.91       | 8.00         | 245.93                                      | 1843988.69        | 11892089.79     | 479.41       |      |
| 2950.00                                 | 52.96                                                                                      | 271.0 | 2859.68    | 4.97    | -284.74       | 8.00         | 284.75                                      | 1843949.86        | 11892090.47     | 447.92       |      |
| *** 55 DEGREE TANGENT (at MD = 2975.50) |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| 2975.50                                 | 55.00                                                                                      | 271.0 | 2874.67    | 5.33    | -305.36       | 8.00         | 305.37                                      | 1843929.24        | 11892090.83     | 432.93       |      |
| 3000.00                                 | 55.00                                                                                      | 271.0 | 2888.73    | 5.68    | -325.42       | 0.00         | 325.44                                      | 1843909.18        | 11892091.18     | 418.87       |      |
| 3050.00                                 | 55.00                                                                                      | 271.0 | 2917.41    | 6.40    | -366.37       | 0.00         | 366.39                                      | 1843868.23        | 11892091.90     | 390.19       |      |
| 3100.00                                 | 55.00                                                                                      | 271.0 | 2946.08    | 7.11    | -407.33       | 0.00         | 407.35                                      | 1843827.27        | 11892092.61     | 361.52       |      |
| 3150.00                                 | 55.00                                                                                      | 271.0 | 2974.76    | 7.82    | -448.28       | 0.00         | 448.30                                      | 1843786.32        | 11892093.32     | 332.84       |      |
| 3200.00                                 | 55.00                                                                                      | 271.0 | 3003.44    | 8.54    | -489.23       | 0.00         | 489.25                                      | 1843745.37        | 11892094.04     | 304.16       |      |
| *** 10 DEGREE BUILD (at MD = 3225.50)   |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| 3225.50                                 | 55.00                                                                                      | 271.0 | 3018.07    | 8.90    | -510.11       | 0.00         | 510.14                                      | 1843724.49        | 11892094.40     | 289.53       |      |
| 3250.00                                 | 57.45                                                                                      | 270.9 | 3031.69    | 9.25    | -530.47       | 10.00        | 530.50                                      | 1843704.13        | 11892094.75     | 275.91       |      |
| 3300.00                                 | 62.45                                                                                      | 270.8 | 3056.72    | 9.89    | -573.73       | 10.00        | 573.76                                      | 1843660.87        | 11892095.39     | 250.88       |      |
| 3350.00                                 | 67.45                                                                                      | 270.7 | 3077.88    | 10.47   | -619.01       | 10.00        | 619.04                                      | 1843615.59        | 11892095.97     | 229.72       |      |
| 3400.00                                 | 72.45                                                                                      | 270.5 | 3095.02    | 10.96   | -665.96       | 10.00        | 665.99                                      | 1843568.64        | 11892096.46     | 212.58       |      |
| 3450.00                                 | 77.44                                                                                      | 270.4 | 3108.01    | 11.37   | -714.23       | 10.00        | 714.26                                      | 1843520.37        | 11892096.87     | 199.59       |      |
| 3500.00                                 | 82.44                                                                                      | 270.3 | 3116.74    | 11.70   | -763.45       | 10.00        | 763.48                                      | 1843471.15        | 11892097.20     | 190.86       |      |
| 3550.00                                 | 87.44                                                                                      | 270.2 | 3121.14    | 11.94   | -813.23       | 10.00        | 813.27                                      | 1843421.37        | 11892097.44     | 186.46       |      |
| *** LANDING POINT (at MD = 3576.59)     |                                                                                            |       |            |         |               |              |                                             |                   |                 |              |      |
| 3576.59                                 | 90.10                                                                                      | 270.2 | 3121.71    | 12.03   | -839.81       | 10.00        | 839.84                                      | 1843394.79        | 11892097.53     | 185.89       |      |
| 3600.00                                 | 90.10                                                                                      | 270.2 | 3121.67    | 12.10   | -863.23       | 0.00         | 863.26                                      | 1843371.37        | 11892097.60     | 185.93       |      |

## Brainard 12 #7H, Plan 1

|                              |                                                                                            |             |             |                   |               |             |                                             |                   |              |                             |
|------------------------------|--------------------------------------------------------------------------------------------|-------------|-------------|-------------------|---------------|-------------|---------------------------------------------|-------------------|--------------|-----------------------------|
| <b>Operator</b>              | Redwood Operating LLC                                                                      |             |             | <b>Units</b>      | feet, °/100ft |             | 10:03 Wednesday, March 15, 2023 Page 2 of 5 |                   |              |                             |
| <b>Field</b>                 |                                                                                            |             |             | <b>County</b>     | Eddy          |             | <b>Vertical Section Azimuth</b>             | 270.17            |              |                             |
| <b>Well Name</b>             | Brainard 12 #7H                                                                            |             |             | <b>State</b>      | New Mexico    |             | <b>Survey Calculation Method</b>            | Minimum Curvature |              |                             |
| <b>Plan</b>                  | 1                                                                                          |             |             | <b>Country</b>    | USA           |             | <b>Database</b>                             | Access            |              |                             |
| <b>Location</b>              | SL: 1960 FSL & 2070 FWL Section 12-T18S-R26E<br>BHL: 1980 FSL & 1 FWL Section 11-T18S-R26E |             |             |                   |               |             | <b>Map Zone</b>                             | UTM               |              | <b>Lat Long Ref</b>         |
| <b>Site</b>                  |                                                                                            |             |             |                   |               |             | <b>Surface X</b>                            | 1844234.6         |              | <b>Surface Long</b>         |
| <b>Slot Name</b>             |                                                                                            |             |             | <b>UWI</b>        |               |             | <b>Surface Y</b>                            | 11892085.5        |              | <b>Surface Lat</b>          |
| <b>Well Number</b>           | 7H                                                                                         |             |             | <b>API</b>        | 30-015-49213  |             | <b>Surface Z</b>                            | 3307.6            |              | <b>Global Z Ref</b> KB      |
| <b>Project</b>               |                                                                                            |             |             | <b>MD/TVD Ref</b> | KB            |             | <b>Ground Level</b>                         | 3289.1            |              | <b>Local North Ref</b> Grid |
| <b>DIRECTIONAL WELL PLAN</b> |                                                                                            |             |             |                   |               |             |                                             |                   |              |                             |
|                              |                                                                                            |             |             |                   |               |             |                                             |                   |              |                             |
| <b>MD*</b>                   | <b>INC*</b>                                                                                | <b>AZI*</b> | <b>TVD*</b> | <b>N*</b>         | <b>E*</b>     | <b>DLS*</b> | <b>V. S.*</b>                               | <b>MapE*</b>      | <b>MapN*</b> | <b>SysTVD*</b>              |
| ft                           | deg                                                                                        | deg         | ft          | ft                | ft            | °/100ft     | ft                                          | ft                | ft           | ft                          |
| 3650.00                      | 90.10                                                                                      | 270.2       | 3121.58     | 12.25             | -913.23       | 0.00        | 913.26                                      | 1843321.38        | 11892097.75  | 186.02                      |
| 3700.00                      | 90.10                                                                                      | 270.2       | 3121.50     | 12.40             | -963.22       | 0.00        | 963.26                                      | 1843271.38        | 11892097.90  | 186.10                      |
| 3750.00                      | 90.10                                                                                      | 270.2       | 3121.41     | 12.55             | -1013.22      | 0.00        | 1013.26                                     | 1843221.38        | 11892098.05  | 186.19                      |
| 3800.00                      | 90.10                                                                                      | 270.2       | 3121.32     | 12.70             | -1063.22      | 0.00        | 1063.26                                     | 1843171.38        | 11892098.20  | 186.28                      |
| 3850.00                      | 90.10                                                                                      | 270.2       | 3121.24     | 12.84             | -1113.22      | 0.00        | 1113.26                                     | 1843121.38        | 11892098.34  | 186.36                      |
| 3900.00                      | 90.10                                                                                      | 270.2       | 3121.15     | 12.99             | -1163.22      | 0.00        | 1163.26                                     | 1843071.38        | 11892098.49  | 186.45                      |
| 3950.00                      | 90.10                                                                                      | 270.2       | 3121.06     | 13.14             | -1213.22      | 0.00        | 1213.26                                     | 1843021.38        | 11892098.64  | 186.54                      |
| 4000.00                      | 90.10                                                                                      | 270.2       | 3120.97     | 13.29             | -1263.22      | 0.00        | 1263.26                                     | 1842971.38        | 11892098.79  | 186.63                      |
| 4050.00                      | 90.10                                                                                      | 270.2       | 3120.89     | 13.44             | -1313.22      | 0.00        | 1313.26                                     | 1842921.38        | 11892098.94  | 186.71                      |
| 4100.00                      | 90.10                                                                                      | 270.2       | 3120.80     | 13.59             | -1363.22      | 0.00        | 1363.26                                     | 1842871.38        | 11892099.09  | 186.80                      |
| 4150.00                      | 90.10                                                                                      | 270.2       | 3120.71     | 13.73             | -1413.22      | 0.00        | 1413.26                                     | 1842821.38        | 11892099.23  | 186.89                      |
| 4200.00                      | 90.10                                                                                      | 270.2       | 3120.62     | 13.88             | -1463.22      | 0.00        | 1463.26                                     | 1842771.38        | 11892099.38  | 186.98                      |
| 4250.00                      | 90.10                                                                                      | 270.2       | 3120.54     | 14.03             | -1513.22      | 0.00        | 1513.26                                     | 1842721.38        | 11892099.53  | 187.06                      |
| 4300.00                      | 90.10                                                                                      | 270.2       | 3120.45     | 14.18             | -1563.22      | 0.00        | 1563.26                                     | 1842671.38        | 11892099.68  | 187.15                      |
| 4350.00                      | 90.10                                                                                      | 270.2       | 3120.36     | 14.33             | -1613.22      | 0.00        | 1613.26                                     | 1842621.38        | 11892099.83  | 187.24                      |
| 4400.00                      | 90.10                                                                                      | 270.2       | 3120.28     | 14.48             | -1663.22      | 0.00        | 1663.26                                     | 1842571.38        | 11892099.98  | 187.32                      |
| 4450.00                      | 90.10                                                                                      | 270.2       | 3120.19     | 14.62             | -1713.22      | 0.00        | 1713.26                                     | 1842521.38        | 11892100.12  | 187.41                      |
| 4500.00                      | 90.10                                                                                      | 270.2       | 3120.10     | 14.77             | -1763.22      | 0.00        | 1763.26                                     | 1842471.38        | 11892100.27  | 187.50                      |
| 4550.00                      | 90.10                                                                                      | 270.2       | 3120.01     | 14.92             | -1813.22      | 0.00        | 1813.26                                     | 1842421.38        | 11892100.42  | 187.59                      |
| 4600.00                      | 90.10                                                                                      | 270.2       | 3119.93     | 15.07             | -1863.22      | 0.00        | 1863.26                                     | 1842371.38        | 11892100.57  | 187.67                      |
| 4650.00                      | 90.10                                                                                      | 270.2       | 3119.84     | 15.22             | -1913.22      | 0.00        | 1913.26                                     | 1842321.38        | 11892100.72  | 187.76                      |
| 4700.00                      | 90.10                                                                                      | 270.2       | 3119.75     | 15.37             | -1963.22      | 0.00        | 1963.26                                     | 1842271.38        | 11892100.87  | 187.85                      |
| 4750.00                      | 90.10                                                                                      | 270.2       | 3119.66     | 15.51             | -2013.22      | 0.00        | 2013.26                                     | 1842221.38        | 11892101.01  | 187.94                      |
| 4800.00                      | 90.10                                                                                      | 270.2       | 3119.58     | 15.66             | -2063.22      | 0.00        | 2063.26                                     | 1842171.38        | 11892101.16  | 188.02                      |
| 4850.00                      | 90.10                                                                                      | 270.2       | 3119.49     | 15.81             | -2113.22      | 0.00        | 2113.26                                     | 1842121.38        | 11892101.31  | 188.11                      |
| 4900.00                      | 90.10                                                                                      | 270.2       | 3119.40     | 15.96             | -2163.22      | 0.00        | 2163.26                                     | 1842071.38        | 11892101.46  | 188.20                      |
| 4950.00                      | 90.10                                                                                      | 270.2       | 3119.32     | 16.11             | -2213.22      | 0.00        | 2213.26                                     | 1842021.38        | 11892101.61  | 188.28                      |
| 5000.00                      | 90.10                                                                                      | 270.2       | 3119.23     | 16.26             | -2263.22      | 0.00        | 2263.26                                     | 1841971.38        | 11892101.76  | 188.37                      |
| 5050.00                      | 90.10                                                                                      | 270.2       | 3119.14     | 16.40             | -2313.22      | 0.00        | 2313.26                                     | 1841921.38        | 11892101.90  | 188.46                      |
| 5100.00                      | 90.10                                                                                      | 270.2       | 3119.05     | 16.55             | -2363.22      | 0.00        | 2363.26                                     | 1841871.38        | 11892102.05  | 188.55                      |
| 5150.00                      | 90.10                                                                                      | 270.2       | 3118.97     | 16.70             | -2413.22      | 0.00        | 2413.26                                     | 1841821.38        | 11892102.20  | 188.63                      |
| 5200.00                      | 90.10                                                                                      | 270.2       | 3118.88     | 16.85             | -2463.22      | 0.00        | 2463.25                                     | 1841771.38        | 11892102.35  | 188.72                      |
| 5250.00                      | 90.10                                                                                      | 270.2       | 3118.79     | 17.00             | -2513.22      | 0.00        | 2513.25                                     | 1841721.38        | 11892102.50  | 188.81                      |
| 5300.00                      | 90.10                                                                                      | 270.2       | 3118.70     | 17.15             | -2563.22      | 0.00        | 2563.25                                     | 1841671.38        | 11892102.65  | 188.90                      |
| 5350.00                      | 90.10                                                                                      | 270.2       | 3118.62     | 17.29             | -2613.21      | 0.00        | 2613.25                                     | 1841621.39        | 11892102.79  | 188.98                      |
| 5400.00                      | 90.10                                                                                      | 270.2       | 3118.53     | 17.44             | -2663.21      | 0.00        | 2663.25                                     | 1841571.39        | 11892102.94  | 189.07                      |
| 5450.00                      | 90.10                                                                                      | 270.2       | 3118.44     | 17.59             | -2713.21      | 0.00        | 2713.25                                     | 1841521.39        | 11892103.09  | 189.16                      |

## Brainard 12 #7H, Plan 1

|                    |                                                                                            |                   |               |                                  |                   |
|--------------------|--------------------------------------------------------------------------------------------|-------------------|---------------|----------------------------------|-------------------|
| <b>Operator</b>    | Redwood Operating LLC                                                                      | <b>Units</b>      | feet, °/100ft | 10:03 Wednesday, March 15, 2023  | Page 3 of 5       |
| <b>Field</b>       |                                                                                            | <b>County</b>     | Eddy          | <b>Vertical Section Azimuth</b>  | 270.17            |
| <b>Well Name</b>   | Brainard 12 #7H                                                                            | <b>State</b>      | New Mexico    | <b>Survey Calculation Method</b> | Minimum Curvature |
| <b>Plan</b>        | 1                                                                                          | <b>Country</b>    | USA           | <b>Database</b>                  | Access            |
| <b>Location</b>    | SL: 1960 FSL & 2070 FWL Section 12-T18S-R26E<br>BHL: 1980 FSL & 1 FWL Section 11-T18S-R26E |                   |               | <b>Map Zone</b>                  | UTM               |
| <b>Site</b>        |                                                                                            |                   |               | <b>Surface X</b>                 | 1844234.6         |
| <b>Slot Name</b>   |                                                                                            | <b>UWI</b>        |               | <b>Surface Y</b>                 | 11892085.5        |
| <b>Well Number</b> | 7H                                                                                         | <b>API</b>        | 30-015-49213  | <b>Surface Z</b>                 | 3307.6            |
| <b>Project</b>     |                                                                                            | <b>MD/TVD Ref</b> | KB            | <b>Ground Level</b>              | 3289.1            |
|                    |                                                                                            |                   |               | <b>Local North Ref</b>           | Grid              |

## DIRECTIONAL WELL PLAN

| MD*     | INC*  | AZI*  | TVD*    | N*    | E*       | DLS*    | V. S.*  | MapE*      | MapN*       | SysTVD* |
|---------|-------|-------|---------|-------|----------|---------|---------|------------|-------------|---------|
| ft      | deg   | deg   | ft      | ft    | ft       | °/100ft | ft      | ft         | ft          | ft      |
| 5500.00 | 90.10 | 270.2 | 3118.36 | 17.74 | -2763.21 | 0.00    | 2763.25 | 1841471.39 | 11892103.24 | 189.24  |
| 5550.00 | 90.10 | 270.2 | 3118.27 | 17.89 | -2813.21 | 0.00    | 2813.25 | 1841421.39 | 11892103.39 | 189.33  |
| 5600.00 | 90.10 | 270.2 | 3118.18 | 18.04 | -2863.21 | 0.00    | 2863.25 | 1841371.39 | 11892103.54 | 189.42  |
| 5650.00 | 90.10 | 270.2 | 3118.09 | 18.19 | -2913.21 | 0.00    | 2913.25 | 1841321.39 | 11892103.69 | 189.51  |
| 5700.00 | 90.10 | 270.2 | 3118.01 | 18.33 | -2963.21 | 0.00    | 2963.25 | 1841271.39 | 11892103.83 | 189.59  |
| 5750.00 | 90.10 | 270.2 | 3117.92 | 18.48 | -3013.21 | 0.00    | 3013.25 | 1841221.39 | 11892103.98 | 189.68  |
| 5800.00 | 90.10 | 270.2 | 3117.83 | 18.63 | -3063.21 | 0.00    | 3063.25 | 1841171.39 | 11892104.13 | 189.77  |
| 5850.00 | 90.10 | 270.2 | 3117.75 | 18.78 | -3113.21 | 0.00    | 3113.25 | 1841121.39 | 11892104.28 | 189.86  |
| 5900.00 | 90.10 | 270.2 | 3117.66 | 18.93 | -3163.21 | 0.00    | 3163.25 | 1841071.39 | 11892104.43 | 189.94  |
| 5950.00 | 90.10 | 270.2 | 3117.57 | 19.08 | -3213.21 | 0.00    | 3213.25 | 1841021.39 | 11892104.58 | 190.03  |
| 6000.00 | 90.10 | 270.2 | 3117.48 | 19.22 | -3263.21 | 0.00    | 3263.25 | 1840971.39 | 11892104.72 | 190.12  |
| 6050.00 | 90.10 | 270.2 | 3117.40 | 19.37 | -3313.21 | 0.00    | 3313.25 | 1840921.39 | 11892104.87 | 190.20  |
| 6100.00 | 90.10 | 270.2 | 3117.31 | 19.52 | -3363.21 | 0.00    | 3363.25 | 1840871.39 | 11892105.02 | 190.29  |
| 6150.00 | 90.10 | 270.2 | 3117.22 | 19.67 | -3413.21 | 0.00    | 3413.25 | 1840821.39 | 11892105.17 | 190.38  |
| 6200.00 | 90.10 | 270.2 | 3117.13 | 19.82 | -3463.21 | 0.00    | 3463.25 | 1840771.39 | 11892105.32 | 190.47  |
| 6250.00 | 90.10 | 270.2 | 3117.05 | 19.97 | -3513.21 | 0.00    | 3513.25 | 1840721.39 | 11892105.47 | 190.55  |
| 6300.00 | 90.10 | 270.2 | 3116.96 | 20.11 | -3563.21 | 0.00    | 3563.25 | 1840671.39 | 11892105.61 | 190.64  |
| 6350.00 | 90.10 | 270.2 | 3116.87 | 20.26 | -3613.21 | 0.00    | 3613.25 | 1840621.39 | 11892105.76 | 190.73  |
| 6400.00 | 90.10 | 270.2 | 3116.79 | 20.41 | -3663.21 | 0.00    | 3663.25 | 1840571.39 | 11892105.91 | 190.81  |
| 6450.00 | 90.10 | 270.2 | 3116.70 | 20.56 | -3713.21 | 0.00    | 3713.25 | 1840521.39 | 11892106.06 | 190.90  |
| 6500.00 | 90.10 | 270.2 | 3116.61 | 20.71 | -3763.21 | 0.00    | 3763.25 | 1840471.39 | 11892106.21 | 190.99  |
| 6550.00 | 90.10 | 270.2 | 3116.52 | 20.86 | -3813.21 | 0.00    | 3813.25 | 1840421.39 | 11892106.36 | 191.08  |
| 6600.00 | 90.10 | 270.2 | 3116.44 | 21.00 | -3863.21 | 0.00    | 3863.25 | 1840371.39 | 11892106.50 | 191.16  |
| 6650.00 | 90.10 | 270.2 | 3116.35 | 21.15 | -3913.21 | 0.00    | 3913.25 | 1840321.39 | 11892106.65 | 191.25  |
| 6700.00 | 90.10 | 270.2 | 3116.26 | 21.30 | -3963.21 | 0.00    | 3963.25 | 1840271.39 | 11892106.80 | 191.34  |
| 6750.00 | 90.10 | 270.2 | 3116.17 | 21.45 | -4013.21 | 0.00    | 4013.25 | 1840221.39 | 11892106.95 | 191.43  |
| 6800.00 | 90.10 | 270.2 | 3116.09 | 21.60 | -4063.21 | 0.00    | 4063.25 | 1840171.39 | 11892107.10 | 191.51  |
| 6850.00 | 90.10 | 270.2 | 3116.00 | 21.75 | -4113.21 | 0.00    | 4113.25 | 1840121.39 | 11892107.25 | 191.60  |
| 6900.00 | 90.10 | 270.2 | 3115.91 | 21.89 | -4163.21 | 0.00    | 4163.25 | 1840071.39 | 11892107.39 | 191.69  |
| 6950.00 | 90.10 | 270.2 | 3115.83 | 22.04 | -4213.21 | 0.00    | 4213.25 | 1840021.39 | 11892107.54 | 191.77  |
| 7000.00 | 90.10 | 270.2 | 3115.74 | 22.19 | -4263.21 | 0.00    | 4263.25 | 1839971.39 | 11892107.69 | 191.86  |
| 7050.00 | 90.10 | 270.2 | 3115.65 | 22.34 | -4313.20 | 0.00    | 4313.25 | 1839921.40 | 11892107.84 | 191.95  |
| 7100.00 | 90.10 | 270.2 | 3115.56 | 22.49 | -4363.20 | 0.00    | 4363.25 | 1839871.40 | 11892107.99 | 192.04  |
| 7150.00 | 90.10 | 270.2 | 3115.48 | 22.64 | -4413.20 | 0.00    | 4413.25 | 1839821.40 | 11892108.14 | 192.12  |
| 7200.00 | 90.10 | 270.2 | 3115.39 | 22.78 | -4463.20 | 0.00    | 4463.25 | 1839771.40 | 11892108.28 | 192.21  |
| 7250.00 | 90.10 | 270.2 | 3115.30 | 22.93 | -4513.20 | 0.00    | 4513.25 | 1839721.40 | 11892108.43 | 192.30  |
| 7300.00 | 90.10 | 270.2 | 3115.21 | 23.08 | -4563.20 | 0.00    | 4563.25 | 1839671.40 | 11892108.58 | 192.39  |

## Brainard 12 #7H, Plan 1

|                  |                       |                |               |                                  |                   |
|------------------|-----------------------|----------------|---------------|----------------------------------|-------------------|
| <b>Operator</b>  | Redwood Operating LLC | <b>Units</b>   | feet, °/100ft | 10:03 Wednesday, March 15, 2023  | Page 4 of 5       |
| <b>Field</b>     |                       | <b>County</b>  | Eddy          | <b>Vertical Section Azimuth</b>  | 270.17            |
| <b>Well Name</b> | Brainard 12 #7H       | <b>State</b>   | New Mexico    | <b>Survey Calculation Method</b> | Minimum Curvature |
| <b>Plan</b>      | 1                     | <b>Country</b> | USA           | <b>Database</b>                  | Access            |

|                    |                                                                                            |                     |            |                        |      |
|--------------------|--------------------------------------------------------------------------------------------|---------------------|------------|------------------------|------|
| <b>Location</b>    | SL: 1960 FSL & 2070 FWL Section 12-T18S-R26E<br>BHL: 1980 FSL & 1 FWL Section 11-T18S-R26E | <b>Map Zone</b>     | UTM        | <b>Lat Long Ref</b>    |      |
| <b>Site</b>        |                                                                                            | <b>Surface X</b>    | 1844234.6  | <b>Surface Long</b>    |      |
| <b>Slot Name</b>   |                                                                                            | <b>Surface Y</b>    | 11892085.5 | <b>Surface Lat</b>     |      |
| <b>Well Number</b> | 7H                                                                                         | <b>Surface Z</b>    | 3307.6     | <b>Global Z Ref</b>    | KB   |
| <b>Project</b>     |                                                                                            | <b>Ground Level</b> | 3289.1     | <b>Local North Ref</b> | Grid |
|                    | <b>UWI</b>                                                                                 |                     |            |                        |      |
|                    | <b>API</b>                                                                                 |                     |            |                        |      |
|                    | <b>MD/TVD Ref</b>                                                                          |                     |            |                        |      |

## DIRECTIONAL WELL PLAN

| MD*     | INC*  | AZI*  | TVD*    | N*    | E*       | DLS*    | V. S.*  | MapE*      | MapN*       | SysTVD* |
|---------|-------|-------|---------|-------|----------|---------|---------|------------|-------------|---------|
| ft      | deg   | deg   | ft      | ft    | ft       | °/100ft | ft      | ft         | ft          | ft      |
| 7350.00 | 90.10 | 270.2 | 3115.13 | 23.23 | -4613.20 | 0.00    | 4613.25 | 1839621.40 | 11892108.73 | 192.47  |
| 7400.00 | 90.10 | 270.2 | 3115.04 | 23.38 | -4663.20 | 0.00    | 4663.25 | 1839571.40 | 11892108.88 | 192.56  |
| 7450.00 | 90.10 | 270.2 | 3114.95 | 23.53 | -4713.20 | 0.00    | 4713.25 | 1839521.40 | 11892109.03 | 192.65  |
| 7500.00 | 90.10 | 270.2 | 3114.87 | 23.67 | -4763.20 | 0.00    | 4763.25 | 1839471.40 | 11892109.17 | 192.73  |
| 7550.00 | 90.10 | 270.2 | 3114.78 | 23.82 | -4813.20 | 0.00    | 4813.25 | 1839421.40 | 11892109.32 | 192.82  |
| 7600.00 | 90.10 | 270.2 | 3114.69 | 23.97 | -4863.20 | 0.00    | 4863.25 | 1839371.40 | 11892109.47 | 192.91  |
| 7650.00 | 90.10 | 270.2 | 3114.60 | 24.12 | -4913.20 | 0.00    | 4913.25 | 1839321.40 | 11892109.62 | 193.00  |
| 7700.00 | 90.10 | 270.2 | 3114.52 | 24.27 | -4963.20 | 0.00    | 4963.25 | 1839271.40 | 11892109.77 | 193.08  |
| 7750.00 | 90.10 | 270.2 | 3114.43 | 24.42 | -5013.20 | 0.00    | 5013.25 | 1839221.40 | 11892109.92 | 193.17  |
| 7800.00 | 90.10 | 270.2 | 3114.34 | 24.56 | -5063.20 | 0.00    | 5063.25 | 1839171.40 | 11892110.06 | 193.26  |
| 7850.00 | 90.10 | 270.2 | 3114.25 | 24.71 | -5113.20 | 0.00    | 5113.25 | 1839121.40 | 11892110.21 | 193.35  |
| 7900.00 | 90.10 | 270.2 | 3114.17 | 24.86 | -5163.20 | 0.00    | 5163.25 | 1839071.40 | 11892110.36 | 193.43  |
| 7950.00 | 90.10 | 270.2 | 3114.08 | 25.01 | -5213.20 | 0.00    | 5213.25 | 1839021.40 | 11892110.51 | 193.52  |
| 8000.00 | 90.10 | 270.2 | 3113.99 | 25.16 | -5263.20 | 0.00    | 5263.25 | 1838971.40 | 11892110.66 | 193.61  |
| 8050.00 | 90.10 | 270.2 | 3113.91 | 25.31 | -5313.20 | 0.00    | 5313.25 | 1838921.40 | 11892110.81 | 193.69  |
| 8100.00 | 90.10 | 270.2 | 3113.82 | 25.45 | -5363.20 | 0.00    | 5363.25 | 1838871.40 | 11892110.95 | 193.78  |
| 8150.00 | 90.10 | 270.2 | 3113.73 | 25.60 | -5413.20 | 0.00    | 5413.25 | 1838821.40 | 11892111.10 | 193.87  |
| 8200.00 | 90.10 | 270.2 | 3113.64 | 25.75 | -5463.20 | 0.00    | 5463.25 | 1838771.40 | 11892111.25 | 193.96  |
| 8250.00 | 90.10 | 270.2 | 3113.56 | 25.90 | -5513.20 | 0.00    | 5513.25 | 1838721.40 | 11892111.40 | 194.04  |
| 8300.00 | 90.10 | 270.2 | 3113.47 | 26.05 | -5563.20 | 0.00    | 5563.25 | 1838671.40 | 11892111.55 | 194.13  |
| 8350.00 | 90.10 | 270.2 | 3113.38 | 26.20 | -5613.20 | 0.00    | 5613.25 | 1838621.40 | 11892111.70 | 194.22  |
| 8400.00 | 90.10 | 270.2 | 3113.29 | 26.34 | -5663.20 | 0.00    | 5663.25 | 1838571.40 | 11892111.84 | 194.31  |
| 8450.00 | 90.10 | 270.2 | 3113.21 | 26.49 | -5713.20 | 0.00    | 5713.25 | 1838521.40 | 11892111.99 | 194.39  |
| 8500.00 | 90.10 | 270.2 | 3113.12 | 26.64 | -5763.20 | 0.00    | 5763.25 | 1838471.40 | 11892112.14 | 194.48  |
| 8550.00 | 90.10 | 270.2 | 3113.03 | 26.79 | -5813.20 | 0.00    | 5813.25 | 1838421.40 | 11892112.29 | 194.57  |
| 8600.00 | 90.10 | 270.2 | 3112.95 | 26.94 | -5863.20 | 0.00    | 5863.25 | 1838371.40 | 11892112.44 | 194.65  |
| 8650.00 | 90.10 | 270.2 | 3112.86 | 27.09 | -5913.20 | 0.00    | 5913.25 | 1838321.40 | 11892112.59 | 194.74  |
| 8700.00 | 90.10 | 270.2 | 3112.77 | 27.23 | -5963.20 | 0.00    | 5963.25 | 1838271.40 | 11892112.73 | 194.83  |
| 8750.00 | 90.10 | 270.2 | 3112.68 | 27.38 | -6013.19 | 0.00    | 6013.25 | 1838221.41 | 11892112.88 | 194.92  |
| 8800.00 | 90.10 | 270.2 | 3112.60 | 27.53 | -6063.19 | 0.00    | 6063.25 | 1838171.41 | 11892113.03 | 195.00  |
| 8850.00 | 90.10 | 270.2 | 3112.51 | 27.68 | -6113.19 | 0.00    | 6113.25 | 1838121.41 | 11892113.18 | 195.09  |
| 8900.00 | 90.10 | 270.2 | 3112.42 | 27.83 | -6163.19 | 0.00    | 6163.25 | 1838071.41 | 11892113.33 | 195.18  |
| 8950.00 | 90.10 | 270.2 | 3112.33 | 27.98 | -6213.19 | 0.00    | 6213.25 | 1838021.41 | 11892113.48 | 195.27  |
| 9000.00 | 90.10 | 270.2 | 3112.25 | 28.12 | -6263.19 | 0.00    | 6263.25 | 1837971.41 | 11892113.62 | 195.35  |
| 9050.00 | 90.10 | 270.2 | 3112.16 | 28.27 | -6313.19 | 0.00    | 6313.25 | 1837921.41 | 11892113.77 | 195.44  |
| 9100.00 | 90.10 | 270.2 | 3112.07 | 28.42 | -6363.19 | 0.00    | 6363.25 | 1837871.41 | 11892113.92 | 195.53  |
| 9150.00 | 90.10 | 270.2 | 3111.99 | 28.57 | -6413.19 | 0.00    | 6413.25 | 1837821.41 | 11892114.07 | 195.61  |

## Brainard 12 #7H, Plan 1

|                    |                                                                                            |                   |                 |                                             |                     |
|--------------------|--------------------------------------------------------------------------------------------|-------------------|-----------------|---------------------------------------------|---------------------|
| <b>Operator</b>    | Redwood Operating LLC                                                                      | <b>Units</b>      | feet, °/100ft   | 10:03 Wednesday, March 15, 2023 Page 5 of 5 |                     |
| <b>Field</b>       |                                                                                            | <b>County</b>     | Eddy            | <b>Vertical Section Azimuth</b>             | 270.17              |
| <b>Well Name</b>   | Brainard 12 #7H                                                                            | <b>State</b>      | New Mexico      | <b>Survey Calculation Method</b>            | Minimum Curvature   |
| <b>Plan</b>        | 1                                                                                          | <b>Country</b>    | USA             | <b>Database</b>                             | Access              |
| <b>Location</b>    | SL: 1960 FSL & 2070 FWL Section 12-T18S-R26E<br>BHL: 1980 FSL & 1 FWL Section 11-T18S-R26E |                   | <b>Map Zone</b> | UTM                                         | <b>Lat Long Ref</b> |
| <b>Site</b>        |                                                                                            | <b>Surface X</b>  | 1844234.6       | <b>Surface Long</b>                         |                     |
| <b>Slot Name</b>   |                                                                                            | <b>Surface Y</b>  | 11892085.5      | <b>Surface Lat</b>                          |                     |
| <b>Well Number</b> | 7H                                                                                         | <b>Surface Z</b>  | 3307.6          | <b>Global Z Ref</b>                         | KB                  |
| <b>Project</b>     |                                                                                            | <b>MD/TVD Ref</b> | KB              | <b>Ground Level</b>                         | 3289.1              |
|                    |                                                                                            |                   |                 | <b>Local North Ref</b>                      | Grid                |

## DIRECTIONAL WELL PLAN

| MD*                       | INC*  | AZI*  | TVD*    | N*    | E*       | DLS*    | V. S.*  | MapE*      | MapN*       | SysTVD* |
|---------------------------|-------|-------|---------|-------|----------|---------|---------|------------|-------------|---------|
| ft                        | deg   | deg   | ft      | ft    | ft       | %/100ft | ft      | ft         | ft          | ft      |
| 9200.00                   | 90.10 | 270.2 | 3111.90 | 28.72 | -6463.19 | 0.00    | 6463.25 | 1837771.41 | 11892114.22 | 195.70  |
| 9250.00                   | 90.10 | 270.2 | 3111.81 | 28.87 | -6513.19 | 0.00    | 6513.25 | 1837721.41 | 11892114.37 | 195.79  |
| 9300.00                   | 90.10 | 270.2 | 3111.72 | 29.01 | -6563.19 | 0.00    | 6563.25 | 1837671.41 | 11892114.51 | 195.88  |
| 9350.00                   | 90.10 | 270.2 | 3111.64 | 29.16 | -6613.19 | 0.00    | 6613.25 | 1837621.41 | 11892114.66 | 195.96  |
| 9400.00                   | 90.10 | 270.2 | 3111.55 | 29.31 | -6663.19 | 0.00    | 6663.25 | 1837571.41 | 11892114.81 | 196.05  |
| 9450.00                   | 90.10 | 270.2 | 3111.46 | 29.46 | -6713.19 | 0.00    | 6713.25 | 1837521.41 | 11892114.96 | 196.14  |
| 9500.00                   | 90.10 | 270.2 | 3111.37 | 29.61 | -6763.19 | 0.00    | 6763.25 | 1837471.41 | 11892115.11 | 196.23  |
| 9550.00                   | 90.10 | 270.2 | 3111.29 | 29.76 | -6813.19 | 0.00    | 6813.25 | 1837421.41 | 11892115.26 | 196.31  |
| 9600.00                   | 90.10 | 270.2 | 3111.20 | 29.90 | -6863.19 | 0.00    | 6863.25 | 1837371.41 | 11892115.40 | 196.40  |
| 9650.00                   | 90.10 | 270.2 | 3111.11 | 30.05 | -6913.19 | 0.00    | 6913.25 | 1837321.41 | 11892115.55 | 196.49  |
| 9700.00                   | 90.10 | 270.2 | 3111.03 | 30.20 | -6963.19 | 0.00    | 6963.25 | 1837271.41 | 11892115.70 | 196.57  |
| 9750.00                   | 90.10 | 270.2 | 3110.94 | 30.35 | -7013.19 | 0.00    | 7013.25 | 1837221.41 | 11892115.85 | 196.66  |
| 9800.00                   | 90.10 | 270.2 | 3110.85 | 30.50 | -7063.19 | 0.00    | 7063.25 | 1837171.41 | 11892116.00 | 196.75  |
| 9850.00                   | 90.10 | 270.2 | 3110.76 | 30.65 | -7113.19 | 0.00    | 7113.25 | 1837121.41 | 11892116.15 | 196.84  |
| 9900.00                   | 90.10 | 270.2 | 3110.68 | 30.79 | -7163.19 | 0.00    | 7163.25 | 1837071.41 | 11892116.29 | 196.92  |
| 9950.00                   | 90.10 | 270.2 | 3110.59 | 30.94 | -7213.19 | 0.00    | 7213.25 | 1837021.41 | 11892116.44 | 197.01  |
| 10000.00                  | 90.10 | 270.2 | 3110.50 | 31.09 | -7263.19 | 0.00    | 7263.25 | 1836971.41 | 11892116.59 | 197.10  |
| 10050.00                  | 90.10 | 270.2 | 3110.41 | 31.24 | -7313.19 | 0.00    | 7313.25 | 1836921.41 | 11892116.74 | 197.19  |
| 10100.00                  | 90.10 | 270.2 | 3110.33 | 31.39 | -7363.19 | 0.00    | 7363.25 | 1836871.41 | 11892116.89 | 197.27  |
| *** TD (at MD = 10103.59) |       |       |         |       |          |         |         |            |             |         |
| 10103.59                  | 90.10 | 270.2 | 3110.32 | 31.40 | -7366.77 | 0.00    | 7366.83 | 1836867.83 | 11892116.90 | 197.28  |

**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 197433

CONDITIONS

|                                                                        |                                                      |
|------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>Redwood Operating LLC<br>PO Box 1370<br>Artesia, NM 88210 | OGRID:<br>330211                                     |
|                                                                        | Action Number:<br>197433                             |
|                                                                        | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition                                       | Condition Date |
|------------|-------------------------------------------------|----------------|
| kpickford  | Adhere to previous NMOCD Conditions of Approval | 3/17/2023      |