

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

|                                                                                                                                                                                                                       |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><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.)         |  | WELL API NO.<br>30-015-49273                                                                        |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                        |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>Redwood Operating LLC                                                                                                                                                                          |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>P.O. Box 1370 Artesia, NM 88211-1370                                                                                                                                                        |  | 7. Lease Name or Unit Agreement Name<br>Brainard 11                                                 |
| 4. Well Location<br>Unit Letter <u>D</u> : <u>525</u> feet from the <u>North</u> line and <u>575</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> |  | 8. Well Number<br>5H                                                                                |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3284.4' GR                                                                                                                                                      |  | 9. OGRID Number<br>330211                                                                           |
|                                                                                                                                                                                                                       |  | 10. Pool name or Wildcat<br>Red Lake; Glorieta-Yeso 51120                                           |

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"/> | REMEDIAL WORK <input type="checkbox"/>           |
| TEMPORARILY ABANDON <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | COMMENCE DRILLING OPNS. <input type="checkbox"/> |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    | P AND A <input type="checkbox"/>                 |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    | CASING/CEMENT JOB <input type="checkbox"/>       |
| OTHER: <input type="checkbox"/>                | OTHER: <input 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 the following changes to Brainard 11 #5H APD:

FTP: Unit A Sec. 11 T18S R26E 1300 FNL 100 FEL

LTP: Unit D Sec. 11 T18S R26E 1300 FNL 100 FWL

BHL: Unit D Sec. 11 T18S R26E 1300 FNL 1 FWL

Production- Drill 8 3/4" hole to 9083'. Run 7", 26#, L-80, LT&C to 0-2200'; 7", 26#, L-80, BTC to 2200-3300'; 5 1/2", 17#, L-80 BTC 3300-9083'. Cmt w/ 250sx 50/50 POZ, Tail 1825sx 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 4/11/2023

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

**For State Use Only**

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 5/2/2023

Conditions of Approval (if any): [Signature]

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

**District II**  
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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>30-015-49273 |                                                      | <sup>2</sup> Pool Code<br>51120 | <sup>3</sup> Pool Name<br>Red Lake; Glorieta-Yeso |                                  |
| <sup>4</sup> Property Code<br>329360    | <sup>5</sup> Property Name<br>BRAINARD 11            |                                 |                                                   | <sup>6</sup> Well Number<br>5H   |
| <sup>7</sup> OGRID No.<br>330211        | <sup>8</sup> Operator Name<br>REDWOOD OPERATING, LLC |                                 |                                                   | <sup>9</sup> Elevation<br>3284.4 |

## <sup>10</sup> Surface Location

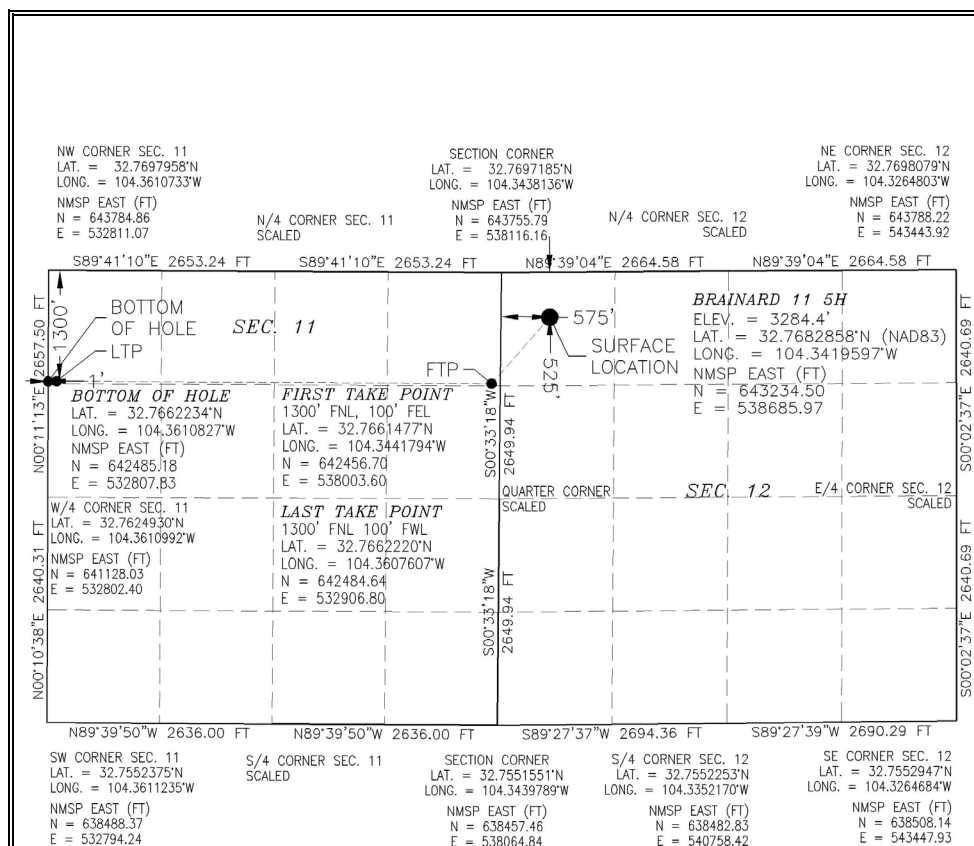
|               |           |             |             |         |               |                  |               |                |             |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
| <b>D</b>      | <b>12</b> | <b>18 S</b> | <b>26 E</b> |         | <b>525</b>    | <b>NORTH</b>     | <b>575</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>D</b>      | <b>11</b> | <b>18 S</b> | <b>26 E</b> |         | <b>1300</b>   | <b>NORTH</b>     | <b>1</b>      | <b>WEST</b>    | <b>EDDY</b> |

|                               |                               |                                  |                         |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
| 320                           |                               |                                  |                         |

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.



## 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Deana Weaver 4/11/23

Deana Weaver

Printed Name \_\_\_\_\_

dweaver@mec.com

---

E-mail Address

## 18 SURVEYOR CERTIFICATION

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

MARCH 13, 2023

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: ~~ELI MONTE JARAMILLO~~ LS 12797  
SURVEY NO. 9232A

Intent ☒ ☒ ☒ As Drilled ☐

|                                          |                               |                   |
|------------------------------------------|-------------------------------|-------------------|
| API #                                    |                               |                   |
| Operator Name:<br>REDWOOD OPERATING, LLC | Property Name:<br>BRAINARD 11 | Well Number<br>5H |

## Kick Off Point (KOP)

| UL                     | Section | Township | Range | Lot | Feet                     | From N/S | Feet | From E/W | County    |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| D                      | 12      | 18S      | 26E   |     | 525                      | NORTH    | 575  | WEST     | EDDY      |
| Latitude<br>32.7682858 |         |          |       |     | Longitude<br>104.3419597 |          |      |          | NAD<br>83 |

## First Take Point (FTP)

| UL                     | Section | Township | Range | Lot | Feet                     | From N/S | Feet | From E/W | County    |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| A                      | 11      | 18S      | 26E   |     | 1300                     | NORTH    | 100  | EAST     | EDDY      |
| Latitude<br>32.7661477 |         |          |       |     | Longitude<br>104.3441794 |          |      |          | NAD<br>83 |

## Last Take Point (LTP)

| UL                     | Section | Township | Range | Lot | Feet                     | From N/S | Feet | From E/W | County    |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| D                      | 11      | 18S      | 26E   |     | 1300                     | NORTH    | 100  | WEST     | EDDY      |
| Latitude<br>32.7662220 |         |          |       |     | Longitude<br>104.3607607 |          |      |          | NAD<br>83 |

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

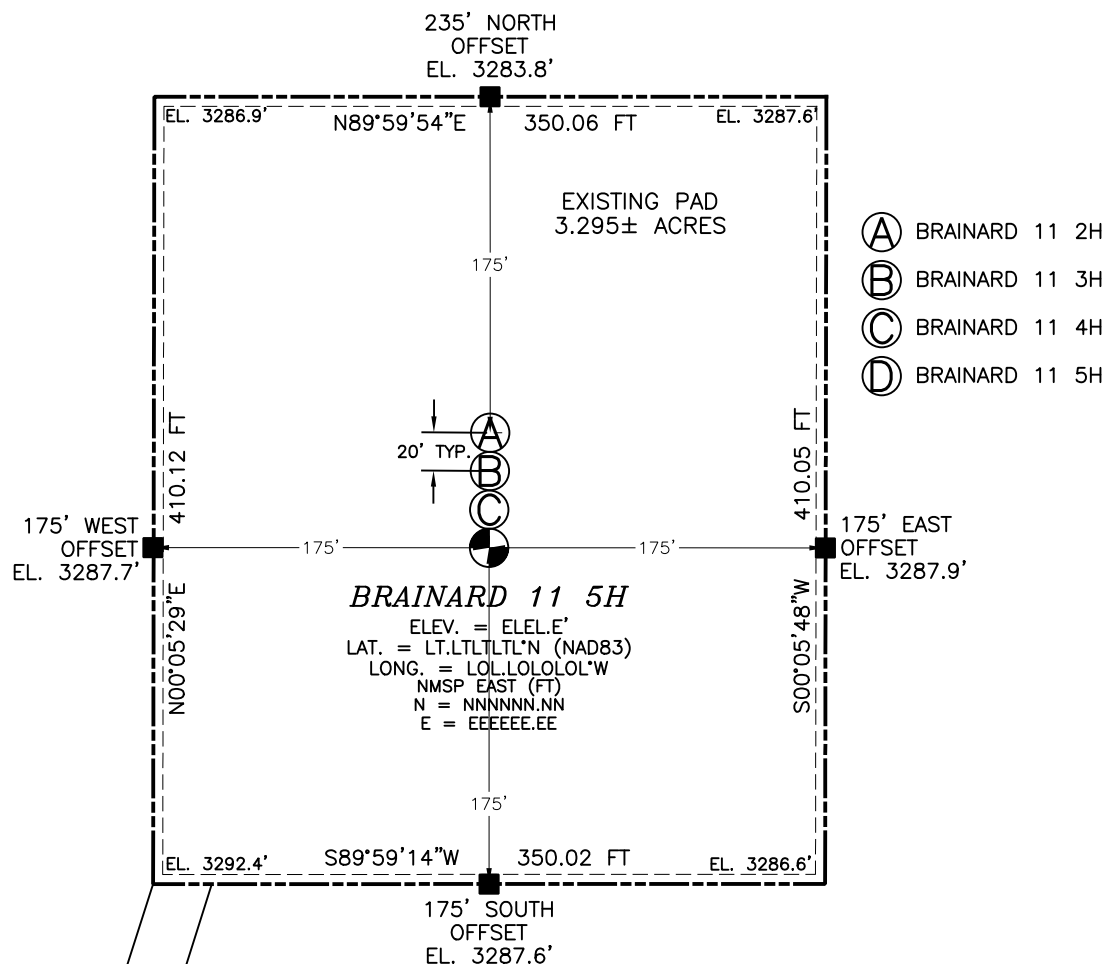
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

|                |                |             |
|----------------|----------------|-------------|
| 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

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.



- Ⓐ BRAINARD 11 2H
- Ⓑ BRAINARD 11 3H
- Ⓒ BRAINARD 11 4H
- Ⓓ BRAINARD 11 5H

**BRAINARD 11 5H**

ELEV. = ELEV.E'  
LAT. = LT.LT.LT.LT.LT.LT.N (NAD83)  
LONG. = LOL.LOLOLOL.W  
NMSP EAST (FT)  
N = NNNNNN.NN  
E = EEEEE.EE

EXISTING 257 L.F.  
ACCESS ROAD

010 50 100 200

SCALE 1" = 100'

## DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 229 (HALDEMAN) AND CR. 46 (AARON) GO EAST ON CR. 46 FOR APPROX. 0.47 OF A MILE TO BEGINNING OF 20' CALICHE LEASE ROAD, CONTINUE EAST ON 20' CALICHE LEASE ROAD FOR APPROX. 0.24 OF A MILE, CONTINUE NORTH ON 15' CALICHE LEASE ROAD FOR APPROX. 0.24 OF A MILE, CONTINUE EAST FOR APPROX. 0.24 OF A MILE, CONTINUE NORTHEAST ON 10' CALICHE LEASE ROAD FOR APPROX. 367' TO SOUTHWEST CORNER OF EXISTING PAD, FROM NORTHEAST PAD GO NORTHEAST APPROX. 257' TO 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 I AM NOT PROVIDING ANY MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILIMON F. JARAMILLO, PLS. 7987

**MADRON SURVEYING, INC.**

301 SOUTH CANAL  
(575) 234-3327

**REDWOOD OPERATING, LLC  
BRAINARD 11 5H**

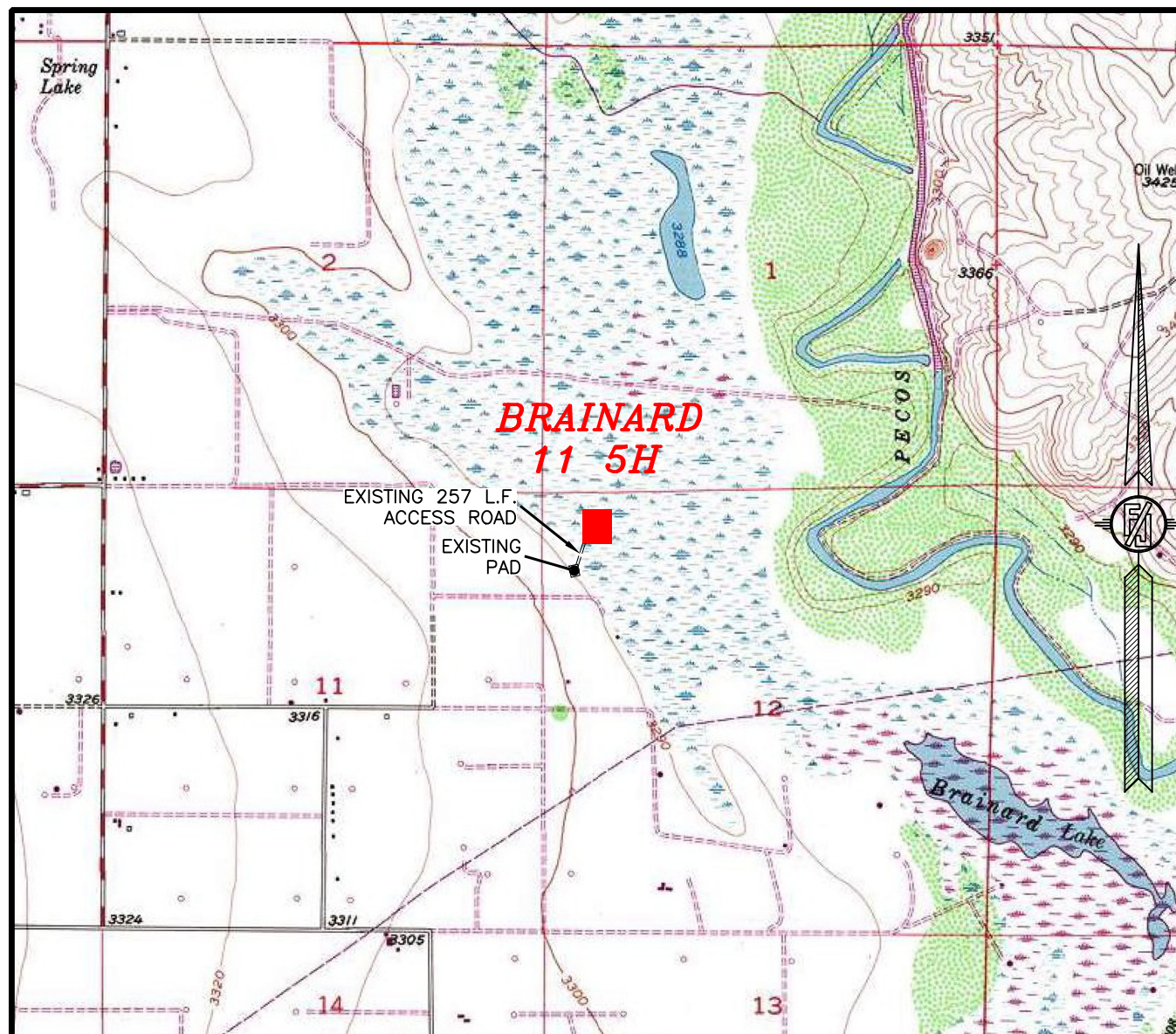
**LOCATED 525 FT. FROM THE NORTH LINE  
AND 575 FT. FROM THE WEST LINE OF  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO**

**MARCH 13, 2023**

**SURVEY NO. 9232A**

**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 11 5H**  
 LOCATED 525 FT. FROM THE NORTH LINE  
 AND 575 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

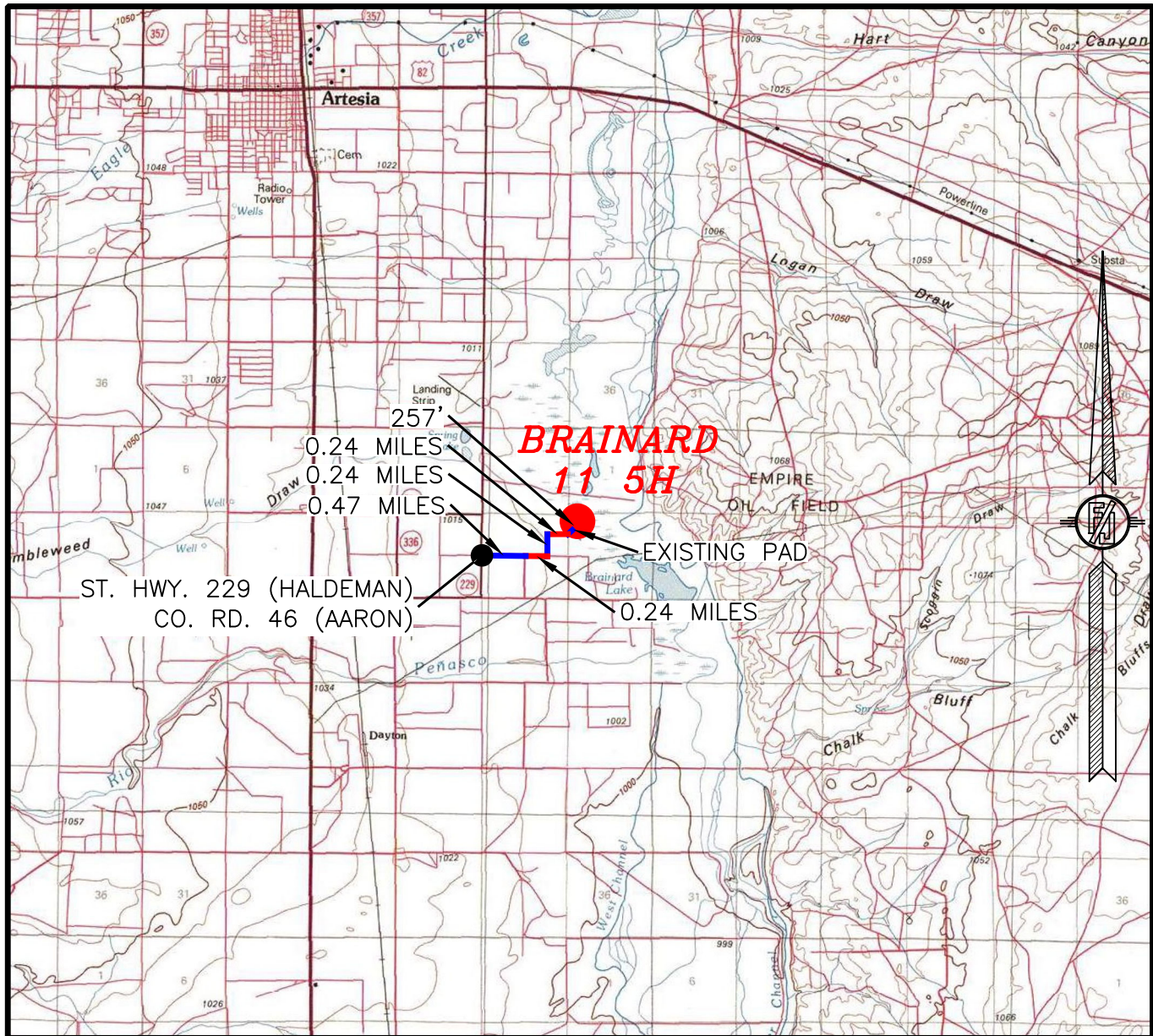
MARCH 13, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3327

SURVEY NO. 9232A  
 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 STATE HIGHWAY 229 (HALDEMAN) AND CR. 46 (AARON) GO EAST ON CR. 46 FOR APPROX. 0.47 OF A MILE TO BEGINNING OF 20' CALICHE LEASE ROAD, CONTINUE EAST ON 20' CALICHE LEASE ROAD FOR APPROX. 0.24 OF A MILE, CONTINUE NORTH ON 15' CALICHE LEASE ROAD FOR APPROX. 0.24 OF A MILE, CONTINUE EAST FOR APPROX. 0.24 OF A MILE, CONTINUE NORTHEAST ON 10' CALICHE LEASE ROAD FOR APPROX. 367' TO SOUTHWEST CORNER OF EXISTING PAD, FROM NORTHEAST PAD GO NORTHEAST APPROX. 257' TO SOUTHWEST PAD CORNER FOR THIS LOCATION.

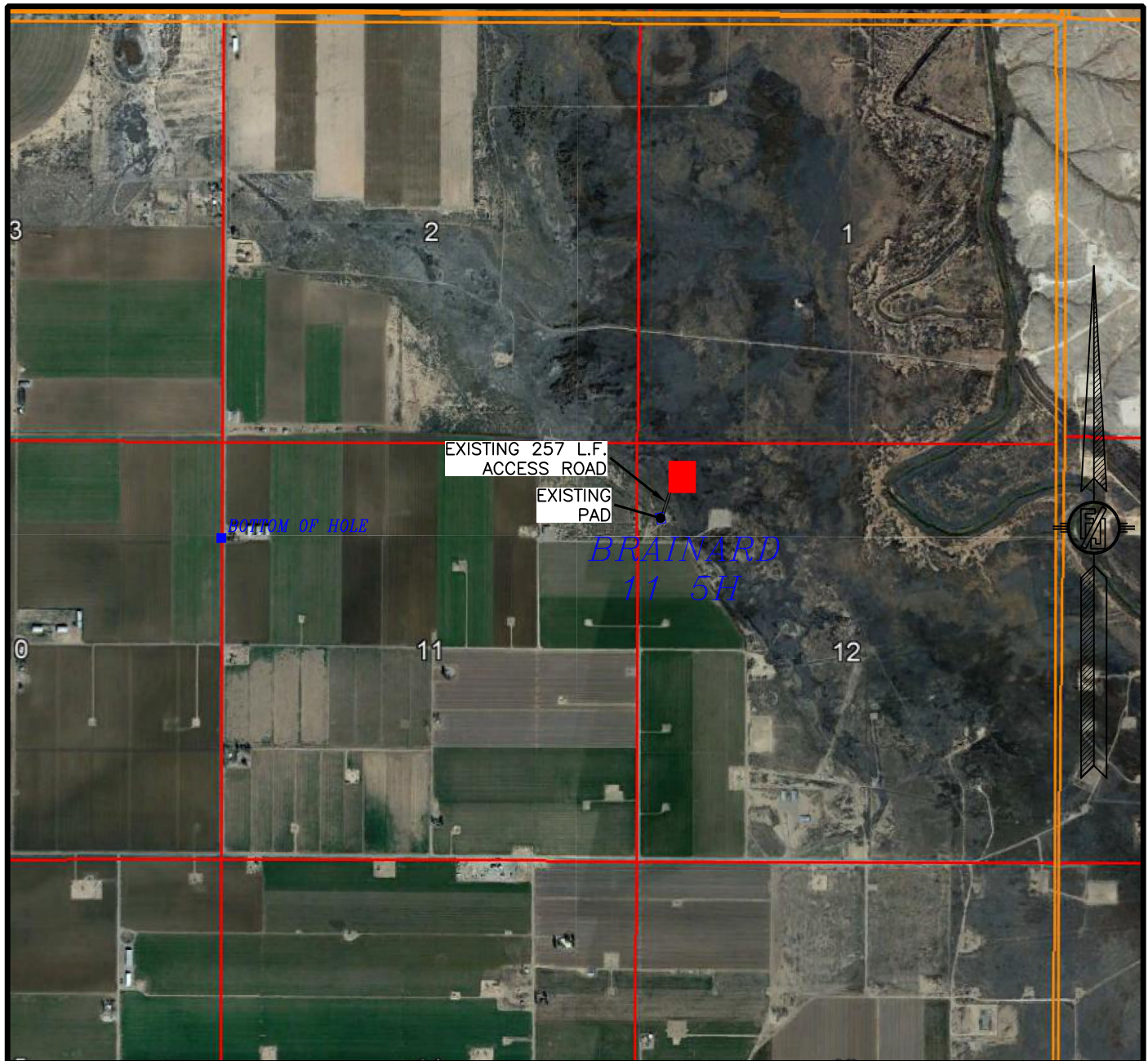
**REDWOOD OPERATING, LLC**  
**BRAINARD 11 5H**  
LOCATED 525 FT. FROM THE NORTH LINE  
AND 575 FT. FROM THE WEST LINE OF  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 13, 2023

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

SURVEY NO. 9232A  
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 11 5H**  
 LOCATED 525 FT. FROM THE NORTH LINE  
 AND 575 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

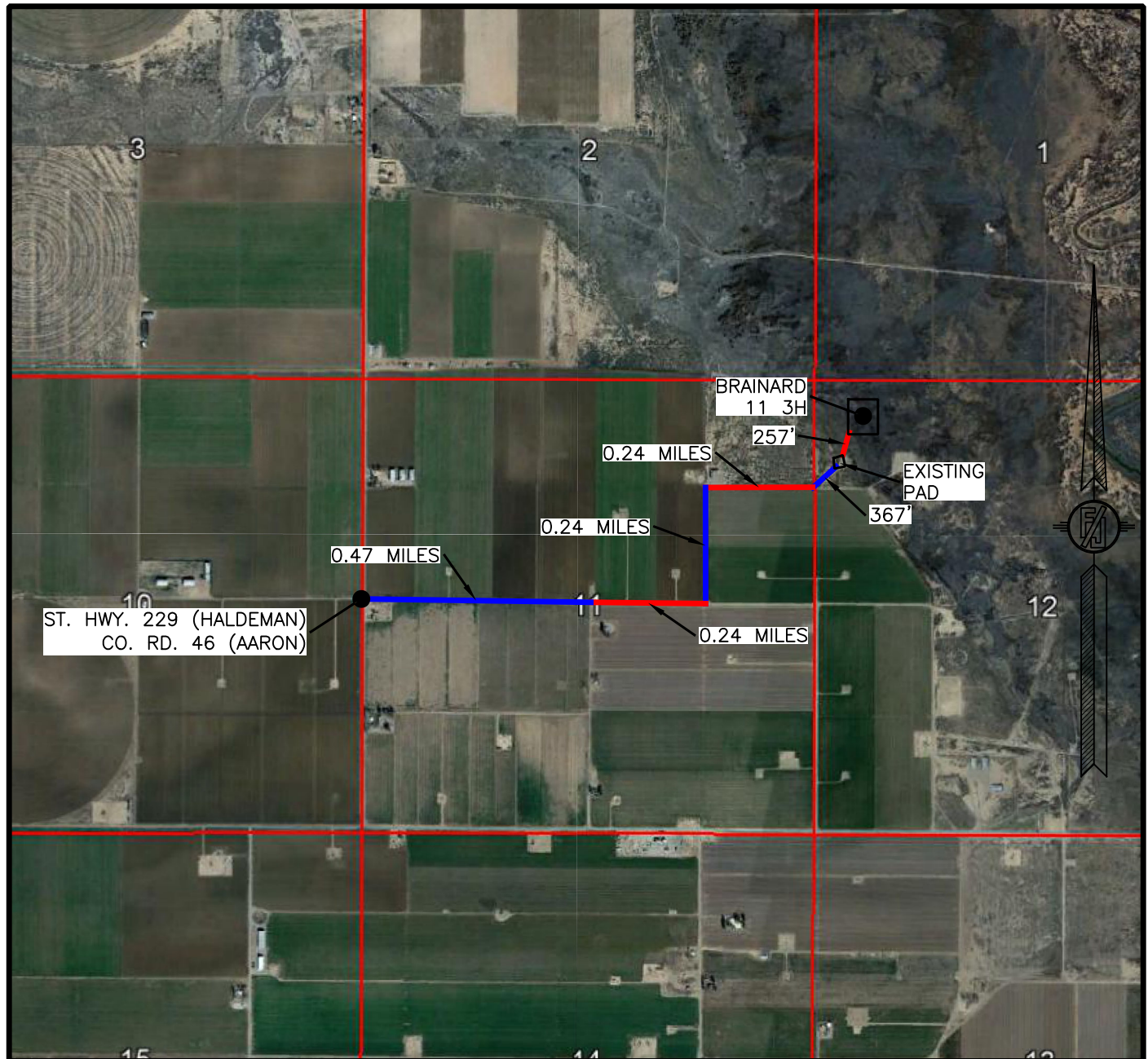
MARCH 13, 2023

SURVEY NO. 9232A

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

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 11 5H  
 LOCATED 525 FT. FROM THE NORTH LINE  
 AND 575 FT. FROM THE WEST LINE OF  
 SECTION 12, TOWNSHIP 18 SOUTH,  
 RANGE 26 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

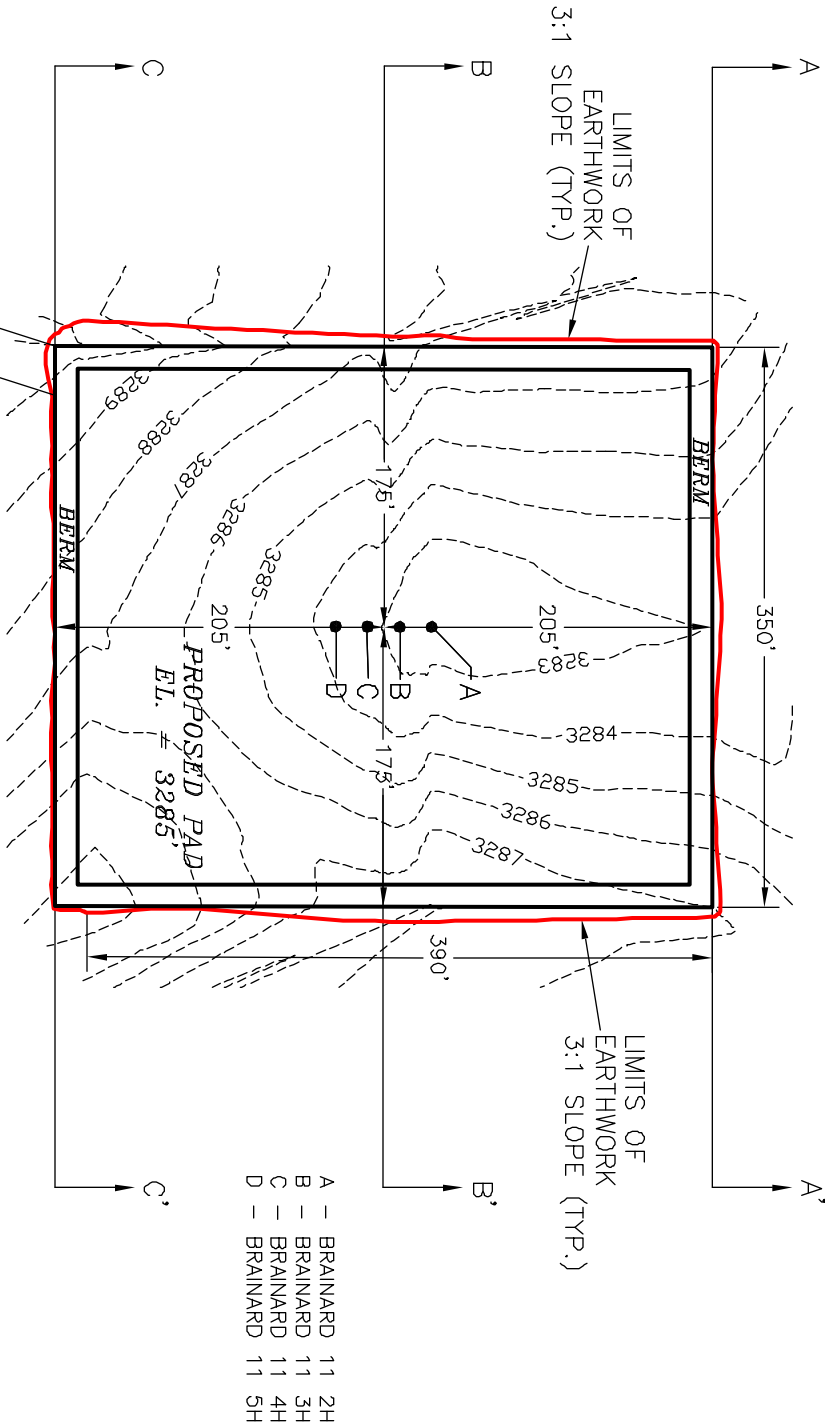
MARCH 13, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3327

SURVEY NO. 9232A  
 CARLSBAD, NEW MEXICO

PLAN VIEW



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

REDWOOD OPERATING, LLC  
PAD GRADING AND CROSS SECTIONS  
FOR BRAINARD 11 5H  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 13, 2023

301 SOUTH CANAL  
(979) 234-3341

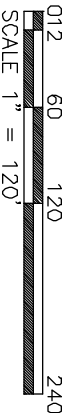
CARLSBAD, NEW MEXICO

SURVEY NO. 9232A

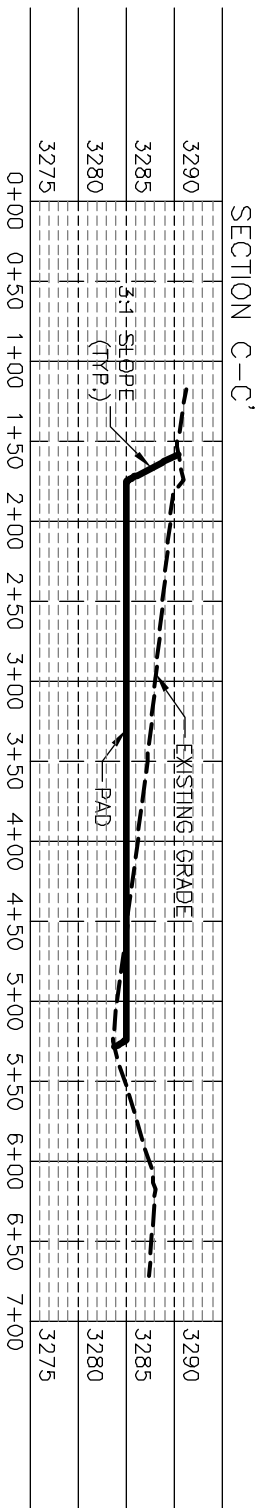
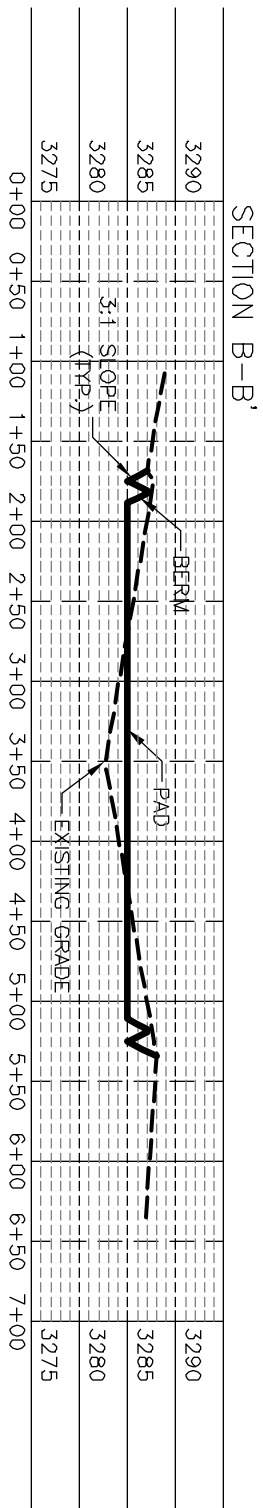
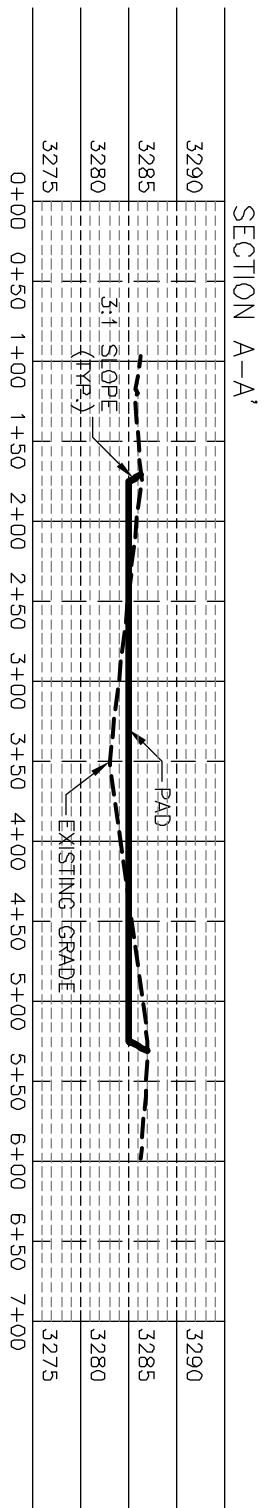
SHEET 1-2

EARTHWORK QUANTITIES ARE ESTIMATED

| CUT         | FILL        | NET               |
|-------------|-------------|-------------------|
| 4797 CU. YD | 2149 CU. YD | 2648 CU. YD (CUT) |



CROSS-SECTIONS



I, FILMON F. JARAYAN, NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFICATE NO. 12297, AM RESPONSIBLE FOR THIS SURVEY, THAT THE SURVEYING AND PLATTING TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE STANDARDS FOR SURVEYING IN NEW MEXICO.

REDWOOD OPERATING, LLC  
PAD GRADING AND CROSS SECTIONS  
FOR BRAINARD 11 5H  
SECTION 12, TOWNSHIP 18 SOUTH,  
RANGE 26 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

| CUT         | FILL        | NET               |
|-------------|-------------|-------------------|
| 4797 CU. YD | 2149 CU. YD | 2648 CU. YD (CUT) |

EARTHWORK QUANTITIES ARE ESTIMATED

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

MARCH 13, 2023  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO  
SHEET 2-2  
SURVEY NO. 9232A

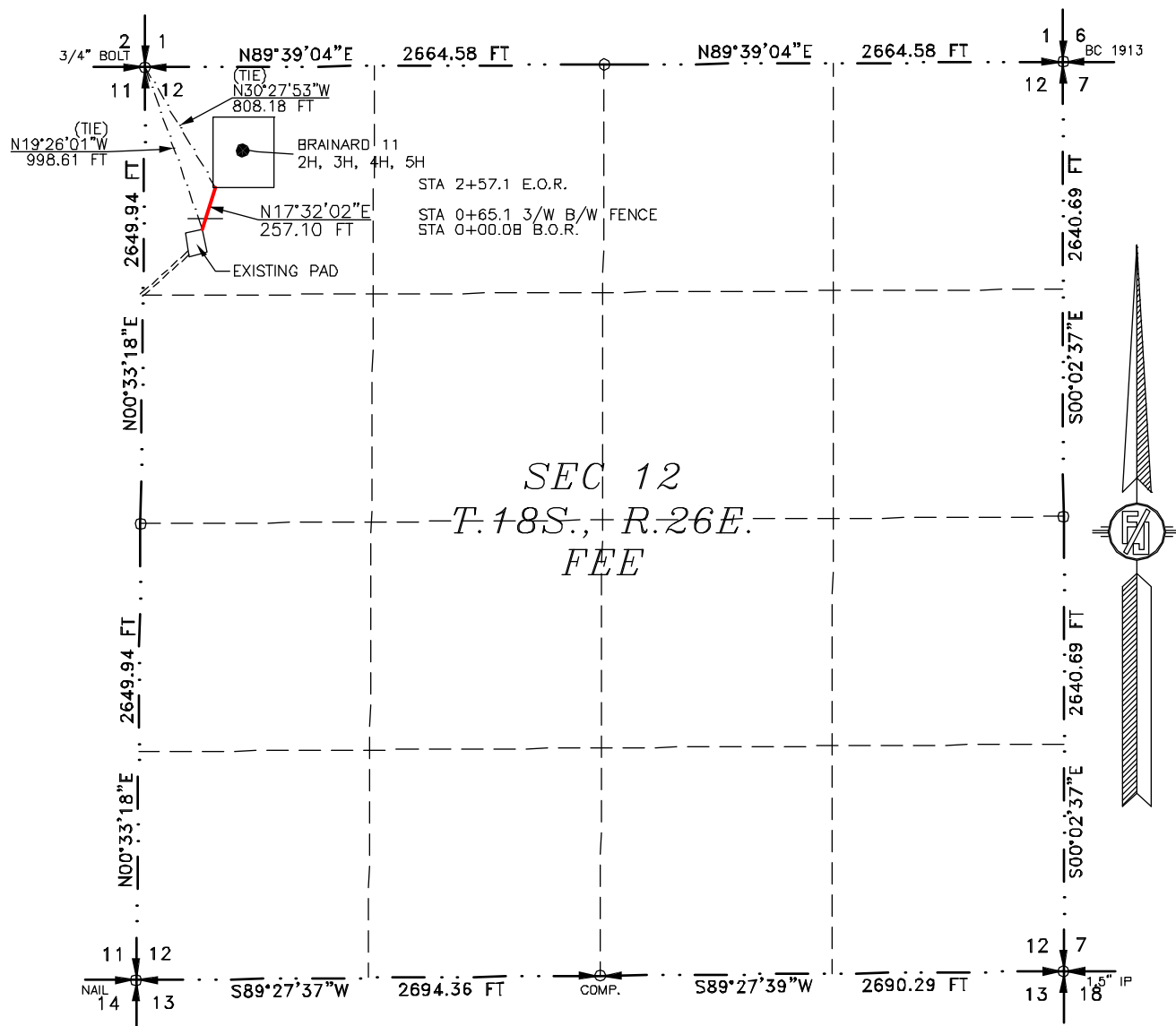
PROFESSIONAL SURVEYING, INC.

**ACCESS ROAD PLAT**

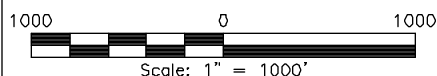
ACCESS ROAD FOR BRAINARD 11 2H, 3H, 4H, 5H

**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 13, 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, 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 13<sup>TH</sup> DAY OF MARCH 2023.

FILIMON F. JARAMILLO  
NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797  
MADRON SURVEYING, INC.  
301 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3341

SURVEY NO. 9232A

**ACCESS ROAD PLAT**

ACCESS ROAD FOR BRAINARD 11 2H, 3H, 4H, 5H

**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 13, 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 NW/4 NW/4 OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS N19°26'01"W, A DISTANCE OF 998.61 FEET;  
THENCE N17°32'02"E A DISTANCE OF 257.10 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS N30°27'53"W, A DISTANCE OF 808.18 FEET;

SAID STRIP OF LAND BEING 257.10 FEET OR 15.58 RODS IN LENGTH, CONTAINING 0.177 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NW/4    257.10 L.F.    15.58 RODS    0.177 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.

**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 13<sup>TH</sup> DAY OF MARCH 2023.

FILIMON F. JARAMILLO  
12797  
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**SURVEY NO. 9232A**

**SHEET: 2-2**

**MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO**

## Brainard 11 #5H, Plan 1

|                                         |                                                                                       |       |         |            |               |           |                                          |            |                   |                 |      |
|-----------------------------------------|---------------------------------------------------------------------------------------|-------|---------|------------|---------------|-----------|------------------------------------------|------------|-------------------|-----------------|------|
| Operator                                | Redwood Operating LLC                                                                 |       |         | Units      | feet, °/100ft |           | 14:02 Monday, March 27, 2023 Page 1 of 4 |            |                   |                 |      |
| Field                                   | Red Lake                                                                              |       |         | County     | Eddy          |           | Vertical Section Azimuth                 |            | 270.31            |                 |      |
| Well Name                               | Brainard 11 #5H                                                                       |       |         | State      | New Mexico    |           | Survey Calculation Method                |            | Minimum Curvature |                 |      |
| Plan                                    | 1                                                                                     |       |         | Country    | USA           |           | Database                                 |            | Access            |                 |      |
| Location                                | SL: 525 FNL & 575 FWL Section 12-T18S-R26E BHL: 1300 FNL & 1 FWL Section 11-T18S-R26E |       |         |            |               | Map Zone  | UTM                                      |            | Lat Long Ref      |                 |      |
| Site                                    |                                                                                       |       |         |            |               | Surface X | 1842709.8                                |            | Surface Long      |                 |      |
| Slot Name                               |                                                                                       |       |         |            |               | Surface Y | 11894883.4                               |            | Surface Lat       |                 |      |
| Well Number                             | 5H                                                                                    |       |         | API        |               |           | Surface Z                                | 3302.4     |                   | Global Z Ref    | KB   |
| Project                                 |                                                                                       |       |         | MD/TVD Ref | KB            |           | Ground Level                             | 3284.4     |                   | 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 = 2210.00)               |                                                                                       |       |         |            |               |           |                                          |            |                   |                 |      |
| 2210.00                                 | 0.00                                                                                  | 0.0   | 2210.00 | 0.00       | 0.00          |           | 0.00                                     | 1842709.80 | 11894883.40       | 1092.40         |      |
| 2250.00                                 | 0.00                                                                                  | 0.0   | 2250.00 | 0.00       | 0.00          | 0.00      | 0.00                                     | 1842709.80 | 11894883.40       | 1052.40         |      |
| 2300.00                                 | 0.00                                                                                  | 0.0   | 2300.00 | 0.00       | 0.00          | 0.00      | 0.00                                     | 1842709.80 | 11894883.40       | 1002.40         |      |
| *** KOP 8 DEGREES (at MD = 2310.00)     |                                                                                       |       |         |            |               |           |                                          |            |                   |                 |      |
| 2310.00                                 | 0.00                                                                                  | 0.0   | 2310.00 | 0.00       | 0.00          | 0.00      | 0.00                                     | 1842709.80 | 11894883.40       | 992.40          |      |
| 2350.00                                 | 3.20                                                                                  | 203.4 | 2349.98 | -1.02      | -0.44         | 8.00      | 0.44                                     | 1842709.36 | 11894882.38       | 952.42          |      |
| 2400.00                                 | 7.20                                                                                  | 203.4 | 2399.76 | -5.18      | -2.24         | 8.00      | 2.21                                     | 1842707.56 | 11894878.22       | 902.64          |      |
| 2450.00                                 | 11.20                                                                                 | 203.4 | 2449.11 | -12.52     | -5.42         | 8.00      | 5.35                                     | 1842704.38 | 11894870.88       | 853.29          |      |
| 2500.00                                 | 15.20                                                                                 | 203.4 | 2497.78 | -22.99     | -9.95         | 8.00      | 9.83                                     | 1842699.85 | 11894860.41       | 804.62          |      |
| 2550.00                                 | 19.20                                                                                 | 203.4 | 2545.53 | -36.56     | -15.82        | 8.00      | 15.62                                    | 1842693.98 | 11894846.84       | 756.87          |      |
| 2600.00                                 | 23.20                                                                                 | 203.4 | 2592.14 | -53.15     | -23.00        | 8.00      | 22.71                                    | 1842686.80 | 11894830.25       | 710.26          |      |
| 2650.00                                 | 27.20                                                                                 | 203.4 | 2637.37 | -72.69     | -31.45        | 8.00      | 31.06                                    | 1842678.35 | 11894810.71       | 665.03          |      |
| 2700.00                                 | 31.20                                                                                 | 203.4 | 2681.01 | -95.07     | -41.14        | 8.00      | 40.62                                    | 1842668.66 | 11894788.33       | 621.39          |      |
| 2750.00                                 | 35.20                                                                                 | 203.4 | 2722.84 | -120.19    | -52.01        | 8.00      | 51.36                                    | 1842657.79 | 11894763.21       | 579.56          |      |
| 2800.00                                 | 39.20                                                                                 | 203.4 | 2762.66 | -147.93    | -64.01        | 8.00      | 63.21                                    | 1842645.79 | 11894735.47       | 539.74          |      |
| 2850.00                                 | 43.20                                                                                 | 203.4 | 2800.27 | -178.15    | -77.09        | 8.00      | 76.13                                    | 1842632.71 | 11894705.25       | 502.13          |      |
| 2900.00                                 | 47.20                                                                                 | 203.4 | 2835.50 | -210.70    | -91.18        | 8.00      | 90.04                                    | 1842618.62 | 11894672.70       | 466.90          |      |
| 2950.00                                 | 51.20                                                                                 | 203.4 | 2868.16 | -245.43    | -106.21       | 8.00      | 104.88                                   | 1842603.59 | 11894637.97       | 434.24          |      |
| *** 55 DEGREE TANGENT (at MD = 2997.50) |                                                                                       |       |         |            |               |           |                                          |            |                   |                 |      |
| 2997.50                                 | 55.00                                                                                 | 203.4 | 2896.67 | -280.29    | -121.29       | 8.00      | 119.77                                   | 1842588.51 | 11894603.11       | 405.73          |      |
| 3000.00                                 | 55.00                                                                                 | 203.4 | 2898.11 | -282.16    | -122.10       | 0.00      | 120.58                                   | 1842587.70 | 11894601.24       | 404.29          |      |
| 3050.00                                 | 55.00                                                                                 | 203.4 | 2926.79 | -319.75    | -138.37       | 0.00      | 136.64                                   | 1842571.43 | 11894563.65       | 375.61          |      |
| 3100.00                                 | 55.00                                                                                 | 203.4 | 2955.47 | -357.34    | -154.64       | 0.00      | 152.70                                   | 1842555.16 | 11894526.06       | 346.93          |      |
| 3150.00                                 | 55.00                                                                                 | 203.4 | 2984.14 | -394.93    | -170.90       | 0.00      | 168.76                                   | 1842538.90 | 11894488.47       | 318.26          |      |
| 3200.00                                 | 55.00                                                                                 | 203.4 | 3012.82 | -432.52    | -187.17       | 0.00      | 184.83                                   | 1842522.63 | 11894450.88       | 289.58          |      |
| *** 10 DEGREE BUILD (at MD = 3247.50)   |                                                                                       |       |         |            |               |           |                                          |            |                   |                 |      |
| 3247.50                                 | 55.00                                                                                 | 203.4 | 3040.07 | -468.23    | -202.62       | 0.00      | 200.09                                   | 1842507.18 | 11894415.17       | 262.33          |      |
| 3250.00                                 | 55.06                                                                                 | 203.7 | 3041.50 | -470.11    | -203.44       | 10.00     | 200.89                                   | 1842506.36 | 11894413.29       | 260.90          |      |
| 3300.00                                 | 56.40                                                                                 | 209.5 | 3069.67 | -507.02    | -221.95       | 10.00     | 219.20                                   | 1842487.85 | 11894376.38       | 232.73          |      |
| 3350.00                                 | 58.01                                                                                 | 215.2 | 3096.77 | -542.49    | -244.44       | 10.00     | 241.50                                   | 1842465.36 | 11894340.91       | 205.63          |      |
| 3400.00                                 | 59.85                                                                                 | 220.6 | 3122.58 | -576.27    | -270.73       | 10.00     | 267.61                                   | 1842439.07 | 11894307.13       | 179.82          |      |
| 3450.00                                 | 61.92                                                                                 | 225.8 | 3146.92 | -608.08    | -300.62       | 10.00     | 297.33                                   | 1842409.18 | 11894275.32       | 155.48          |      |
| 3500.00                                 | 64.17                                                                                 | 230.8 | 3169.60 | -637.70    | -333.90       | 10.00     | 330.44                                   | 1842375.90 | 11894245.70       | 132.80          |      |
| 3550.00                                 | 66.58                                                                                 | 235.6 | 3190.45 | -664.88    | -370.30       | 10.00     | 366.69                                   | 1842339.50 | 11894218.52       | 111.95          |      |
| 3600.00                                 | 69.14                                                                                 | 240.3 | 3209.30 | -689.44    | -409.54       | 10.00     | 405.80                                   | 1842300.26 | 11894193.96       | 93.10           |      |
| 3650.00                                 | 71.82                                                                                 | 244.7 | 3226.01 | -711.17    | -451.33       | 10.00     | 447.48                                   | 1842258.47 | 11894172.23       | 76.39           |      |
| 3700.00                                 | 74.60                                                                                 | 249.1 | 3240.46 | -729.92    | -495.36       | 10.00     | 491.40                                   | 1842214.44 | 11894153.48       | 61.94           |      |

## Brainard 11 #5H, Plan 1

|                                     |                                                                                       |             |             |                   |               |                  |                                          |                   |                     |                        |      |
|-------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------|-------------------|---------------|------------------|------------------------------------------|-------------------|---------------------|------------------------|------|
| <b>Operator</b>                     | Redwood Operating LLC                                                                 |             |             | <b>Units</b>      | feet, °/100ft |                  | 14:02 Monday, March 27, 2023 Page 2 of 4 |                   |                     |                        |      |
| <b>Field</b>                        | Red Lake                                                                              |             |             | <b>County</b>     | Eddy          |                  | <b>Vertical Section Azimuth</b>          | 270.31            |                     |                        |      |
| <b>Well Name</b>                    | Brainard 11 #5H                                                                       |             |             | <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: 525 FNL & 575 FWL Section 12-T18S-R26E BHL: 1300 FNL & 1 FWL Section 11-T18S-R26E |             |             |                   |               | <b>Map Zone</b>  | UTM                                      |                   | <b>Lat Long Ref</b> |                        |      |
| <b>Site</b>                         |                                                                                       |             |             |                   |               | <b>Surface X</b> | 1842709.8                                |                   | <b>Surface Long</b> |                        |      |
| <b>Slot Name</b>                    |                                                                                       |             |             |                   |               | <b>Surface Y</b> | 11894883.4                               |                   | <b>Surface Lat</b>  |                        |      |
| <b>Well Number</b>                  | 5H                                                                                    |             |             | <b>API</b>        |               |                  | <b>Surface Z</b>                         | 3302.4            |                     | <b>Global Z Ref</b>    | KB   |
| <b>Project</b>                      |                                                                                       |             |             | <b>MD/TVD Ref</b> | KB            |                  | <b>Ground Level</b>                      | 3284.4            |                     | <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                     |      |
| 3750.00                             | 77.46                                                                                 | 253.3       | 3252.54     | -745.53           | -541.28       | 10.00            | 537.24                                   | 1842168.52        | 11894137.87         | 49.86                  |      |
| 3800.00                             | 80.38                                                                                 | 257.4       | 3262.15     | -757.91           | -588.74       | 10.00            | 584.64                                   | 1842121.06        | 11894125.49         | 40.25                  |      |
| 3850.00                             | 83.36                                                                                 | 261.5       | 3269.23     | -766.93           | -637.39       | 10.00            | 633.24                                   | 1842072.41        | 11894116.47         | 33.17                  |      |
| 3900.00                             | 86.36                                                                                 | 265.5       | 3273.71     | -772.55           | -686.86       | 10.00            | 682.67                                   | 1842022.94        | 11894110.85         | 28.69                  |      |
| 3950.00                             | 89.39                                                                                 | 269.5       | 3275.56     | -774.72           | -736.76       | 10.00            | 732.56                                   | 1841973.04        | 11894108.68         | 26.84                  |      |
| *** LANDING POINT (at MD = 3960.11) |                                                                                       |             |             |                   |               |                  |                                          |                   |                     |                        |      |
| 3960.11                             | 90.00                                                                                 | 270.3       | 3275.61     | -774.74           | -746.88       | 10.00            | 742.67                                   | 1841962.92        | 11894108.66         | 26.79                  |      |
| 4000.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -774.52           | -786.76       | 0.00             | 782.56                                   | 1841923.04        | 11894108.88         | 26.79                  |      |
| 4050.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -774.25           | -836.76       | 0.00             | 832.56                                   | 1841873.04        | 11894109.15         | 26.79                  |      |
| 4100.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -773.98           | -886.76       | 0.00             | 882.56                                   | 1841823.04        | 11894109.42         | 26.79                  |      |
| 4150.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -773.71           | -936.76       | 0.00             | 932.56                                   | 1841773.04        | 11894109.69         | 26.79                  |      |
| 4200.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -773.44           | -986.76       | 0.00             | 982.56                                   | 1841723.04        | 11894109.96         | 26.79                  |      |
| 4250.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -773.17           | -1036.76      | 0.00             | 1032.56                                  | 1841673.04        | 11894110.23         | 26.79                  |      |
| 4300.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -772.90           | -1086.76      | 0.00             | 1082.56                                  | 1841623.04        | 11894110.50         | 26.79                  |      |
| 4350.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -772.63           | -1136.76      | 0.00             | 1132.56                                  | 1841573.04        | 11894110.77         | 26.79                  |      |
| 4400.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -772.36           | -1186.76      | 0.00             | 1182.56                                  | 1841523.04        | 11894111.04         | 26.79                  |      |
| 4450.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -772.09           | -1236.75      | 0.00             | 1232.56                                  | 1841473.05        | 11894111.31         | 26.79                  |      |
| 4500.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -771.81           | -1286.75      | 0.00             | 1282.56                                  | 1841423.05        | 11894111.59         | 26.79                  |      |
| 4550.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -771.54           | -1336.75      | 0.00             | 1332.56                                  | 1841373.05        | 11894111.86         | 26.79                  |      |
| 4600.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -771.27           | -1386.75      | 0.00             | 1382.56                                  | 1841323.05        | 11894112.13         | 26.79                  |      |
| 4650.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -771.00           | -1436.75      | 0.00             | 1432.56                                  | 1841273.05        | 11894112.40         | 26.79                  |      |
| 4700.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -770.73           | -1486.75      | 0.00             | 1482.56                                  | 1841223.05        | 11894112.67         | 26.79                  |      |
| 4750.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -770.46           | -1536.75      | 0.00             | 1532.56                                  | 1841173.05        | 11894112.94         | 26.79                  |      |
| 4800.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -770.19           | -1586.75      | 0.00             | 1582.56                                  | 1841123.05        | 11894113.21         | 26.79                  |      |
| 4850.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -769.92           | -1636.75      | 0.00             | 1632.56                                  | 1841073.05        | 11894113.48         | 26.79                  |      |
| 4900.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -769.65           | -1686.75      | 0.00             | 1682.56                                  | 1841023.05        | 11894113.75         | 26.79                  |      |
| 4950.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -769.38           | -1736.75      | 0.00             | 1732.56                                  | 1840973.05        | 11894114.02         | 26.79                  |      |
| 5000.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -769.11           | -1786.75      | 0.00             | 1782.56                                  | 1840923.05        | 11894114.29         | 26.79                  |      |
| 5050.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -768.84           | -1836.75      | 0.00             | 1832.56                                  | 1840873.05        | 11894114.56         | 26.79                  |      |
| 5100.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -768.57           | -1886.75      | 0.00             | 1882.56                                  | 1840823.05        | 11894114.83         | 26.79                  |      |
| 5150.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -768.30           | -1936.74      | 0.00             | 1932.56                                  | 1840773.06        | 11894115.10         | 26.79                  |      |
| 5200.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -768.03           | -1986.74      | 0.00             | 1982.56                                  | 1840723.06        | 11894115.37         | 26.79                  |      |
| 5250.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -767.76           | -2036.74      | 0.00             | 2032.56                                  | 1840673.06        | 11894115.64         | 26.79                  |      |
| 5300.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -767.49           | -2086.74      | 0.00             | 2082.56                                  | 1840623.06        | 11894115.91         | 26.79                  |      |
| 5350.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -767.22           | -2136.74      | 0.00             | 2132.56                                  | 1840573.06        | 11894116.18         | 26.79                  |      |
| 5400.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -766.95           | -2186.74      | 0.00             | 2182.56                                  | 1840523.06        | 11894116.45         | 26.79                  |      |
| 5450.00                             | 90.00                                                                                 | 270.3       | 3275.61     | -766.67           | -2236.74      | 0.00             | 2232.56                                  | 1840473.06        | 11894116.73         | 26.79                  |      |

## Brainard 11 #5H, Plan 1

|                    |                                                                                          |                   |               |                                  |                             |
|--------------------|------------------------------------------------------------------------------------------|-------------------|---------------|----------------------------------|-----------------------------|
| <b>Operator</b>    | Redwood Operating LLC                                                                    | <b>Units</b>      | feet, °/100ft | 14:02 Monday, March 27, 2023     | Page 3 of 4                 |
| <b>Field</b>       | Red Lake                                                                                 | <b>County</b>     | Eddy          | <b>Vertical Section Azimuth</b>  | 270.31                      |
| <b>Well Name</b>   | Brainard 11 #5H                                                                          | <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: 525 FNL & 575 FWL Section 12-T18S-R26E BHL:<br>1300 FNL & 1 FWL Section 11-T18S-R26E |                   |               | <b>Map Zone</b>                  | UTM                         |
| <b>Site</b>        |                                                                                          |                   |               | <b>Surface X</b>                 | 1842709.8                   |
| <b>Slot Name</b>   |                                                                                          |                   |               | <b>Surface Y</b>                 | 11894883.4                  |
| <b>Well Number</b> | 5H                                                                                       | <b>UWI</b>        |               | <b>Surface Z</b>                 | 3302.4                      |
| <b>Project</b>     |                                                                                          | <b>API</b>        |               | <b>Ground Level</b>              | 3284.4                      |
|                    |                                                                                          | <b>MD/TVD Ref</b> | KB            |                                  | <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 | 90.00 | 270.3 | 3275.61 | -766.40 | -2286.74 | 0.00    | 2282.56 | 1840423.06 | 11894117.00 | 26.79   |
| 5550.00 | 90.00 | 270.3 | 3275.61 | -766.13 | -2336.74 | 0.00    | 2332.56 | 1840373.06 | 11894117.27 | 26.79   |
| 5600.00 | 90.00 | 270.3 | 3275.61 | -765.86 | -2386.74 | 0.00    | 2382.56 | 1840323.06 | 11894117.54 | 26.79   |
| 5650.00 | 90.00 | 270.3 | 3275.61 | -765.59 | -2436.74 | 0.00    | 2432.56 | 1840273.06 | 11894117.81 | 26.79   |
| 5700.00 | 90.00 | 270.3 | 3275.61 | -765.32 | -2486.74 | 0.00    | 2482.56 | 1840223.06 | 11894118.08 | 26.79   |
| 5750.00 | 90.00 | 270.3 | 3275.61 | -765.05 | -2536.74 | 0.00    | 2532.56 | 1840173.06 | 11894118.35 | 26.79   |
| 5800.00 | 90.00 | 270.3 | 3275.61 | -764.78 | -2586.73 | 0.00    | 2582.56 | 1840123.07 | 11894118.62 | 26.79   |
| 5850.00 | 90.00 | 270.3 | 3275.61 | -764.51 | -2636.73 | 0.00    | 2632.56 | 1840073.07 | 11894118.89 | 26.79   |
| 5900.00 | 90.00 | 270.3 | 3275.61 | -764.24 | -2686.73 | 0.00    | 2682.56 | 1840023.07 | 11894119.16 | 26.79   |
| 5950.00 | 90.00 | 270.3 | 3275.61 | -763.97 | -2736.73 | 0.00    | 2732.56 | 1839973.07 | 11894119.43 | 26.79   |
| 6000.00 | 90.00 | 270.3 | 3275.61 | -763.70 | -2786.73 | 0.00    | 2782.56 | 1839923.07 | 11894119.70 | 26.79   |
| 6050.00 | 90.00 | 270.3 | 3275.61 | -763.43 | -2836.73 | 0.00    | 2832.56 | 1839873.07 | 11894119.97 | 26.79   |
| 6100.00 | 90.00 | 270.3 | 3275.61 | -763.16 | -2886.73 | 0.00    | 2882.56 | 1839823.07 | 11894120.24 | 26.79   |
| 6150.00 | 90.00 | 270.3 | 3275.61 | -762.89 | -2936.73 | 0.00    | 2932.56 | 1839773.07 | 11894120.51 | 26.79   |
| 6200.00 | 90.00 | 270.3 | 3275.61 | -762.62 | -2986.73 | 0.00    | 2982.56 | 1839723.07 | 11894120.78 | 26.79   |
| 6250.00 | 90.00 | 270.3 | 3275.61 | -762.35 | -3036.73 | 0.00    | 3032.56 | 1839673.07 | 11894121.05 | 26.79   |
| 6300.00 | 90.00 | 270.3 | 3275.61 | -762.08 | -3086.73 | 0.00    | 3082.56 | 1839623.07 | 11894121.32 | 26.79   |
| 6350.00 | 90.00 | 270.3 | 3275.61 | -761.81 | -3136.73 | 0.00    | 3132.56 | 1839573.07 | 11894121.59 | 26.79   |
| 6400.00 | 90.00 | 270.3 | 3275.61 | -761.54 | -3186.73 | 0.00    | 3182.56 | 1839523.07 | 11894121.87 | 26.79   |
| 6450.00 | 90.00 | 270.3 | 3275.61 | -761.26 | -3236.73 | 0.00    | 3232.56 | 1839473.07 | 11894122.14 | 26.79   |
| 6500.00 | 90.00 | 270.3 | 3275.61 | -760.99 | -3286.72 | 0.00    | 3282.56 | 1839423.08 | 11894122.41 | 26.79   |
| 6550.00 | 90.00 | 270.3 | 3275.61 | -760.72 | -3336.72 | 0.00    | 3332.56 | 1839373.08 | 11894122.68 | 26.79   |
| 6600.00 | 90.00 | 270.3 | 3275.61 | -760.45 | -3386.72 | 0.00    | 3382.56 | 1839323.08 | 11894122.95 | 26.79   |
| 6650.00 | 90.00 | 270.3 | 3275.61 | -760.18 | -3436.72 | 0.00    | 3432.56 | 1839273.08 | 11894123.22 | 26.79   |
| 6700.00 | 90.00 | 270.3 | 3275.61 | -759.91 | -3486.72 | 0.00    | 3482.56 | 1839223.08 | 11894123.49 | 26.79   |
| 6750.00 | 90.00 | 270.3 | 3275.61 | -759.64 | -3536.72 | 0.00    | 3532.56 | 1839173.08 | 11894123.76 | 26.79   |
| 6800.00 | 90.00 | 270.3 | 3275.61 | -759.37 | -3586.72 | 0.00    | 3582.56 | 1839123.08 | 11894124.03 | 26.79   |
| 6850.00 | 90.00 | 270.3 | 3275.61 | -759.10 | -3636.72 | 0.00    | 3632.56 | 1839073.08 | 11894124.30 | 26.79   |
| 6900.00 | 90.00 | 270.3 | 3275.61 | -758.83 | -3686.72 | 0.00    | 3682.56 | 1839023.08 | 11894124.57 | 26.79   |
| 6950.00 | 90.00 | 270.3 | 3275.61 | -758.56 | -3736.72 | 0.00    | 3732.56 | 1838973.08 | 11894124.84 | 26.79   |
| 7000.00 | 90.00 | 270.3 | 3275.61 | -758.29 | -3786.72 | 0.00    | 3782.56 | 1838923.08 | 11894125.11 | 26.79   |
| 7050.00 | 90.00 | 270.3 | 3275.61 | -758.02 | -3836.72 | 0.00    | 3832.56 | 1838873.08 | 11894125.38 | 26.79   |
| 7100.00 | 90.00 | 270.3 | 3275.61 | -757.75 | -3886.72 | 0.00    | 3882.56 | 1838823.08 | 11894125.65 | 26.79   |
| 7150.00 | 90.00 | 270.3 | 3275.61 | -757.48 | -3936.72 | 0.00    | 3932.56 | 1838773.08 | 11894125.92 | 26.79   |
| 7200.00 | 90.00 | 270.3 | 3275.61 | -757.21 | -3986.71 | 0.00    | 3982.56 | 1838723.09 | 11894126.19 | 26.79   |
| 7250.00 | 90.00 | 270.3 | 3275.61 | -756.94 | -4036.71 | 0.00    | 4032.56 | 1838673.09 | 11894126.46 | 26.79   |
| 7300.00 | 90.00 | 270.3 | 3275.61 | -756.67 | -4086.71 | 0.00    | 4082.56 | 1838623.09 | 11894126.73 | 26.79   |

## Brainard 11 #5H, Plan 1

|                  |                       |                |               |                                  |                   |
|------------------|-----------------------|----------------|---------------|----------------------------------|-------------------|
| <b>Operator</b>  | Redwood Operating LLC | <b>Units</b>   | feet, °/100ft | 14:02 Monday, March 27, 2023     | Page 4 of 4       |
| <b>Field</b>     | Red Lake              | <b>County</b>  | Eddy          | <b>Vertical Section Azimuth</b>  | 270.31            |
| <b>Well Name</b> | Brainard 11 #5H       | <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: 525 FNL & 575 FWL Section 12-T18S-R26E BHL:<br>1300 FNL & 1 FWL Section 11-T18S-R26E | <b>Map Zone</b>     | UTM        | <b>Lat Long Ref</b>    |      |
| <b>Site</b>        |                                                                                          | <b>Surface X</b>    | 1842709.8  | <b>Surface Long</b>    |      |
| <b>Slot Name</b>   |                                                                                          | <b>Surface Y</b>    | 11894883.4 | <b>Surface Lat</b>     |      |
| <b>Well Number</b> | 5H                                                                                       | <b>Surface Z</b>    | 3302.4     | <b>Global Z Ref</b>    | KB   |
| <b>Project</b>     |                                                                                          | <b>Ground Level</b> | 3284.4     | <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      |
| 7350.00                  | 90.00 | 270.3 | 3275.61 | -756.40 | -4136.71 | 0.00    | 4132.56 | 1838573.09 | 11894127.01 | 26.79   |
| 7400.00                  | 90.00 | 270.3 | 3275.61 | -756.12 | -4186.71 | 0.00    | 4182.56 | 1838523.09 | 11894127.28 | 26.79   |
| 7450.00                  | 90.00 | 270.3 | 3275.61 | -755.85 | -4236.71 | 0.00    | 4232.56 | 1838473.09 | 11894127.55 | 26.79   |
| 7500.00                  | 90.00 | 270.3 | 3275.61 | -755.58 | -4286.71 | 0.00    | 4282.56 | 1838423.09 | 11894127.82 | 26.79   |
| 7550.00                  | 90.00 | 270.3 | 3275.61 | -755.31 | -4336.71 | 0.00    | 4332.56 | 1838373.09 | 11894128.09 | 26.79   |
| 7600.00                  | 90.00 | 270.3 | 3275.61 | -755.04 | -4386.71 | 0.00    | 4382.56 | 1838323.09 | 11894128.36 | 26.79   |
| 7650.00                  | 90.00 | 270.3 | 3275.61 | -754.77 | -4436.71 | 0.00    | 4432.56 | 1838273.09 | 11894128.63 | 26.79   |
| 7700.00                  | 90.00 | 270.3 | 3275.61 | -754.50 | -4486.71 | 0.00    | 4482.56 | 1838223.09 | 11894128.90 | 26.79   |
| 7750.00                  | 90.00 | 270.3 | 3275.61 | -754.23 | -4536.71 | 0.00    | 4532.56 | 1838173.09 | 11894129.17 | 26.79   |
| 7800.00                  | 90.00 | 270.3 | 3275.61 | -753.96 | -4586.71 | 0.00    | 4582.56 | 1838123.09 | 11894129.44 | 26.79   |
| 7850.00                  | 90.00 | 270.3 | 3275.61 | -753.69 | -4636.70 | 0.00    | 4632.56 | 1838073.10 | 11894129.71 | 26.79   |
| 7900.00                  | 90.00 | 270.3 | 3275.61 | -753.42 | -4686.70 | 0.00    | 4682.56 | 1838023.10 | 11894129.98 | 26.79   |
| 7950.00                  | 90.00 | 270.3 | 3275.61 | -753.15 | -4736.70 | 0.00    | 4732.56 | 1837973.10 | 11894130.25 | 26.79   |
| 8000.00                  | 90.00 | 270.3 | 3275.61 | -752.88 | -4786.70 | 0.00    | 4782.56 | 1837923.10 | 11894130.52 | 26.79   |
| 8050.00                  | 90.00 | 270.3 | 3275.61 | -752.61 | -4836.70 | 0.00    | 4832.56 | 1837873.10 | 11894130.79 | 26.79   |
| 8100.00                  | 90.00 | 270.3 | 3275.61 | -752.34 | -4886.70 | 0.00    | 4882.56 | 1837823.10 | 11894131.06 | 26.79   |
| 8150.00                  | 90.00 | 270.3 | 3275.61 | -752.07 | -4936.70 | 0.00    | 4932.56 | 1837773.10 | 11894131.33 | 26.79   |
| 8200.00                  | 90.00 | 270.3 | 3275.61 | -751.80 | -4986.70 | 0.00    | 4982.56 | 1837723.10 | 11894131.60 | 26.79   |
| 8250.00                  | 90.00 | 270.3 | 3275.61 | -751.53 | -5036.70 | 0.00    | 5032.56 | 1837673.10 | 11894131.87 | 26.79   |
| 8300.00                  | 90.00 | 270.3 | 3275.61 | -751.26 | -5086.70 | 0.00    | 5082.56 | 1837623.10 | 11894132.15 | 26.79   |
| 8350.00                  | 90.00 | 270.3 | 3275.61 | -750.98 | -5136.70 | 0.00    | 5132.56 | 1837573.10 | 11894132.42 | 26.79   |
| 8400.00                  | 90.00 | 270.3 | 3275.61 | -750.71 | -5186.70 | 0.00    | 5182.56 | 1837523.10 | 11894132.69 | 26.79   |
| 8450.00                  | 90.00 | 270.3 | 3275.61 | -750.44 | -5236.70 | 0.00    | 5232.56 | 1837473.10 | 11894132.96 | 26.79   |
| 8500.00                  | 90.00 | 270.3 | 3275.61 | -750.17 | -5286.70 | 0.00    | 5282.56 | 1837423.10 | 11894133.23 | 26.79   |
| 8550.00                  | 90.00 | 270.3 | 3275.61 | -749.90 | -5336.69 | 0.00    | 5332.56 | 1837373.11 | 11894133.50 | 26.79   |
| 8600.00                  | 90.00 | 270.3 | 3275.61 | -749.63 | -5386.69 | 0.00    | 5382.56 | 1837323.11 | 11894133.77 | 26.79   |
| 8650.00                  | 90.00 | 270.3 | 3275.61 | -749.36 | -5436.69 | 0.00    | 5432.56 | 1837273.11 | 11894134.04 | 26.79   |
| 8700.00                  | 90.00 | 270.3 | 3275.61 | -749.09 | -5486.69 | 0.00    | 5482.56 | 1837223.11 | 11894134.31 | 26.79   |
| 8750.00                  | 90.00 | 270.3 | 3275.61 | -748.82 | -5536.69 | 0.00    | 5532.56 | 1837173.11 | 11894134.58 | 26.79   |
| 8800.00                  | 90.00 | 270.3 | 3275.61 | -748.55 | -5586.69 | 0.00    | 5582.56 | 1837123.11 | 11894134.85 | 26.79   |
| 8850.00                  | 90.00 | 270.3 | 3275.61 | -748.28 | -5636.69 | 0.00    | 5632.56 | 1837073.11 | 11894135.12 | 26.79   |
| 8900.00                  | 90.00 | 270.3 | 3275.61 | -748.01 | -5686.69 | 0.00    | 5682.56 | 1837023.11 | 11894135.39 | 26.79   |
| 8950.00                  | 90.00 | 270.3 | 3275.61 | -747.74 | -5736.69 | 0.00    | 5732.56 | 1836973.11 | 11894135.66 | 26.79   |
| 9000.00                  | 90.00 | 270.3 | 3275.61 | -747.47 | -5786.69 | 0.00    | 5782.56 | 1836923.11 | 11894135.93 | 26.79   |
| 9050.00                  | 90.00 | 270.3 | 3275.61 | -747.20 | -5836.69 | 0.00    | 5832.56 | 1836873.11 | 11894136.20 | 26.79   |
| *** TD (at MD = 9082.11) |       |       |         |         |          |         |         |            |             |         |
| 9082.11                  | 90.00 | 270.3 | 3275.61 | -747.02 | -5868.80 | 0.00    | 5864.67 | 1836841.00 | 11894136.38 | 26.79   |

**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 201168

CONDITIONS

|                                                                        |                                                      |
|------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>Redwood Operating LLC<br>PO Box 1370<br>Artesia, NM 88210 | OGRID:<br>330211                                     |
|                                                                        | Action Number:<br>201168                             |
|                                                                        | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By    | Condition                                            | Condition Date |
|---------------|------------------------------------------------------|----------------|
| john.harrison | Please adhere to all previous conditions of approval | 5/2/2023       |