<u>District I</u> 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

Signature: Printed Name:

Email Address:

Title:

Date:

Electronically filed by Jerry Sherrell

Phone: 575-748-1288

Regulatory Supervisor

jerrys@mec.com

8/12/2021

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**

Form C-101 August 1, 2011

Permit 299442

1. Operator Name and Address	County Eddy  County Eddy
Artesia, NM 882111370   30-015-48887   4. Property Code   329360   5. Property Name   BRAINARD 11   6. Well No.   002H	County Eddy County
4. Property Code   329360   5. Property Name   BRAINARD 11   6. Well No.   002H	County Eddy County
Township   Range   Lot Idn   Feet From   N/S Line   Feet From   E/W Line	Eddy
Township   Range   Lot Idn   D   Feet From   N/S Line   Feet From   E/W Line   Section   D   Section   Township   18S   Range   26E   D   465   N   575   W   S. Proposed Bottom Hole Location	Eddy
UL - Lot	Eddy
D   12   18S   26E   D   465   N   575   W	Eddy
Section	County
UL - Lot   D   Section   11   Township   18S   26E   Lot Idn   D   Feet From   330   N/S Line   Feet From   W	
D         11         18S         26E         D         330         N         1         W           9. Pool Information           RED LAKE;GLORIETA-YESO         Additional Well Information           11. Work Type New Well         12. Well Type OllL         13. Cable/Rotary         14. Lease Type Private         15. Ground Level Elevation 3282           16. Multiple New Well         17. Proposed Depth 8024         18. Formation Yeso         19. Contractor         20. Spud Date 11/1/2021	
Second   S	Eddy
RED LAKE;GLORIETA-YESO	
Additional Well Information	
Additional Well Information	
11. Work Type New Well     12. Well Type OIL     13. Cable/Rotary OIL     14. Lease Type Private     15. Ground Level Elevation 3282       16. Multiple N     17. Proposed Depth 8024     18. Formation Yeso     19. Contractor     20. Spud Date 11/1/2021	
New Well         OIL         Private         3282           16. Multiple         17. Proposed Depth N         18. Formation Yeso         19. Contractor         20. Spud Date 11/1/2021	
N 8024 Yeso 11/1/2021	
Depth to Ground water Distance from nearest fresh water well Distance to nearest surface water	
│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │	
21. Proposed Casing and Cement Program       Type     Hole Size     Casing Size     Casing Weight/ft     Setting Depth     Sacks of Cement	Estimated TOC
Surf 12.25 9.625 36 1230 450	0
Prod 8.75 7 26 2700 1850	0
Prod 8.75 5.5 17 8025 375	0
Continue Command Data was and Additional Commands	
Casing/Cement Program: Additional Comments  Redwood Operating proposed to drill a 12 1/4" hole to 1230', run 9 5/8" csg/cmt/ Drill 8 3/4" hole to 8025', run 7" & 5 1/2" csg/cmt, put well on production.	
Reawood Operating proposed to drift a 12 1/4 flote to 1230 , full 9 5/6 csg/cmt/ Drift 6 3/4 flote to 6025 , full 7 & 5 1/2 csg/cmt, put well on production.	
22. Proposed Blowout Prevention Program	
	ufacturer
Double Ram         3000         3000	
23. I hereby certify that the information given above is true and complete to the best of my  OIL CONSERVATION DIVISION	
knowledge and belief.	
I further certify I have complied with 19.15.14.9 (A) NMAC ⊠ and/or 19.15.14.9 (B) NMAC ⊠, if applicable.	

Approved By:

Approved Date:

Title:

Kurt Simmons Petroleum Specialist - A

Expiration Date: 9/1/2023

9/1/2021

Conditions of Approval Attached

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) 743-1283 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

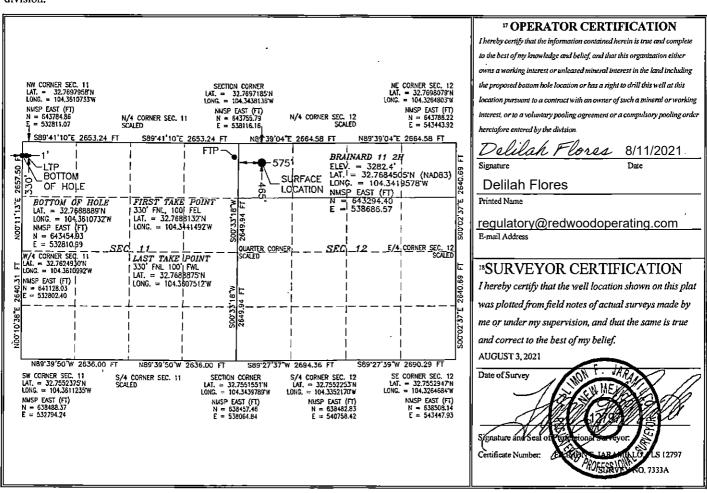
☐ AMENDED REPORT

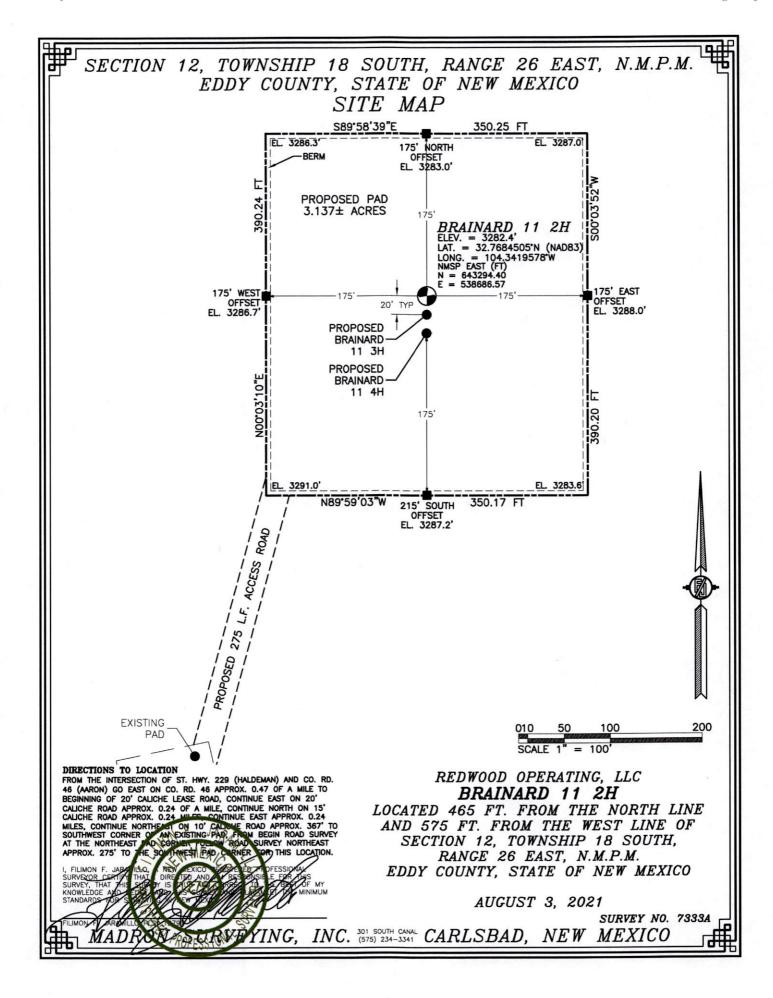
WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<u> </u>	
		51120	Red Lake; Glorieta-Yeso	-
<sup>4</sup> Property Code		3	<sup>6</sup> Well Number	
329360		BF	2H	
<sup>7</sup> OGRID N₀.		8	<sup>9</sup> Elevation	
330211		REDWOO	3282.4	

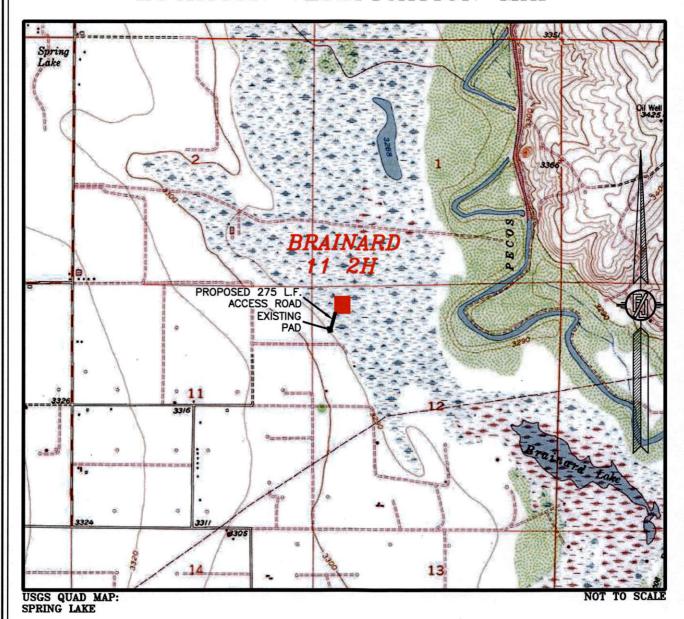
Surface Location UL or lot no Section Township Lot Idn Feet from the North/South line Range Feet from the East/West line County D 12 18 S 26 E 465 NORTH 575 WEST **EDDY** <sup>11</sup> Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County D 18 S 26 E 330 NORTH WEST **EDDY** 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





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

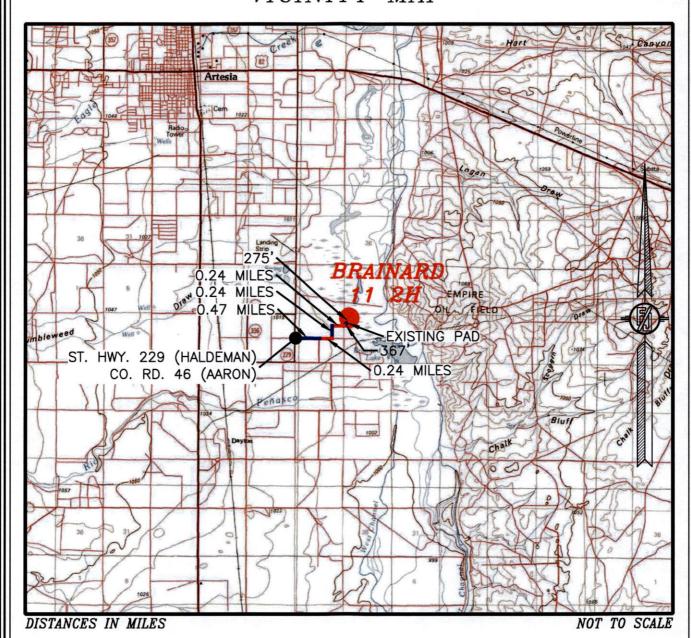


REDWOOD OPERATING, LLC
BRAINARD 11 2H
LOCATED 465 FT. FROM THE NORTH LINE
AND 575 FT. FROM THE WEST LINE OF
SECTION 12, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AUGUST 3, 2021

SURVEY NO. 7333A

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



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. 229 (HALDEMAN) AND CO. RD. 46 (AARON) GO EAST ON CO. RD. 46 APPROX. 0.47 OF A MILE TO BEGINNING OF 20' CALICHE LEASE ROAD, CONTINUE EAST ON 20' CALICHE ROAD APPROX. 0.24 OF A MILE, CONTINUE NORTH ON 15' CALICHE ROAD APPROX. 0.24 MILES, CONTINUE EAST APPROX. 0.24 MILES, CONTINUE EAST APPROX. 0.24 MILES, CONTINUE NORTHEAST ON 10' CALICHE ROAD APPROX. 367' TO SOUTHWEST CORNER OF AN EXISTING PAD, FROM BEGIN ROAD SURVEY AT THE NORTHEAST PAD CORNER FOLLOW ROAD SURVEY NORTHEAST APPROX. 275' TO THE SOUTHWEST PAD CORNER FOR THIS LOCATION.

REDWOOD OPERATING, LLC

BRAINARD 11 2H

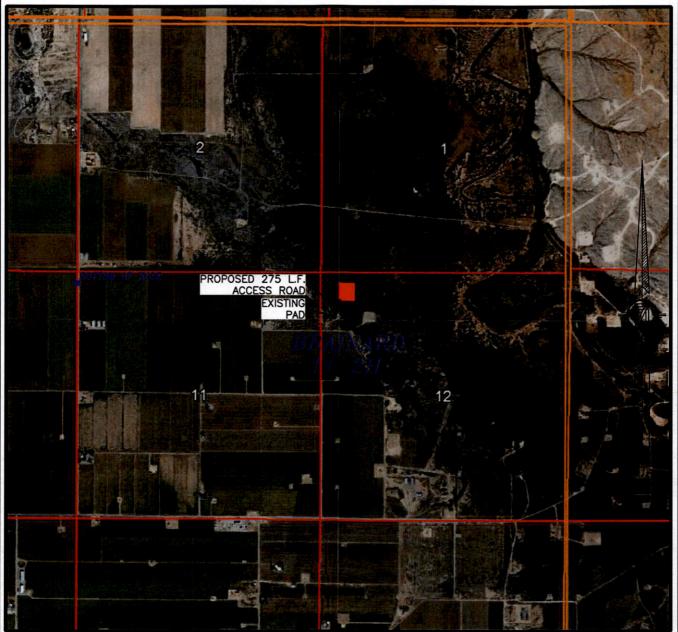
TED 465 FT. FROM THE NORTH LINE

LOCATED 465 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

AUGUST 3, 2021

SURVEY NO. 7333A

# 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 2H

LOCATED 465 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

AUGUST 3, 2021

SURVEY NO. 7333A

•

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



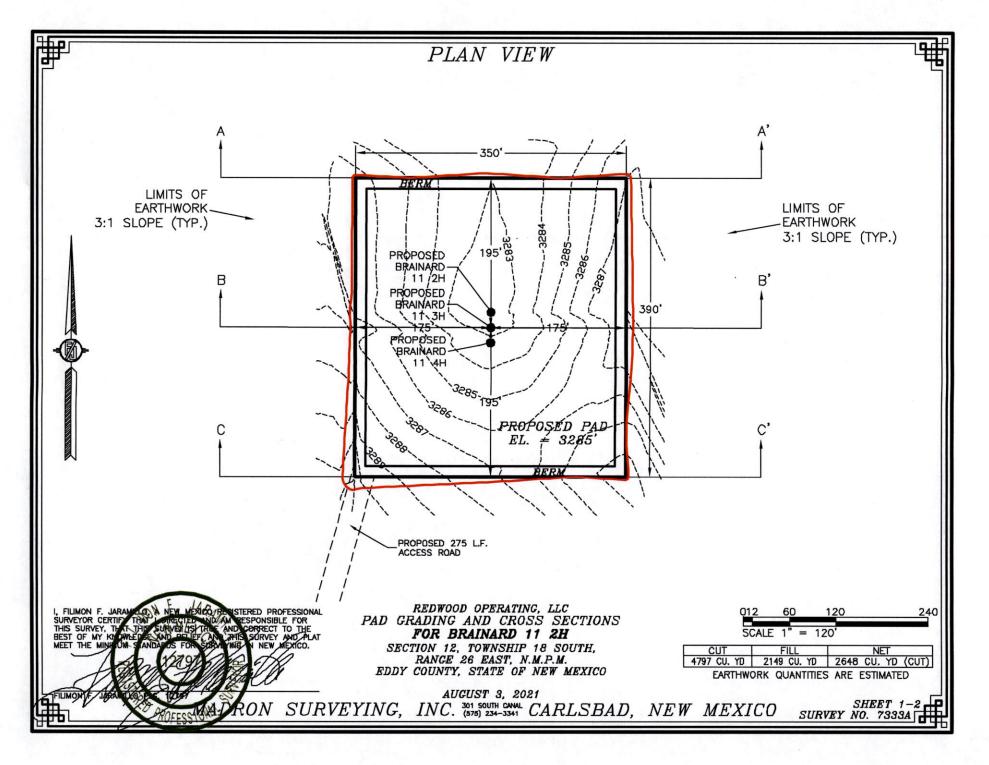
NOT TO SCALE AERIAL PHOTO: GOOGLE EARTH DEC. 2019

## REDWOOD OPERATING, LLC BRAINARD 11 2H

LOCATED 465 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

AUGUST 3, 2021

SURVEY NO. 7333A

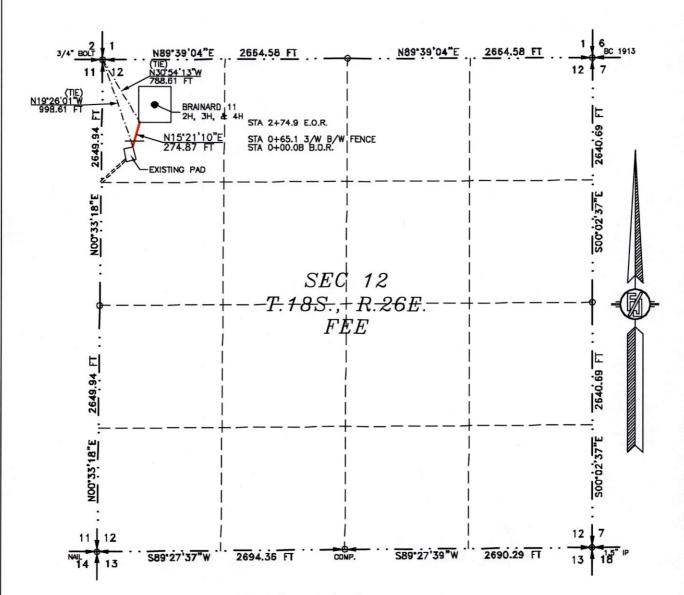


#### ACCESS ROAD PLAT

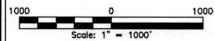
ACCESS ROAD FOR BRAINARD 11 2H, 3H, & 4H

### 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 AUGUST 3, 2021



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.

#### 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 MINIOR THEN BEYOR OF LICUST 2021

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

*NEW MEXICO* 

SURVEY NO. 7333A

#### ACCESS ROAD PLAT

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

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

AUGUST 3, 2021

#### 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 N15'21'10"E A DISTANCE OF 274.87 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 N30'54'13"W, A DISTANCE OF 788.61 FEET:

SAID STRIP OF LAND BEING 274.87 FEET OR 16.66 RODS IN LENGTH, CONTAINING 0.189 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NW/4 274.87 L.F. 16.66 RODS 0.189 ACRES

#### SURVEYOR CERTIFICATE

#### 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 5 (575)

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 TITLES WIFE CHITIS CERTIFICATE IS EXECUTED AT CARLSBAD.

MICHON 1861 BAY OF UCUST 2021

MADRON SURVEYING
301 SOUTH CANAL

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

SURVEY NO. 7333A

NEW MEXICO

Form APD Conditions

Permit 299442

<u>District I</u> 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

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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**

#### PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Redwood Operating LLC [330211]	30-015-48887
PO Box 1370	Well:
Artesia, NM 882111370	BRAINARD 11 #002H

OCD Reviewer	Condition
ksimmons	Notify OCD 24 hours prior to casing & cement
ksimmons	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ksimmons	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

I. Operator: Redwood Operating LLC

#### State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Date: 08 / 11 / 2021

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

### NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

#### Section 1 – Plan Description Effective May 25, 2021

**OGRID:** 

330211

Amendment	t due to □ 19.15.27.9	9.D(6)(a) NMAC	C □ 19.15.27.9.D(	(6)(b) NM	IAC □ Otl	her.			
				wells prop	posed to be	e drilled or proposed to			
Well Name API		Footages	Anticipated Oil BBL/D			Anticipated Produced Water BBL/D			
	Sec. 12 T18S R26E	465 FNL 575 FWL	100	100		1,000			
V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.  Well Name API Spud Date TD Reached Completion Initial Flow First Production									
	11/1/2021	12/1/2021	1/1/2022		1/1/2022	1/15/2022			
VI. Separation Equipment:   Attach a complete description of how Operator will size separation equipment to optimize gas capture.  VII. Operational Practices:   Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.  VIII. Best Management Practices:   Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.									
	API  API  int Name: e: Provide the ded from a sin API  ent: [X]Attacking 19.15.27.8  t Practices: t Practices:	following information for each ringle well pad or connected to a connected form.  API ULSTR  Sec. 12 T18S R26E  Sint Name: DCP Midstream Linam In the connected from a single well pad or connected from a sing	following information for each new or recompletingle well pad or connected to a central delivery particle.  API ULSTR Footages  Sec. 12 T18S R26E 465 FNL 575 FWL  Sint Name: DCP Midstream Linam Ranch Processing to the following information for each new tend from a single well pad or connected to a central tend from a single well pad or connected to a central tend. TD Reached Date  11/1/2021 12/1/2021  The provide the following information for each new tend from a single well pad or connected to a central tend. TD Reached Date  11/1/2021 12/1/2021  The provide the following information for each new tend from a single well pad or connected to a central tend. The provided the following information for each new tend from a single well pad or connected to a central tend. The provided tends in the provided te	following information for each new or recompleted well or set of vingle well pad or connected to a central delivery point.  API ULSTR Footages Anticipated Oil BBL/D  Sec. 12 T18S R26E 465 FNL 575 FWL 100  Sec. 12 T18S R26E 465 FNL 575 FWL 100  Sec. 12 T18S R26E 465 FNL 575 FWL 100  Sec. 12 T18S R26E 465 FNL 575 FWL 100  Sec. 12 T18S R26E 465 FNL 575 FWL 100  API Spud Date TD Reached Completed well pad or connected to a central delivery point.  API Spud Date TD Reached Completion Commencement 11/1/2021 12/1/2021 1/1/2022  Sent: Attach a complete description of how Operator will size septices: Attach a complete description of the actions Operator will of 19.15.27.8 NMAC.  Sec. 12 T18S R26E 465 FNL 575 FWL 100	following information for each new or recompleted well or set of wells prongle well pad or connected to a central delivery point.  API ULSTR Footages Anticipated Oil BBL/D Gas Mark Sec. 12 T18S R26E 465 FNL 575 FWL 100 100  Sint Name: DCP Midstream Linam Ranch Processing Plant/ Durango Midstream et action a single well pad or connected to a central delivery point.  API Spud Date TD Reached Completion Commencement Date 11/1/2021 12/1/2021 1/1/2022  Each: XAttach a complete description of how Operator will size separation exices: XAttach a complete description of the actions Operator will take to of 19.15.27.8 NMAC.	following information for each new or recompleted well or set of wells proposed to be a ngle well pad or connected to a central delivery point.  API ULSTR Footages Anticipated Oil BBL/D Gas MCF/D  Sec. 12 T18S R26E 465 FNL 575 FWL 100 100  Sec. 12 T18S R26E 465 FNL 575 FWL 100 100  Sint Name: DCP Midstream Linam Ranch Processing Plant/ Durango Midstream [See 19.  Provide the following information for each new or recompleted well or set of wells pated from a single well pad or connected to a central delivery point.  API Spud Date TD Reached Completion Commencement Date Back Date 11/1/2021 11/1/2022			

### Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

		<u>EFFECTIV</u>	E APRIL 1, 2022						
Beginning April 1, 20 reporting area must co			with its statewide natural ga	as capture requirement for the applicable					
☐ Operator certifies capture requirement f			tion because Operator is in o	compliance with its statewide natural gas					
IX. Anticipated Natu	ıral Gas Producti	on:							
Well		API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF					
X. Natural Gas Gath	nering System (NC	GGS):							
Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in					
production operations the segment or portion XII. Line Capacity. production volume from XIII. Line Pressure. natural gas gathering   Attach Operator's XIV. Confidentiality Section 2 as provided	XI. Map.   Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.  XII. Line Capacity. The natural gas gathering system   will   will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.  XIII. Line Pressure. Operator   does   does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).   Attach Operator's plan to manage production in response to the increased line pressure.  XIV. Confidentiality:   Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.								

(i)

# Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: 🛮 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system: or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan. 

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) **(b)** power generation for grid; compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

### **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

#### VI. Separation Equipment:

Redwood Operating LLC production facilities include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool of our completion project. Redwood Operating LLC will utilize flowback separation equipment and production separation equipment designed and built to industry specifications after the completion to optimize gas capture and send gas to sales or flare based on analytical composition. Redwood Operating LLC operates facilities that are typically multi-well facilities. Production separation equipment is upgraded prior to new wells being completed, if determined to be undersized or inadequate. This equipment is already on-site and tied into our sales gas lines prior to the new drill operations.

#### VII. Operational Practices:

- Subsection (A) Venting and Flaring of Natural Gas. Redwood Operating LLC understands the
  requirements of NMAC 19.15.27.8 which outlines that the venting and flaring of natural gas during
  drilling, completion or production operations that constitutes waste as defined in 19.15.2 are
  prohibited.
- 2. Subsection (B) Venting and Flaring during drilling operations. This gas capture plan isn't for a well being drilled.
- 3. Subsection (C) Venting and flaring during completion or recompletion. Flowlines will be routed for flowback fluids into a completion or storage tank and if feasible under well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function.
  - At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.
- 4. Subsection (D) Venting and flaring during production operations o At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.
  - Monitor manual liquid unloading for wells on-site or in close proximity (<30 minutes' drive time), take reasonable actions to achieve a stabilized rate and pressure at the earliest practical time, and take reasonable actions to minimize venting to the maximum extent practicable.
  - Redwood Operating LLC will not vent or flare except during the approved activities listed in NMAC 19.15.27.8 (D) 14.
- 5. Subsection (E) Performance standards o All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
  - If a flare is utilized during production operations it will have a continuous pilot and is located more than 100 feet from any known well or storage tanks.
  - At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.

- 6. Subsection (F) Measurement or estimation of vented and flared natural gas o Measurement equipment is installed to measure the volume of natural gas flared from process piping.
  - When measurement isn't practicable, estimation of vented and flared natural gas will be completed as noted in 19.15.27.8 (F) 5-6.

#### VIII. Best Management Practices:

- 1. Redwood Operating LLC has adequate storage and takeaway capacity for wells it chooses to complete as the flowlines at the sites are already in place and tied into a gathering system.
- 2. Redwood Operating LLC will flare rather than vent vessel blowdown gas when technically feasible during active and/or planned maintenance to equipment on-site.
- 3. Redwood Operating LLC combusts natural gas that would otherwise be vented or flared, when technically feasible.
- 4. Redwood Operating LLC will shut in wells in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.

# Brainard 11 #2H, Plan 1

OperatorRedwood Operating LLCUnitsfeet, °/100ft14:47 Tuesday, August 10, 2021 Page 1 of 4FieldCountyEddyVertical Section Azimuth270.31Well NameBrainard 11 #2HStateNew MexicoSurvey Calculation MethodMinimum CurvaturePlan1CountryUSADatabaseAccess

Location SL: 465 FNL & 575 FWL Sec 12-T18S-R26E BHL: 330

FNL & 1 FWL Sec 11-T18S-R26E Site

Slot Name UWI Well Number API

Project MD/TVD Ref KB

Map Zone UTM

**Surface X** 1842709.2 **Surface Y** 11894943.4 **Surface Z** 3300.4

Ground Level 3282.4

Lat Long Ref

Surface Long
Surface Lat
Global Z Ref KB

Local North Ref Grid

DIDECTIONAL	WEI I	DI AN
DIKEVITORAL	***	1 6/3/14

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
*** TIE (at MD	= 1591.00)	doa	ft	ft	ft	°/1∩∩ft	ft	ft	ft	ft
1591.00	0.00	0.0	1591.00	0.00	0.00		0.00	1842709.20	11894943.40	1709.40
1600.00	0.00	0.0	1600.00	0.00	0.00	0.00	0.00	1842709.20	11894943.40	1700.40
1650.00	0.00	0.0	1650.00	0.00	0.00	0.00	0.00	1842709.20	11894943.40	1650.40
*** KOP 9 DEG	REES (at I	MD = 1691								
1691.00	0.00	0.0	1691.00	0.00	0.00	0.00	0.00	1842709.20	11894943.40	1609.40
1700.00	0.72	281.6	1700.00	0.01	-0.06	8.00	0.06	1842709.14	11894943.41	1600.40
1750.00	4.72	281.6	1749.93	0.49	-2.38	8.00	2.38	1842706.82	11894943.89	1550.47
1800.00	8.72	281.6	1799.58	1.66	-8.11	8.00	8.12	1842701.09	11894945.06	1500.82
1850.00	12.72	281.6	1848.70	3.53	-17.22	8.00	17.24	1842691.98	11894946.93	1451.70
1900.00	16.72	281.6	1897.05	6.09	-29.66	8.00	29.69	1842679.54	11894949.49	1403.35
1950.00	20.72	281.6	1944.39	9.31	-45.38	8.00	45.43	1842663.82	11894952.71	1356.01
2000.00	24.72	281.6	1990.50	13.20	-64.29	8.00	64.36	1842644.91	11894956.60	1309.90
2050.00	28.72	281.6	2035.15	17.72	-86.31	8.00	86.40	1842622.89	11894961.12	1265.25
2100.00	32.72	281.6	2078.13	22.85	-111.32	8.00	111.45	1842597.88	11894966.25	1222.27
2150.00	36.72	281.6	2119.22	28.58	-139.21	8.00	139.37	1842569.99	11894971.98	1181.18
2200.00	40.72	281.6	2119.22	34.86	-169.85	8.00	170.03	1842539.35	11894978.26	1142.18
2200.00	40.72	201.0	2130.22	34.00	-109.00	0.00	170.03	1042339.33	11094970.20	1142.10
2250.00	44.72	281.6	2194.95	41.68	-203.07	8.00	203.29	1842506.13	11894985.08	1105.45
2300.00	48.72	281.6	2229.22	49.00	-238.72	8.00	238.98	1842470.48	11894992.40	1071.18
2350.00	52.72	281.6	2260.87	56.78	-276.62	8.00	276.92	1842432.58	11895000.18	1039.53
*** 55 DEGREE	E TANGENT	Г (at MD =	2378.50)							
2378.50	55.00	281.6	2277.67	61.41	-299.17	8.00	299.49	1842410.03	11895004.81	1022.73
2400.00	55.00	281.6	2290.01	64.95	-316.42	0.00	316.76	1842392.78	11895008.35	1010.39
2450.00	55.00	281.6	2318.69	73.19	-356.54	0.00	356.93	1842352.66	11895016.59	981.71
2500.00	55.00	281.6	2347.36	81.42	-396.66	0.00	397.09	1842312.54	11895024.82	953.04
	55.00									924.36
2550.00	55.00 55.00	281.6	2376.04	89.66	-436.78	0.00	437.26	1842272.42	11895033.06	
2600.00		281.6	2404.72	97.89	-476.90	0.00	477.42	1842232.30	11895041.29	895.68
*** 10 DEGREE 2628.50	55.00		26.50) 2421.07	102.59	-499.77	0.00	500.32	1842209.43	11895045.99	879.33
2020.50	55.00	281.6	2421.07	102.39	<del>-4</del> 99.77	0.00	300.32	1042209.43	11093043.99	019.33
2650.00	57.03	280.8	2433.09	106.04	-517.26	10.00	517.83	1842191.94	11895049.44	867.31
2700.00	61.79	279.0	2458.52	113.39	-559.65	10.00	560.26	1842149.55	11895056.79	841.88
2750.00	66.56	277.3	2480.30	119.74	-604.19	10.00	604.83	1842105.01	11895063.14	820.10
2800.00	71.35	275.8	2498.25	125.03	-650.54	10.00	651.21	1842058.66	11895068.43	802.15
2850.00	76.15	274.3	2512.24	129.22	-698.35	10.00	699.03	1842010.85	11895072.62	788.16
0000 00	00.00	070.0	0500.40	400.00	747.04	40.00	747.04	4044604.00	44005075.70	770.04
2900.00	80.96	272.9	2522.16	132.30	-747.24	10.00	747.94	1841961.96	11895075.70	778.24
2950.00	85.77	271.5	2527.94	134.22	-796.85	10.00	797.57	1841912.35	11895077.62	772.46
*** LANDING P			•	404.00	0.40 ==	40.00	0.40, 40	4044600 45	44005070.00	77001
2995.96	90.20	270.3	2529.56	134.96	-842.77	10.00	843.48	1841866.43	11895078.36	770.84
3000.00	90.20	270.3	2529.54	134.98	-846.80	0.00	847.52	1841862.40	11895078.38	770.86
Page 1 of 4										makinhole.com

# Brainard 11 #2H, Plan 1

**Operator** Redwood Operating LLC Units feet, °/100ft 14:47 Tuesday, August 10, 2021 Page 2 of 4 Field County Eddy Vertical Section Azimuth 270.31 Survey Calculation Method Minimum Curvature Well Name Brainard 11 #2H State New Mexico Plan 1 **Country** USA **Database** Access

Location SL: 465 FNL & 575 FWL Sec 12-T18S-R26E BHL: 330

FNL & 1 FWL Sec 11-T18S-R26E

Site UWI **Slot Name Well Number** API

**Project**  $\textbf{MD/TVD} \; \textbf{Ref} \; \; \textbf{KB}$  Map Zone UTM

**Surface X** 1842709.2 **Surface Y** 11894943.4 **Surface Z** 3300.4

Ground Level 3282.4

Lat Long Ref

**Surface Long Surface Lat** Global Z Ref KB Local North Ref Grid

**DIRECTIONAL WELL PLAN** 

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
3050.00	90.20	270.3	2529.37	135.26	-896.80	°/100 <del>ft</del> 0.00	897.52	1841812.40	11895078.66	771.03
3030.00	30.20	210.5	2029.01	133.20	-090.00	0.00	091.02	1041012.40	11093070.00	771.03
3100.00	90.20	270.3	2529.19	135.53	-946.80	0.00	947.52	1841762.40	11895078.93	771.21
3150.00	90.20	270.3	2529.02	135.80	-996.80	0.00	997.52	1841712.40	11895079.20	771.38
3200.00	90.20	270.3	2528.84	136.07	-1046.80	0.00	1047.52	1841662.40	11895079.47	771.56
3250.00	90.20	270.3	2528.67	136.34	-1096.80	0.00	1097.52	1841612.40	11895079.74	771.73
3300.00	90.20	270.3	2528.49	136.61	-1146.80	0.00	1147.52	1841562.40	11895080.01	771.91
3350.00	90.20	270.3	2528.32	136.88	-1196.80	0.00	1197.52	1841512.40	11895080.28	772.08
3400.00	90.20	270.3	2528.14	137.15	-1246.80	0.00	1247.52	1841462.40	11895080.55	772.26
3450.00	90.20	270.3	2527.97	137.42	-1296.79	0.00	1297.52	1841412.41	11895080.82	772.43
3500.00	90.20	270.3	2527.80	137.69	-1346.79	0.00	1347.52	1841362.41	11895081.09	772.60
3550.00	90.20	270.3	2527.62	137.96	-1396.79	0.00	1397.52	1841312.41	11895081.36	772.78
3600.00	90.20	270.3	2527.45	138.23	-1446.79	0.00	1447.52	1841262.41	11895081.63	772.95
3650.00	90.20	270.3	2527.27	138.50	-1496.79	0.00	1497.52	1841212.41	11895081.90	773.13
3700.00	90.20	270.3	2527.10	138.77	-1546.79	0.00	1547.52	1841162.41	11895082.17	773.30
3750.00	90.20	270.3	2526.92	139.04	-1596.79	0.00	1597.52	1841112.41	11895082.44	773.48
3800.00	90.20	270.3	2526.75	139.31	-1646.79	0.00	1647.52	1841062.41	11895082.71	773.65
3850.00	90.20	270.3	2526.57	139.58	-1696.79	0.00	1697.52	1841012.41	11895082.98	773.83
3900.00	90.20	270.3	2526.40	139.85	-1746.79	0.00	1747.52	1840962.42	11895083.25	774.00
3950.00	90.20	270.3	2526.23	140.12	-1796.78	0.00	1797.52	1840912.42	11895083.52	774.17
4000.00	90.20	270.3	2526.05	140.39	-1846.78	0.00	1847.52	1840862.42	11895083.79	774.35
4050.00	90.20	270.3	2525.88	140.67	-1896.78	0.00	1897.52	1840812.42	11895084.07	774.52
4100.00	90.20	270.3	2525.70	140.94	-1946.78	0.00	1947.51	1840762.42	11895084.34	774.70
4150.00	90.20	270.3	2525.53	141.21	-1996.78	0.00	1997.51	1840712.42	11895084.61	774.87
4200.00	90.20	270.3	2525.35	141.48	-2046.78	0.00	2047.51	1840662.42	11895084.88	775.05
4250.00	90.20	270.3	2525.18	141.75	-2096.78	0.00	2097.51	1840612.42	11895085.15	775.22
4300.00	90.20	270.3	2525.00	142.02	-2146.78	0.00	2147.51	1840562.42	11895085.42	775.40
4350.00	90.20	270.3	2524.83	142.29	-2196.78	0.00	2197.51	1840512.42	11895085.69	775.57
4400.00	90.20	270.3	2524.65	142.56	-2246.77	0.00	2247.51	1840462.43	11895085.96	775.75
4450.00	90.20	270.3	2524.48	142.83	-2296.77	0.00	2297.51	1840412.43	11895086.23	775.92
4500.00	90.20	270.3	2524.31	143.10	-2346.77	0.00	2347.51	1840362.43	11895086.50	776.09
4550.00	90.20	270.3	2524.13	143.37	-2396.77	0.00	2397.51	1840312.43	11895086.77	776.27
4600.00	90.20	270.3	2523.96	143.64	-2446.77	0.00	2447.51	1840262.43	11895087.04	776.44
4650.00	90.20	270.3	2523.78	143.91	-2496.77	0.00	2497.51	1840212.43	11895087.31	776.62
4700.00	90.20	270.3	2523.61	144.18	-2546.77	0.00	2547.51	1840162.43	11895087.58	776.79
4750.00	90.20	270.3	2523.43	144.45	-2596.77	0.00	2597.51	1840112.43	11895087.85	776.97
4800.00	90.20	270.3	2523.26	144.72	-2646.77	0.00	2647.51	1840062.43	11895088.12	777.14
4850.00	90.20	270.3	2523.08	144.99	-2696.77	0.00	2697.51	1840012.43	11895088.39	777.32
Page 2 of 4					SES v5	.78			WWW	.makinhole.com

Lat Long Ref

# Brainard 11 #2H, Plan 1

Units feet, °/100ft 14:47 Tuesday, August 10, 2021 Page 3 of 4 Operator Redwood Operating LLC County Eddy Vertical Section Azimuth 270.31 **Field** Well Name Brainard 11 #2H State New Mexico **Survey Calculation Method** Minimum Curvature Plan 1 **Country** USA **Database** Access

Location SL: 465 FNL & 575 FWL Sec 12-T18S-R26E BHL: 330

Map Zone UTM FNL & 1 FWL Sec 11-T18S-R26E

Site **Surface X** 1842709.2 **Surface Long** UWI **Surface Y** 11894943.4 **Slot Name Surface Lat Well Number** API **Surface Z** 3300.4 Global Z Ref KB **Project** MD/TVD Ref KB Ground Level 3282.4 Local North Ref Grid

**DIRECTIONAL WELL PLAN** 

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
4900.00	90.20	270.3	2522.91	145.26	-2746.76	°/100 <del>ft</del> 0.00	2747.51	1839962.44	11895088.66	777.49
4950.00	90.20	270.3	2522.91	145.20	-2740.76	0.00	2797.51	1839912.44	11895088.93	777.67
5000.00	90.20	270.3	2522.75	145.81	-2846.76	0.00	2847.51	1839862.44	11895089.21	777.84
5050.00	90.20	270.3	2522.39	146.08	-2896.76	0.00	2897.51	1839812.44	11895089.48	777.04
3030.00	90.20	210.5	2022.09	140.00	-2090.70	0.00	2097.31	1009012.44	11093009.40	770.01
5100.00	90.20	270.3	2522.21	146.35	-2946.76	0.00	2947.51	1839762.44	11895089.75	778.19
5150.00	90.20	270.3	2522.04	146.62	-2996.76	0.00	2997.51	1839712.44	11895090.02	778.36
5200.00	90.20	270.3	2521.86	146.89	-3046.76	0.00	3047.51	1839662.44	11895090.29	778.54
5250.00	90.20	270.3	2521.69	147.16	-3096.76	0.00	3097.51	1839612.44	11895090.56	778.71
5300.00	90.20	270.3	2521.51	147.43	-3146.76	0.00	3147.51	1839562.44	11895090.83	778.89
5350.00	90.20	270.3	2521.34	147.70	-3196.76	0.00	3197.51	1839512.45	11895091.10	779.06
5400.00	90.20	270.3	2521.16	147.97	-3246.75	0.00	3247.51	1839462.45	11895091.37	779.24
5450.00	90.20	270.3	2520.99	148.24	-3296.75	0.00	3297.51	1839412.45	11895091.64	779.41
5500.00	90.20	270.3	2520.81	148.51	-3346.75	0.00	3347.51	1839362.45	11895091.91	779.59
5550.00	90.20	270.3	2520.64	148.78	-3396.75	0.00	3397.51	1839312.45	11895092.18	779.76
5600.00	90.20	270.3	2520.47	149.05	-3446.75	0.00	3447.51	1839262.45	11895092.45	779.93
5650.00	90.20	270.3	2520.47	149.32	-3496.75	0.00	3497.51	1839212.45	11895092.72	780.11
5700.00	90.20	270.3	2520.29	149.52	-3546.75	0.00	3547.51	1839162.45	11895092.72	780.11
5750.00	90.20	270.3	2520.12 2519.94	149.86	-3546.75	0.00	3597.50	1839112.45	11895092.99	780.26
5800.00	90.20	270.3	2519.57	150.13	-3646.75	0.00	3647.50	1839062.45	11895093.53	780.63
5850.00	90.20	270.3	2519.59	150.40	-3696.74	0.00	3697.50	1839012.46	11895093.80	780.81
5900.00	90.20	270.3	2519.42	150.67	-3746.74	0.00	3747.50	1838962.46	11895094.07	780.98
5950.00	90.20	270.3	2519.24	150.95	-3796.74	0.00	3797.50	1838912.46	11895094.35	781.16
6000.00	90.20	270.3	2519.07	151.22	-3846.74	0.00	3847.50	1838862.46	11895094.62	781.33
6050.00	90.20	270.3	2518.89	151.49	-3896.74	0.00	3897.50	1838812.46	11895094.89	781.51
6100.00	90.20	270.3	2518.72	151.76	-3946.74	0.00	3947.50	1838762.46	11895095.16	781.68
6150.00	90.20	270.3	2518.55	152.03	-3996.74	0.00	3997.50	1838712.46	11895095.43	781.85
6200.00	90.20	270.3	2518.37	152.30	-4046.74	0.00	4047.50	1838662.46	11895095.70	782.03
6250.00	90.20	270.3	2518.20	152.57	-4096.74	0.00	4097.50	1838612.46	11895095.97	782.20
6300.00	90.20	270.3	2518.02	152.84	-4146.74	0.00	4147.50	1838562.46	11895096.24	782.38
6350.00	90.20	270.3	2517.85	153.11	-4196.73	0.00	4197.50	1838512.47	11895096.51	782.55
6400.00	90.20	270.3	2517.67	153.38	-4246.73	0.00	4247.50	1838462.47	11895096.78	782.73
6450.00	90.20	270.3	2517.50	153.65	-4296.73	0.00	4297.50	1838412.47	11895097.05	782.90
6500.00	90.20	270.3	2517.32	153.92	-4346.73	0.00	4347.50	1838362.47	11895097.32	783.08
6550.00	90.20	270.3	2517.15	154.19	-4396.73	0.00	4397.50	1838312.47	11895097.59	783.25
6600.00	00.20	270.2	2516.07	154.46	1116 70	0.00	1117 EO	1000060 47	11005007.00	702 42
6600.00	90.20	270.3	2516.97	154.46	-4446.73	0.00	4447.50	1838262.47	11895097.86	783.43
6650.00	90.20	270.3	2516.80	154.73	-4496.73	0.00	4497.50	1838212.47	11895098.13	783.60
6700.00	90.20	270.3	2516.63	155.00	-4546.73	0.00	4547.50	1838162.47	11895098.40	783.77

# Brainard 11 #2H, Plan 1

OperatorRedwood Operating LLCUnitsfeet, °/100ft14:47 Tuesday, August 10, 2021 Page 4 of 4FieldCountyEddyVertical Section Azimuth270.31Well NameBrainard 11 #2HStateNew MexicoSurvey Calculation MethodMinimum CurvaturePlan1CountryUSADatabaseAccess

**Location** SL: 465 FNL & 575 FWL Sec 12-T18S-R26E BHL: 330

L: 330 Map Zone UTM

Lat Long Ref

FNL & 1 FWL Sec 11-T18S-R26E Site

**Surface X** 1842709.2

Surface Long

Slot Name Well Number

**Project** 

UWI API

MD/TVD Ref KB

**Surface Y** 11894943.4 **Surface Z** 3300.4

Ground Level 3282.4

Surface Lat
Global Z Ref KB
Local North Ref Grid

**DIRECTIONAL WELL PLAN** 

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	-	SysTVD*
6750.00	90.20	270.3	2516.45	155.27	-4596.73	0.00	4597.50	1838112.47	11895098.67	783.95
6800.00	90.20	270.3	2516.28	155.54	-4646.72	0.00	4647.50	1838062.48	11895098.94	784.12
6850.00	90.20	270.3	2516.10	155.81	-4696.72	0.00	4697.50	1838012.48	11895099.21	784.30
6900.00	90.20	270.3	2515.93	156.09	-4746.72	0.00	4747.50	1837962.48	11895099.49	784.47
6950.00	90.20	270.3	2515.75	156.36	-4796.72	0.00	4797.50	1837912.48	11895099.76	784.65
7000.00	90.20	270.3	2515.58	156.63	-4846.72	0.00	4847.50	1837862.48	11895100.03	784.82
7050.00	90.20	270.3	2515.40	156.90	-4896.72	0.00	4897.50	1837812.48	11895100.30	785.00
7100.00	90.20	270.3	2515.23	157.17	-4946.72	0.00	4947.50	1837762.48	11895100.57	785.17
7150.00	90.20	270.3	2515.25	157.17	-4946.72 -4996.72	0.00	4947.50	1837712.48	11895100.84	785.35
		270.3 270.3								785.52
7200.00	90.20		2514.88	157.71	-5046.72	0.00	5047.50	1837662.48	11895101.11	
7250.00	90.20	270.3	2514.71	157.98	-5096.72	0.00	5097.50	1837612.48	11895101.38	785.69
7300.00	90.20	270.3	2514.53	158.25	-5146.71	0.00	5147.50	1837562.49	11895101.65	785.87
7350.00	90.20	270.3	2514.36	158.52	-5196.71	0.00	5197.50	1837512.49	11895101.92	786.04
7400.00	90.20	270.3	2514.18	158.79	-5246.71	0.00	5247.49	1837462.49	11895102.19	786.22
7450.00	90.20	270.3	2514.01	159.06	-5296.71	0.00	5297.49	1837412.49	11895102.46	786.39
7500.00	90.20	270.3	2513.83	159.33	-5346.71	0.00	5347.49	1837362.49	11895102.73	786.57
7550.00	90.20	270.3	2513.66	159.60	-5396.71	0.00	5397.49	1837312.49	11895103.00	786.74
7600.00	90.20	270.3	2513.48	159.87	-5446.71	0.00	5447.49	1837262.49	11895103.27	786.92
7650.00	90.20	270.3	2513.31	160.14	-5496.71	0.00	5497.49	1837212.49	11895103.54	787.09
7700.00	90.20	270.3	2513.14	160.41	-5546.71	0.00	5547.49	1837162.49	11895103.81	787.26
7750.00	90.20	270.3	2512.96	160.68	-5596.71	0.00	5597.49	1837112.49	11895104.08	787.44
7800.00	90.20	270.3	2512.79	160.95	-5646.70	0.00	5647.49	1837062.50	11895104.35	787.61
7850.00	90.20	270.3	2512.61	161.23	-5696.70	0.00	5697.49	1837012.50	11895104.63	787.79
7900.00	90.20	270.3	2512.01	161.50	-5746.70	0.00	5747.49	1836962.50	11895104.90	787.79
7950.00	90.20	270.3	2512. <del>44</del> 2512.26	161.77	-5796.70	0.00	5797.49	1836912.50	11895104.90	788.14
	90.20									788.31
8000.00		270.3	2512.09	162.04	-5846.70	0.00	5847.49	1836862.50	11895105.44	100.31
*** TD (at MD 8024.96	90.20	270.3	2512.00	162.17	-5871.66	0.00	5872.45	1836837.54	11895105.57	788.40
0024.90	90.20	210.3	2312.00	102.17	-307 1.00	0.00	3012.43	1030031.34	1 1090 100.57	100.40

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