

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
93223

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
Madera 19 Federal #2H2. Name of Operator
RMR Operating, LLC

RECEIVED

9. API Well No.
30-025-406313a. Address
2515 McKinney Avenue Suite 900
Dallas, Texas 752013b. Phone No. (include area code)
214-871-040010. Field and Pool or Exploratory Area
Jabalina, SW WLC Bone Spring 96674. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FSL & 660' FWL, Sec. 19, T-26S, R-35E11. County or Parish, State
Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Subsequent Report☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Final Abandonment Notice☐ Casing Repair☐ New Construction☐ Recomplete☒ Other extend lateral☐ Change Plans☐ Plug and Abandon☐ Temporarily AbandonIncrease well pad size☐ Convert to Injection☐ Plug Back☐ Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Proposed Operations:

Extend the lateral to Section 18, new BHL will be 2310' FSL & 660' FWL of Sec. 18, T-26S, R-35E. Attached is the new survey plat and directional plan of the well.

We also proposed to increase the pad size to 375' x 350' (add 50', 25' & 25' towards East, West and South respectively) to support additional required equipment to drill extended lateral. Upon completion of the well we will maintain our surface usage plan.

Original Drilling COA Still Applies

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Tommy W. Folsom

Title Executive VP and Director of E&P

Signature

Date 02/27/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAR 19 2013



Red Mountain Resources

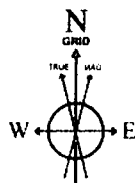
Location: Lea County, NM
Field: (Madera)
Facility: Madera 19 Federal No.2H

Slot: No.2H SHL
Well: No.2H
Wellbore: No.2H PWB

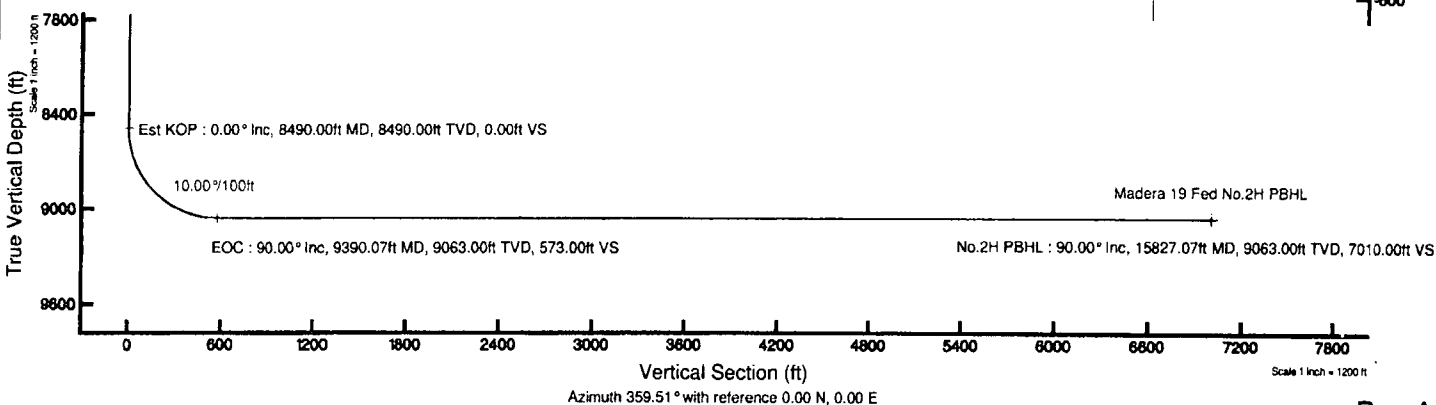
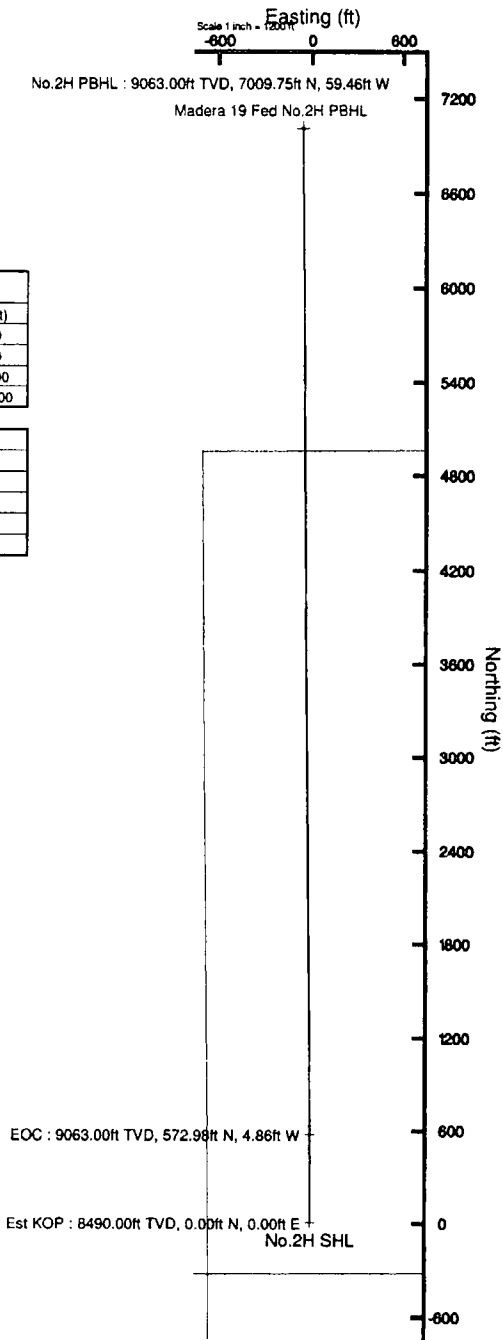


Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	23.00	0.000	359.514	23.00	0.00	0.00	0.00	0.00
Est KOP	8490.00	0.000	359.514	8490.00	0.00	0.00	0.00	0.00
EOC	9390.07	90.000	359.514	9063.00	572.98	-4.86	10.00	573.00
No.2H PBHL	15827.07	90.000	359.514	9063.00	7009.75	-59.46	0.00	7010.00

Plot reference wellpath is Rev-A.0	
True vertical depths are referenced to Rig on No.2H SHL (KB)	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.2H SHL (KB)	North Reference: Grid north
Rig on No.2H SHL (KB) to Mean Sea Level: 3207.3 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.2H SHL): -3184.3 feet	Depths are in feet
Coordinates are in feet referenced to Facility Center	Created by: gentbry on 02/21/2013



BGGM (1945.0 to 2014.0) Dip: 59.94° Field: 48325.4 nT
Magnetic North is 7.39 degrees East of True North (at 02/21/2013)
Grid North is 0.49 degrees East of True North
To correct azimuth from True to Grid subtract 0.49 degrees
To correct azimuth from Magnetic to Grid add 6.90 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 6.90 = 96.90



Rev-A.0



Planned Wellpath Report

Rev-A.0

Page 1 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	1	Report Generated	02/21/2013 at 4:15:22 PM
Convergence at slot	0.49° East	Database/Source file	WA Midland/No.2H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W
Facility Reference Pt			826566.94	373129.80	32°01'20.908"N	103°24'46.785"W
Field Reference Pt			823834.56	372454.20	32°01'14.452"N	103°25'18.587"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.2H SHL (KB) to Facility Vertical Datum	23.00ft
Horizontal Reference Pt	Facility Center	Rig on No.2H SHL (KB) to Mean Sea Level	3207.30ft
Vertical Reference Pt	Rig on No.2H SHL (KB)	Rig on No.2H SHL (KB) to Mud Line at Slot (No.2H SHL)	23.00ft
MD Reference Pt	Rig on No.2H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.51°



Planned Wellpath Report

Rev-A.0
Page 2 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	359.514	0.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
23.00	0.000	359.514	23.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Tie On
123.00†	0.000	359.514	123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
223.00†	0.000	359.514	223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
423.00†	0.000	359.514	423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
523.00†	0.000	359.514	523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
623.00†	0.000	359.514	623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
723.00†	0.000	359.514	723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
923.00†	0.000	359.514	923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1023.00†	0.000	359.514	1023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1047.00†	0.000	359.514	1047.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Rustler
1123.00†	0.000	359.514	1123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1323.00†	0.000	359.514	1323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1423.00†	0.000	359.514	1423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1523.00†	0.000	359.514	1523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1623.00†	0.000	359.514	1623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1823.00†	0.000	359.514	1823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
1923.00†	0.000	359.514	1923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2023.00†	0.000	359.514	2023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2123.00†	0.000	359.514	2123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2323.00†	0.000	359.514	2323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2423.00†	0.000	359.514	2423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2523.00†	0.000	359.514	2523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2623.00†	0.000	359.514	2623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2723.00†	0.000	359.514	2723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	



Planned Wellpath Report

Rev-A.0

Page 3 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2823.00†	0.000	359.514	2823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
2923.00†	0.000	359.514	2923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3023.00†	0.000	359.514	3023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3123.00†	0.000	359.514	3123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3223.00†	0.000	359.514	3223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3323.00†	0.000	359.514	3323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3423.00†	0.000	359.514	3423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3523.00†	0.000	359.514	3523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3623.00†	0.000	359.514	3623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3723.00†	0.000	359.514	3723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3823.00†	0.000	359.514	3823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
3923.00†	0.000	359.514	3923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4023.00†	0.000	359.514	4023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4123.00†	0.000	359.514	4123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4223.00†	0.000	359.514	4223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4323.00†	0.000	359.514	4323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4423.00†	0.000	359.514	4423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4523.00†	0.000	359.514	4523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4623.00†	0.000	359.514	4623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4723.00†	0.000	359.514	4723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4823.00†	0.000	359.514	4823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
4923.00†	0.000	359.514	4923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5023.00†	0.000	359.514	5023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5123.00†	0.000	359.514	5123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5223.00†	0.000	359.514	5223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5323.00†	0.000	359.514	5323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5331.00†	0.000	359.514	5331.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Lamar Lime
5373.00†	0.000	359.514	5373.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Delaware Sand
5423.00†	0.000	359.514	5423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5523.00†	0.000	359.514	5523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	



Planned Wellpath Report

Rev-A.0

Page 4 of 8



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Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5623.00†	0.000	359.514	5623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5723.00†	0.000	359.514	5723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5823.00†	0.000	359.514	5823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
5923.00†	0.000	359.514	5923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6023.00†	0.000	359.514	6023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6123.00†	0.000	359.514	6123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6223.00†	0.000	359.514	6223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6323.00†	0.000	359.514	6323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6423.00†	0.000	359.514	6423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6523.00†	0.000	359.514	6523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6599.00†	0.000	359.514	6599.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Cherry Canyon
6623.00†	0.000	359.514	6623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6723.00†	0.000	359.514	6723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6823.00†	0.000	359.514	6823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
6923.00†	0.000	359.514	6923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7023.00†	0.000	359.514	7023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7123.00†	0.000	359.514	7123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7223.00†	0.000	359.514	7223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7323.00†	0.000	359.514	7323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7423.00†	0.000	359.514	7423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7523.00†	0.000	359.514	7523.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7623.00†	0.000	359.514	7623.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7723.00†	0.000	359.514	7723.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7822.00†	0.000	359.514	7822.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Brushy Canyon
7823.00†	0.000	359.514	7823.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
7923.00†	0.000	359.514	7923.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
8023.00†	0.000	359.514	8023.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
8123.00†	0.000	359.514	8123.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
8223.00†	0.000	359.514	8223.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
8323.00†	0.000	359.514	8323.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	



Planned Wellpath Report

Rev-A.0
Page 5 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8423.00†	0.000	359.514	8423.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	
8490.00	0.000	359.514	8490.00	0.00	0.00	0.00	826566.94	373129.80	32°01'20.908"N	103°24'46.785"W	0.00	Est KOP
8523.00†	3.300	359.514	8522.98	0.95	0.95	-0.01	826566.93	373130.75	32°01'20.917"N	103°24'46.785"W	10.00	
8623.00†	13.299	359.514	8621.81	15.37	15.37	-0.13	826566.81	373145.17	32°01'21.060"N	103°24'46.785"W	10.00	
8723.00†	23.298	359.514	8716.63	46.72	46.72	-0.40	826566.54	373175.52	32°01'21.370"N	103°24'46.785"W	10.00	
8760.99†	27.097	359.514	8751.00	62.89	62.89	-0.53	826566.41	373192.69	32°01'21.530"N	103°24'46.785"W	10.00	Brushy Canyon "B"
8823.00†	33.298	359.514	8804.57	94.07	94.07	-0.80	826566.14	373223.87	32°01'21.839"N	103°24'46.785"W	10.00	
8923.00†	43.297	359.514	8882.95	155.96	155.96	-1.32	826565.62	373285.76	32°01'22.451"N	103°24'46.785"W	10.00	
8949.77†	45.974	359.514	8902.00	174.77	174.77	-1.48	826565.46	373304.57	32°01'22.637"N	103°24'46.785"W	10.00	Brushy Canyon "C"
9023.00†	50.296	359.514	8949.99	230.53	230.52	-1.96	826564.99	373360.32	32°01'23.189"N	103°24'46.785"W	10.00	
9059.02†	56.898	359.514	8970.00	260.06	260.05	-2.21	826564.73	373389.86	32°01'23.481"N	103°24'46.785"W	10.00	Brushy Canyon "D"
9123.00†	63.295	359.514	9001.88	315.50	315.49	-2.68	826564.26	373445.29	32°01'24.030"N	103°24'46.785"W	10.00	
9223.00†	73.295	359.514	9038.82	408.29	408.28	-3.46	826563.48	373538.08	32°01'24.948"N	103°24'46.785"W	10.00	
9323.00†	83.294	359.514	9059.08	506.09	506.07	-4.29	826562.65	373635.87	32°01'25.916"N	103°24'46.785"W	10.00	
9390.00†	90.000	359.514	9063.00	573.00	572.98	-4.86	826562.08	373702.78	32°01'26.578"N	103°24'46.785"W	0.00	
9423.00†	90.000	359.514	9063.00	605.93	605.91	-5.14	826561.80	373735.71	32°01'26.904"N	103°24'46.785"W	0.00	
9523.00†	90.000	359.514	9063.00	705.93	705.91	-5.99	826560.95	373835.71	32°01'27.894"N	103°24'46.785"W	0.00	
9623.00†	90.000	359.514	9063.00	805.93	805.90	-6.84	826560.10	373935.71	32°01'28.883"N	103°24'46.785"W	0.00	
9723.00†	90.000	359.514	9063.00	905.93	905.90	-7.68	826559.26	374035.70	32°01'29.873"N	103°24'46.785"W	0.00	
9823.00†	90.000	359.514	9063.00	1005.93	1005.90	-8.53	826558.41	374135.70	32°01'30.862"N	103°24'46.785"W	0.00	
9923.00†	90.000	359.514	9063.00	1105.93	1105.89	-9.38	826557.56	374235.70	32°01'31.852"N	103°24'46.785"W	0.00	
10023.00†	90.000	359.514	9063.00	1205.93	1205.89	-10.23	826556.71	374335.69	32°01'32.841"N	103°24'46.784"W	0.00	
10123.00†	90.000	359.514	9063.00	1305.93	1305.89	-11.08	826555.86	374435.69	32°01'33.831"N	103°24'46.784"W	0.00	
10223.00†	90.000	359.514	9063.00	1405.93	1405.88	-11.93	826555.02	374535.68	32°01'34.820"N	103°24'46.784"W	0.00	
10323.00†	90.000	359.514	9063.00	1505.93	1505.88	-12.77	826554.17	374635.68	32°01'35.810"N	103°24'46.784"W	0.00	
10423.00†	90.000	359.514	9063.00	1605.93	1605.88	-13.62	826553.32	374735.68	32°01'36.799"N	103°24'46.784"W	0.00	
10523.00†	90.000	359.514	9063.00	1705.93	1705.87	-14.47	826552.47	374835.67	32°01'37.789"N	103°24'46.784"W	0.00	
10623.00†	90.000	359.514	9063.00	1805.93	1805.87	-15.32	826551.62	374935.67	32°01'38.779"N	103°24'46.784"W	0.00	
10723.00†	90.000	359.514	9063.00	1905.93	1905.87	-16.17	826550.77	375035.67	32°01'39.768"N	103°24'46.784"W	0.00	
10823.00†	90.000	359.514	9063.00	2005.93	2005.86	-17.01	826549.93	375135.66	32°01'40.758"N	103°24'46.784"W	0.00	



Planned Wellpath Report

Rev-A.0
Page 6 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10923.00†	90.000	359.514	9063.00	2105.93	2105.86	-17.86	826549.08	375235.66	32°01'41.747"N	103°24'46.784"W	0.00	
11023.00†	90.000	359.514	9063.00	2205.93	2205.85	-18.71	826548.23	375335.66	32°01'42.737"N	103°24'46.784"W	0.00	
11123.00†	90.000	359.514	9063.00	2305.93	2305.85	-19.56	826547.38	375435.65	32°01'43.726"N	103°24'46.784"W	0.00	
11223.00†	90.000	359.514	9063.00	2405.93	2405.85	-20.41	826546.53	375535.65	32°01'44.716"N	103°24'46.784"W	0.00	
11323.00†	90.000	359.514	9063.00	2505.93	2505.84	-21.26	826545.68	375635.65	32°01'45.705"N	103°24'46.784"W	0.00	
11423.00†	90.000	359.514	9063.00	2605.93	2605.84	-22.10	826544.84	375735.64	32°01'46.695"N	103°24'46.784"W	0.00	
11523.00†	90.000	359.514	9063.00	2705.93	2705.84	-22.95	826543.99	375835.64	32°01'47.684"N	103°24'46.784"W	0.00	
11623.00†	90.000	359.514	9063.00	2805.93	2805.83	-23.80	826543.14	375935.63	32°01'48.674"N	103°24'46.784"W	0.00	
11723.00†	90.000	359.514	9063.00	2905.93	2905.83	-24.65	826542.29	376035.63	32°01'49.664"N	103°24'46.784"W	0.00	
11823.00†	90.000	359.514	9063.00	3005.93	3005.83	-25.50	826541.44	376135.63	32°01'50.653"N	103°24'46.784"W	0.00	
11923.00†	90.000	359.514	9063.00	3105.93	3105.82	-26.34	826540.60	376235.62	32°01'51.643"N	103°24'46.784"W	0.00	
12023.00†	90.000	359.514	9063.00	3205.93	3205.82	-27.19	826539.75	376335.62	32°01'52.632"N	103°24'46.784"W	0.00	
12123.00†	90.000	359.514	9063.00	3305.93	3305.81	-28.04	826538.90	376435.62	32°01'53.622"N	103°24'46.784"W	0.00	
12223.00†	90.000	359.514	9063.00	3405.93	3405.81	-28.89	826538.05	376535.61	32°01'54.611"N	103°24'46.784"W	0.00	
12323.00†	90.000	359.514	9063.00	3505.93	3505.81	-29.74	826537.20	376635.61	32°01'55.601"N	103°24'46.784"W	0.00	
12423.00†	90.000	359.514	9063.00	3605.93	3605.80	-30.59	826536.35	376735.61	32°01'56.590"N	103°24'46.783"W	0.00	
12523.00†	90.000	359.514	9063.00	3705.93	3705.80	-31.43	826535.51	376835.60	32°01'57.580"N	103°24'46.783"W	0.00	
12623.00†	90.000	359.514	9063.00	3805.93	3805.80	-32.28	826534.66	376935.60	32°01'58.569"N	103°24'46.783"W	0.00	
12723.00†	90.000	359.514	9063.00	3905.93	3905.79	-33.13	826533.81	377035.60	32°01'59.559"N	103°24'46.783"W	0.00	
12823.00†	90.000	359.514	9063.00	4005.93	4005.79	-33.98	826532.96	377135.59	32°02'00.549"N	103°24'46.783"W	0.00	
12923.00†	90.000	359.514	9063.00	4105.93	4105.79	-34.83	826532.11	377235.59	32°02'01.538"N	103°24'46.783"W	0.00	
13023.00†	90.000	359.514	9063.00	4205.93	4205.78	-35.68	826531.27	377335.58	32°02'02.528"N	103°24'46.783"W	0.00	
13123.00†	90.000	359.514	9063.00	4305.93	4305.78	-36.52	826530.42	377435.58	32°02'03.517"N	103°24'46.783"W	0.00	
13223.00†	90.000	359.514	9063.00	4405.93	4405.78	-37.37	826529.57	377535.58	32°02'04.507"N	103°24'46.783"W	0.00	
13323.00†	90.000	359.514	9063.00	4505.93	4505.77	-38.22	826528.72	377635.57	32°02'05.496"N	103°24'46.783"W	0.00	
13423.00†	90.000	359.514	9063.00	4605.93	4605.77	-39.07	826527.87	377735.57	32°02'06.486"N	103°24'46.783"W	0.00	
13523.00†	90.000	359.514	9063.00	4705.93	4705.76	-39.92	826527.02	377835.57	32°02'07.475"N	103°24'46.783"W	0.00	
13623.00†	90.000	359.514	9063.00	4805.93	4805.76	-40.76	826526.18	377935.56	32°02'08.465"N	103°24'46.783"W	0.00	
13723.00†	90.000	359.514	9063.00	4905.93	4905.76	-41.61	826525.33	378035.56	32°02'09.454"N	103°24'46.783"W	0.00	
13823.00†	90.000	359.514	9063.00	5005.93	5005.75	-42.46	826524.48	378135.56	32°02'10.444"N	103°24'46.783"W	0.00	



Planned Wellpath Report

Rev-A.0

Page 7 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

WELLPATH DATA (171 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13923.00†	90.000	359.514	9063.00	5105.93	5105.75	-43.31	826523.63	378235.55	32°02'11.434"N	103°24'46.783"W	0.00	
14023.00†	90.000	359.514	9063.00	5205.93	5205.75	-44.16	826522.78	378335.55	32°02'12.423"N	103°24'46.783"W	0.00	
14123.00†	90.000	359.514	9063.00	5305.93	5305.74	-45.01	826521.94	378435.55	32°02'13.413"N	103°24'46.783"W	0.00	
14223.00†	90.000	359.514	9063.00	5405.93	5405.74	-45.85	826521.09	378535.54	32°02'14.402"N	103°24'46.783"W	0.00	
14323.00†	90.000	359.514	9063.00	5505.93	5505.74	-46.70	826520.24	378635.54	32°02'15.392"N	103°24'46.783"W	0.00	
14423.00†	90.000	359.514	9063.00	5605.93	5605.73	-47.55	826519.39	378735.53	32°02'16.381"N	103°24'46.783"W	0.00	
14523.00†	90.000	359.514	9063.00	5705.93	5705.73	-48.40	826518.54	378835.53	32°02'17.371"N	103°24'46.783"W	0.00	
14623.00†	90.000	359.514	9063.00	5805.93	5805.72	-49.25	826517.69	378935.53	32°02'18.360"N	103°24'46.782"W	0.00	
14723.00†	90.000	359.514	9063.00	5905.93	5905.72	-50.09	826516.85	379035.52	32°02'19.350"N	103°24'46.782"W	0.00	
14823.00†	90.000	359.514	9063.00	6005.93	6005.72	-50.94	826516.00	379135.52	32°02'20.340"N	103°24'46.782"W	0.00	
14923.00†	90.000	359.514	9063.00	6105.93	6105.71	-51.79	826515.15	379235.52	32°02'21.329"N	103°24'46.782"W	0.00	
15023.00†	90.000	359.514	9063.00	6205.93	6205.71	-52.64	826514.30	379335.51	32°02'22.318"N	103°24'46.782"W	0.00	
15123.00†	90.000	359.514	9063.00	6305.93	6305.71	-53.49	826513.45	379435.51	32°02'23.308"N	103°24'46.782"W	0.00	
15223.00†	90.000	359.514	9063.00	6405.93	6405.70	-54.34	826512.60	379535.51	32°02'24.298"N	103°24'46.782"W	0.00	
15323.00†	90.000	359.514	9063.00	6505.93	6505.70	-55.18	826511.76	379635.50	32°02'25.287"N	103°24'46.782"W	0.00	
15423.00†	90.000	359.514	9063.00	6605.93	6605.70	-56.03	826510.91	379735.50	32°02'26.277"N	103°24'46.782"W	0.00	
15523.00†	90.000	359.514	9063.00	6705.93	6705.69	-56.88	826510.06	379835.50	32°02'27.266"N	103°24'46.782"W	0.00	
15623.00†	90.000	359.514	9063.00	6805.93	6805.69	-57.73	826509.21	379935.49	32°02'28.256"N	103°24'46.782"W	0.00	
15723.00†	90.000	359.514	9063.00	6905.93	6905.69	-58.58	826508.36	380035.49	32°02'29.245"N	103°24'46.782"W	0.00	
15823.00†	90.000	359.514	9063.00	7005.93	7005.68	-59.42	826507.52	380135.48	32°02'30.235"N	103°24'46.782"W	0.00	
15827.07	90.000	359.514	9063.00†	7010.00	7009.75	-59.46	826507.48	380139.55	32°02'30.275"N	103°24'46.782"W	0.00	No.2H PBHL



Planned Wellpath Report

Rev-A.0
Page 8 of 8

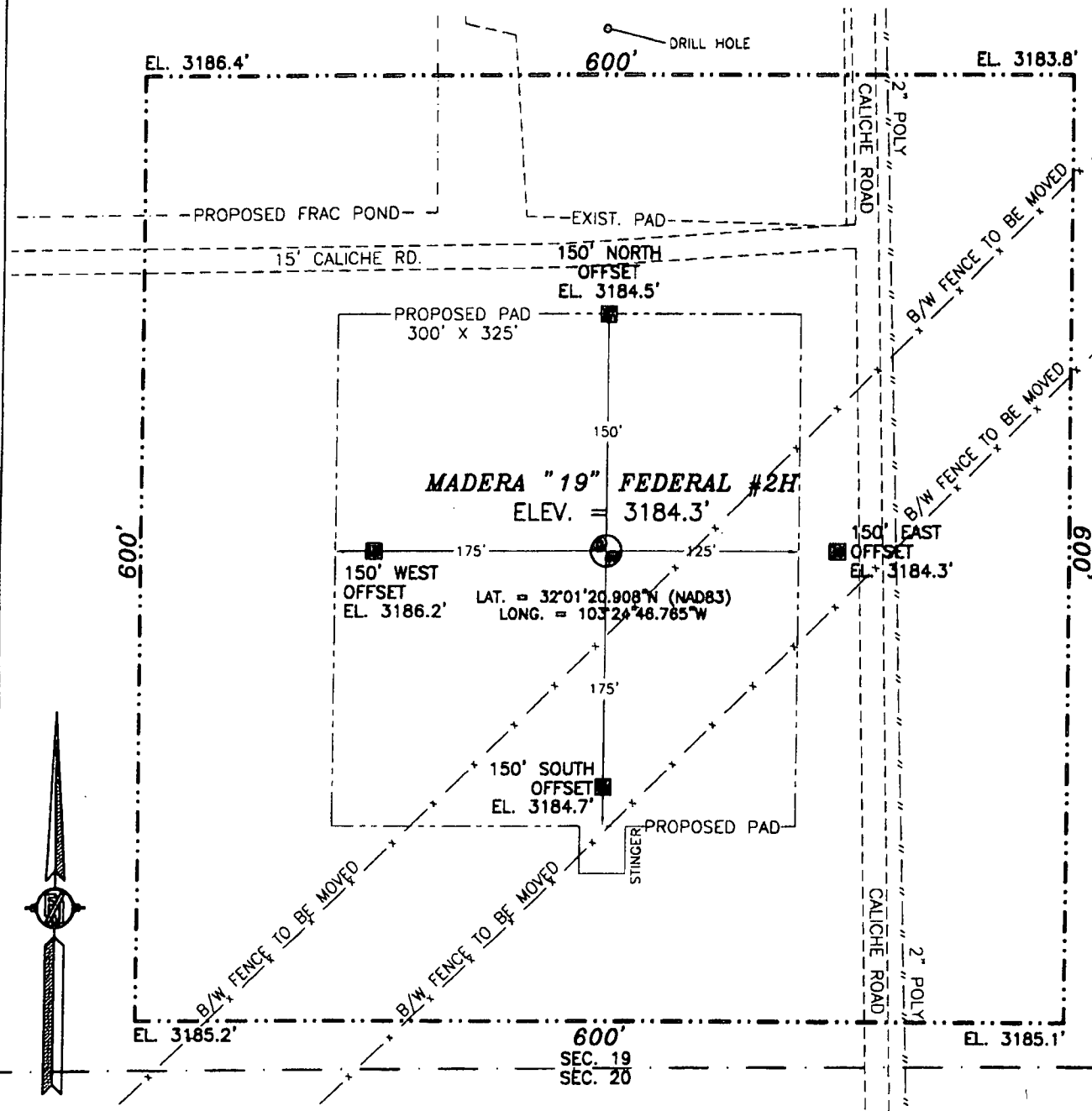


REFERENCE WELLPATH IDENTIFICATION			
Operator	Red Mountain Resources	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Madera)	Wellbore	No.2H PWB
Facility	Madera 19 Federal No.2H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Madera 19 Fed No.2H PBHL	15827.07	9063.00	7009.75	-59.46	826507.48	380139.55	32°02'30.275"N	103°24'46.782"W	point

SURVEY PROGRAM - Ref Wellbore: No.2H PWB Ref Wellpath: Rev-A.0				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
23.00	15827.07	NaviTrak (Standard)		No.2H PWB

SECTION 19, TOWNSHIP 26 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM JAL NM, FROM STATE HWY. 128 AND STATE ROAD 205 (THIRD STREET) GO SOUTH ON SR 205 8.2 MILES TURN RIGHT ON CALICHE ROAD (BECHAM RD.) AND GO WEST 5.2 MILES TURN RIGHT AND GO NORTH THEN NW 4.3 MILES TURN LEFT AND GO SOUTH 0.37 MILES TO ROAD INTERSECTION AND LOCATION IS SOUTHWEST 280°.

RMR OPERATING, LLC
MADERA "19" FEDERAL #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 19, TOWNSHIP 26 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 871A

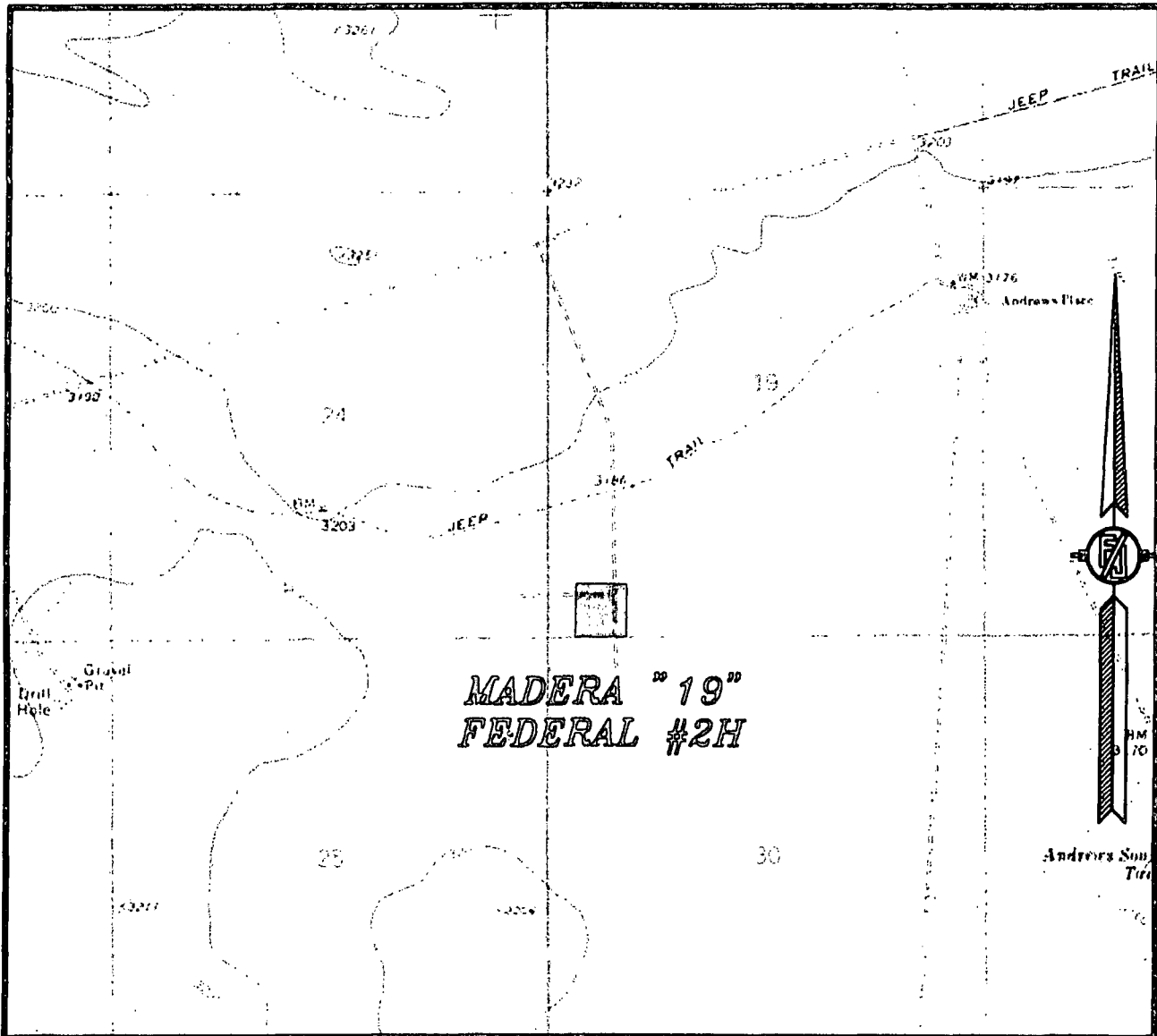
FEBRUARY 28, 2013

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 19, TOWNSHIP 26 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
ANDREWS PLACE

NOT TO SCALE

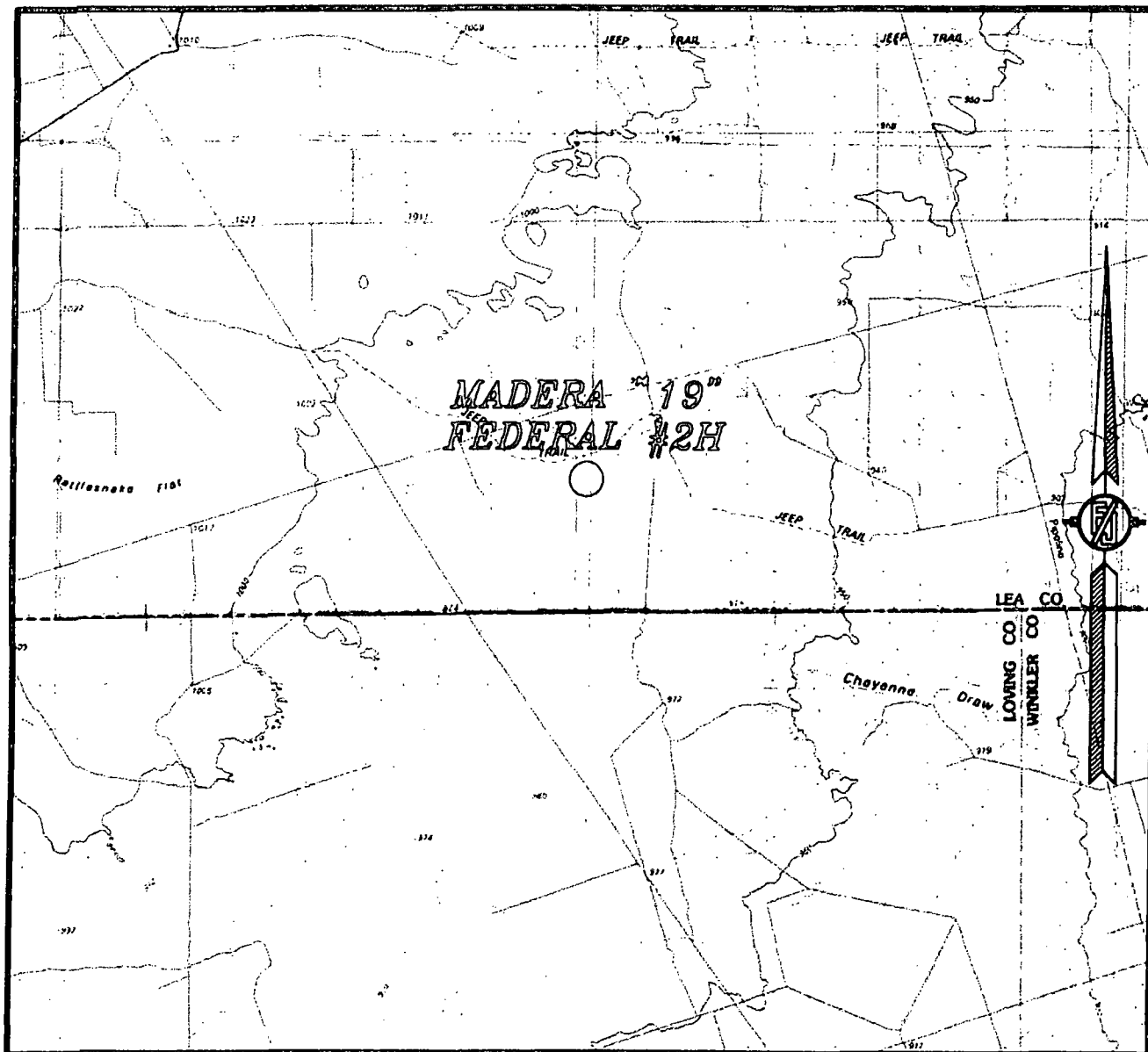
RMR OPERATING, LLC
MADERA "19" FEDERAL #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 19, TOWNSHIP 26 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

FEBRUARY 28, 2013

SURVEY NO. 871A

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

SECTION 19, TOWNSHIP 26 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

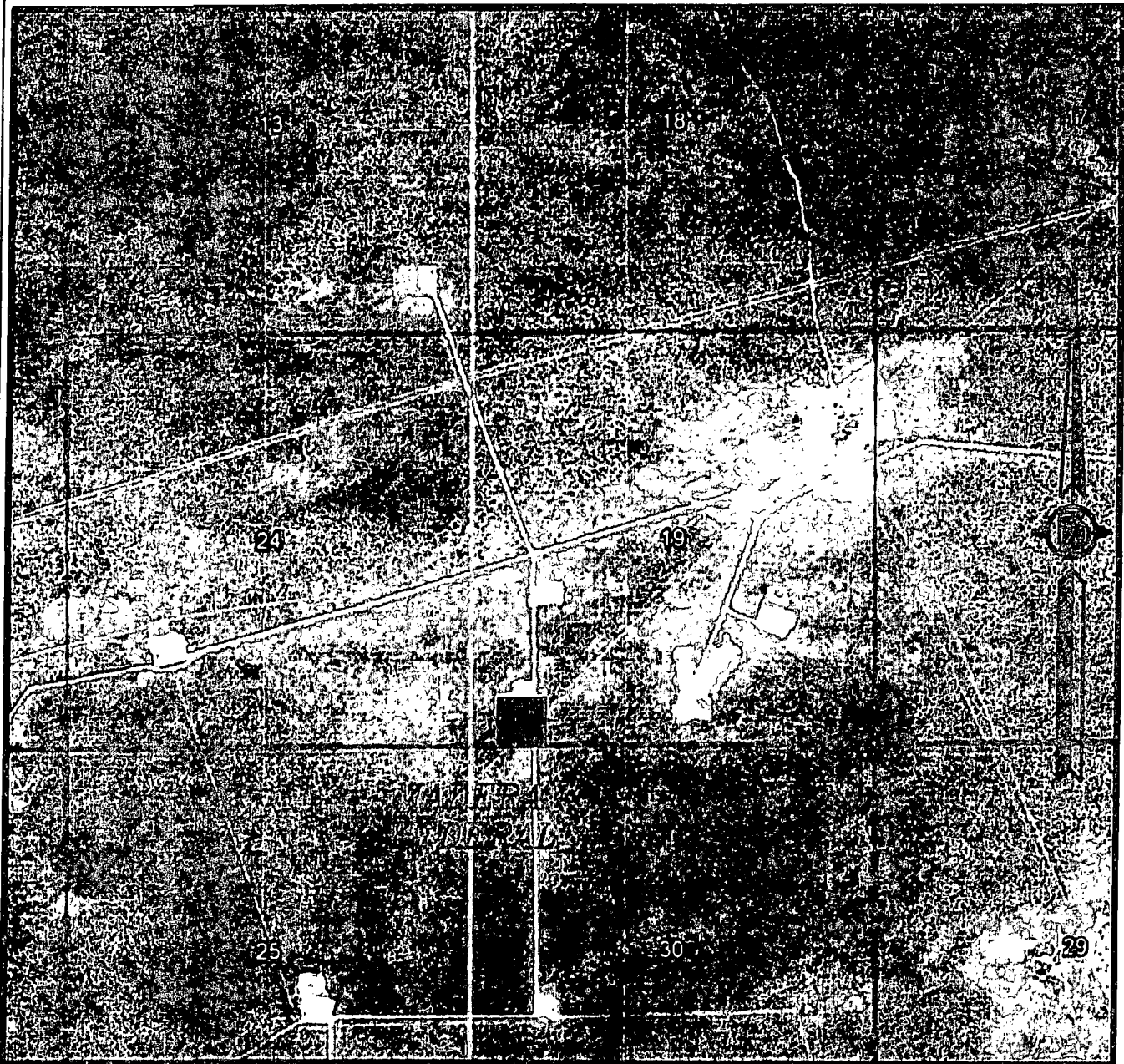
RMR OPERATING, LLC
MADERA "19" FEDERAL #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 19, TOWNSHIP 26 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

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SECTION 19, TOWNSHIP 26 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MAY 2011

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