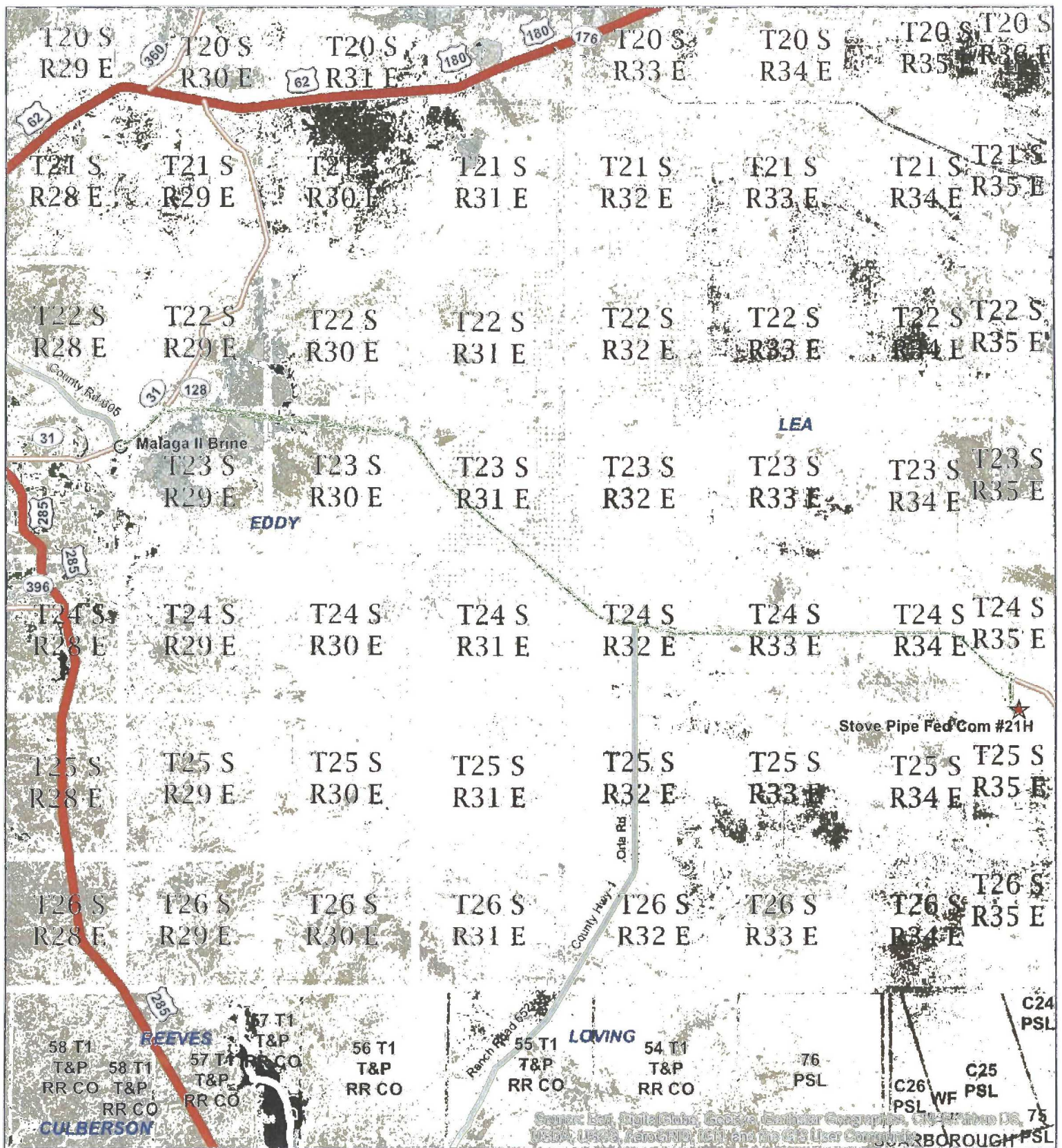




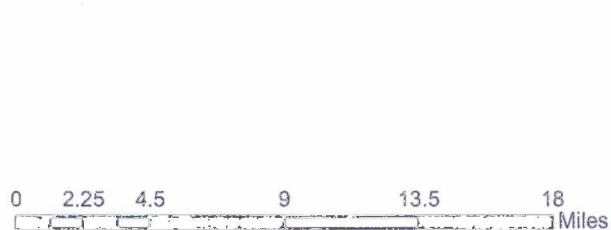


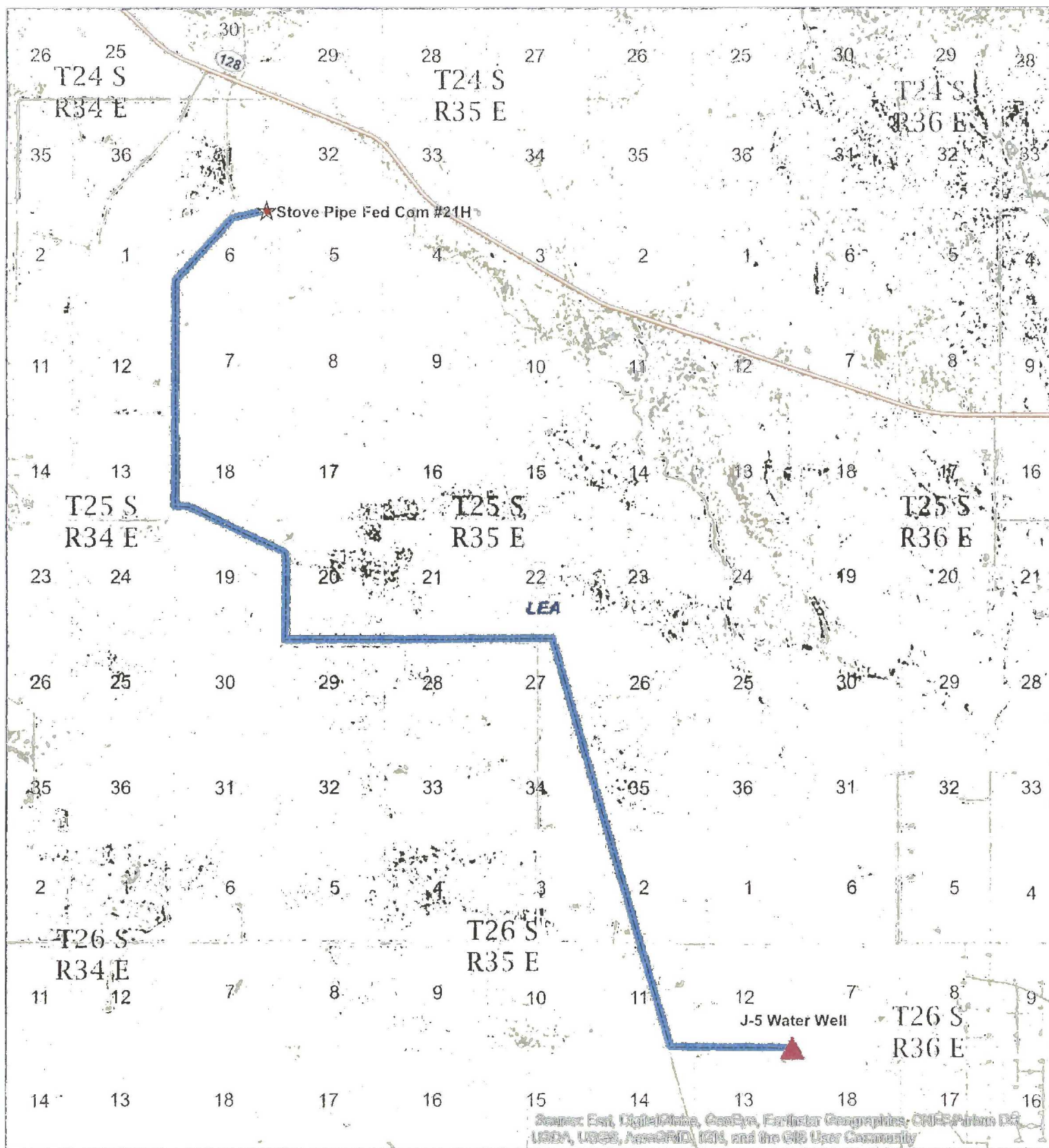
**StovePipe Fed Com #21H
To Malaga II Brine**

Date: 1/8/2017
Author: Whitney McDonald
State: New Mexico
County: Eddy
Disclaimer: This is not a legal survey document.

Map Legend

 Route





CONCHO

**Stove Pipe Fed Com #21H
Water Transfer Route**

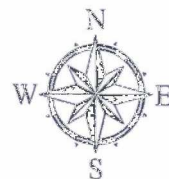
Date: 1/9/2017
 Author: Whyte McDonald
 State: New Mexico
 County: Sandoz
 Disclaimer: This is not a legal survey document

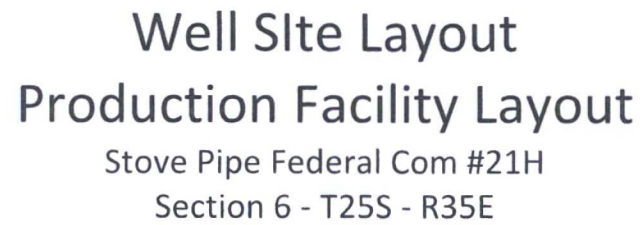
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Map Legend

Route

0 0.5 1 2 3 4 Miles





Section 9 - Tank Battery Road

400'

40'

65'

370'

Stove Pipe Fed Com #21H

Proposed
Stove Pipe Fed Com #1H

65'

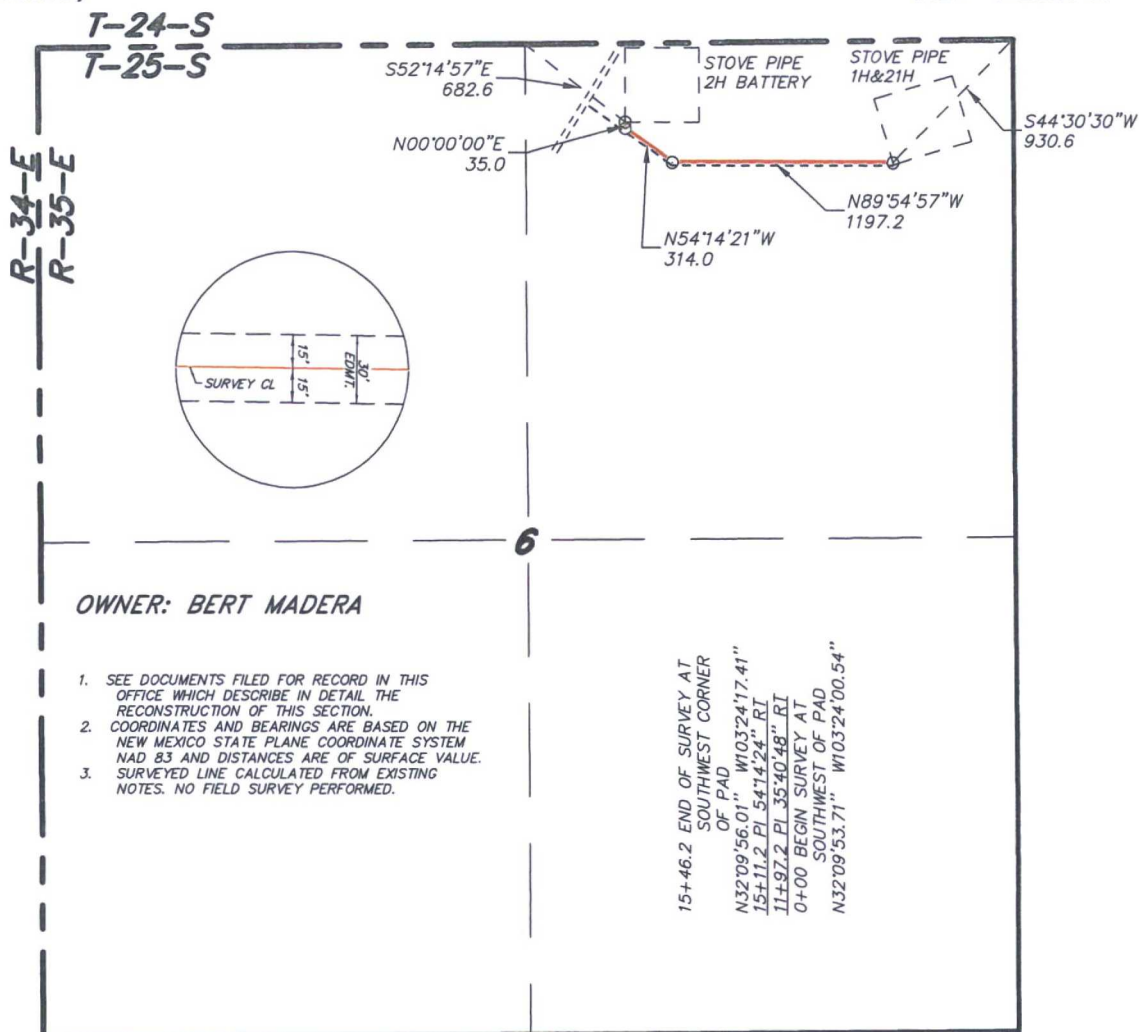
Reclaimed Area

North

Access Road to Tank Battery located at the Stove Pipe Fed Com #2H location .

Topsoil will be stockpiled on the south side.

SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



OWNER: BERT MADERA

1. SEE DOCUMENTS FILED FOR RECORD IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THIS SECTION.
2. COORDINATES AND BEARINGS ARE BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM NAD 83 AND DISTANCES ARE OF SURFACE VALUE.
3. SURVEYED LINE CALCULATED FROM EXISTING NOTES. NO FIELD SURVEY PERFORMED.

15+46.2 END OF SURVEY AT
SOUTHWEST CORNER
OF PAD
N32°09'56.01\" W103°24'17.41\"
15+11.2 PL 54°14'24\" RI
11+97.2 PL 35°40'48\" RI
0+00 BEGIN SURVEY AT
SOUTHWEST OF PAD
N32°09'53.71\" W103°24'00.54\"

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES S44°30'30\"W., 930.6 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 6; THENCE N89°54'57\"W., 1197.2 FEET; THENCE N54°14'21\"W., 314.0 FEET; THENCE N00°00'00\"E., 35.0 FEET TO THE END OF THIS LINE WHICH LIES S52°14'57\"E., 682.6 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 6. SAID STRIP OF LAND BEING 1546.2 FEET OR 93.71 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS THE REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES, P.S.
LEA COUNTY, NEW MEXICO
No. 7977
No. 5074

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1000 0 1000 2000 FEET

COG OPERATING LLC

REF: PROPOSED STOVE PIPE FEDERAL COM 1H&21H TO 2H FLOW LINE

A PIPELINE LOCATED ON FEE LAND IN
SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

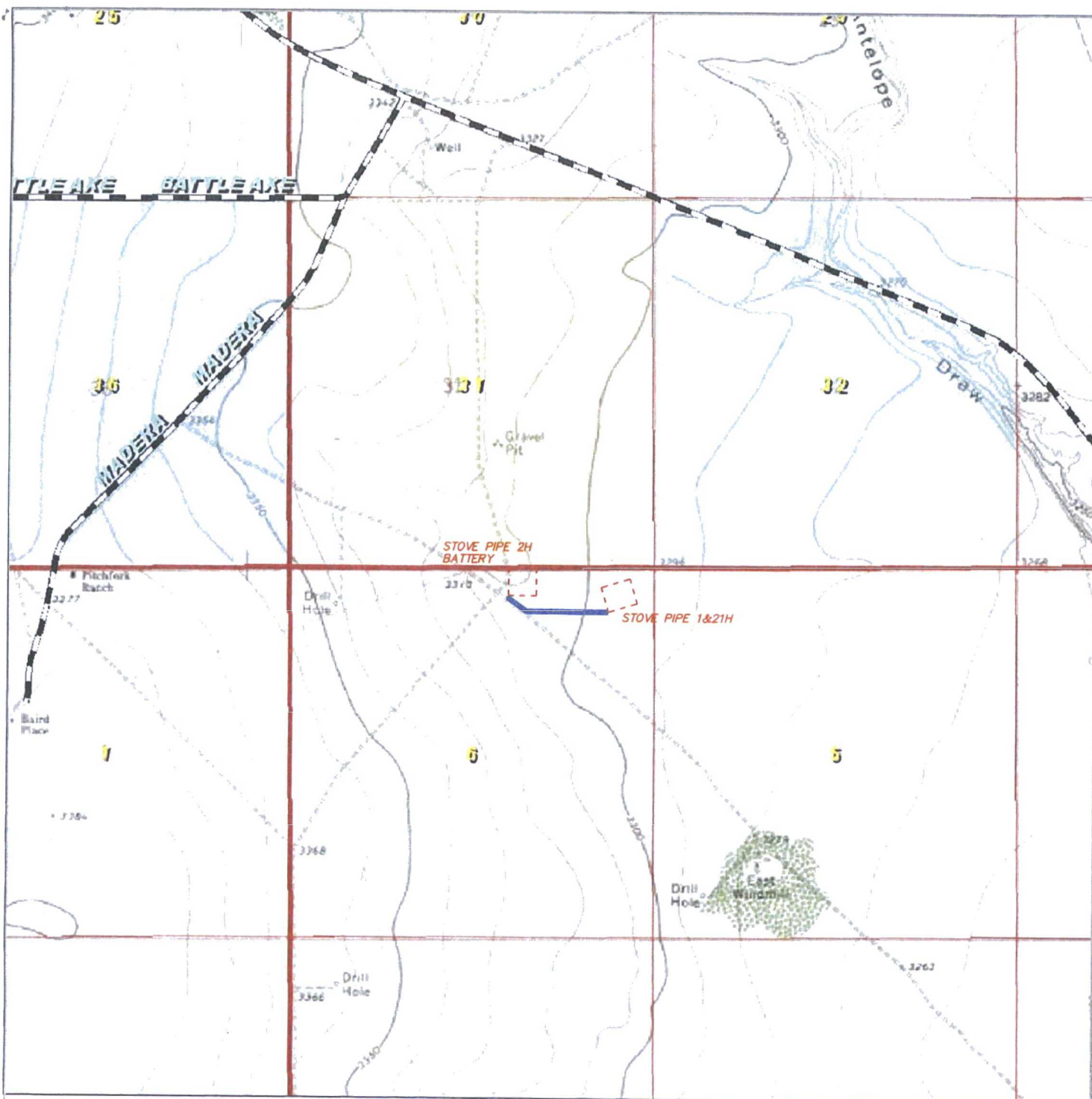
W.O. Number: 32587

Drawn By: J. GOAD

Date: 11-7-2016

Survey Date: 11-1-2016

Sheet 1 of 1 Sheets



PROPOSED STOVE PIPE FEDERAL COM 1H&21H TO 2H FLOW LINE

Section 6, Township 25 South, Range 35 East,
N.M.P.M., Lea County, New Mexico.



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0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

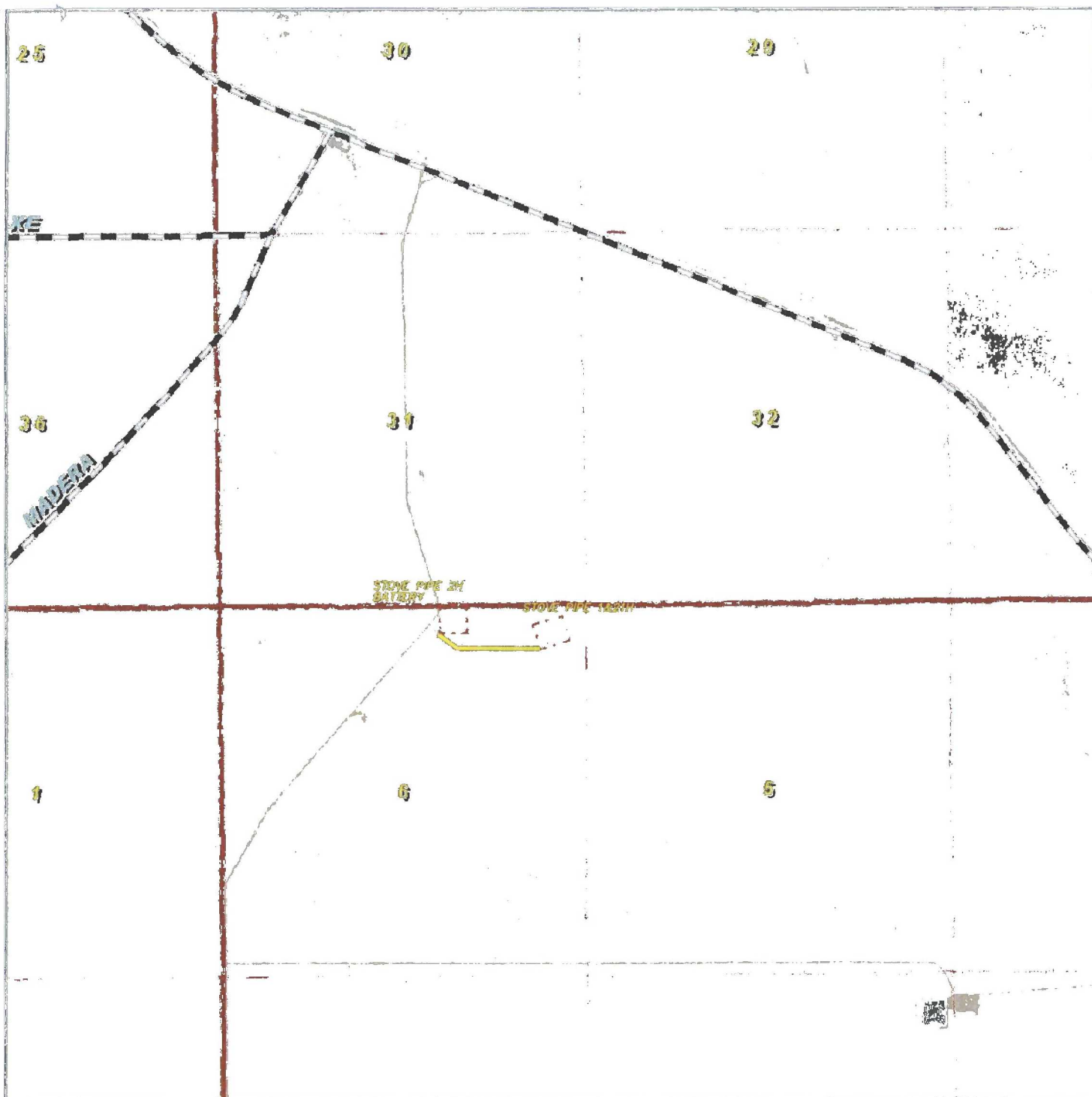
W.O. Number JG 3258"

Survey Date 11-1-2016

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND



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LLC**



PROPOSED STOVE PIPE FEDERAL COM 1H&21H TO 2H FLOW LINE
 Section 6, Township 25 South, Range 35 East,
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0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.G. Number: JG 32587

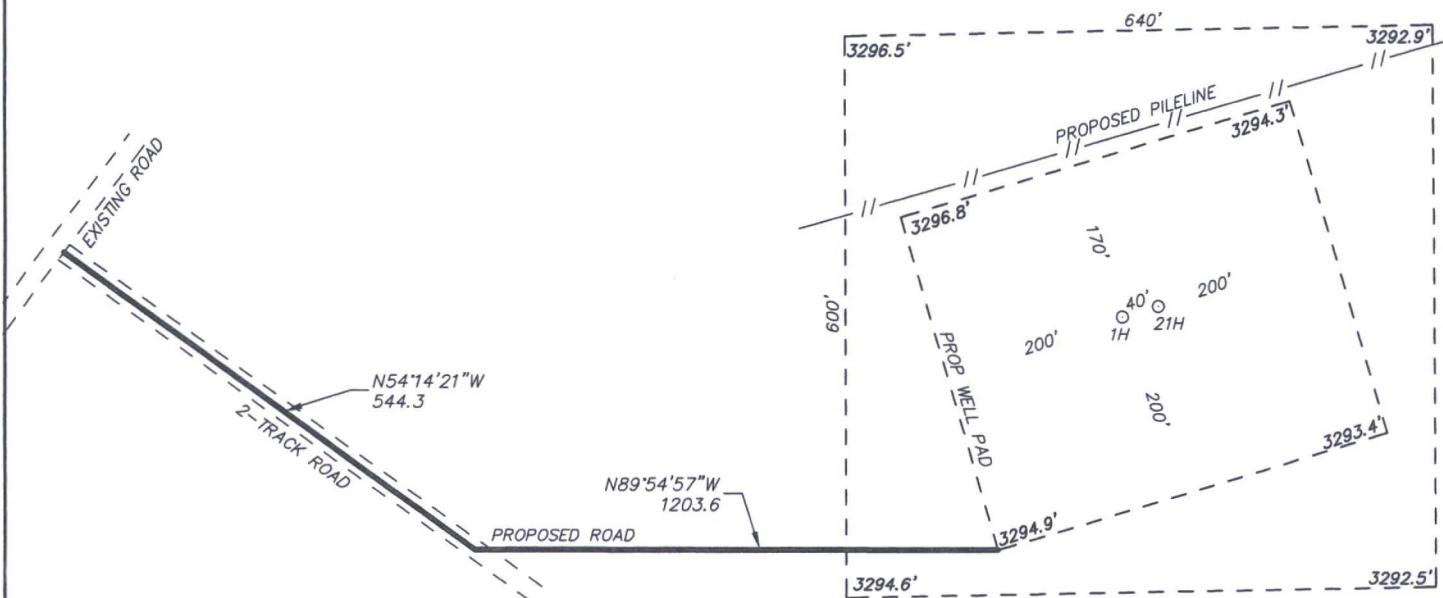
Survey Date: 11-1-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



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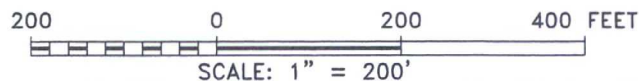
Section 6, Township 25 South, Range 35 East, N.M.P.M.,
LEA COUNTY,
NEW MEXICO.



COG OPERATING, LLC
STOVE PIPE FEDERAL COM 1H
ELEV. - 3295'

Lat - N 32.165601°
Long - W 103.399570°
NMSPCE - N 425234.4
E 830277.0
(NAD-83)
Lat - N 32.165445°
Long - W 103.399228°
NMSPCE - N 425164.5
E 789052.0
(NAD-27)

JAL, NM IS ±13 MILES TO THE SOUTHEAST OF LOCATION.



COG OPERATING, LLC

REF: STOVE PIPE FEDERAL COM 21H / WELL PAD TOPO

THE STOVE PIPE FEDERAL COM 21H LOCATED 409' FROM
THE NORTH LINE AND 476' FROM THE EAST LINE OF
SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST.

N.M.P.M., LEA COUNTY, NEW MEXICO.



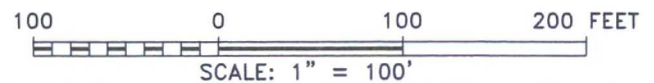
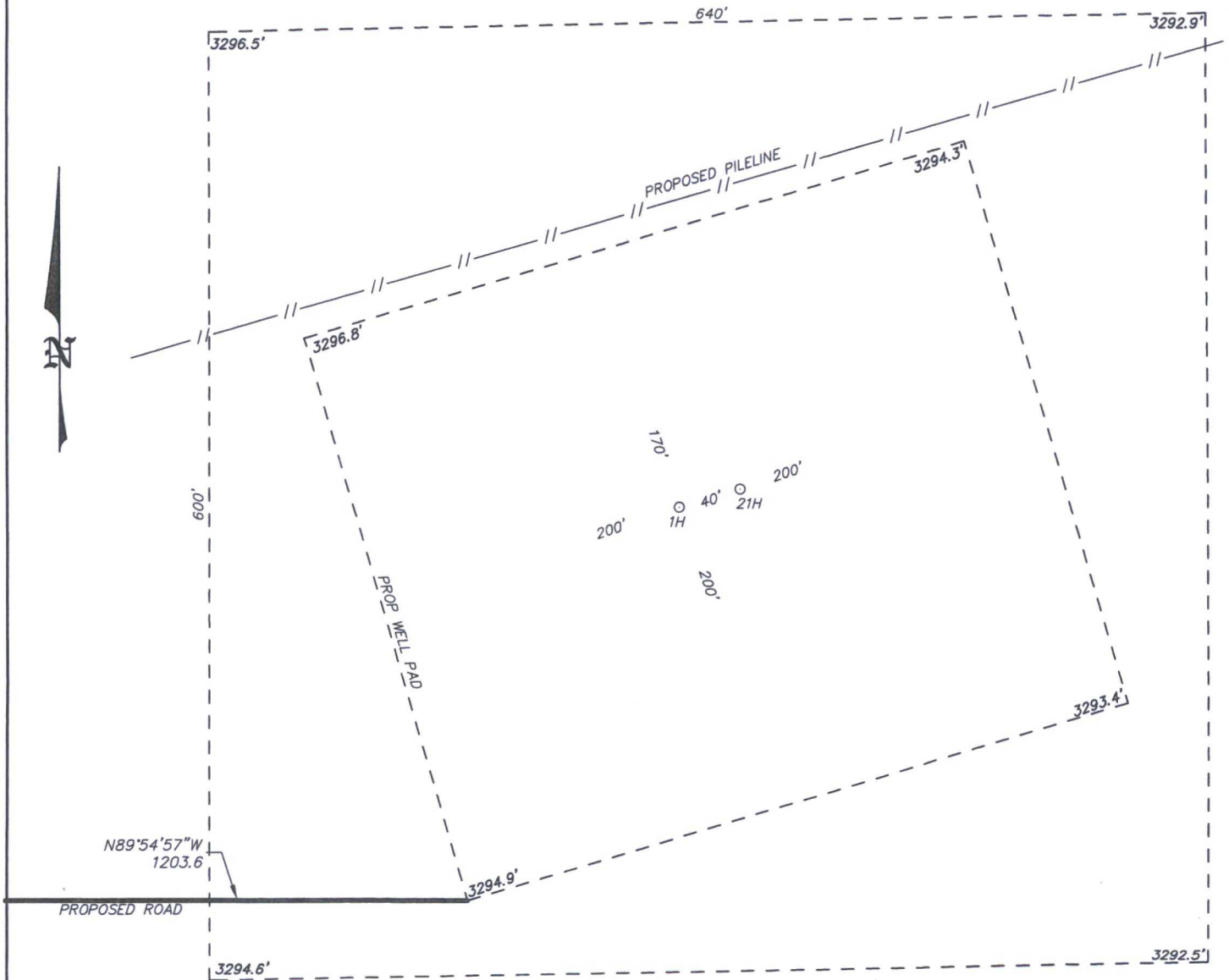
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W.O. Number: 32562 | Drawn By: J GOAD | Date: 11-7-2016 | Survey Date: 11-1-2016 | Sheet 1 of 1 Sheets

Section 6, Township 25 South, Range 35 East, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



COG OPERATING, LLC

REF: STOVE PIPE FEDERAL COM 21H / WELL PAD TOPO

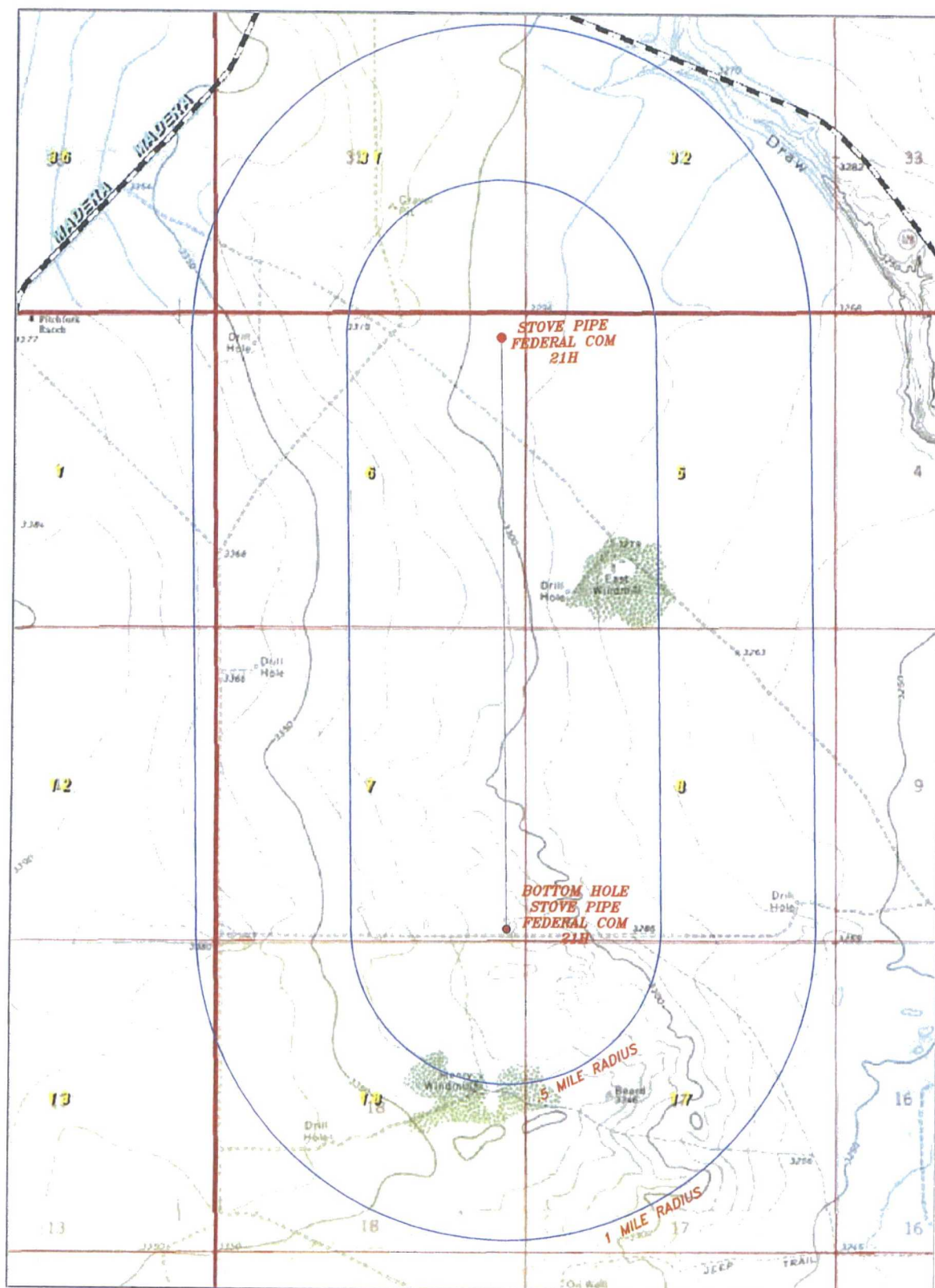
THE STOVE PIPE FEDERAL COM 21H LOCATED 409' FROM
THE NORTH LINE AND 476' FROM THE EAST LINE OF
SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST.

N.M.P.M., LEA COUNTY, NEW MEXICO.

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W.O. Number: 32562	Drawn By: J GOAD	Date: 11-7-2016	Survey Date: 11-1-2016	Sheet 1 of 1 Sheets
--------------------	------------------	-----------------	------------------------	---------------------



STOVE PIPE FEDERAL COM 21H AND BOTTOM HOLE LOCATION

Located 409' FNL and 476' FEL
 Section 6, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.

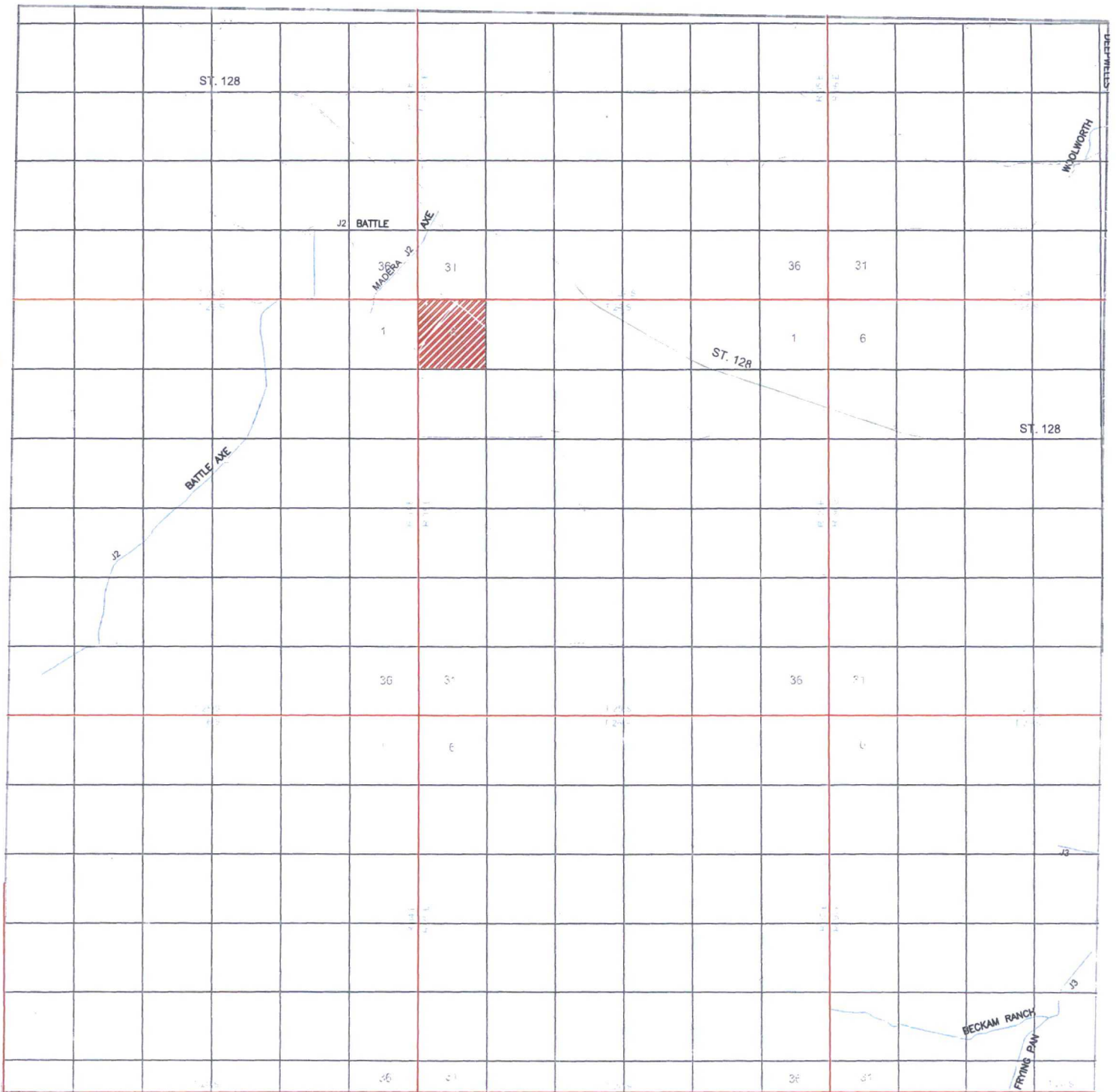


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 (575) 392-3206 - Fax
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0'	1000'	2000'	3000'	4000'
SCALE: 1" = 2000'				
W.O. Number		JN 32562		
Survey Date		11-1-2016		
YELLOW TINT - USA LAND				
BLUE TINT - STATE LAND				
NATURAL COLOR - FEE LAND				



**COG
 OPERATING,
 LLC**



STOVE PIPE FEDERAL COM 21H

Located 409' FNL and 476' FEL
Section 6, Township 25 South, Range 35 East,
N.M.P.M., Lea County, New Mexico.

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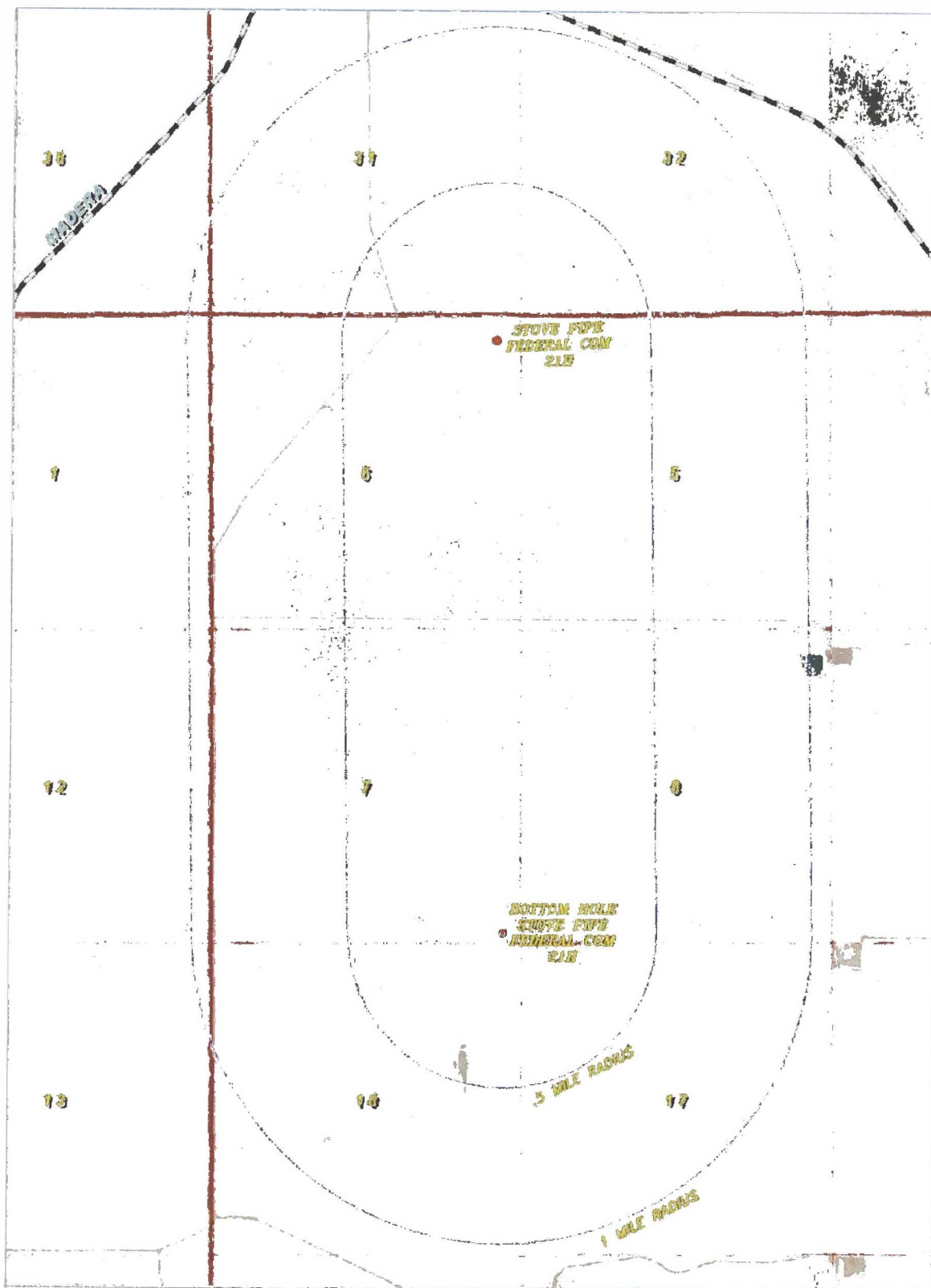
0 1 MI 2 MI 3 MI 4 MI
SCALE: 1" = 2 MILES

W.O. Number: JG 32502

Survey Date: 11-1-2016

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

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STOVE PIPE FEDERAL COM 21H AND BOTTOM HOLE LOCATION

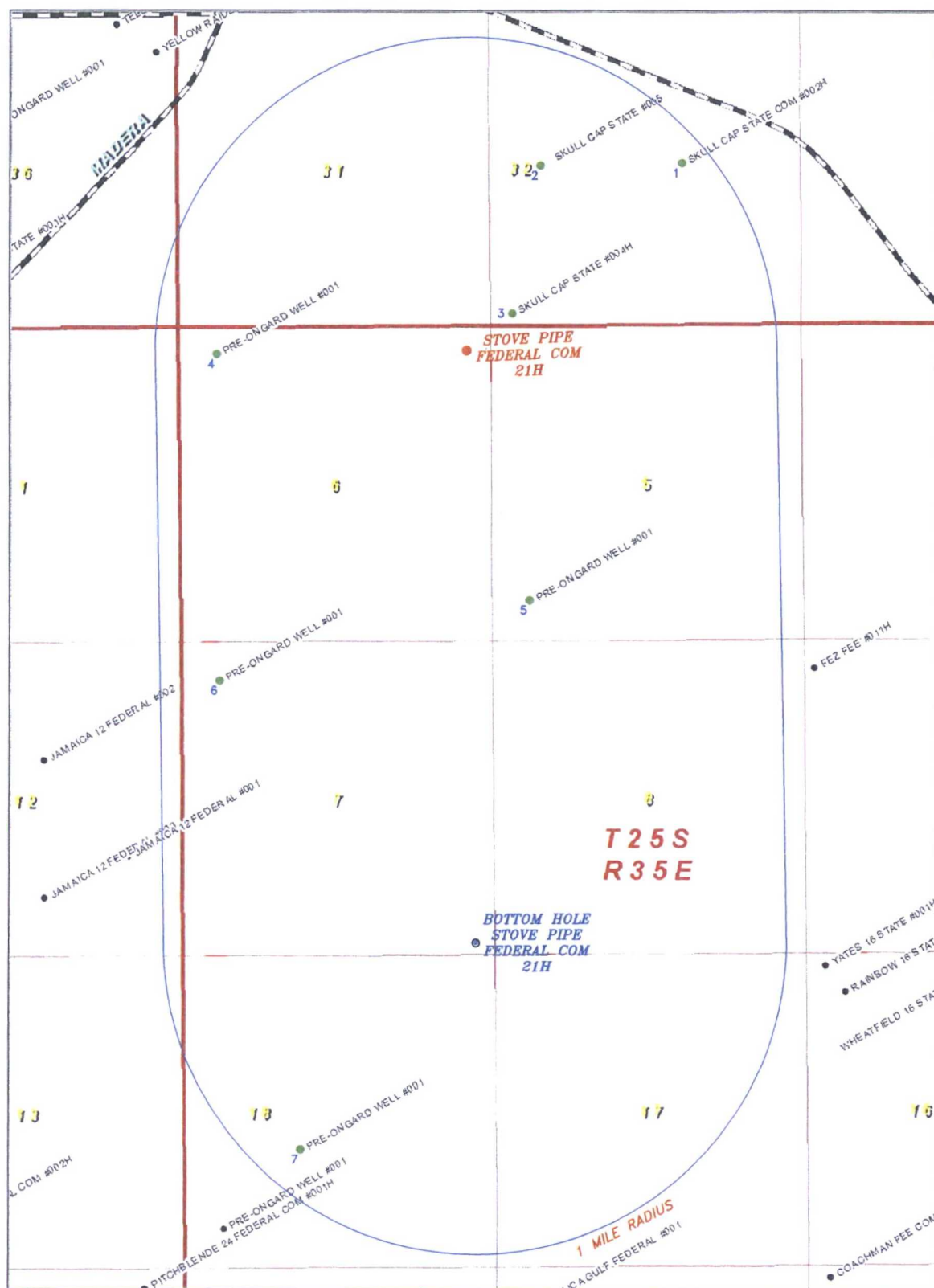
Located 409' FNL and 476' FEL
 Section 6, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.

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0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'
 A.G. Number JO 32562
 Survey Date 11-1-2016
 YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

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STOVE PIPE FEDERAL COM 21H AND BOTTOM HOLE LOCATION

Located 409' FNL and 476' FEL
 Section 6, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



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- SURFACE LOCATION
- BOTTOMHOLE
- WELLS WITHIN 1 MILE RADIUS

0' 1000' 2000' 3000' 4000'

SCALE: 1" = 2000'

W.C. Number 15 32562

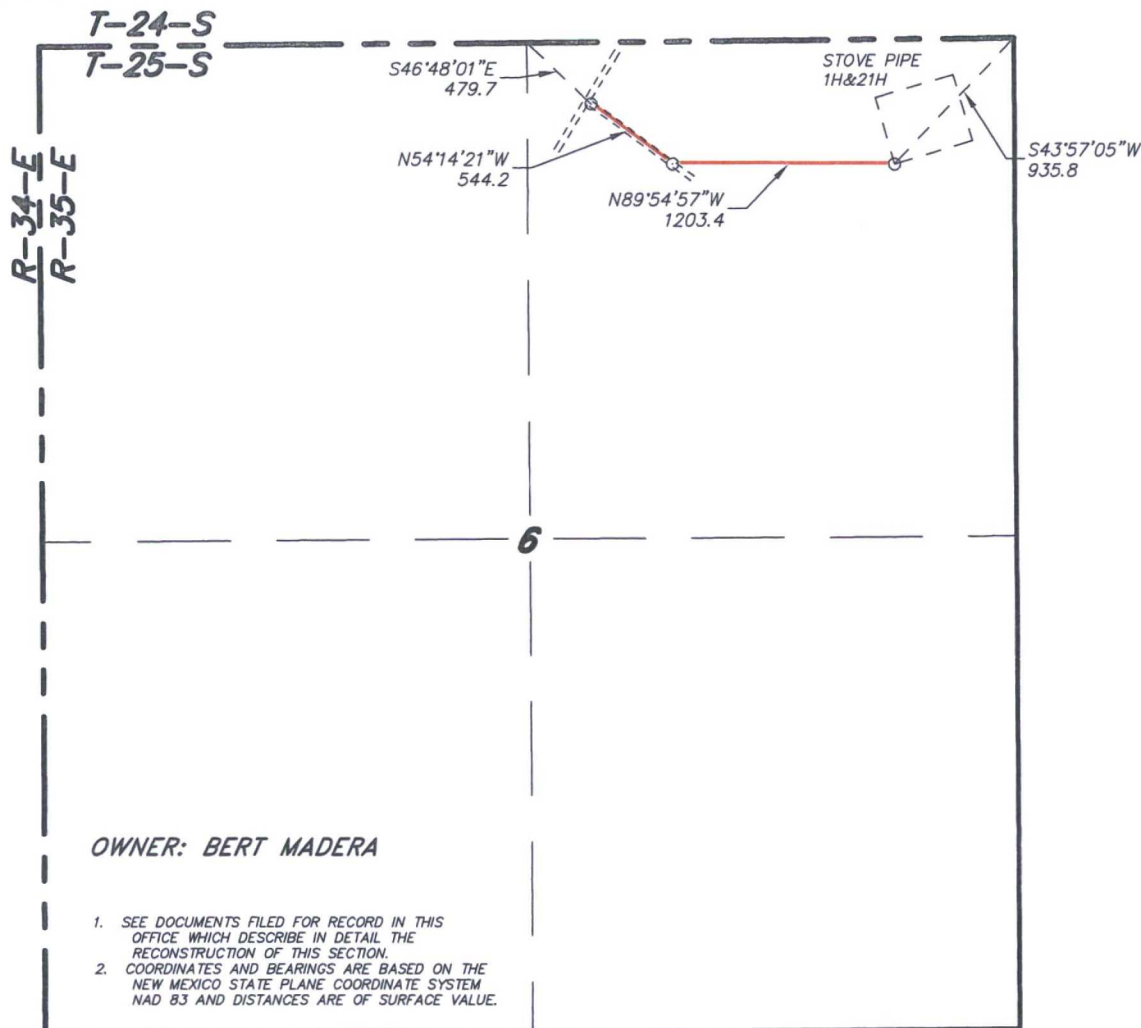
Survey Date: 11-1-2016

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 LLC

STOVE PIPE FEDERAL COM 21H

FD	Shape	Operator	Well Name	Latitude	Longitude	API	Section	Township	Range	FTG NS	NS CO	FTG EW	EW CD	TVD Depth	Compl Stat
1 Point		COG OPERATING LLC	SKULL CAP FEDERAL COM #002C	32.174080	-103.387380	3002542523	32	24.05	35E	2591 S	1980 E			0 Cancelled Apd	
2 Point		COG OPERATING LLC	SKULL CAP STATE #005C	32.174037	-103.395164	3002542178	32	24.05	35E	2611 N	880 W			0 Cancelled Apd	
3 Point		COG OPERATING LLC	SKULL CAP STATE #004C	32.167204	-103.396781	3002542179	32	24.05	35E	191 S	380 W			0 Cancelled Apd	
4 Point		PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	32.165436	-103.412994	3002521635	6	25.05	35E	460 N	660 W			5673 Plugged, Site Released	
5 Point		PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	32.153957	-103.395950	3002521255	5	25.05	35E	660 S	660 W			5600 Plugged, Site Released	
6 Point		PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	32.150364	-103.412979	3002521633	7	25.05	35E	660 N	660 W			5664 Plugged, Site Released	
7 Point		PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	32.128582	-103.408707	3002522431	18	25.05	35E	1980 S	1980 W			1105 Plugged, Site Released	

SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WHICH LIES S43°57'05"W., 935.8 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 6; THENCE N89°54'57"W., 1203.4 FEET; THENCE N54°14'21"W., 544.2 FEET TO THE END OF THIS LINE WHICH LIES S46°48'01"E., 479.7 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 6. SAID STRIP OF LAND BEING 1747.6 FEET OR 105.92 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES

PROFESSION

No. 7977
No. 5074

GARY L. JOHNSON
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A horizontal number line with tick marks every 100 units. The line is labeled with 1000, 0, 1000, and 2000 FEET. The segment from 0 to 1000 is shaded gray.

COG OPERATING LLC

REF: PROPOSED STOVE PIPE FEDERAL COM 1H&21H ROAD

A LEASE ROAD LOCATED ON FEE LAND IN
SECTION 6, TOWNSHIP 25 SOUTH, RANGE 35 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.