

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 745-1283 Fax: (505) 745-8720

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) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

HOBBS OCD

AUG 25 2014

RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42064	Pool Code 96229	Pool Name Mesa Verde; Bone Spring
Property Code 313618	Property Name MASTIFF FEDERAL	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3664.3'

Surface Location

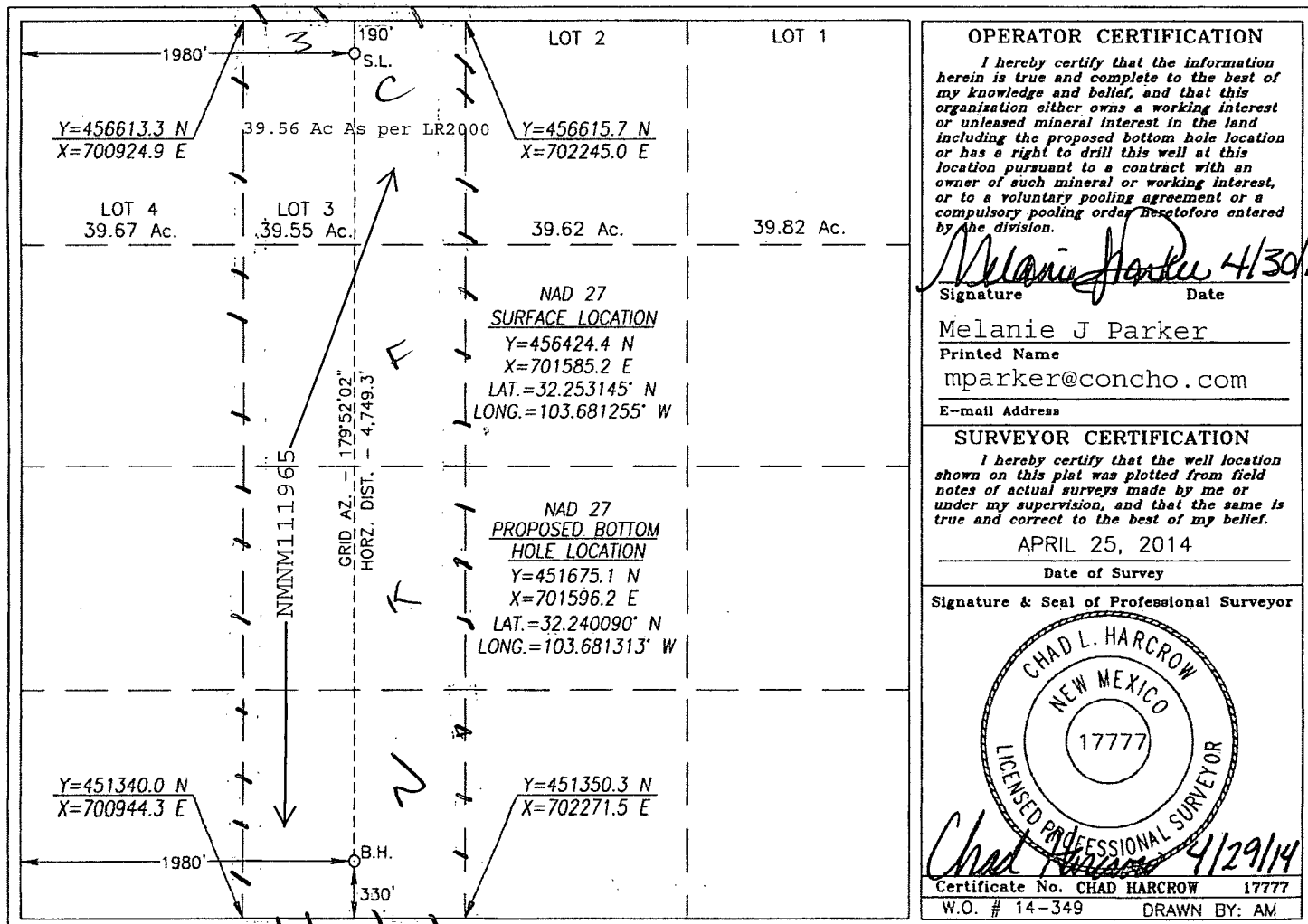
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	4	24-S	32-E		190	NORTH	1980	WEST	LEA ✓

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
N	4	24-S	32-E		330	SOUTH	1980	WEST	LEA ✓

Dedicated Acres 159.56 ✓	Joint or Infill	Consolidation Code	Order No.
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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



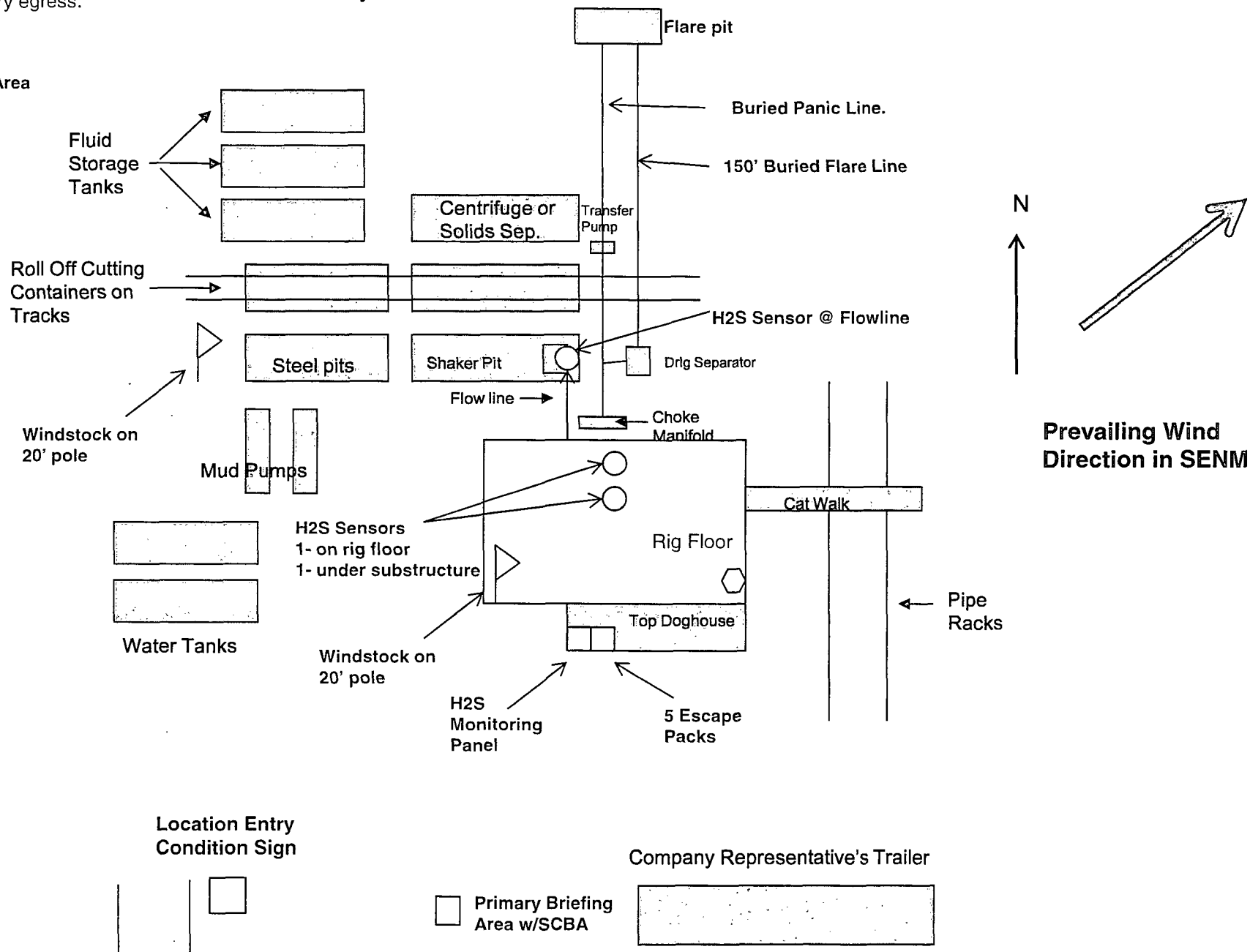
AUG 26 2014

COG Operating LLC
H₂S Equipment Schematic
Terrain: Shinnery sand hills.

Well pad will be 340' X 340'
with cellar in center of pad

Secondary egress.

Briefing Area
w/SCBA



NEW MEXICO



600'

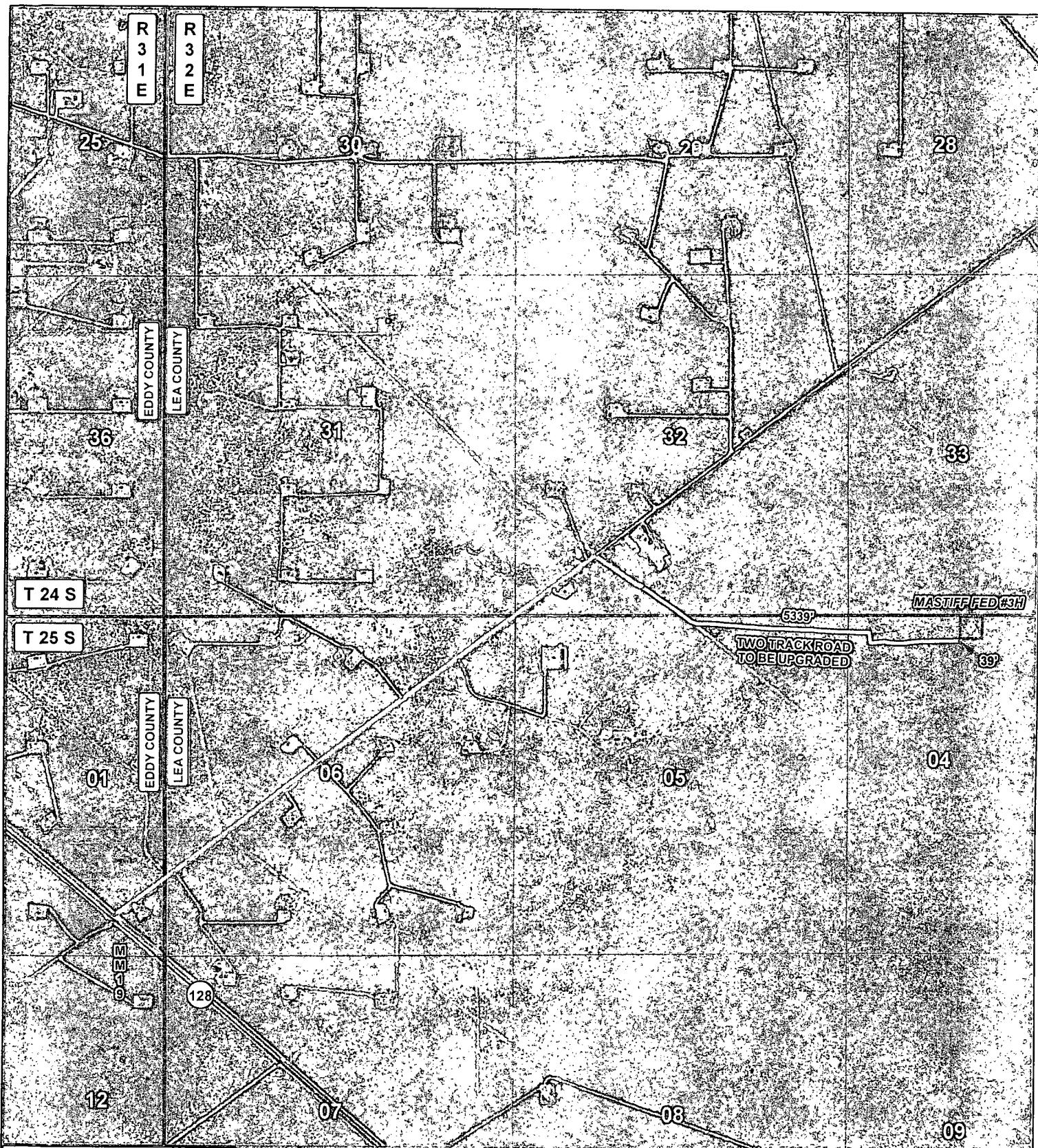


MASTIFF FEDERAL #3H WELL
LOCATED 190 FEET FROM THE NORTH LINE
AND 1880 FEET FROM THE WEST LINE OF SECTION 4,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

PAGE: 1 OF 1

[illegible]

APPROVED BY: CH	DRAWN BY: AM	FILE: 14-349
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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- - - PROPOSED ROAD
- - - TWO-TRACK ROAD

MASTIFF FED #3H

SEC: 4 TWP: 24 S. RGE: 32 E. ELEVATION: 3664.3'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1980' FWL
 W.O. # 14-349 LEASE: MASTIFF FED SURVEY: N.M.P.M

0 2,500 5,000 FEET
 0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

LOCATION MAP

IMAGERY

04/28/2014

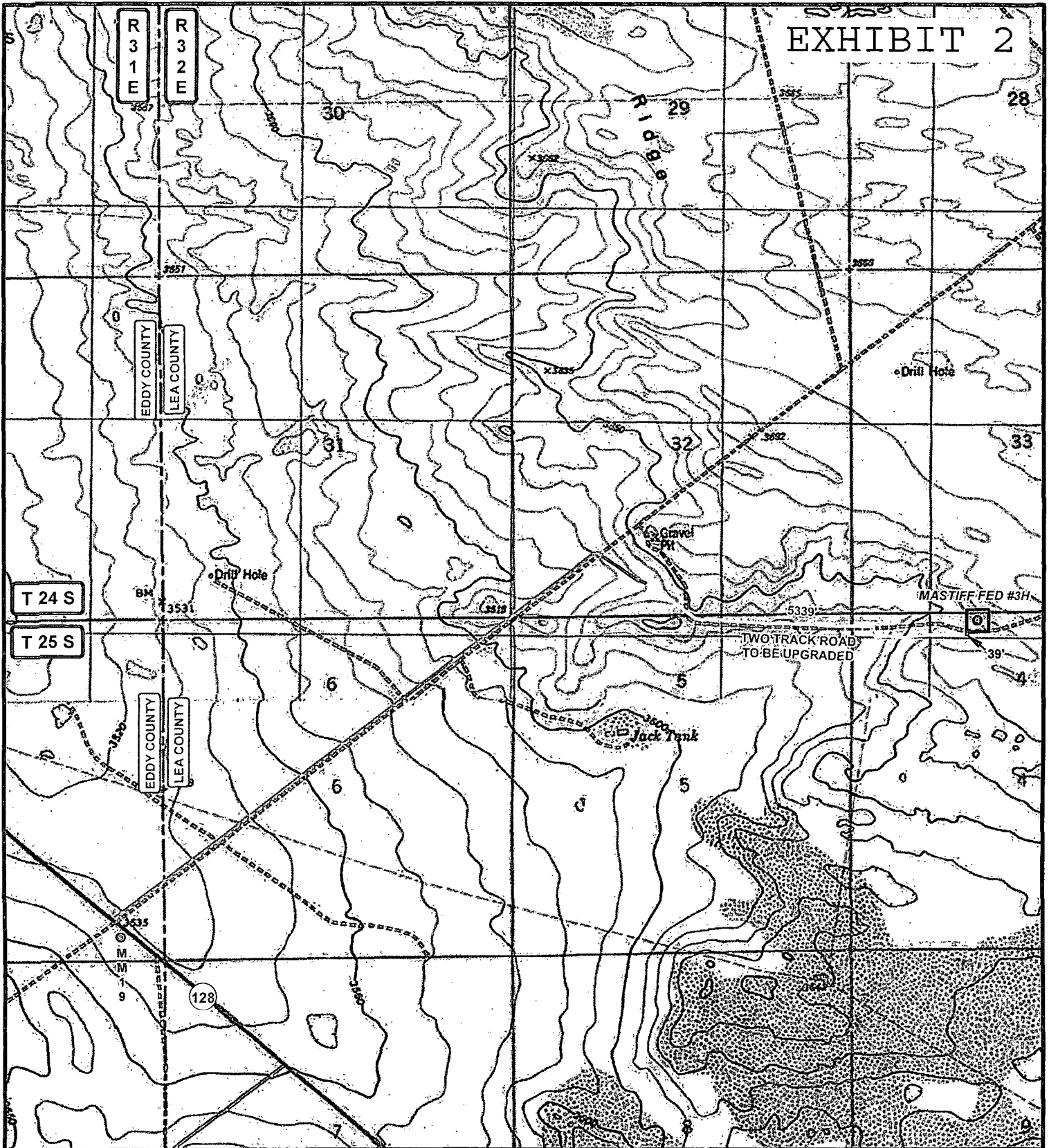
S.P.

CONCHO
 COG OPERATING, LLC

HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2138
 chad_harcrow77@yahoo.com



EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- TWO-TRACK ROAD

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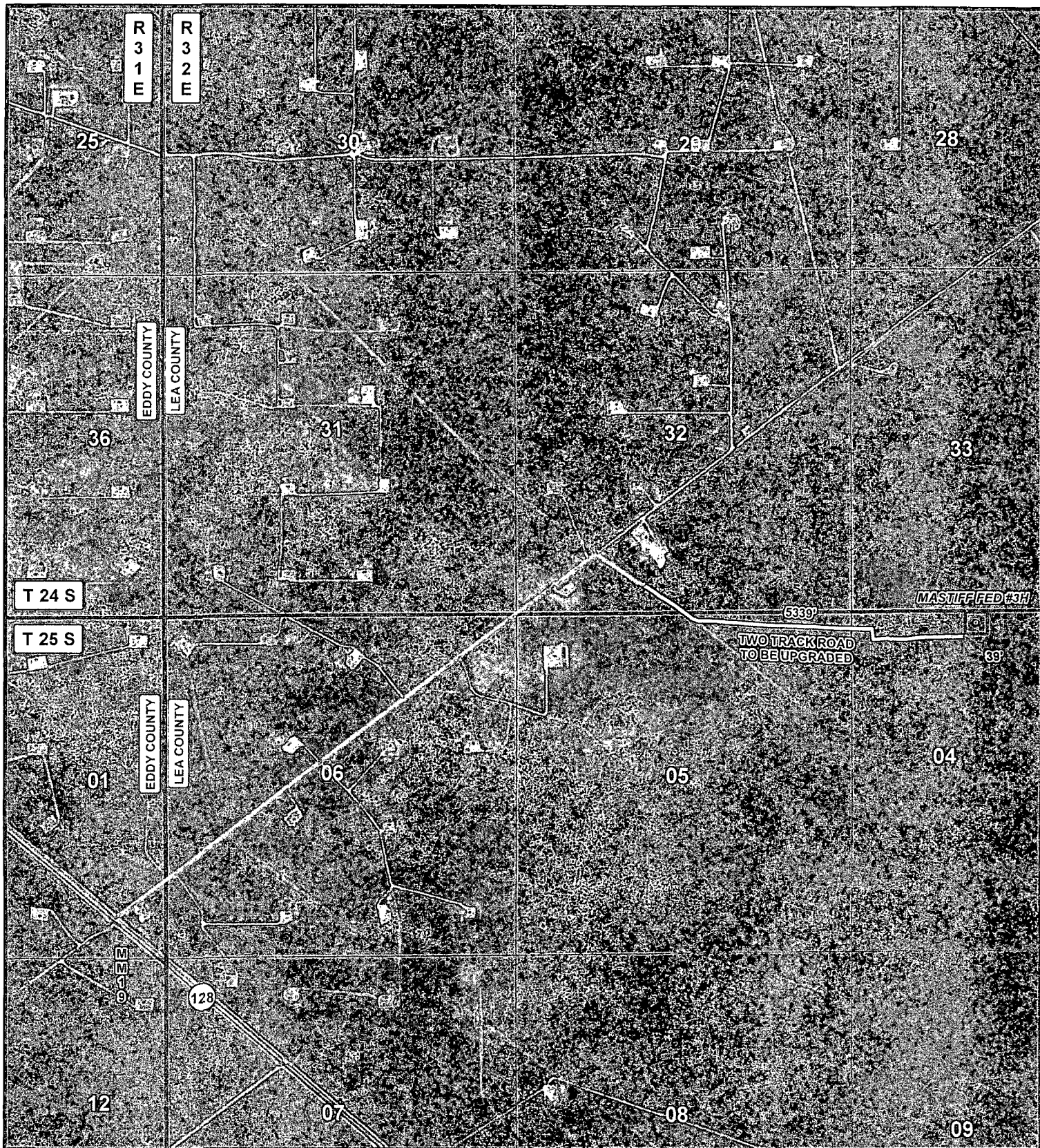
0 2,500 5,000 FEET
 0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

LOCATION MAP TOPO 04/28/2014 S.P.

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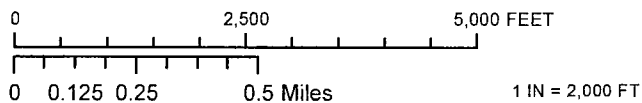


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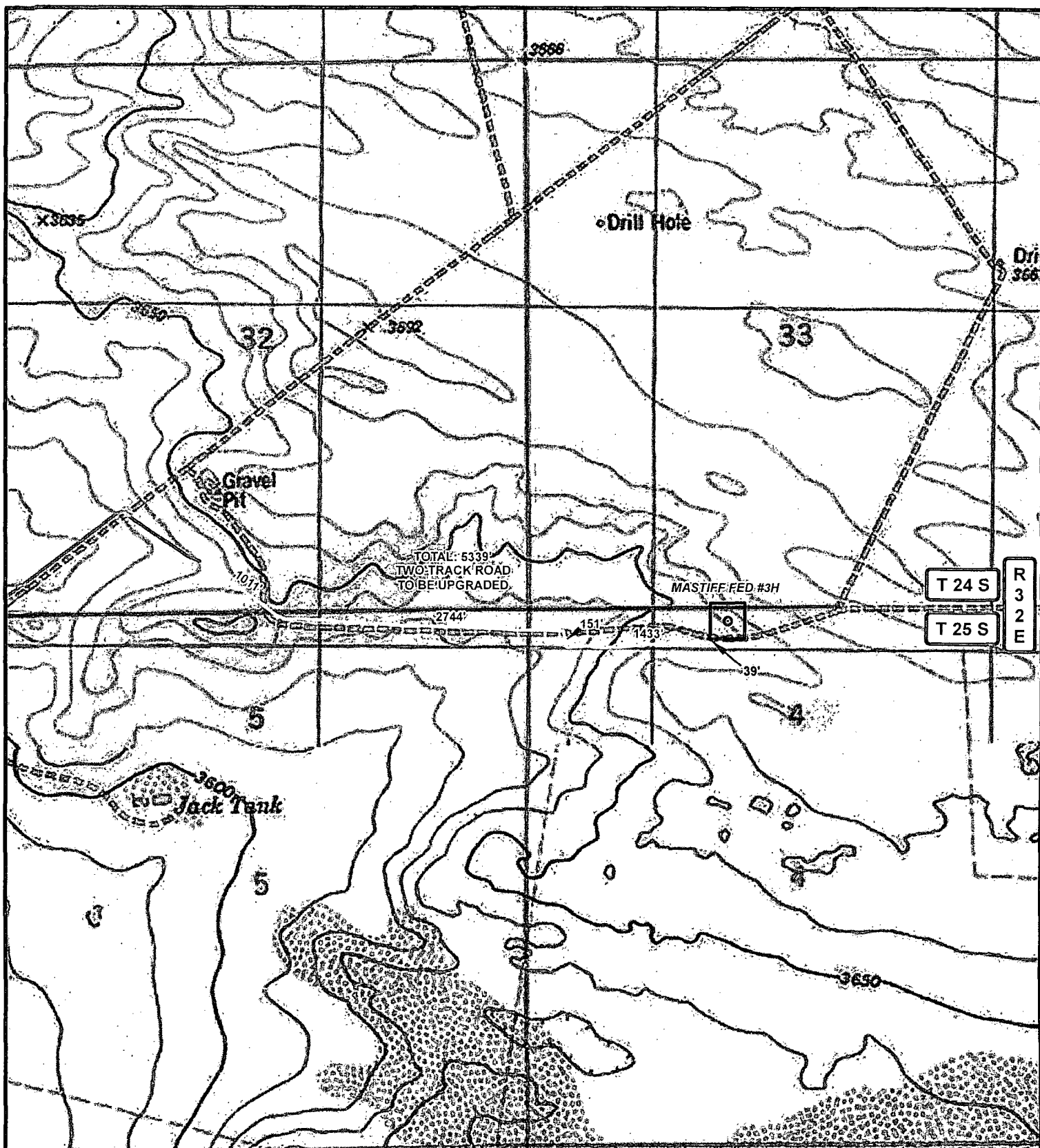


LOCATION MAP IMAGERY 04/28/2014 S.P.

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MASTIFF FED #3H

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0 2,500 FEET

0 0.075 0.15 0.3 Miles

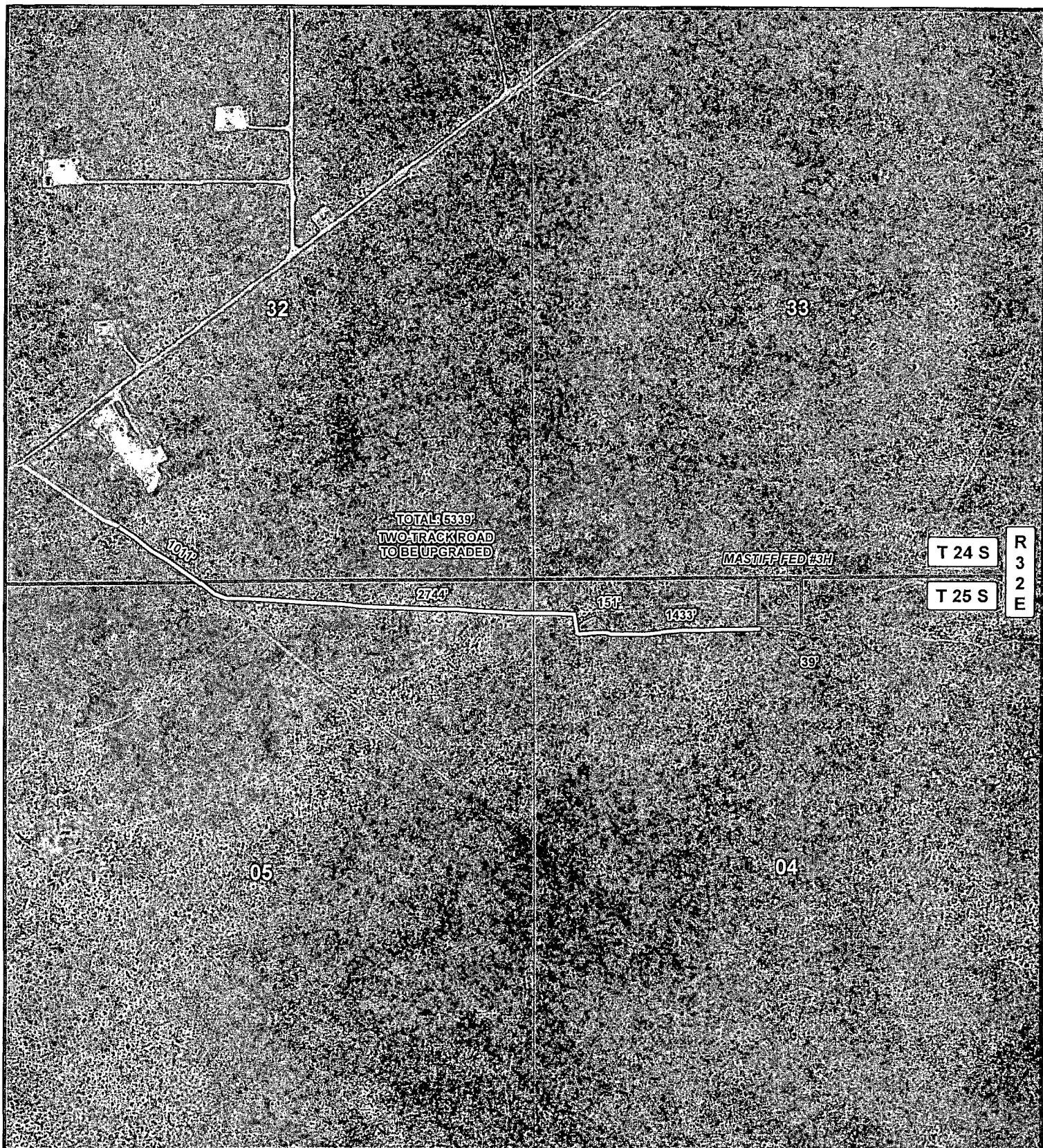
1 IN = 1,250 FT

ROAD MAP TOPO 04/28/2014 SP

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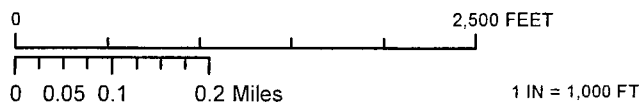


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- TWO-TRACK ROAD

MASTIFF FED #3H

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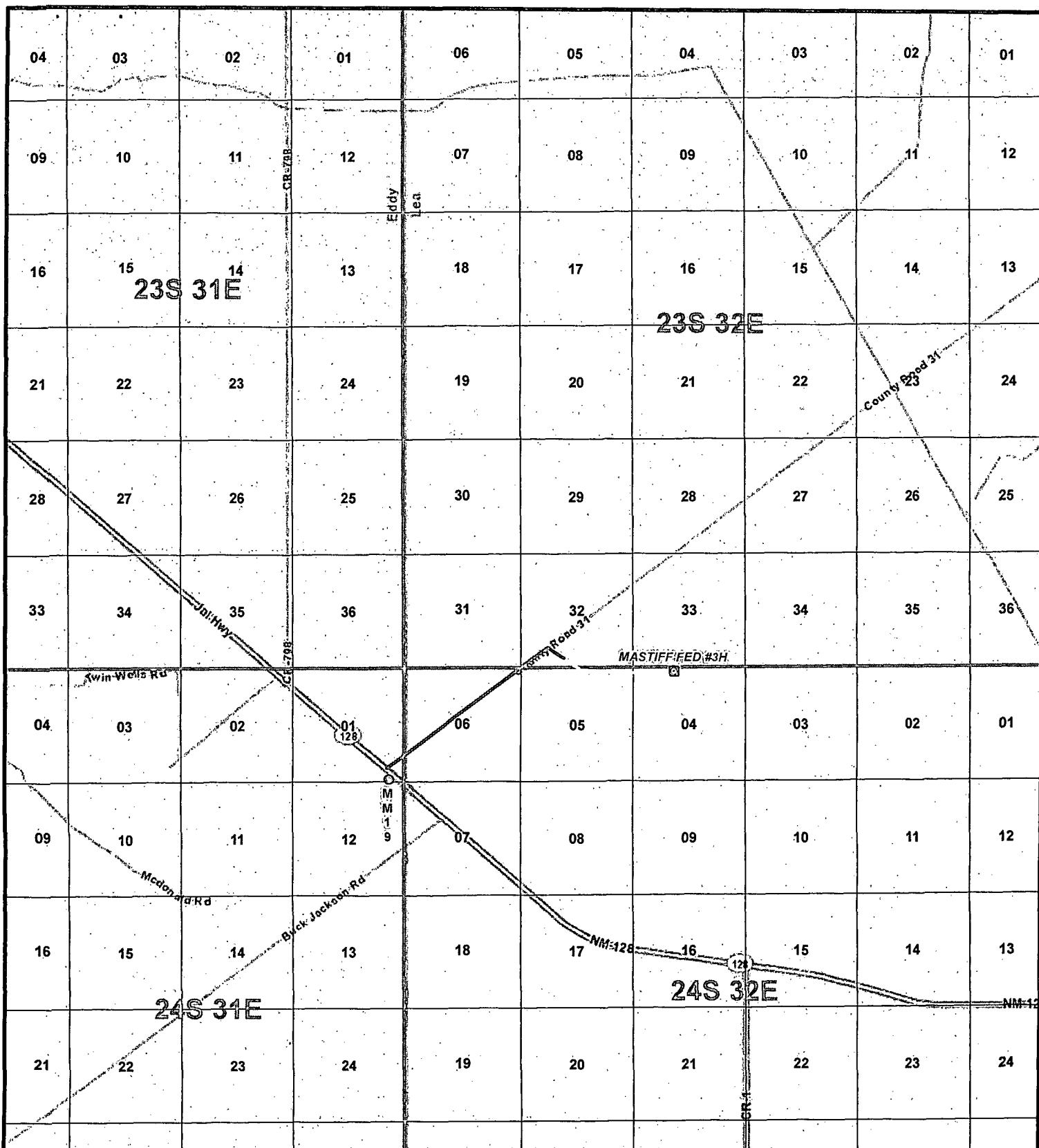


ROAD MAP IMAGERY 04/28/2014 SP

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LEGEND

- WELL
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- EXISTING ROAD
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- TWO-TRACK ROAD

MASTIFF FED #3H

SEC: 4 TWP: 24 S. RGE: 32 E. ELEVATION: 3664.3'

STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1980' FWL

W.O. # 14-349 LEASE: MASTIFF FED SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 15,000 FEET

0 0.4 0.8 1.6 Miles

1 IN = 6,000 FT

VICINITY MAP

04/28/2014

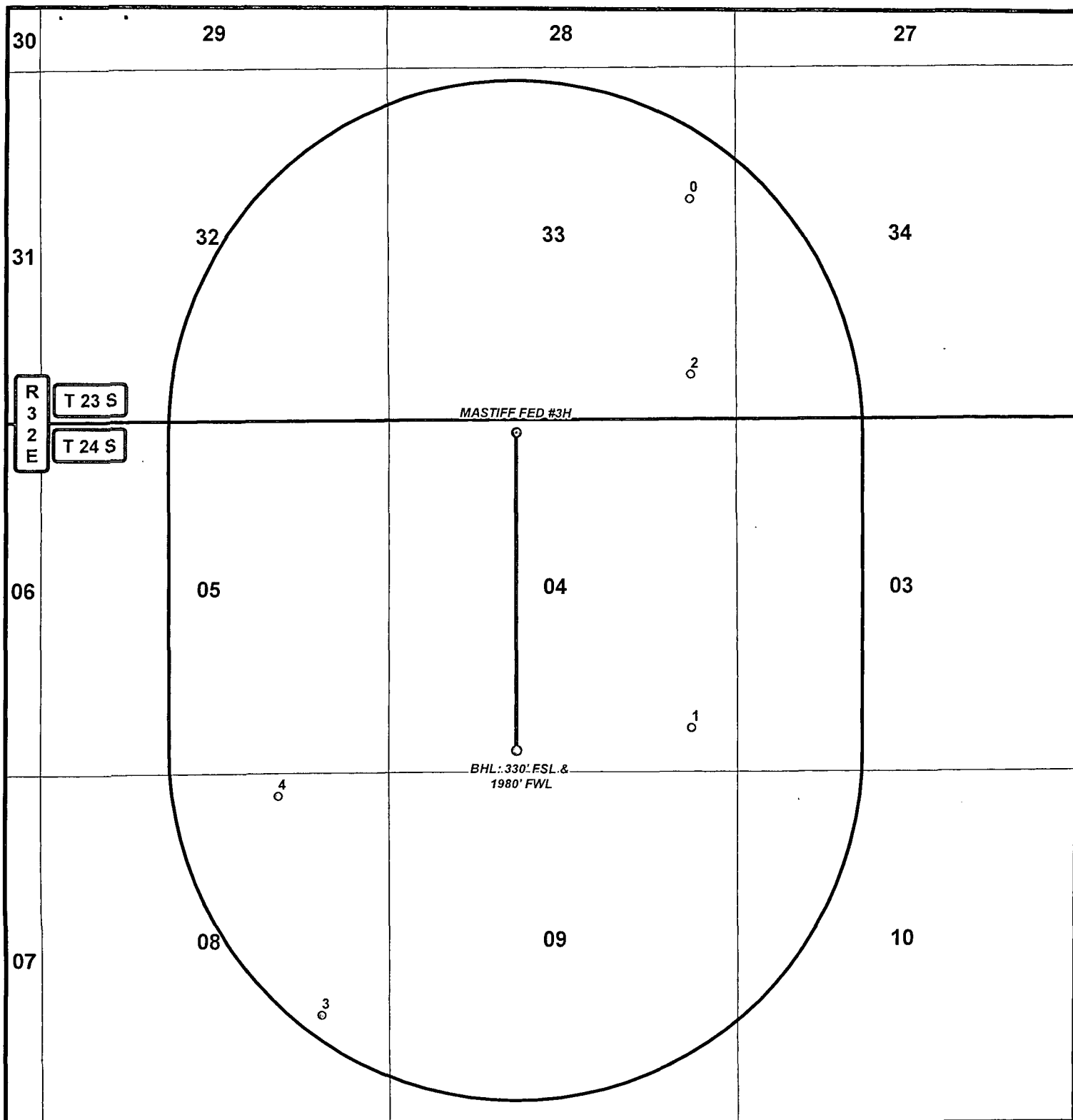
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DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH MARCH 9, 2014.

LEGEND

- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

MASTIFF FED #3H

SEC: 4 TWP: 24 S. RGE: 32 E. ELEVATION: 3664.3'

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W.O. # 14-349 LEASE: MASTIFF FED SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles

1 IN = 2,000 FT

1 MILE MAP

04/28/2014

S.P.

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FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	CURTIS HANKAMER	HOLDER FEDERAL 001	32.262888	-103.673153	3002508126	33	23.0S	32E	1980	N	660	E	4990	Plugged
1	MAX WILSON INC	GULF FEDERAL 001	32.241133	-103.673159	3002526303	4	24.0S	32E	660	S	660	E	4995	Plugged
2	WILSON OPERATING CO INC	SUN FEDERAL 001	32.255645	-103.67314	3002530030	33	23.0S	32E	660	S	660	E	7500	Plugged
3	OXY USA INC	NAFTA 8 FEDERAL 001	32.229277	-103.691389	3002533195	8	24.0S	32E	1650	S	990	E	10000	Active
4	COG PRODUCTION, LLC	BIMINI 8 FEDERAL COM 002H	32.238347	-103.693532	3002541130	8	24.0S	32E	330	N	1655	E	8573	New (Not drilled or compl)

Mastiff Federal #3H