

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) 746-1283 Fax: (575) 746-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42523 <i>43299</i>	Pool Code 98110 <i>98098</i>	Pool Name WC-025 G-09 <i>5243532M; WOLF BONE</i>
Property Code 314771	Property Name SKULL CAP FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3286.0'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	32	24-S	35-E		2590	SOUTH	1980	EAST	LEA

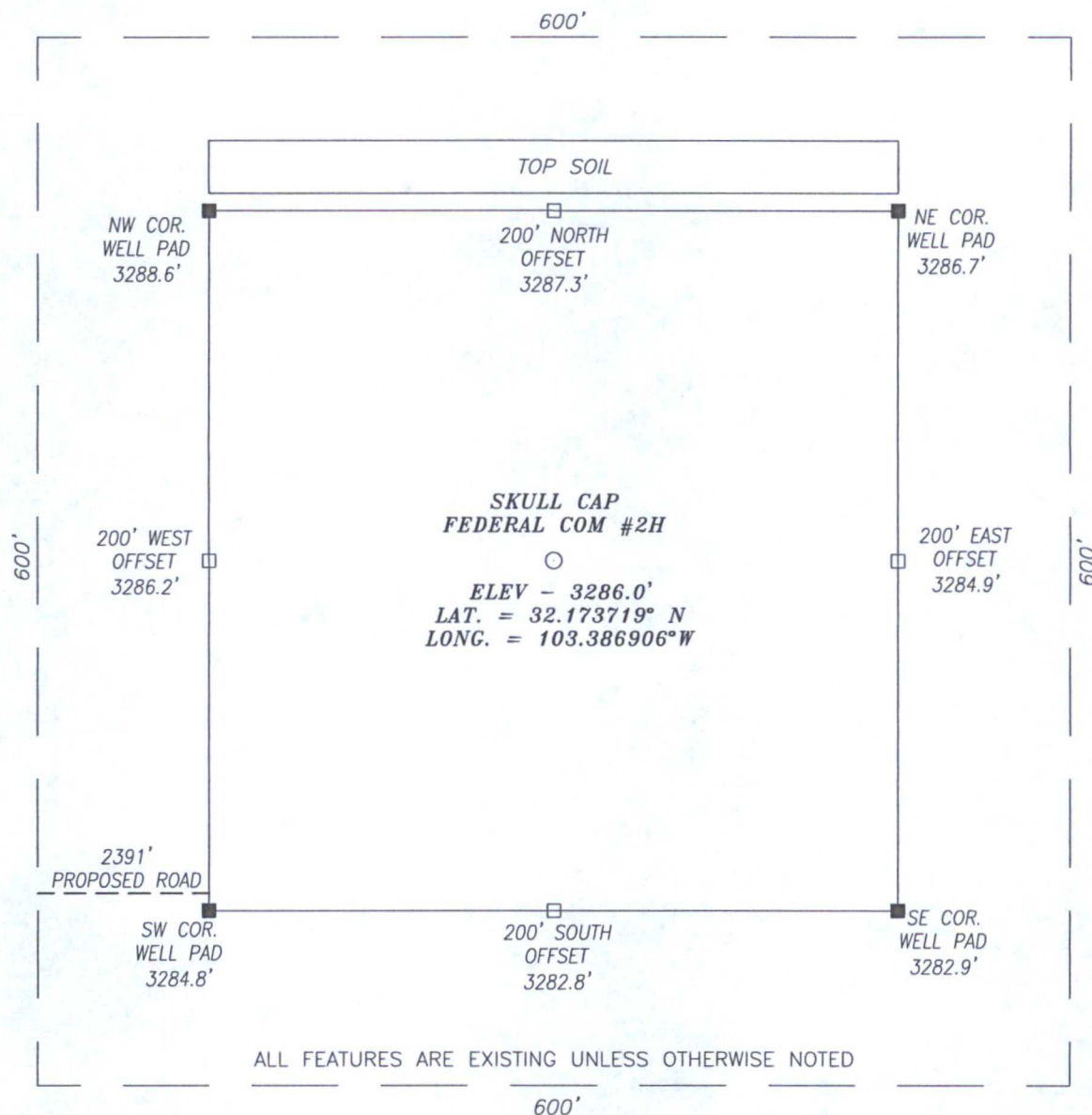
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	5	25-S	35-E		330	SOUTH	1980	EAST	LEA
Dedicated Acres 240.70	Joint or Infill	Consolidation Code	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

<p>Y=428251.3 N X=792177.2 E</p> <p>Y=428262.6 N X=793497.7 E</p> <p>NAD 27 SURFACE LOCATION Y=428207.8 N X=792838.9 E LAT.=32.173719° N LONG.=103.386906° W</p> <p>NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=420646.6 N X=792890.9 E LAT.=32.152935° N LONG.=103.386952° W</p> <p>As per LR2000 Lot 2 40.70 Ac</p> <p>40.48 AC. 40.57 AC. 40.72 AC.</p> <p>STATE</p> <p>PRODUCING AREA</p> <p>PROJECT AREA</p> <p>SECTION 5 T 25 S</p> <p>LOT 1 40.72 AC.</p> <p>GRID AZ. - 179°36'20"</p> <p>HORZ. DIST. - 7561.4'</p> <p>FEE</p> <p>NMNM132948</p> <p>Y=420312.1 N X=792228.3 E</p> <p>Y=420321.1 N X=793550.6 E</p> <p>B.H.</p> <p>330'</p> <p>1980'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Melanie J Wilson</i> 2/2/2016</p> <p>Signature Date</p> <p>Melanie J Wilson</p> <p>Printed Name</p> <p>mwilson@concho.com</p> <p>E-mail Address</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MARCH 24, 2015</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p> Chad L. Harcrow 1/8/16</p> <p>Certificate No. CHAD HARCROW 17777</p> <p>W.O. # 16-8 DRAWN BY: AF</p>
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SECTION 32, TOWNSHIP 24 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



ALL FEATURES ARE EXISTING UNLESS OTHERWISE NOTED

DIRECTIONS TO LOCATION

HEADING EAST ON HWY 128 TURN RIGHT (SOUTH) APPROX. 0.3 MILE PAST MM 39; THEN GO APPROX. 0.5 MILE JUST PAST THE SKULL CAP ST #5H TO A PROPOSED ROAD ON THE LEFT (EAST); THEN PROPOSED WELL IS 2560 FEET EAST.

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158 FAX: (575) 746-2158
c.harcrow@harcrowsurveying.com



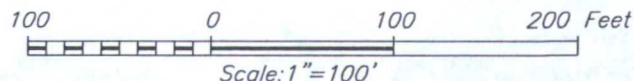
CERTIFICATION

I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

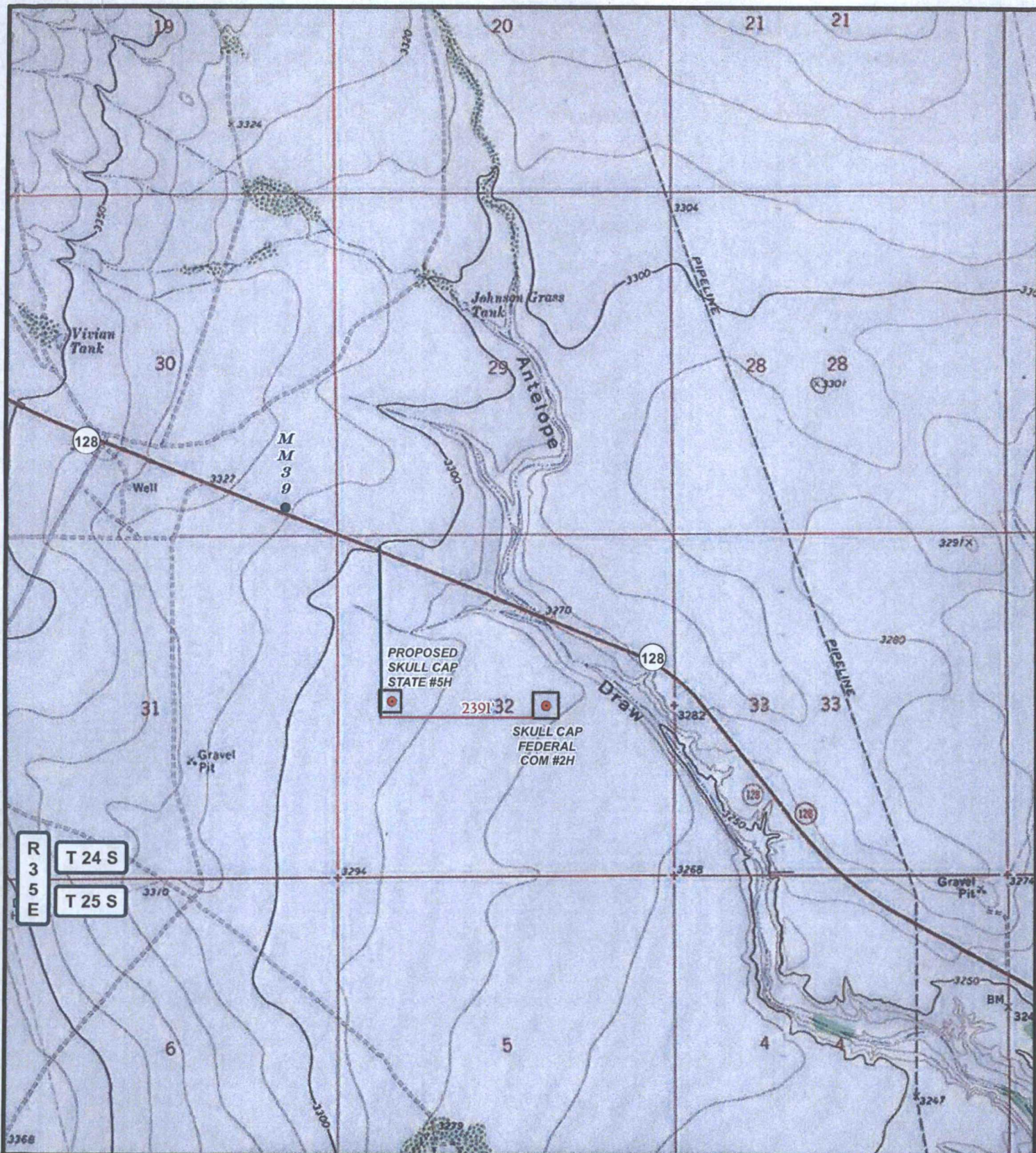
2/3/16
DATE



COG OPERATING, LLC

SKULL CAP FEDERAL COM #2H WELL
LOCATED 2590 FEET FROM THE SOUTH LINE
AND 1980 FEET FROM THE EAST LINE OF SECTION 32,
TOWNSHIP 24 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 03/24/2015	REV: 01/06/2016
DRAFTING DATE: 03/25/2015	
APPROVED BY: CH	DRAWN BY: AF FILE: 16-8

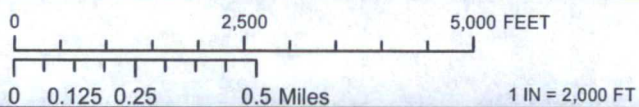


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

SEC:32 TWP:24 S. RGE:35 E. ELEVATION:3286.0'
 STATE: NEW MEXICO COUNTY: LEA 2590' FSL & 1980' FEL
 W.O. #16-8 LEASE: SKULL CAP FED COM SURVEY: N.M.P.M



LOCATION MAP

TOPO

01/07/2015

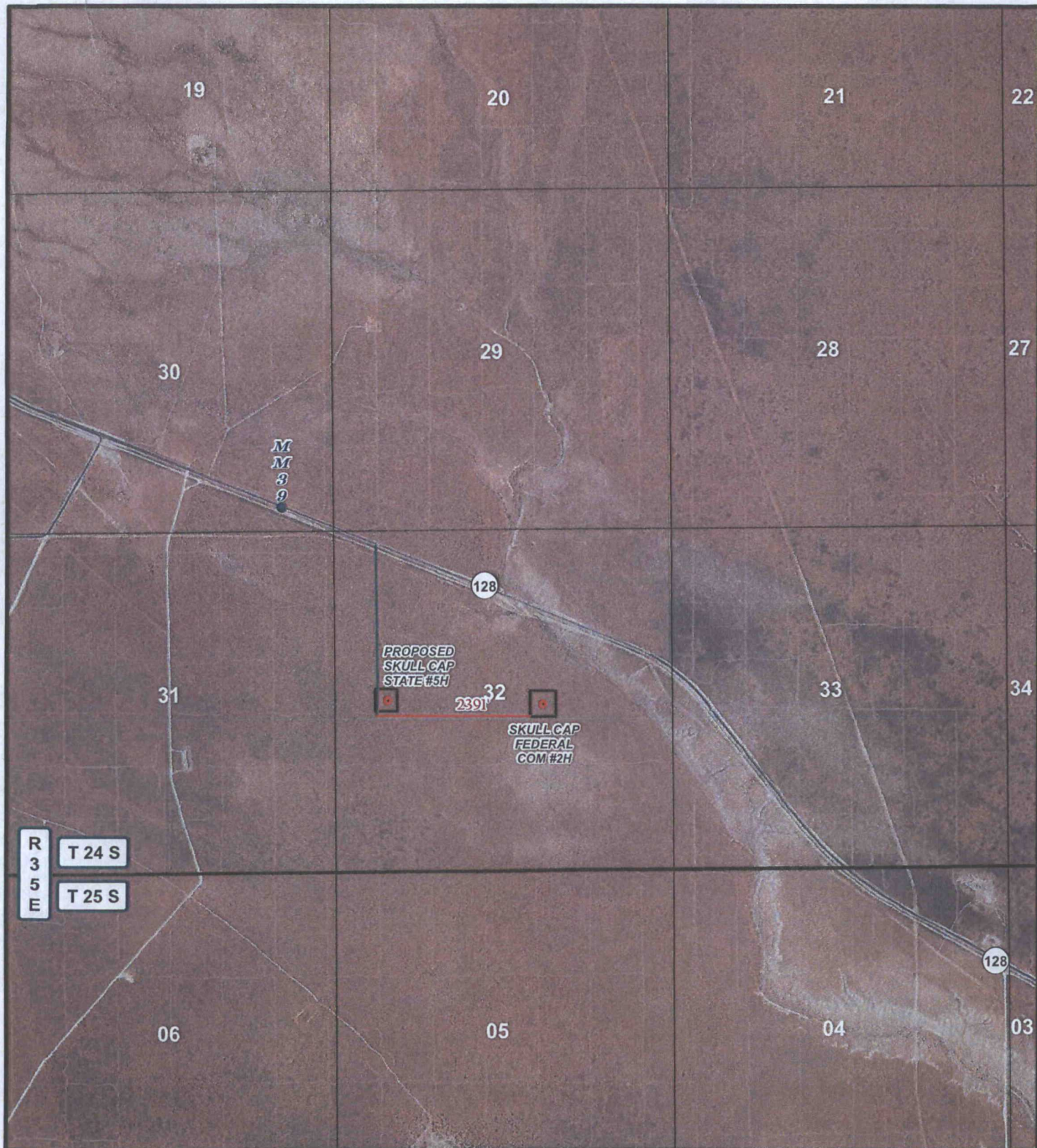
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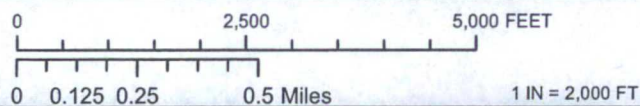


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

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STATE: NEW MEXICO	COUNTY: LEA	2590' FSL & 1980' FEL	
W.O. #16-8	LEASE: SKULL CAP FED COM	SURVEY: N.M.P.M	



LOCATION MAP

IMAGERY

01/07/2015

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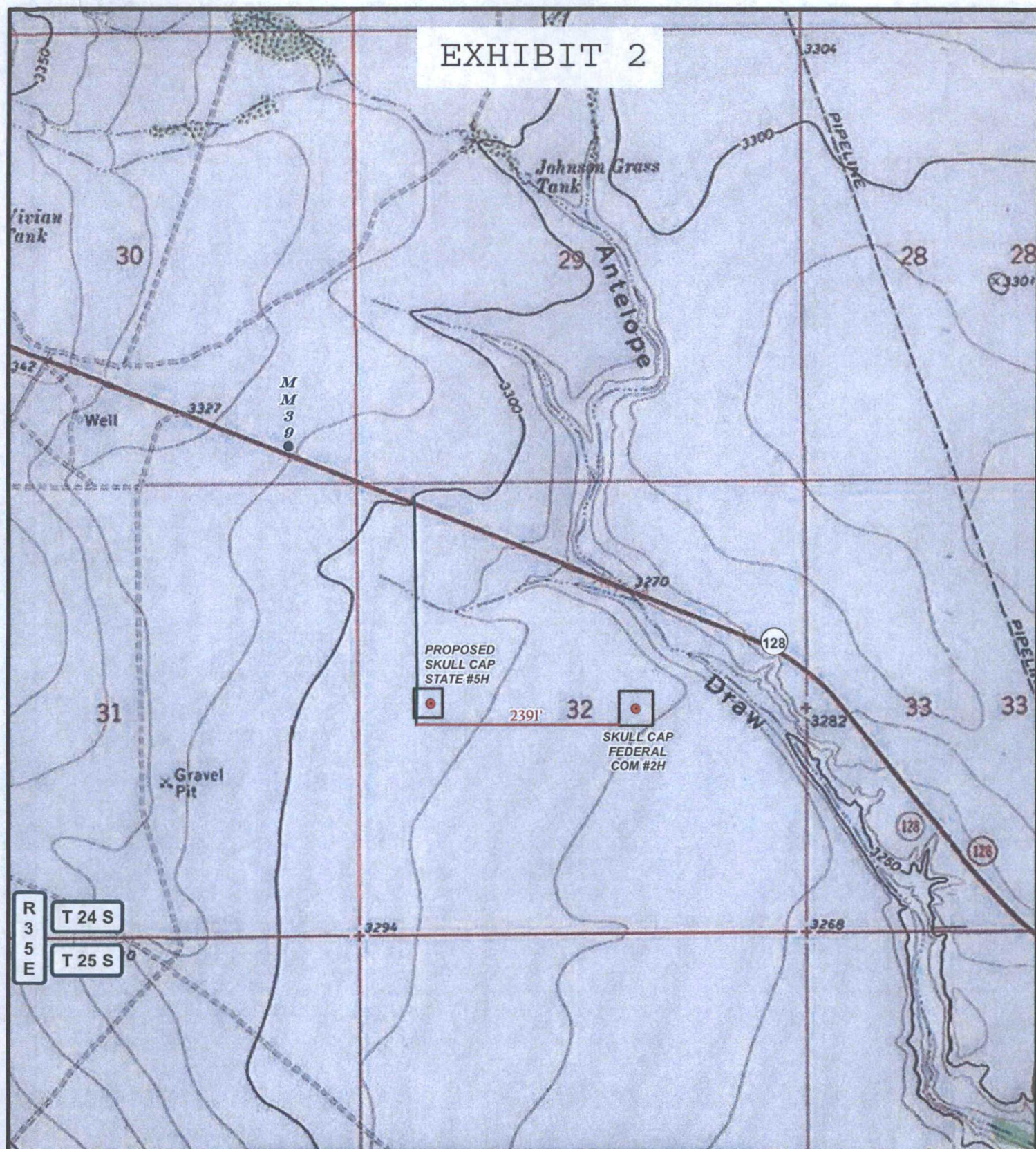


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EXHIBIT 2

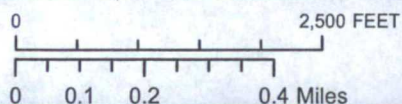


LEGEND

-  WELL
 WELLPAD
 EXISTING ROAD
 PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

SEC:32	TWP:24 S.	RGE:35 E.	ELEVATION:3286.0'
STATE: NEW MEXICO		COUNTY: LEA	2590' FSL & 1980' FEL
W.O. #16-8	LEASE: SKULL CAP FED COM		SURVEY: N.M.P.M


$$1 \text{ IN} = 1,500 \text{ FT}$$

LOCATION MAP

TOPO ROAD

01/07/2015

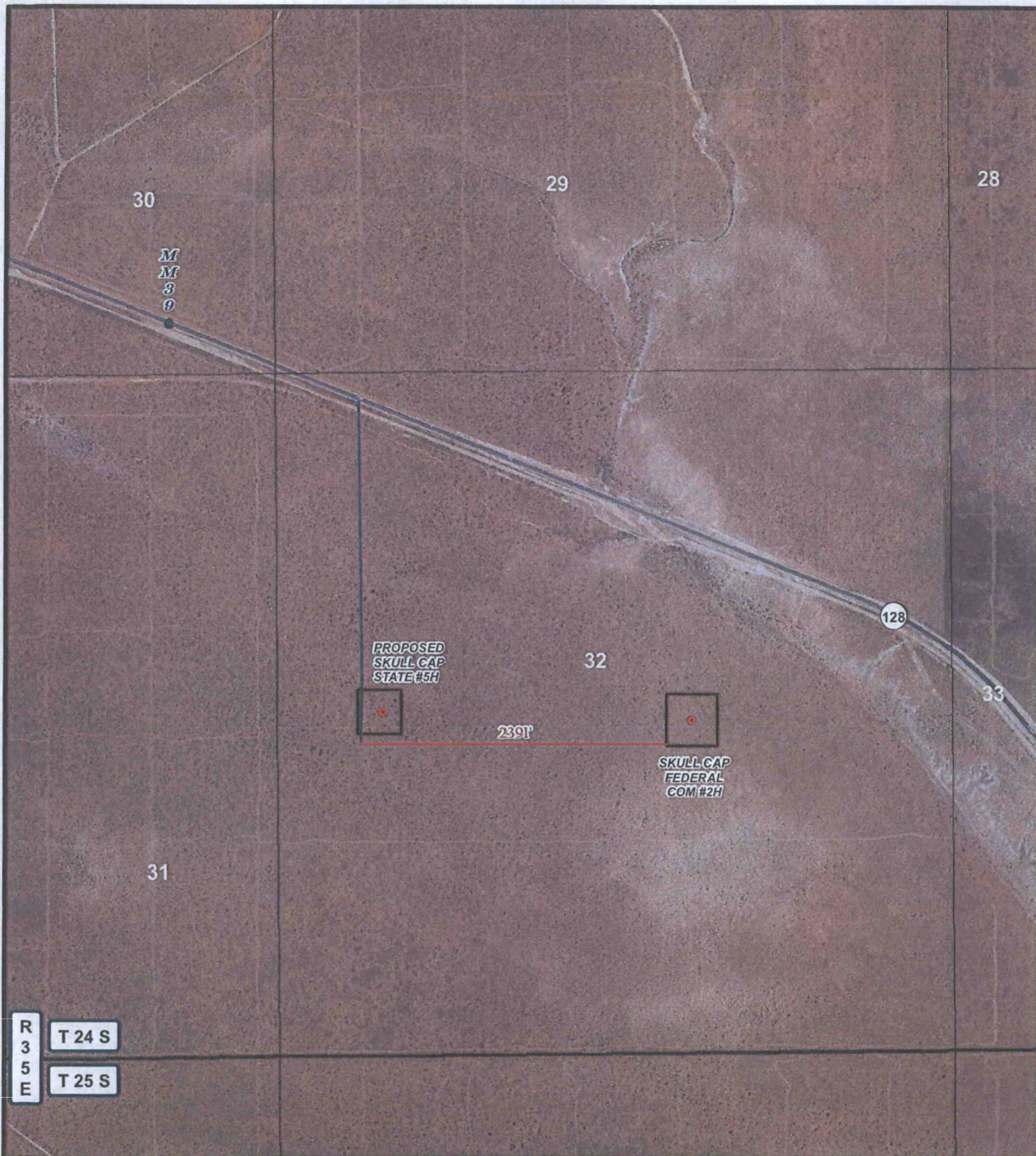
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R
3
5
E

T 24 S

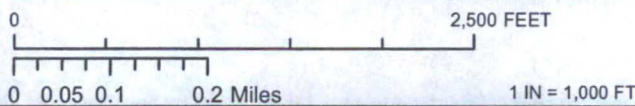
T 25 S

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

SEC:32	TWP:24 S.	RGE:35 E.	ELEVATION:3286.0'
STATE: NEW MEXICO		COUNTY: LEA	2590' FSL & 1980' FEL
W.O. #16-8	LEASE: SKULL CAP FED COM		SURVEY: N.M.P.M



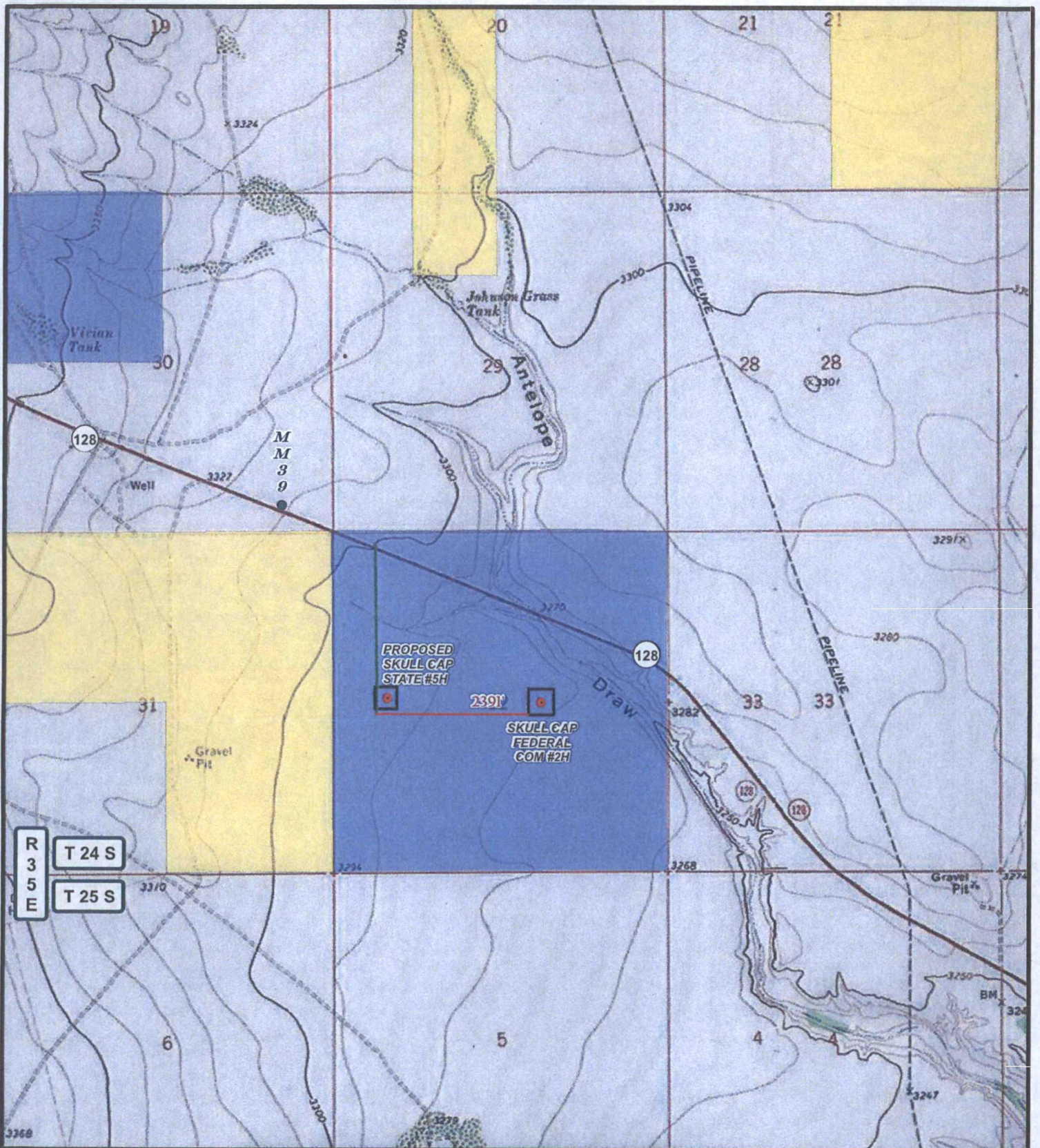
LOCATION MAP IMAGERY ROAD 01/07/2015 A E



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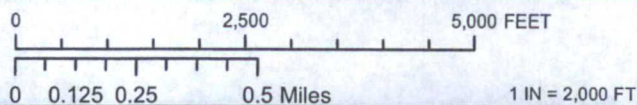


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- PRIVATE
- STATE OF NM
- US BLM

SKULL CAP FEDERAL COM #2H

SEC:32 TWP:24 S. RGE:35 E. ELEVATION:3286.0'
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 W.O. #16-8 LEASE: SKULL CAP FED COM SURVEY: N.M.P.M



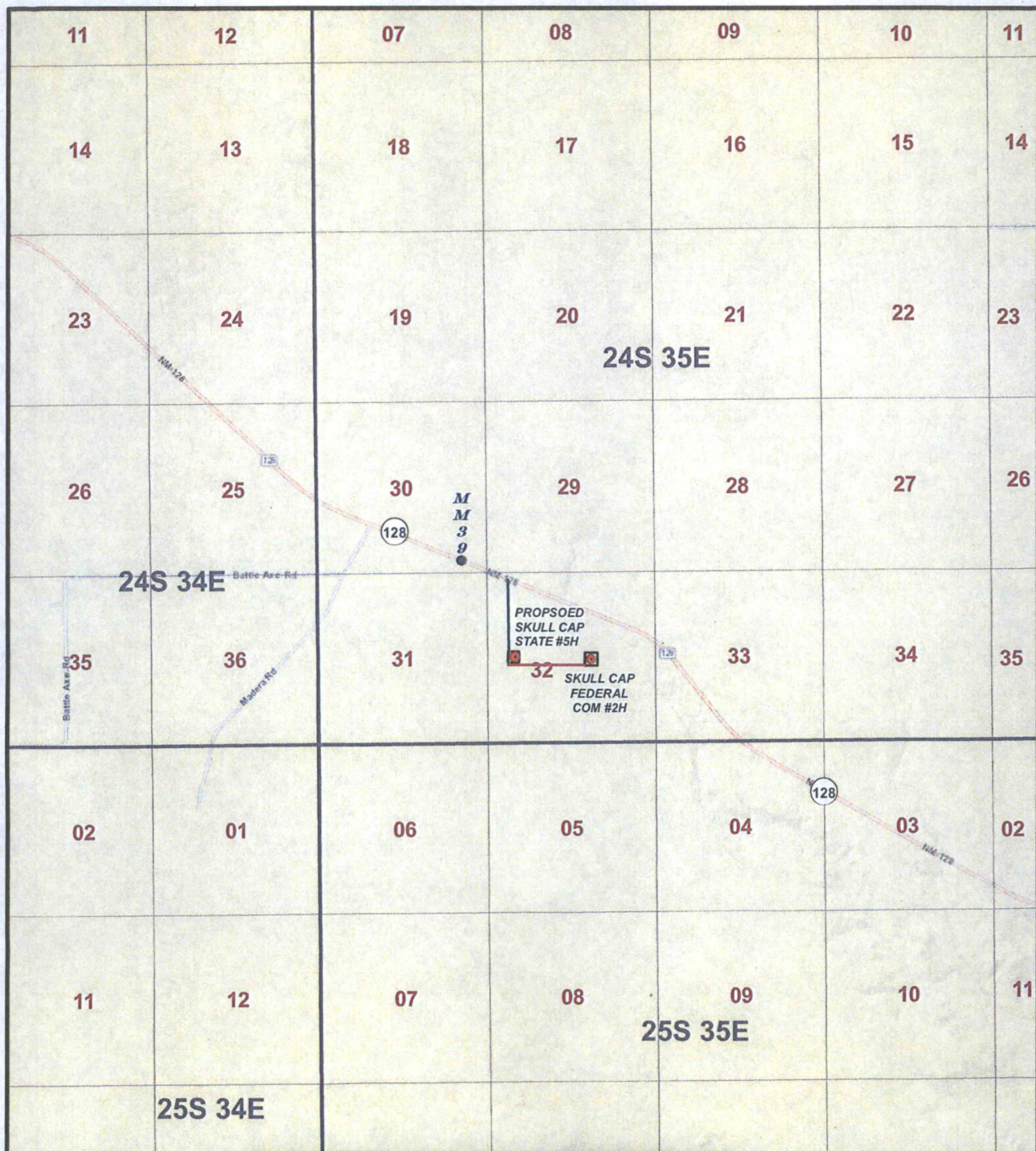
LOCATION MAP

LAND STATUS

01/07/2015

CONCHO
 COG OPERATING, LLC

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LEGEND

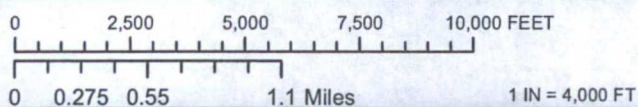
- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

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STATE: NEW MEXICO COUNTY: LEA 2590' FSL & 1980' FEL

W.O. #16-8 LEASE: SKULL CAP FED COM SURVEY: N.M.P.M



VICINITY MAP

01/07/2015

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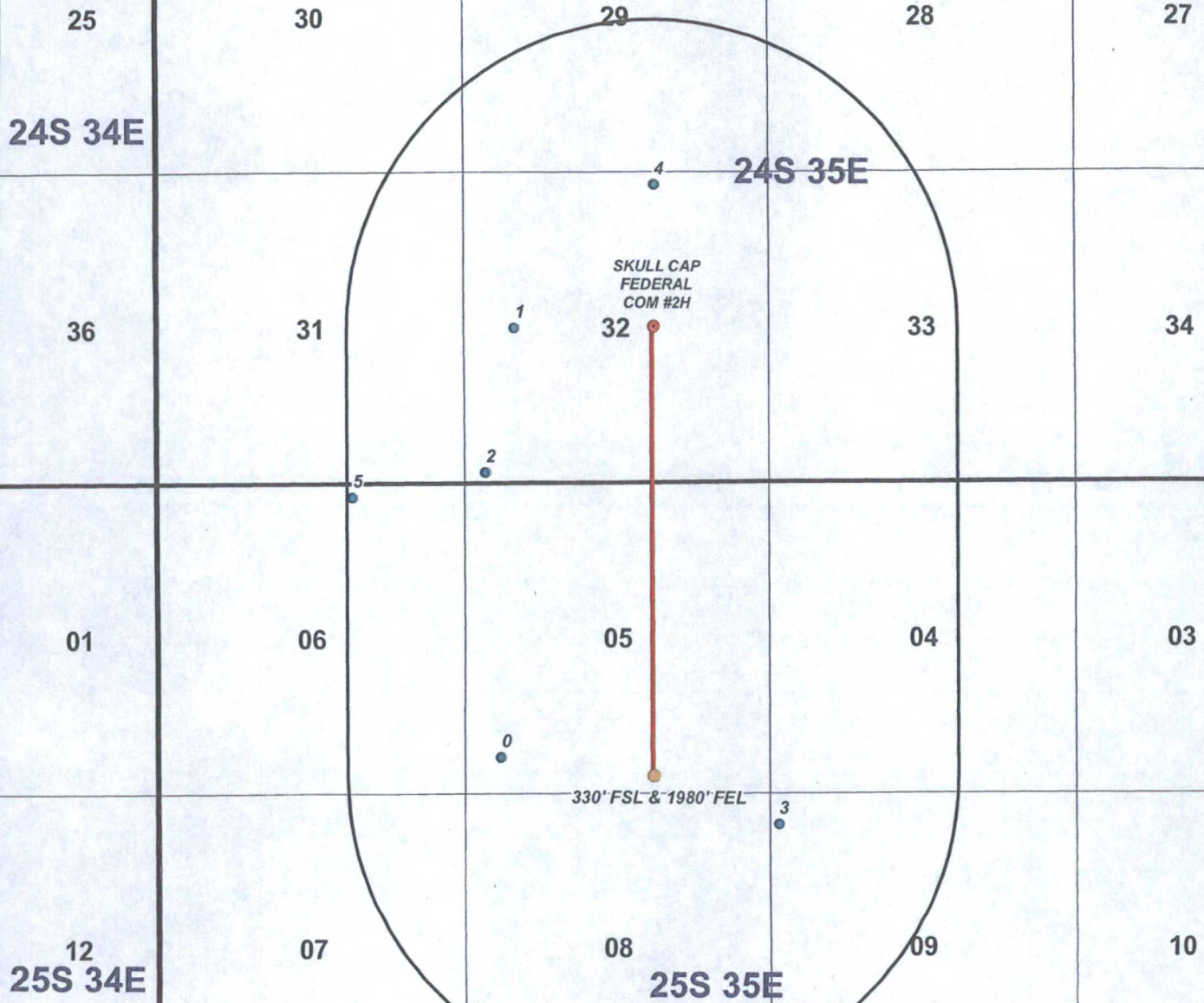


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EXHIBIT 4



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 24, 2016.

LEGEND

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

SKULL CAP FEDERAL COM #2H

SEC:32	TWP:24 S.	RGE:35 E.	ELEVATION:3286.0'
STATE: NEW MEXICO	COUNTY: LEA	2590' FSL & 1980' FEL	
W.O. #16-8	LEASE: SKULL CAP FED COM	SURVEY: N.M.P.M	

0 2,500 5,000 FEET

0 0.175 0.35 0.7 Miles

1 IN = 2,750 FT

1 MILE MAP

01/07/2016

N



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SKULL CAP FEDERAL COM #2H 1 MILE DATA (16-8)

FID	OPERATOR	WELL NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG NS	NS CD	FTG EW	EW CD	IVD DEPTH	COMPL STAT
0	GULF OIL CORP	MOUNSEY B FEDERAL 001	32.153952	-103.395937	3002521255	5	25.0S	35E	660 S		660 W		5600 Plugged	
1	COG OPERATING LLC	SKULL CAP STATE 005	32.174028	-103.395081	3002542178	32	24.0S	35E	2610 N		880 W		0	0 New (Not drilled or compl)
2	COG OPERATING LLC	SKULL CAP STATE 004H	32.167264	-103.396774	3002542179	32	24.0S	35E	190 S		380 W		9242 New (Not drilled or compl)	
3	COG OPERATING LLC	FEZ FEE 011H	32.150758	-103.380377	3002542347	9	25.0S	35E	480 N		190 W		0 New (Not drilled or compl)	
4	COG OPERATING LLC	VIKING HELMET STATE COM 002H	32.180658	-103.387274	3002542783	32	24.0S	35E	190 N		1980 E		0 New (Not drilled or compl)	
5	COG OPERATING LLC	STOVE PIPE FEDERAL COM 002H	32.166109	-103.404166	3002542926	6	25.0S	35E	225 N		1905 E		0 New (Not drilled or compl)	