

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

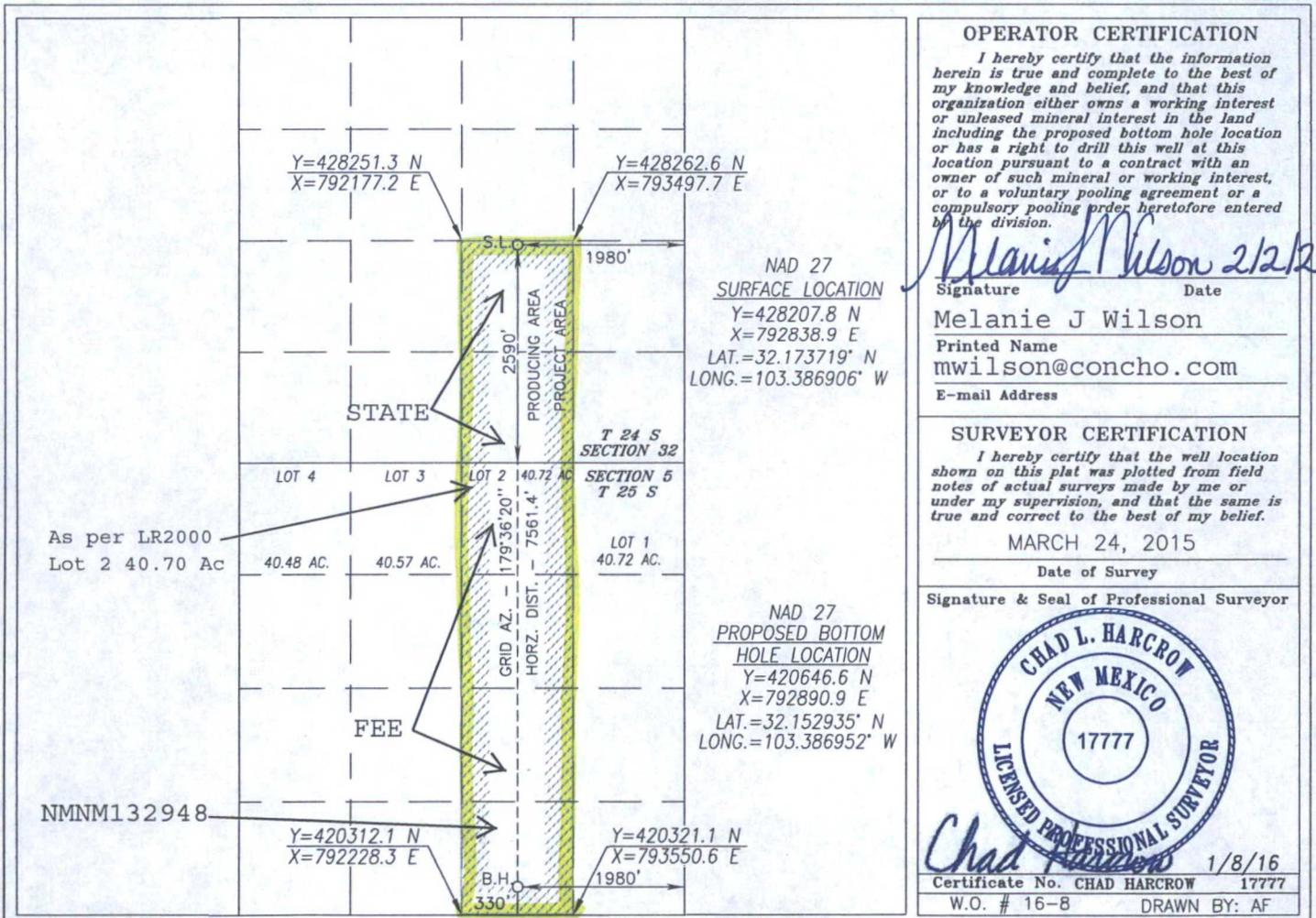
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	32	24-S	35-E		2590	SOUTH	1980	EAST	LEA

Bottom Hole Location If Different From Surface

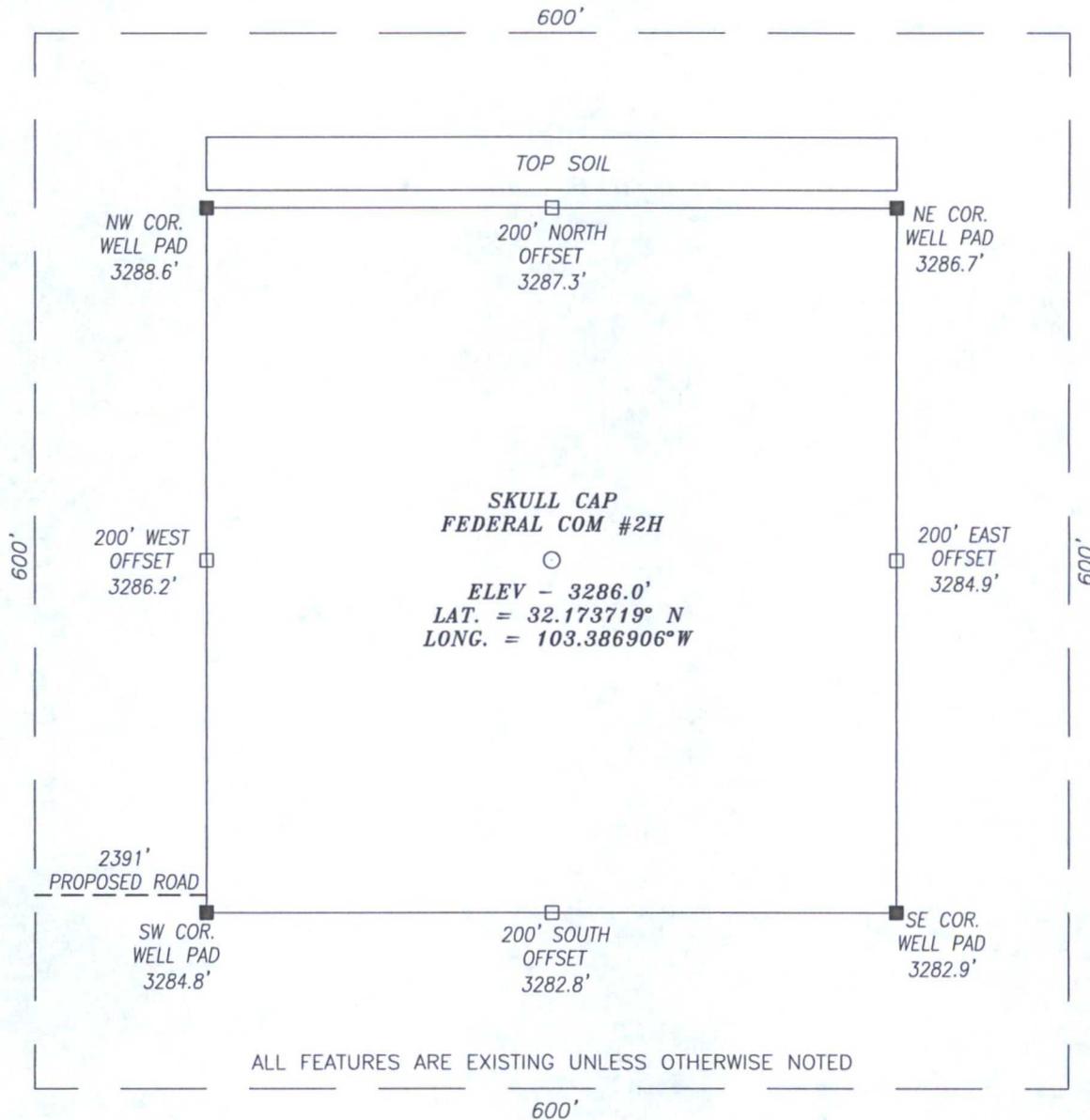
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	5	25-S	35-E		330	SOUTH	1980	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240.70			

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 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



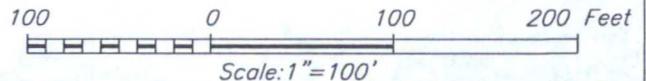
CERTIFICATION

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.

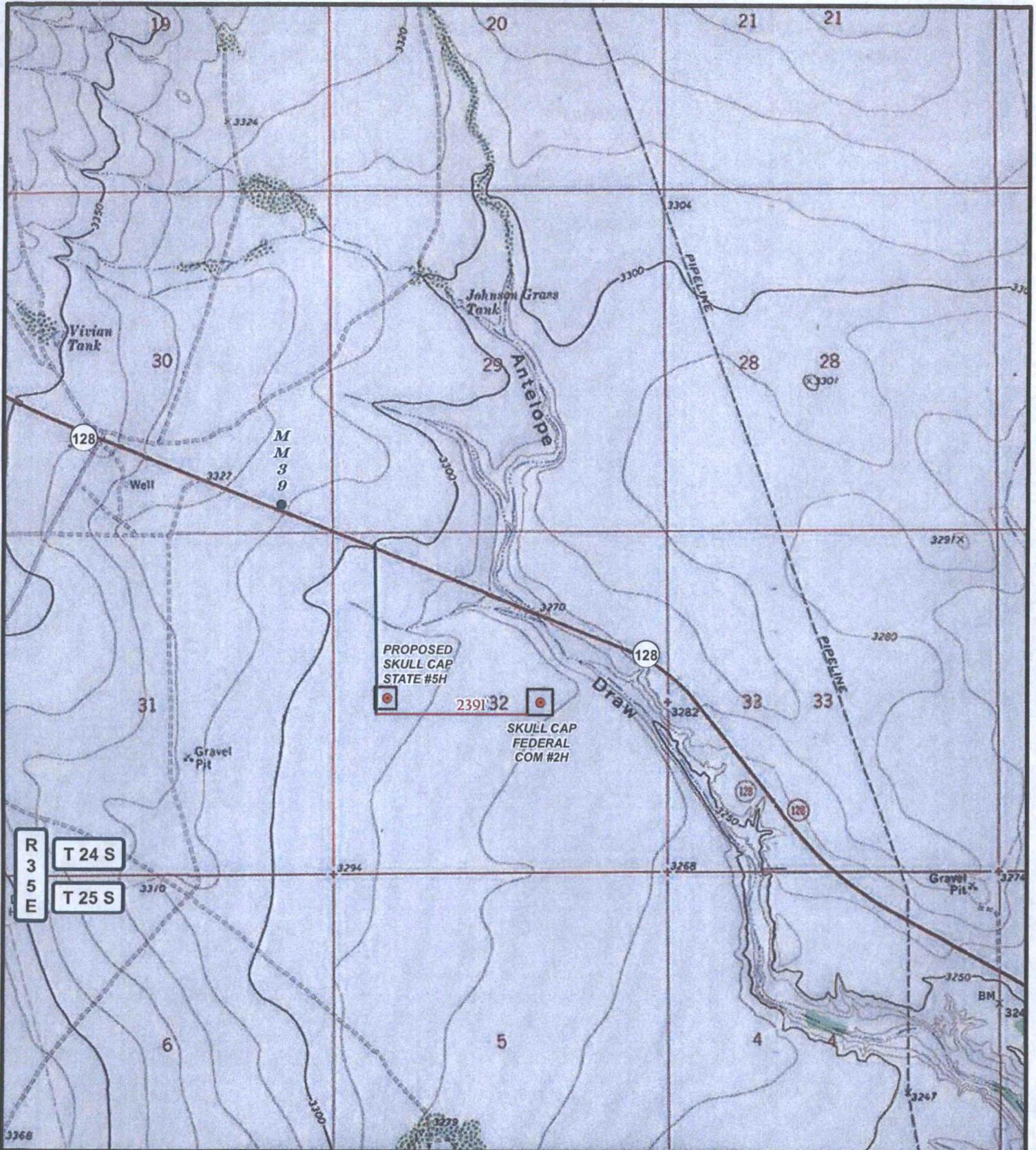


Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

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



PROPOSED
SKULL CAP
STATE #5H

2391 32

SKULL CAP
FEDERAL
COM #2H

R
3
5
E

T 24 S

T 25 S

LEGEND

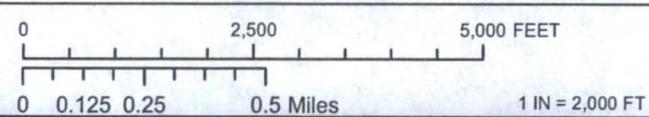
- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

SEC:32 TWP:24 S. RGE:35 E. ELEVATION:3286.0'

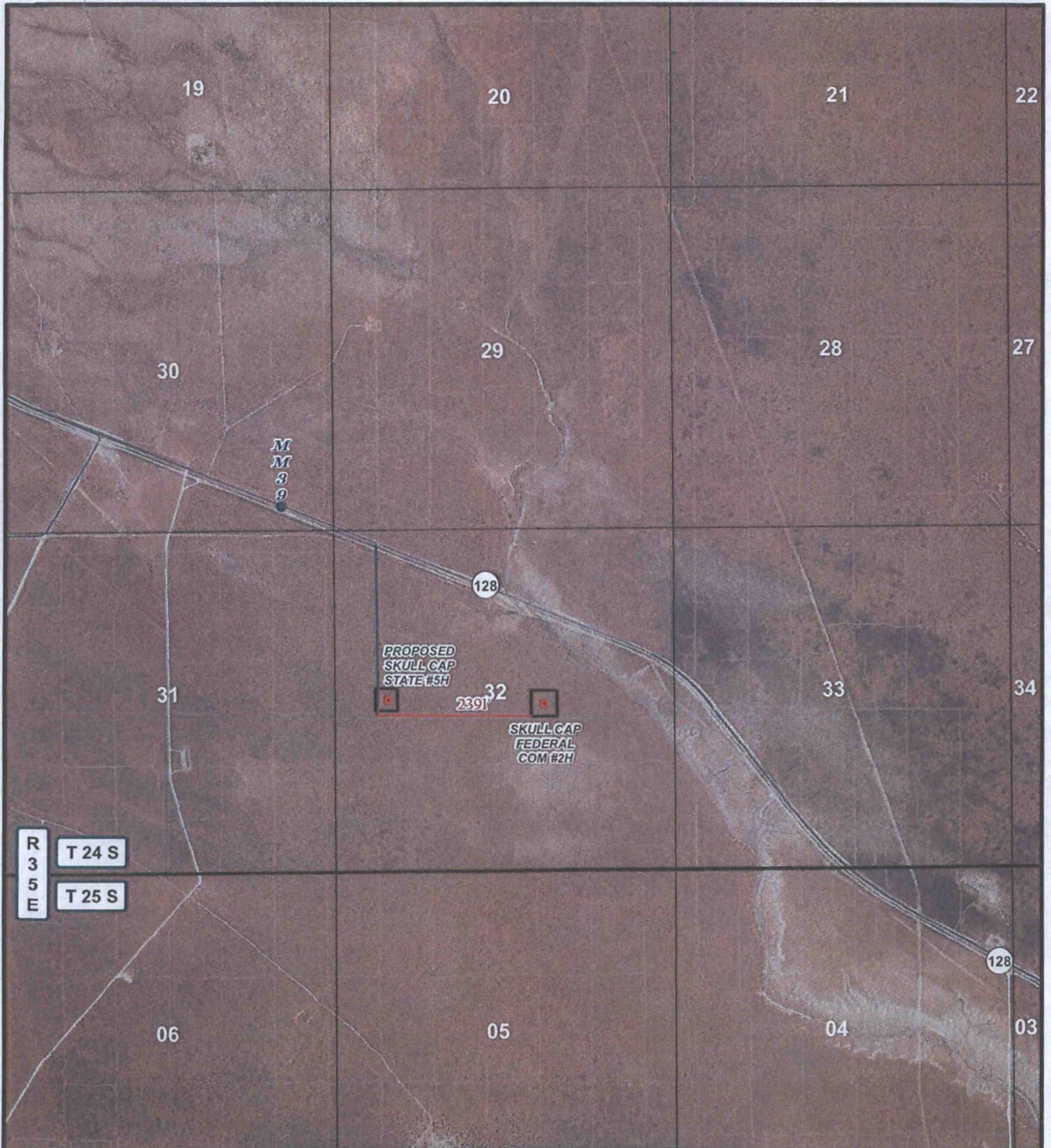
STATE: NEW MEXICO COUNTY: LEA 2590' FSL & 1980' FEL

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



LOCATION MAP TOPO 01/07/2015 A.F





R
3
5
E

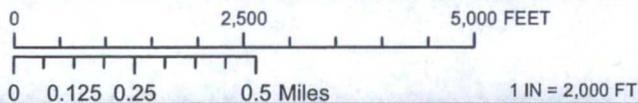
T 24 S
T 25 S

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

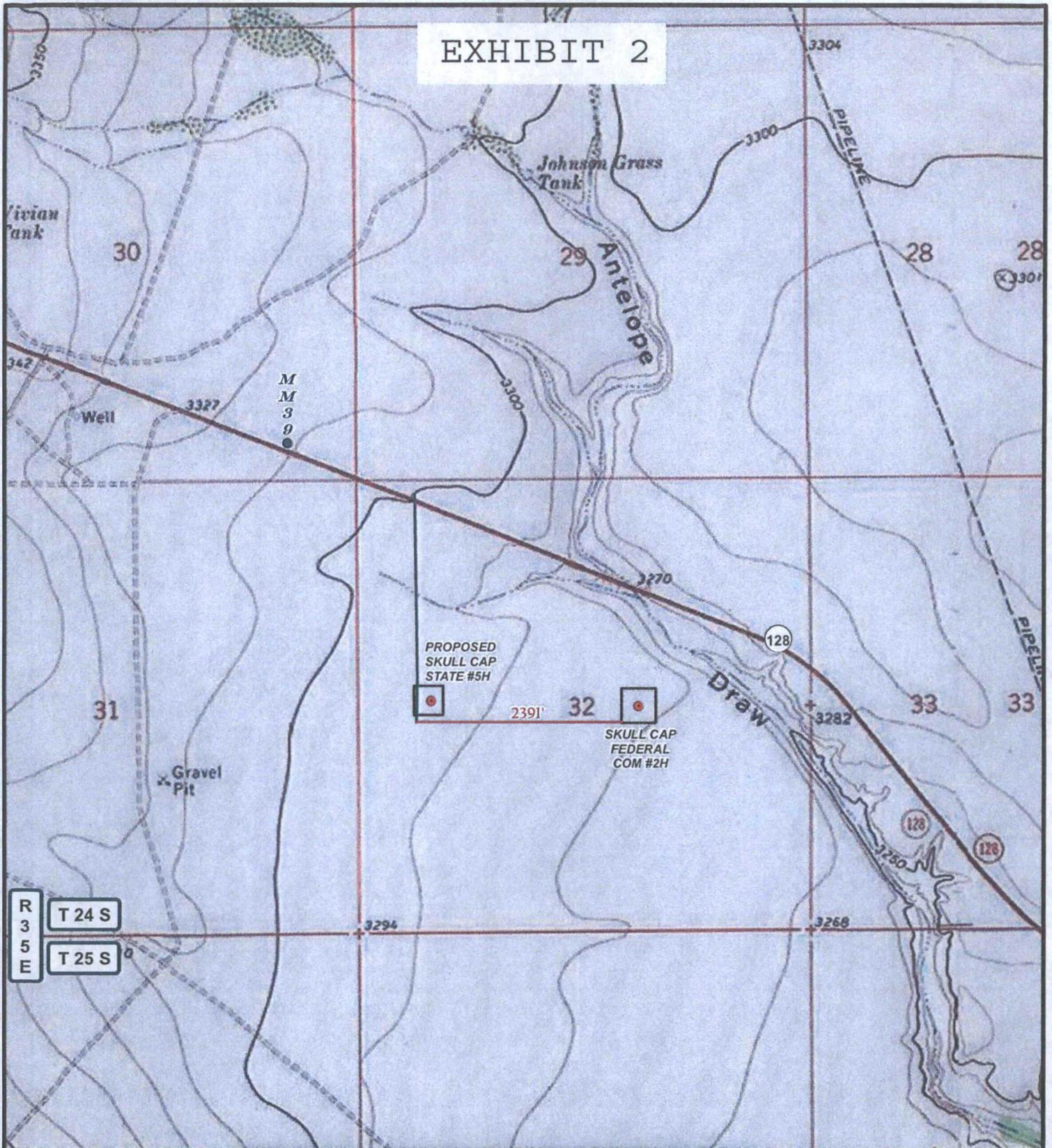


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EXHIBIT 2



R
3
5
E

T 24 S

T 25 S

PROPOSED SKULL CAP STATE #5H

2391'

32

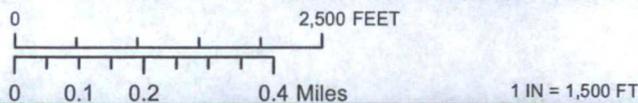
SKULL CAP FEDERAL COM #2H

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SKULL CAP FEDERAL COM #2H

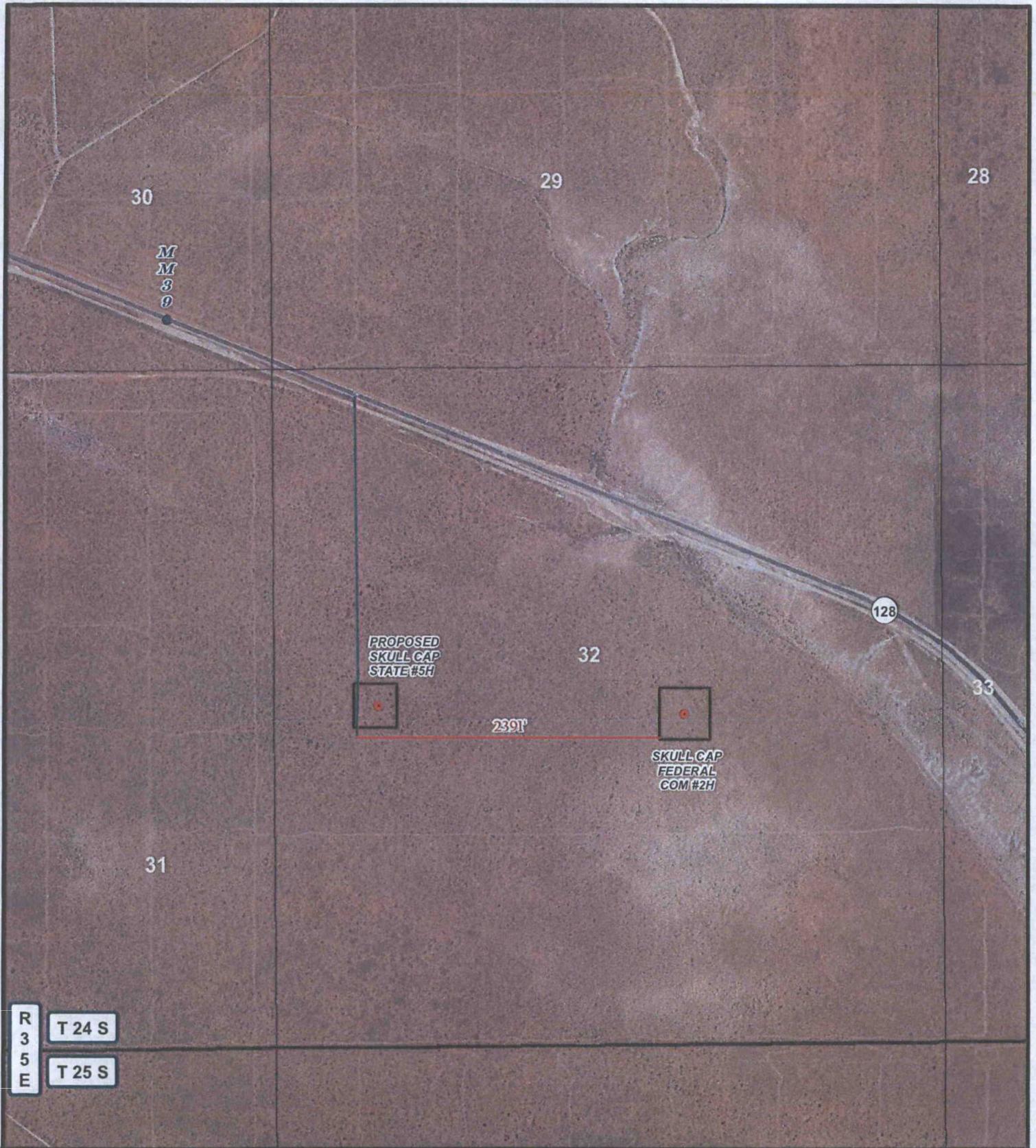
SEC:32	TWP:24 S.	RGE:35 E.	ELEVATION:3286.0'
STATE: NEW MEXICO		COUNTY: LEA	2590' FSL & 1980' FEL
W.O. #16-8	LEASE: SKULL CAP FED COM		SURVEY: N.M.P.M



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T 24 S

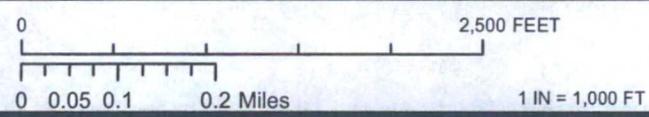
T 25 S

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

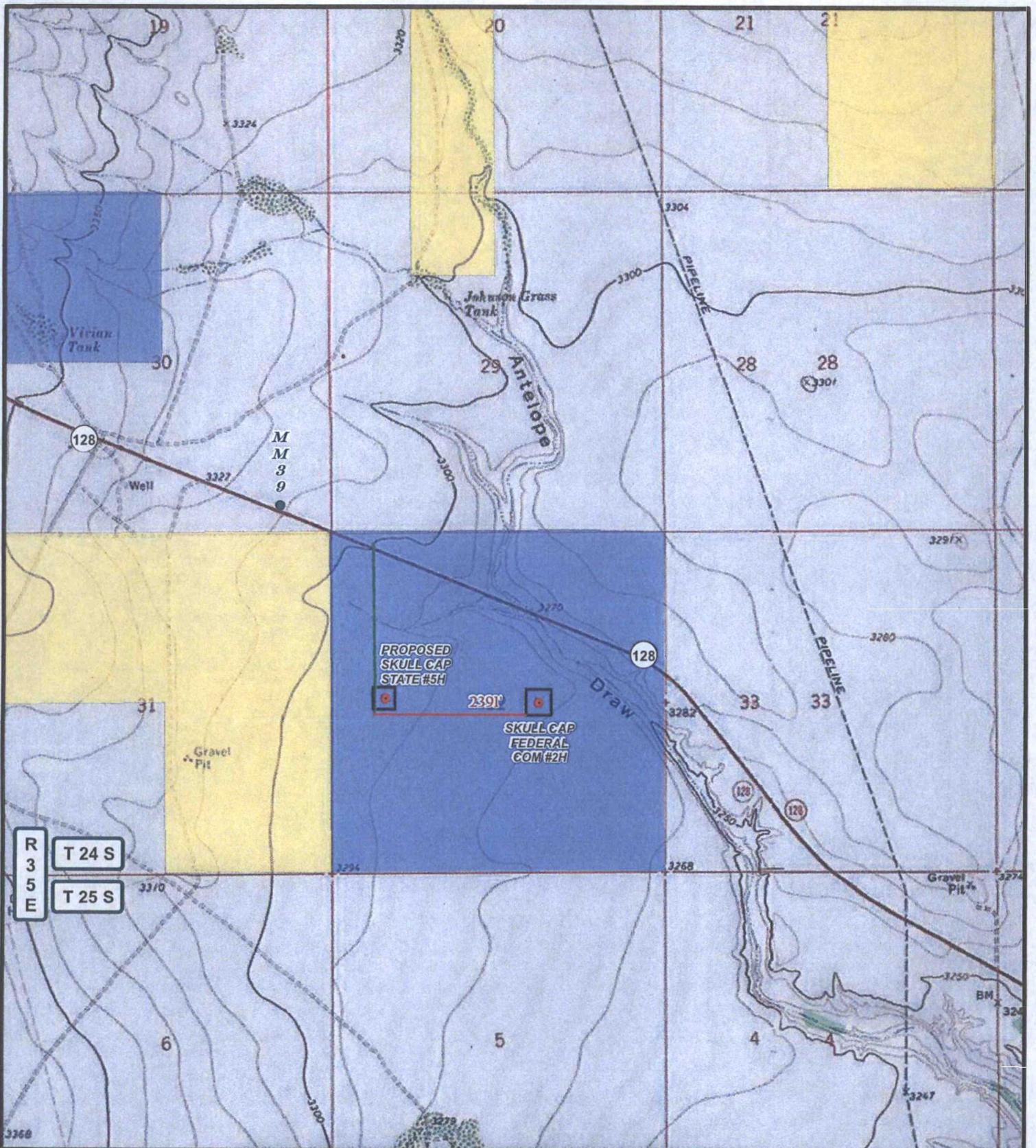


CONCHO

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HS HARCROW SURVEYING, LLC.

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R
3
5
E

T 24 S

T 25 S

PROPOSED
SKULL GAP
STATE #5H

2391'

SKULL GAP
FEDERAL
COM #2H

LEGEND

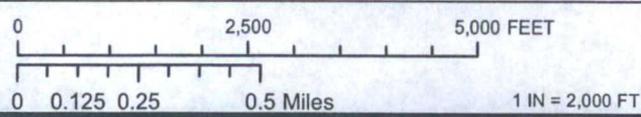
- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- PRIVATE
- STATE OF NM
- US BLM

SKULL GAP 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 GAP FED COM SURVEY: N.M.P.M



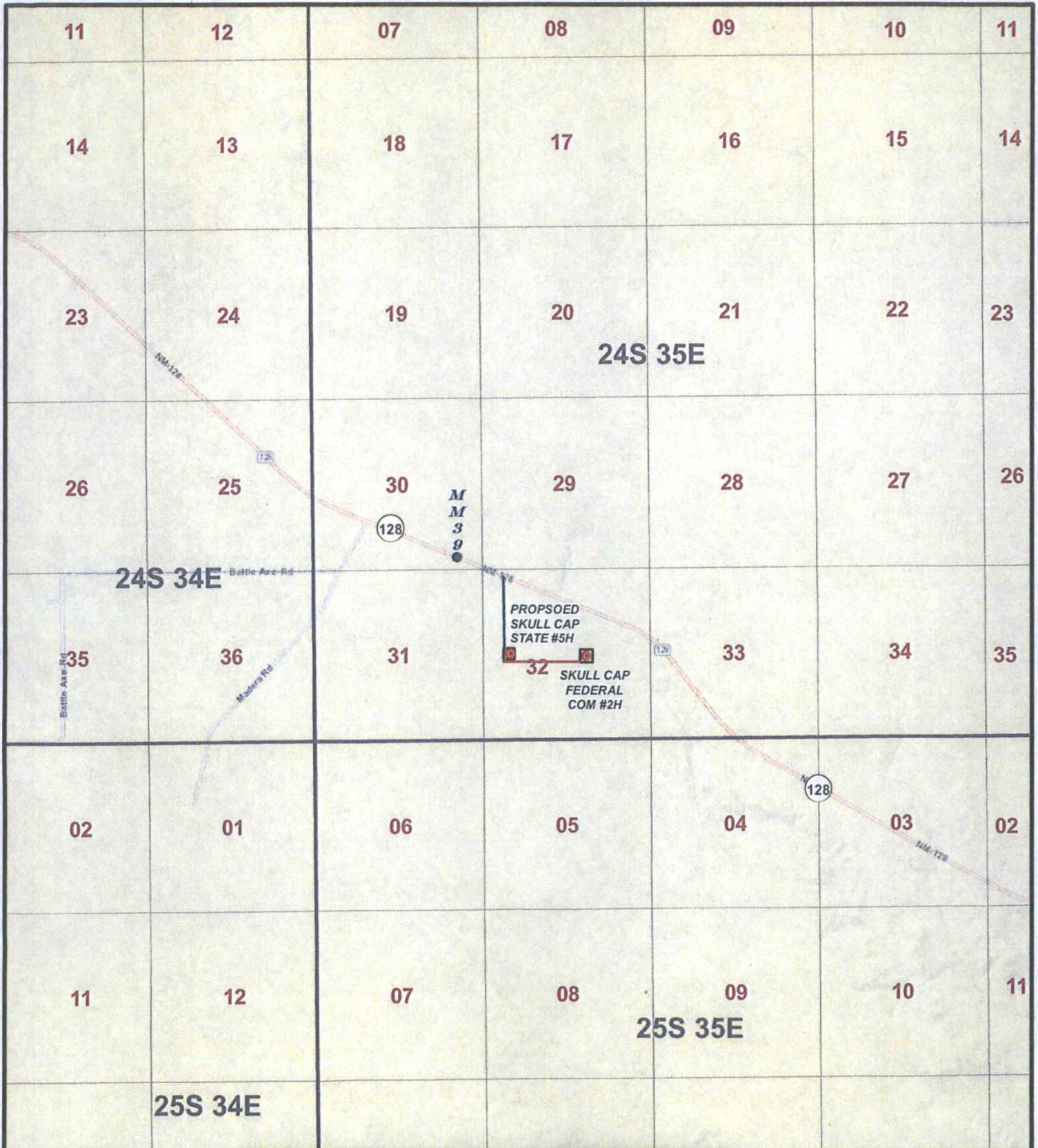
LOCATION MAP LAND STATUS 01/07/2015

CONCHO

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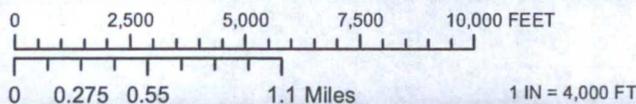


LEGEND

- 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



VICINITY MAP

01/07/2015

A E

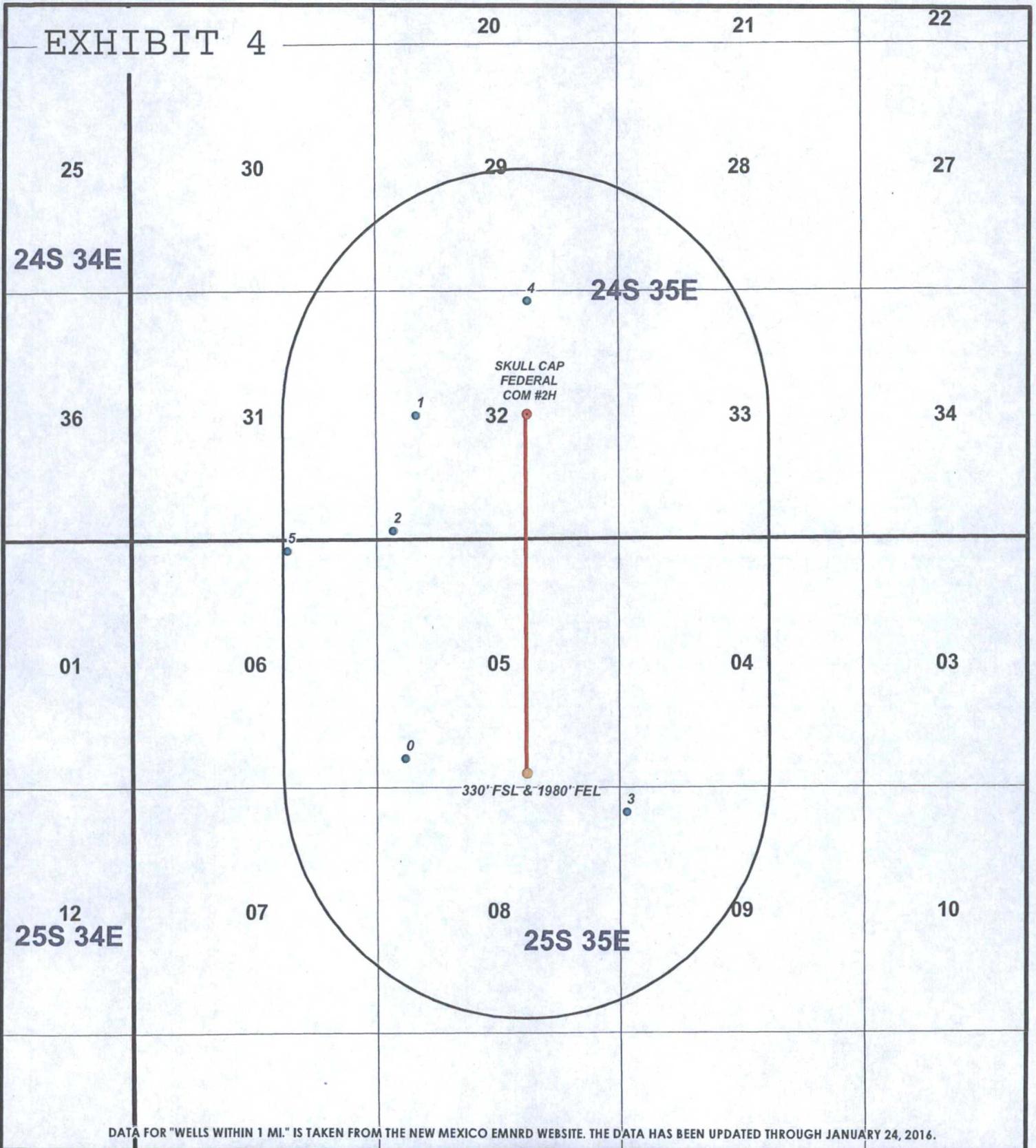


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EXHIBIT 4



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



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

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FIG_NS	NS_CD	FIG_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
2	COG OPERATING LLC	SKULL CAP STATE 004H	32.167264	-103.39674	3002542179	32	24.0S	35E	190	S	380	W	0	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	9242	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)