

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) 748-1283 Fax: (575) 748-9720

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) 476-3482

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

APR 21 2016

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43175	Pool Code 97784	Pool Name WC-025 G-06 S253201M; Upper Bone Spring
Property Code 38538	Property Name DOS XX 27 FED COM	Well Number 4H
OGRID No. 217955	Operator Name COG OPERATING, LLC	Elevation 3589.4'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	24-S	32-E		190	NORTH	2180	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	27	24-S	32-E		330'	SOUTH	2260	EAST	LEA
Dedicated Acres 160	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

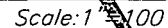
<p>Y=435555.8 N X=707653.9 E</p> <p>NMNM120907</p> <p>NAD 27 SURFACE LOCATION Y=435369.9 N X=708119.4 E LAT.=32.195159° N LONG.=103.660547° W</p> <p>NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=430613.6 N X=708064.9 E LAT.=32.182086° N LONG.=103.660819° W</p> <p>NMLC0061936</p> <p>Y=430278.4 N X=707687.4 E</p> <p>Y=430296.5 N X=709006.9 E</p> <p>2260'</p> <p>330' B.H.</p> <p>PRODUCING AREA PROJECT AREA</p> <p>GRID AZ. - 180°39'23" HORZ. DIST. - 4756.6</p> <p>190' S.L.O.</p> <p>2180'</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> 12/15/15 Signature Date Melanie J Wilson Printed Name mwilson@concho.com 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>OCTOBER 17, 2014 Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Chad L. Harcrow</i> 11/10/14 Certificate No. CHAD HARCROW 17777 W.O. # 14-994 DRAWN BY: AF</p>
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APR 22 2016

NEW MEXICO

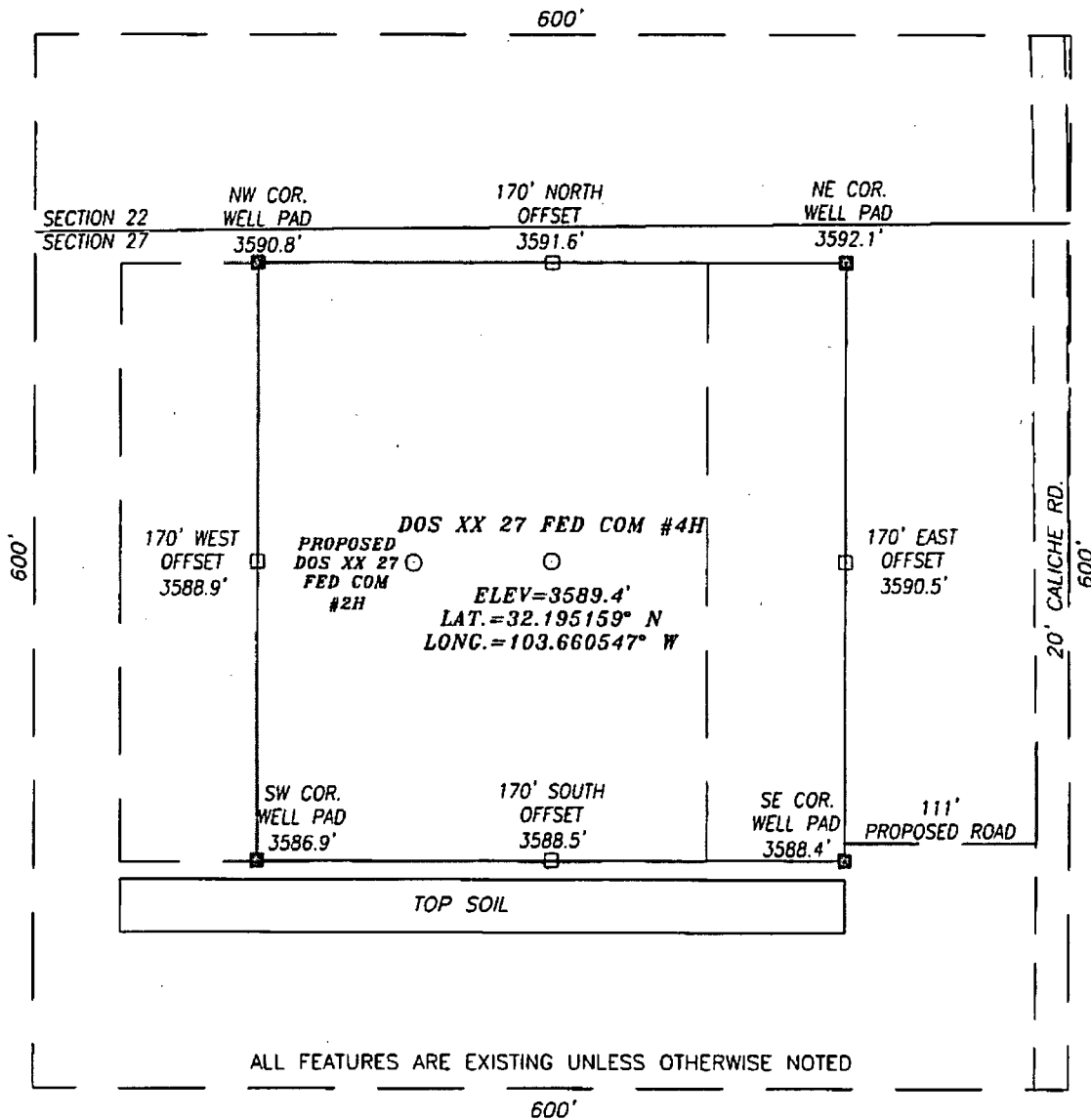


HEADING EAST ON HWY 128 TURN RIGHT (SOUTH) APPROX. 0.7 MILES PAST CR 1 (ORLA RD) AND GO APPROX. 1.3 MILES; THEN PROPOSED WELL IS APPROX. 290 FEET WEST



FILE: 15-1385

SECTION 27, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

HEADING EAST ON HWY 128 TURN RIGHT (SOUTH) APPROX. 0.7
MILES PAST CR 1 (ORLA RD) AND GO APPROX. 1.3 MILES;
THEN PROPOSED WELL IS APPROX. 290 FEET WEST

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210

PH: (575) 746-2158 FAX: (575) 746-2158

c.harcrow@harcrowsurveying.com



CERTIFICATION

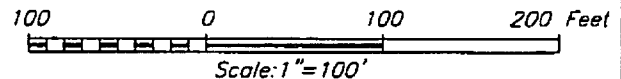
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY
THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS
SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICO.



Chad Harcrow

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

2/4/16
DATE



COG OPERATING, LLC

DOS XX 27 FED COM #4H
LOCATED 190 FEET FROM THE NORTH LINE
AND 2180 FEET FROM THE EAST LINE OF SECTION 27,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 10/17/2014

PAGE: 1 OF 1

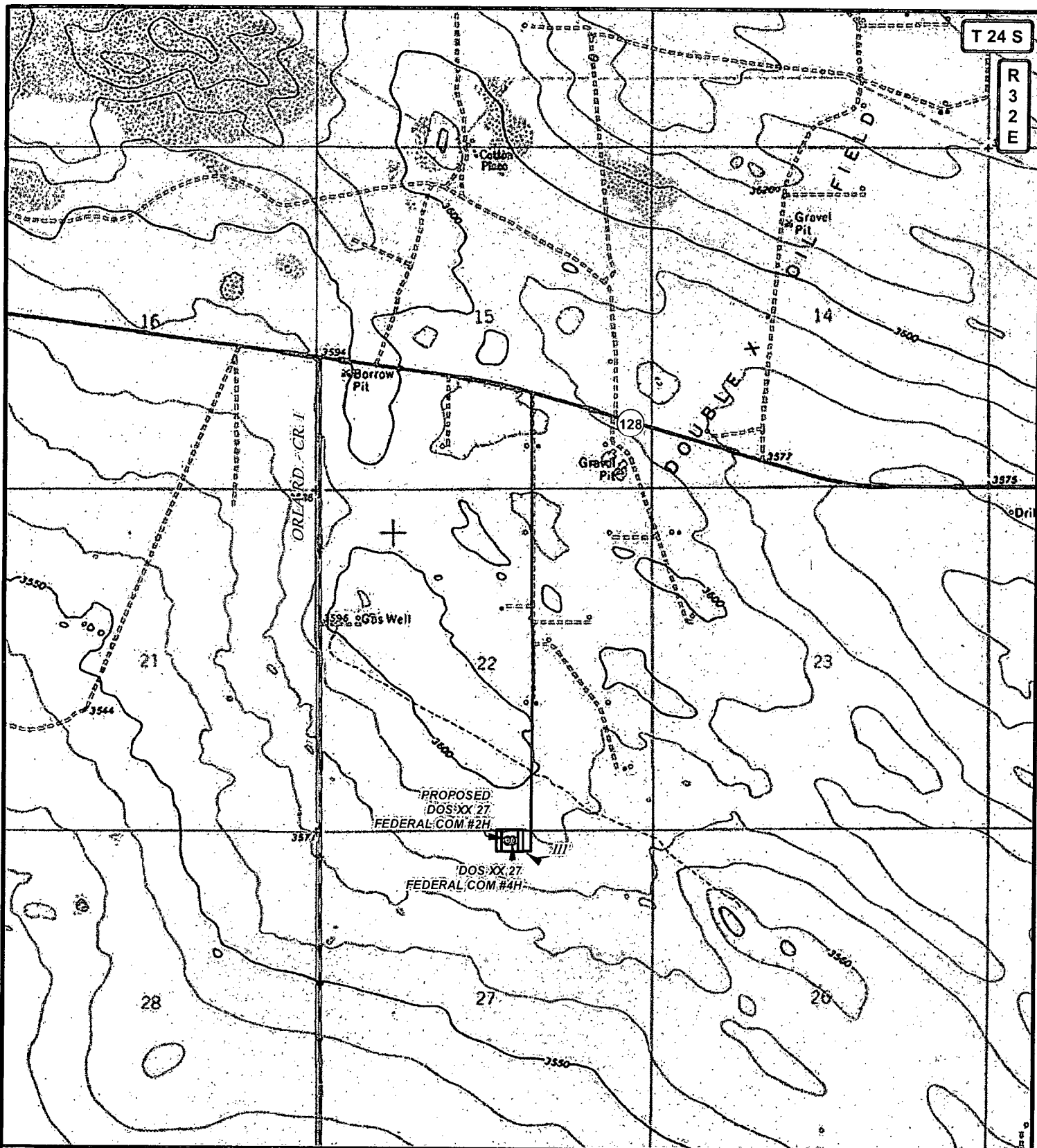
DRAFTING DATE: 11/04/2014

REV: 12/3/2015

APPROVED BY: CH

DRAWN BY: AM

FILE: 15-1385



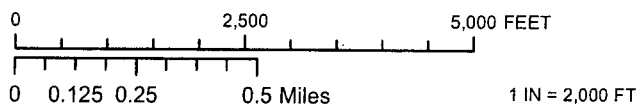
T 24 S
R 32 E

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

DOS XX 27 FEDERAL COM #4H

SEC: 27 TWP: 24 S. RGE: 32 E. ELEVATION: 3589.4'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 2180' FEL
 W.O. # 15-1385 LEASE: DOS XX 27 FED COM SURVEY: N.M.P.M



LOCATION MAP

TOPO

12/03/2015

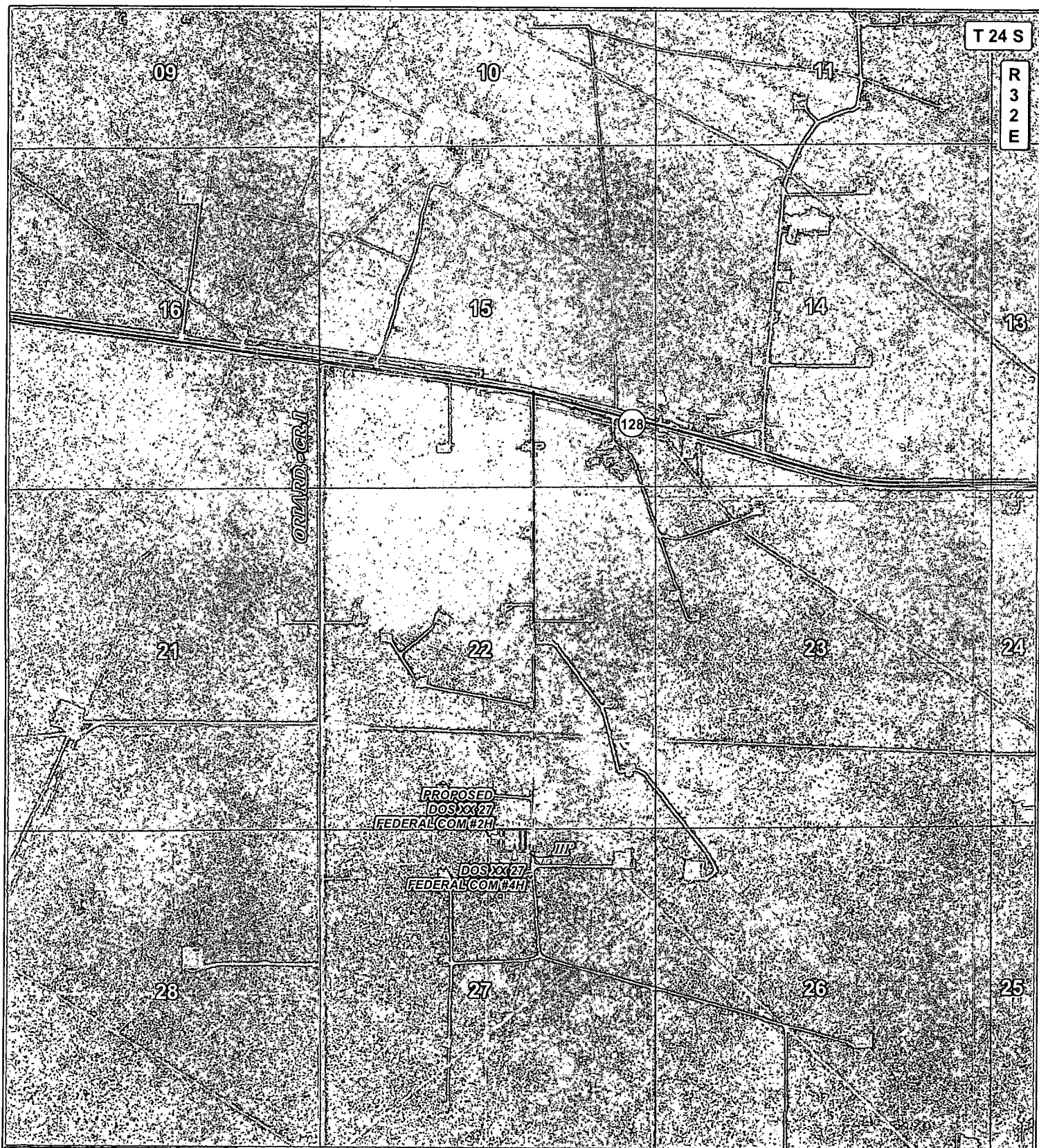
A.F.



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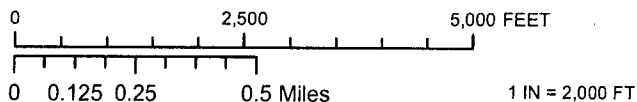


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

DOS XX 27 FEDERAL COM #4H

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LOCATION MAP

IMAGERY

12/03/2015

A.F.



COG OPERATING, LLC

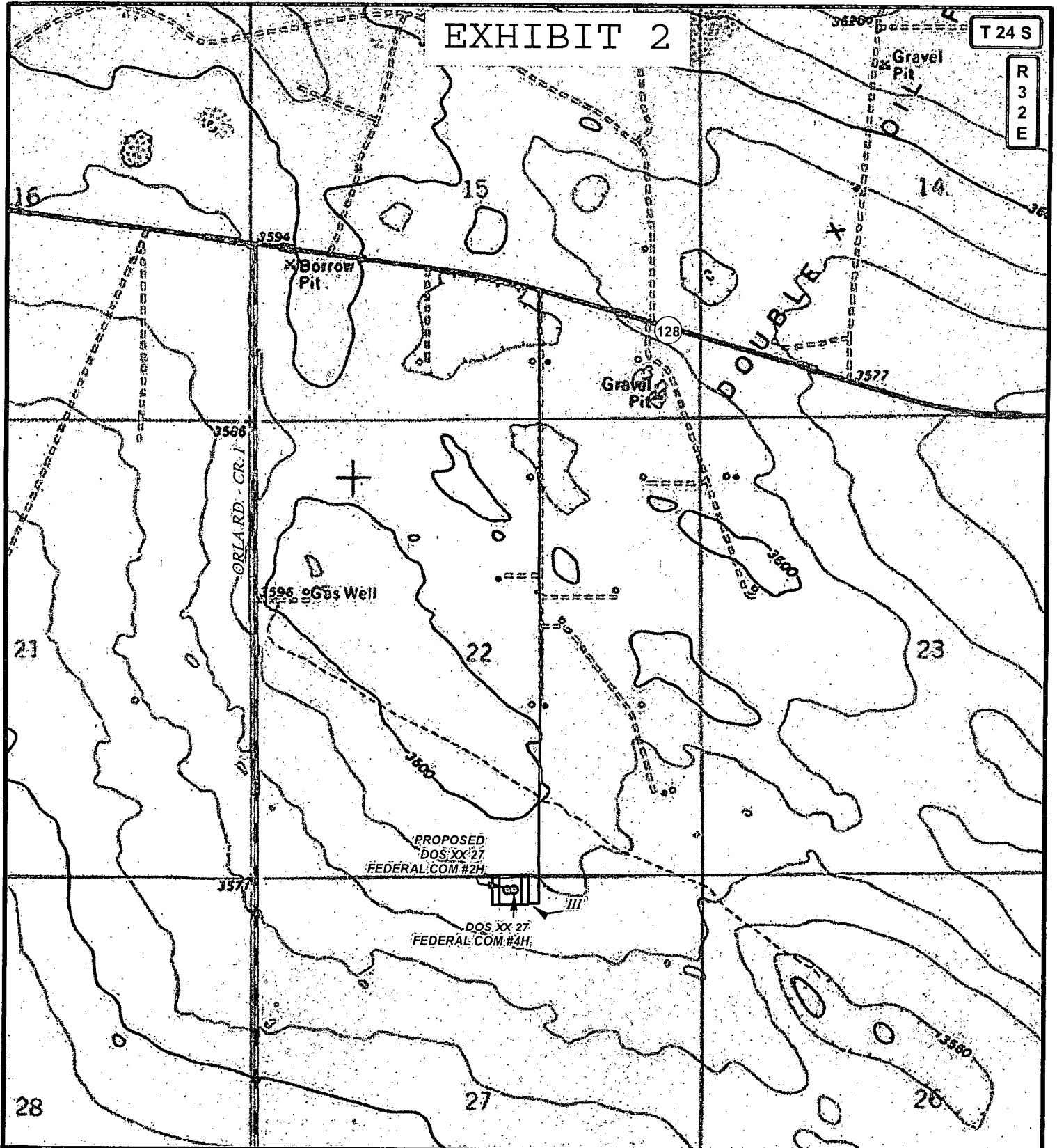


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EXHIBIT 2

T 24 S

R 32 E



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

DOS XX 27 FEDERAL COM #4H

SEC: 27 TWP: 24 S. RGE: 32 E. ELEVATION: 3589.4'
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 W.O. # 15-1385 LEASE: DOS XX 27 FED COM SURVEY: N.M.P.M

0 2,500 FEET

0 0.1 0.2 0.4 Miles

1 IN = 1,500 FT

LOCATION MAP

TOPO ROAD

12/03/2015

A.F.



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T 24 S

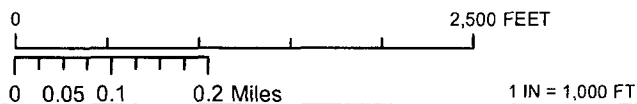
R 32 E

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

DOS XX 27 FEDERAL COM #4H

SEC: 27 TWP: 24 S. RGE: 32 E. ELEVATION: 3589.4'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 2180' FEL
 W.O. # 15-1385 LEASE: DOS XX 27 FED COM SURVEY: N.M.P.M



LOCATION MAP

IMAGERY ROAD

12/03/2015

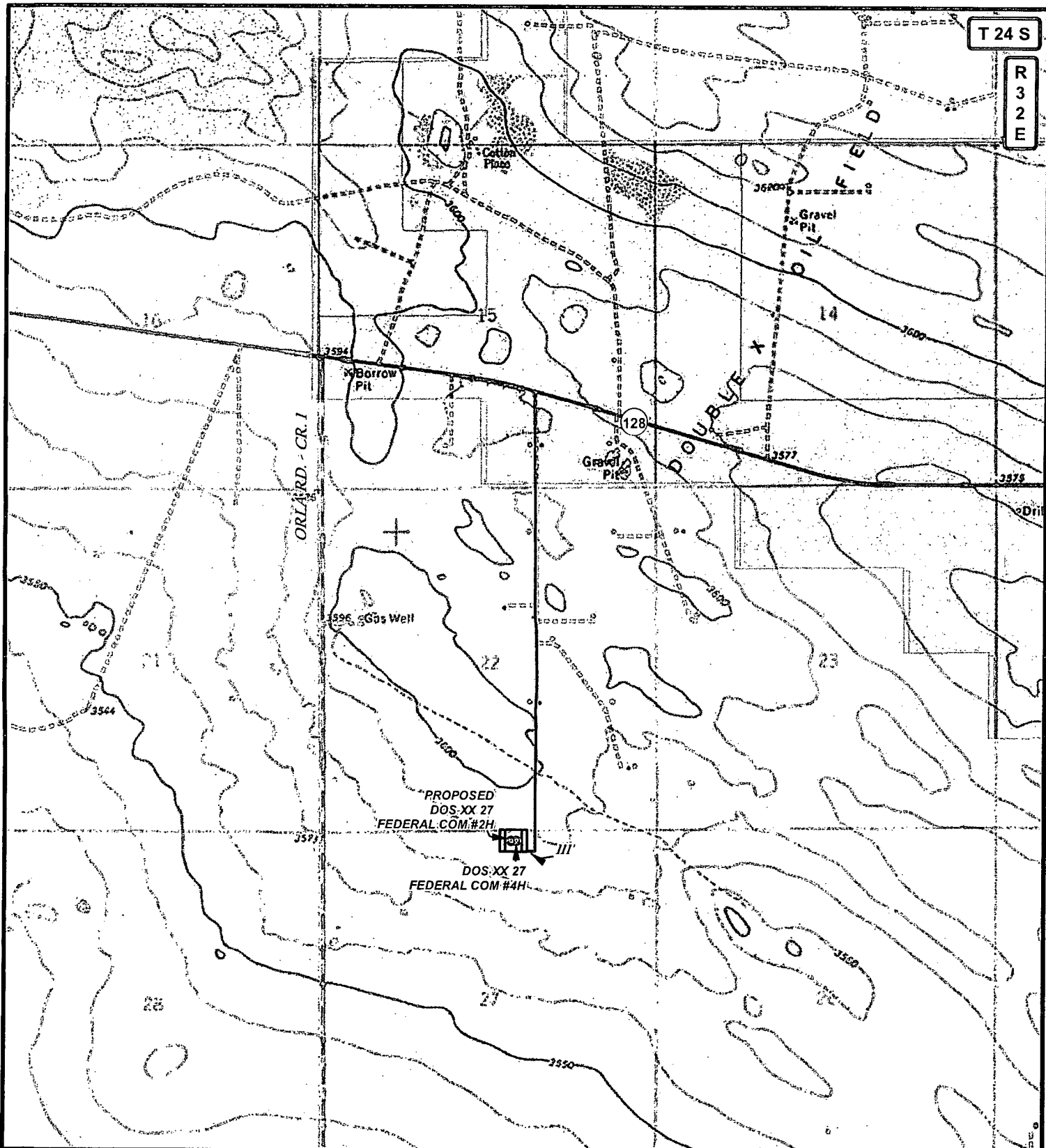
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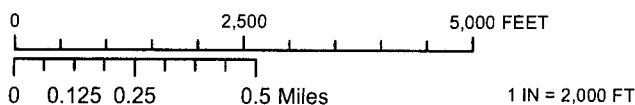
T 24 S
R 32 E

LEGEND

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

DOS XX 27 FEDERAL COM #4H

SEC: 27 TWP: 24 S. RGE: 32 E. ELEVATION: 3589.4'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 2180' FEL
 W.O. # 15-1385 LEASE: DOS XX 27 FED COM SURVEY: N.M.P.M



LOCATION MAP

LAND STATUS

12/03/2015

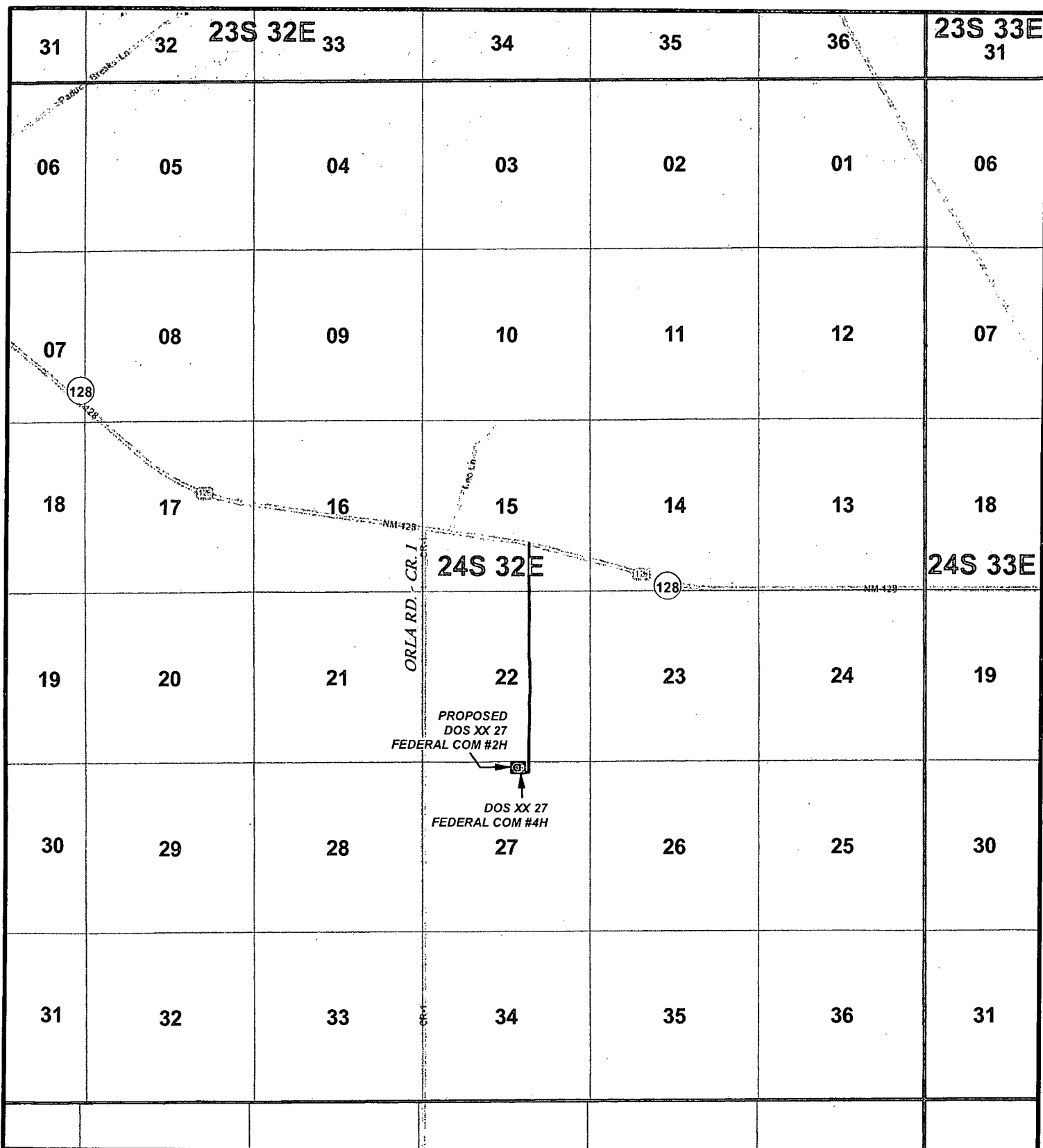
A.F.



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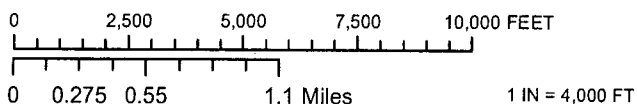


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

DOS XX 27 FEDERAL COM #4H

SEC: 27 TWP: 24 S. RGE: 32 E. ELEVATION: 3589.4'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 2180' FEL
 W.O. # 15-1385 LEASE: DOS XX 27 FED COM SURVEY: N.M.P.M



VICINITY MAP

12/03/2015

A.F.

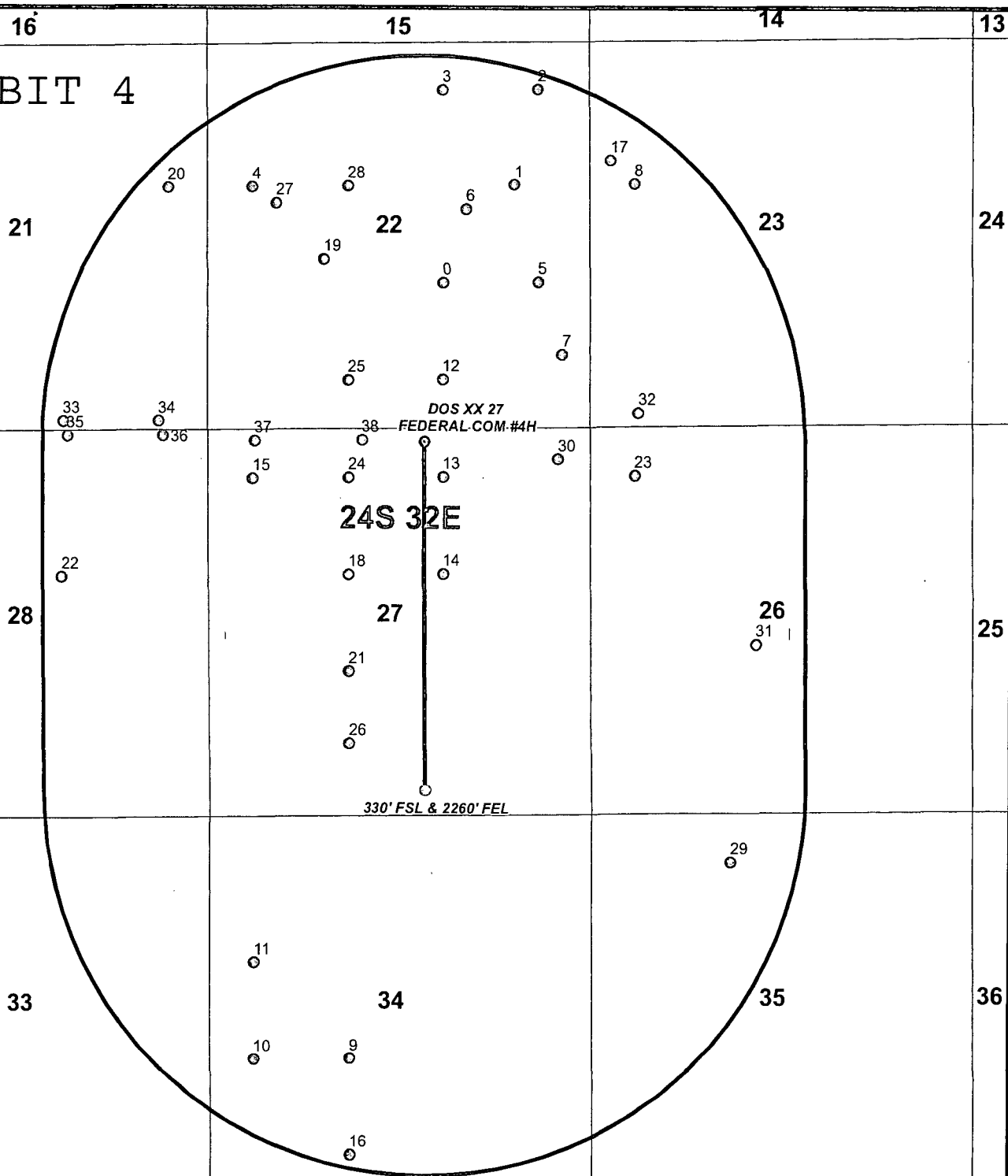


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EXHIBIT 4



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH NOVEMBER 14, 2015.

LEGEND

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

DOS XX 27 FED COM #4H

SEC:27 TWP:24 S. RGE:32 E. ELEVATION:3589.4'

STATE: NEW MEXICO COUNTY:LEA 190' FNL & 2180' FEL

W.O. #15-1385 LEASE: DOS XX 27 FED COM 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

12/03/2015

A.F



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FID	Shape *	OPERATOR	WELL_NAME	DOS XX 27 FEDERAL COM #4H	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	Point	MARKS AND GARNER PRODUCTION LTD CO	BRADLEY FEDERAL 001		32.201213	-103.660434	3002508154	22	24.05	32E	1980 S		1980 E		4966	Plugged
1	Point	MCI OPERATING OF NM, LLC	BRADLEY FEDERAL 002		32.204869	-103.657211	3002508155	22	24.05	32E	1980 N		1980 E		4976	Active
2	Point	MARKS AND GARNER PRODUCTION LTD CO	BRADLEY FEDERAL 003		32.208501	-103.656132	3002508156	22	24.05	32E	660 N		660 E		4980	Plugged
3	Point	MCI OPERATING OF NM, LLC	U S SMELTING FEDERAL 001		32.208486	-103.66042	3002508157	22	24.05	32E	660 N		1980 E		5014	Active
4	Point	BILL J GRAHAM OIL & GAS	U S SMELTING FEDERAL 002		32.204827	-103.668935	3002508158	22	24.05	32E	1980 N		660 W		5296	Plugged
5	Point	MCI OPERATING OF NM, LLC	U S SMELTING FEDERAL 003		32.201227	-103.656146	3002508159	22	24.05	32E	1980 S		660 E		5005	Active
6	Point	MCI OPERATING OF NM, LLC	U S SMELTING FEDERAL 004		32.203954	-103.659357	3002508160	22	24.05	32E	2310 N		1650 E		4985	Active
7	Point	MCI OPERATING OF NM, LLC	U S SMELTING FEDERAL SWD 005		32.198509	-103.655079	3002508161	22	24.05	32E	990 S		330 E		4995	Active
8	Point	CURTIS HANKAMER	ERNEST FEDERAL 001		32.20489	-103.651851	3002508162	23	24.05	32E	1980 N		660 W		5020	Plugged
9	Point	SAHARA OPERATING CO	COTTON DRAW UNIT 069		32.172152	-103.664683	3002522294	34	24.05	32E	1980 S		1980 W		4937	Active
10	Point	SAHARA OPERATING CO	COTTON DRAW UNIT 070		32.172138	-103.66897	3002522439	34	24.05	32E	1980 S		660 W		4850	Active
11	Point	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT 071		32.175777	-103.668967	3002522591	34	24.05	32E	1980 N		660 W		4850	Plugged
12	Point	RALPH E WILLIAMSON	GRAHAM FEDERAL 001		32.197584	-103.660442	3002524929	22	24.05	32E	660 S		1980 E		4957	Plugged
13	Point	RALPH E WILLIAMSON	WRIGHT FEDERAL 001		32.193955	-103.660448	3002524948	27	24.05	32E	660 N		1980 E		4937	Plugged
14	Point	RALPH E WILLIAMSON	WRIGHT FEDERAL 002		32.190327	-103.660455	3002526360	27	24.05	32E	1980 N		1980 E		4885	Plugged
15	Point	WOODS PETROLEUM COR	FEDERAL 27 001		32.193928	-103.668952	3002527015	27	24.05	32E	660 N		660 W		4979	Plugged
16	Point	SAHARA OPERATING CO	COTTON DRAW UNIT 074		32.168523	-103.664686	3002527186	34	24.05	32E	660 S		1980 W		4967	Active
17	Point	ROBERT H FORREST JR OIL LLC	EXXON 23 FEDERAL 002		32.205792	-103.652921	3002527834	23	24.05	32E	1650 N		330 W		5013	Active
18	Point	ROBERT H FORREST JR OIL LLC	EXXON A FEDERAL 001		32.190313	-103.664668	3002528069	27	24.05	32E	1980 N		1980 W		4905	Active
19	Point	ROBERT H FORREST JR OIL LLC	GRAHAM FEDERAL 001		32.202102	-103.665723	3002528081	22	24.05	32E	2310 S		1650 W		4942	Active
20	Point	JUBILEE ENERGY CORP	EXXON B FEDERAL 001		32.204816	-103.672703	3002528200	21	24.05	32E	1980 N		500 E		4962	Plugged
21	Point	ROBERT H FORREST JR OIL LLC	EXXON A FEDERAL 002		32.186677	-103.664671	3002528202	27	24.05	32E	1980 S		1980 W		4977	Active
22	Point	EXXON CORP	ALLEN B FEDERAL 001		32.190276	-103.67753	3002528237	28	24.05	32E	1980 N		1980 E		8710	Plugged
23	Point	EXXON CORP	JACKSON FEDERAL 001		32.193986	-103.651872	3002528242	26	24.05	32E	660 N		660 W		9350	Plugged
24	Point	ROBERT H FORREST JR OIL LLC	EXXON A FEDERAL 003		32.193942	-103.664665	3002528479	27	24.05	32E	660 N		1980 W		4883	Active
25	Point	ROBERT H FORREST JR OIL LLC	GRAHAM FEDERAL 002		32.19757	-103.664659	3002528522	22	24.05	32E	660 S		1980 W		4947	Active
26	Point	TEMPO ENERGY INC	EXXON A FEDERAL 004		32.183955	-103.664673	3002528654	27	24.05	32E	990 S		1980 W		4862	Plugged
27	Point	MCI OPERATING OF NM, LLC	GRAHAM FEDERAL 003		32.204199	-103.667864	3002528655	22	24.05	32E	2210 N		990 W		4888	Active
28	Point	MCI OPERATING OF NM, LLC	FEDERAL CG 22 001		32.204842	-103.664647	3002528753	22	24.05	32E	1980 N		1980 W		7257	Active
29	Point	EXXON CORP	JACKSON FEDERAL 004		32.17948	-103.647614	3002529212	35	24.05	32E	660 N		1980 W		5100	Plugged
30	Point	COG PRODUCTION, LLC	DOS XX 27 FEDERAL COM 001H		32.194617	-103.655284	3002540090	27	24.05	32E	440 N		440 E		9595	New (Not drilled or compl)
31	Point	COG OPERATING LLC	GOLD COAST 26 FEDERAL SWD 001		32.187653	-103.646442	3002541570	26	24.05	32E	2310 S		2310 W		7200	New (Not drilled or compl)
32	Point	XTO ENERGY, INC	CHARRO FEDERAL 001H		32.19631	-103.651697	3002542794	23	24.05	32E	170 S		660 W		0	New (Not drilled or compl)
33	Point	XTO ENERGY, INC	OUTRIDER FEDERAL 003H		32.196083	-103.677437	3002542867	21	24.05	32E	100 S		2005 E		0	New (Not drilled or compl)
34	Point	XTO ENERGY, INC	OUTRIDER FEDERAL 004H		32.196068	-103.673149	3002542868	21	24.05	32E	100 S		685 E		0	New (Not drilled or compl)
35	Point	XTO ENERGY, INC	CAZADOR FEDERAL 003H		32.195533	-103.677271	3002542871	28	24.05	32E	100 N		1955 E		0	New (Not drilled or compl)
36	Point	XTO ENERGY, INC	CAZADOR FEDERAL 004H		32.195517	-103.672983	3002542872	28	24.05	32E	100 N		635 E		0	New (Not drilled or compl)
37	Point	XTO ENERGY, INC	OUTRIDER FEDERAL 005H		32.195323	-103.668858	3002542931	27	24.05	32E	170 N		635 W		0	New (Not drilled or compl)
38	Point	XTO ENERGY, INC	OUTRIDER FEDERAL 006H		32.195336	-103.664051	3002542932	27	24.05	32E	170 N		2115 W		0	New (Not drilled or compl)