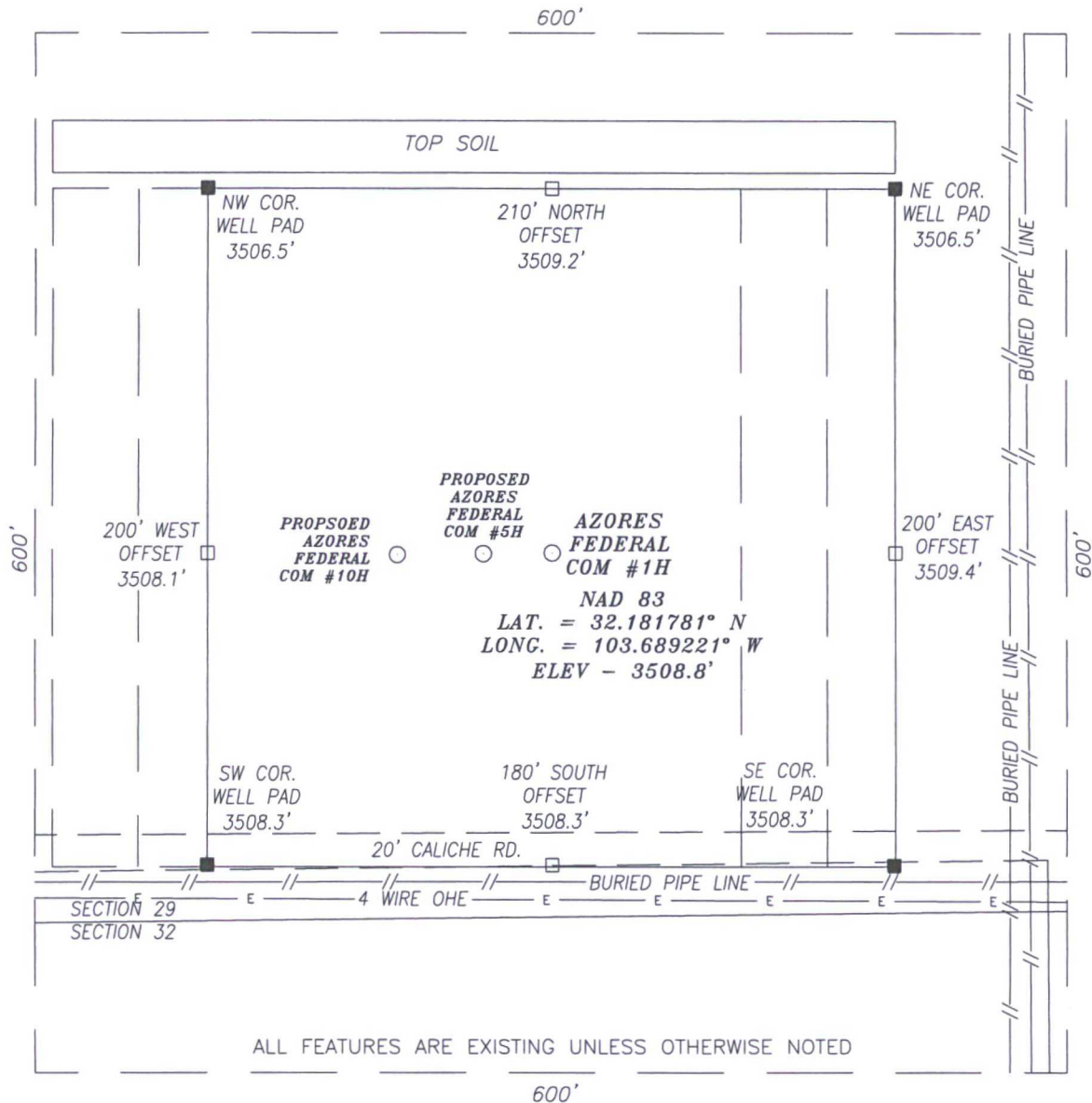


SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



ALL FEATURES ARE EXISTING UNLESS OTHERWISE NOTED

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY 128 AND ORLA RD (J-1) GO SOUTH ON ORLA ROAD FOR APPROX. 2.4 MILES; THEN TURN RIGHT AND GO APPROX. 1.1 MILES; PROPOSED WELL IS APPROX. 180 FEET NORTH.

HARCROW SURVEYING, LLC
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c.harcrow@harcrowsurveying.com



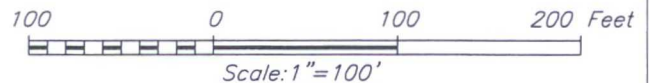
CERTIFICATION

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

9/14/16
DATE



COG PRODUCTION, LLC

AZORES FEDERAL COM #1H WELL
LOCATED 210 FEET FROM THE SOUTH LINE
AND 330 FEET FROM THE EAST LINE OF SECTION 29,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: NOV. 30, 2015

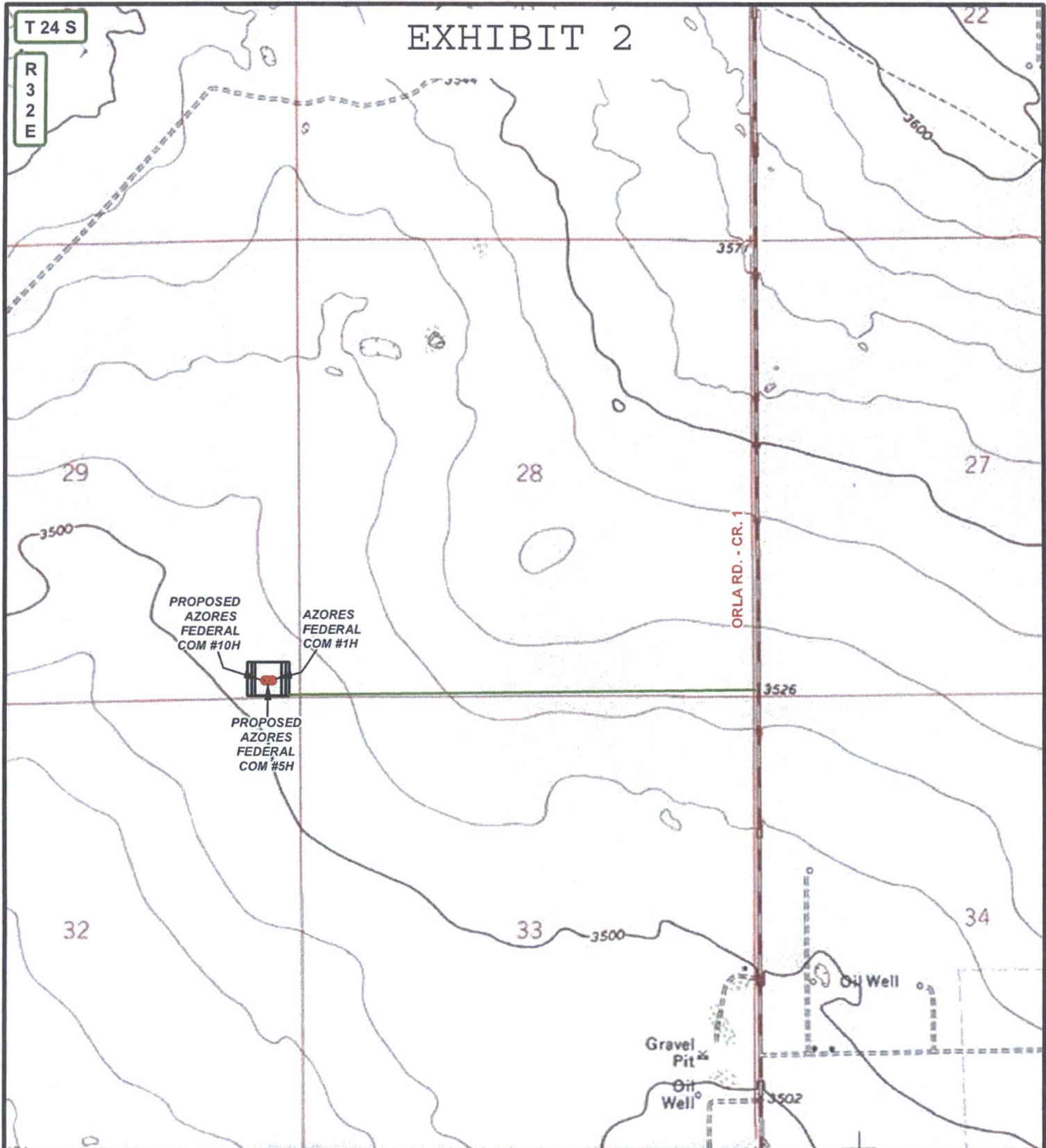
PAGE: 1 OF 1

DRAFTING DATE: SEPT. 14, 2016

APPROVED BY: CH

DRAWN BY: JR

FILE: 16-712



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

AZORES FEDERAL COM #1H

SEC: 29	TWP: 24 S.	RGE: 32 E.	ELEVATION: 3508.8'
STATE: NEW MEXICO	COUNTY: LEA	210' FSL & 330' FEL	
W.O. # 15-1376	LEASE: AZORES FED COM	SURVEY: N.M.P.M	

0 0.1 0.2 0.4 Miles

2,500 FEET

1 IN = 1,500 FT

LOCATION MAPTOPO ROAD12/07/2015A.F.

CONCHO

COG PRODUCTION, LLC

HARCROW SURVEYING, LLC.

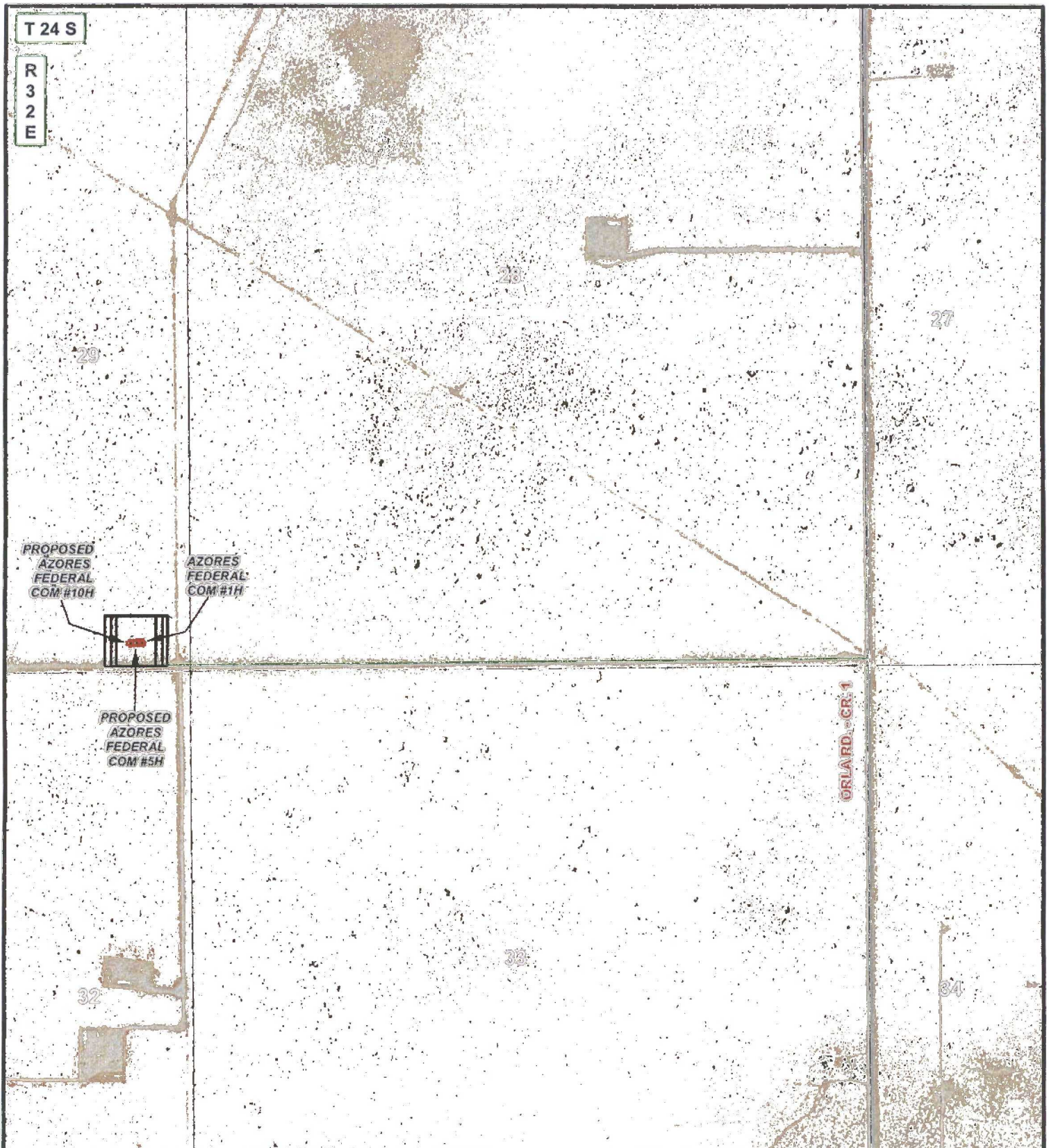
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c.harcrow@harcrowsurveying.com

T 24 S

R 32 E



LEGEND



WELL



WELLPAD



EXISTING ROAD

AZORES FEDERAL COM #1H

SEC: 29 TWP: 24 S. RGE: 32 E. ELEVATION: 3508.8'
STATE: NEW MEXICO COUNTY: LEA 210' FSL & 330' FEL
W.O. # 15-1376 LEASE: AZORES FED COM SURVEY: N.M.P.M

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP

IMAGERY ROAD

12/07/2015

A.F.



COG PRODUCTION, LLC

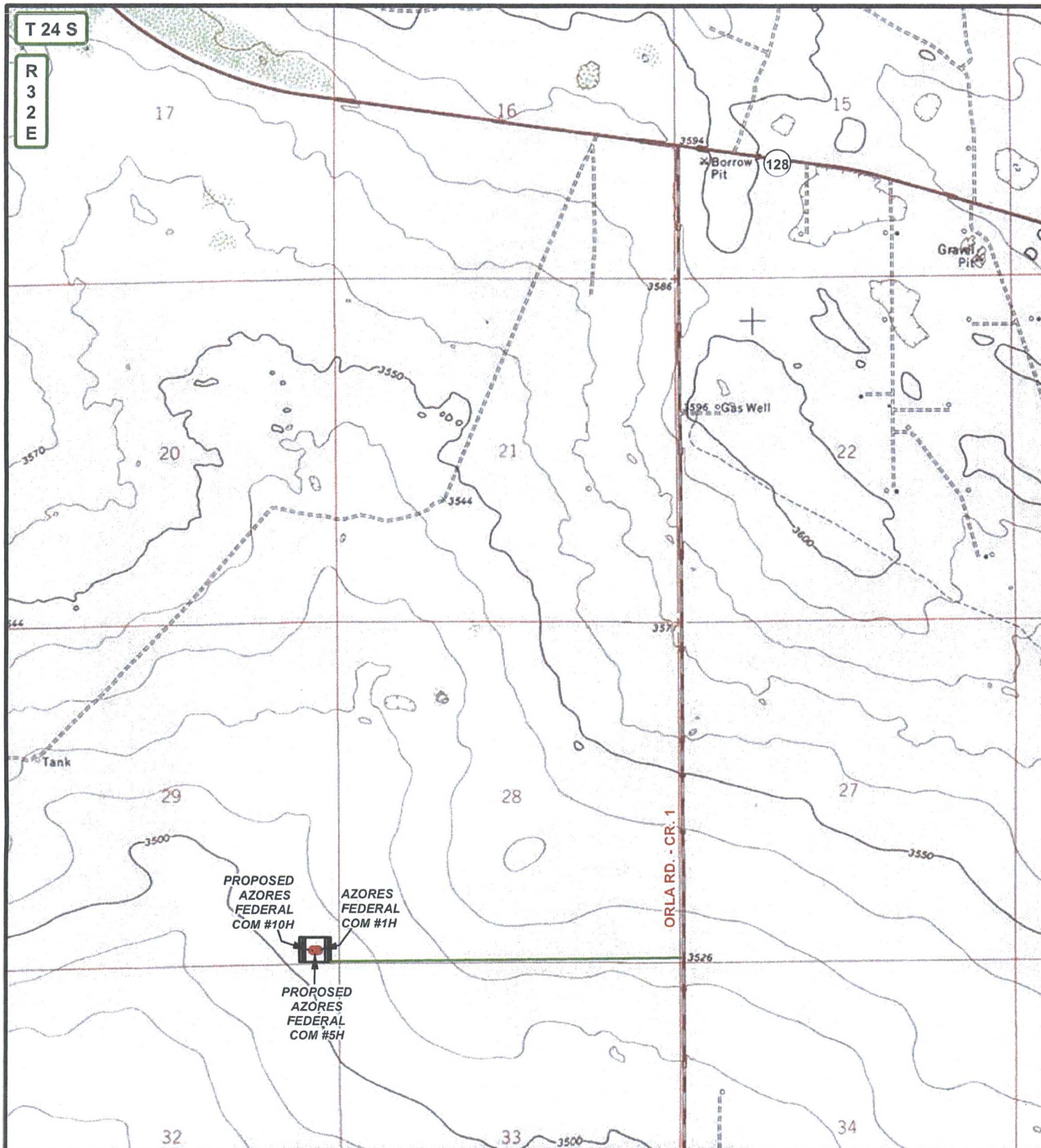


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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

AZORES FEDERAL COM #1H

SEC: 29	TWP: 24 S.	RGE: 32 E.	ELEVATION: 3508.8'
STATE: NEW MEXICO		COUNTY: LEA	210' FSL & 330' FEL
W.O. # 15-1376		LEASE: AZORES FED COM	SURVEY: N.M.P.M



LOCATION MAP

TOPO

12/07/2015

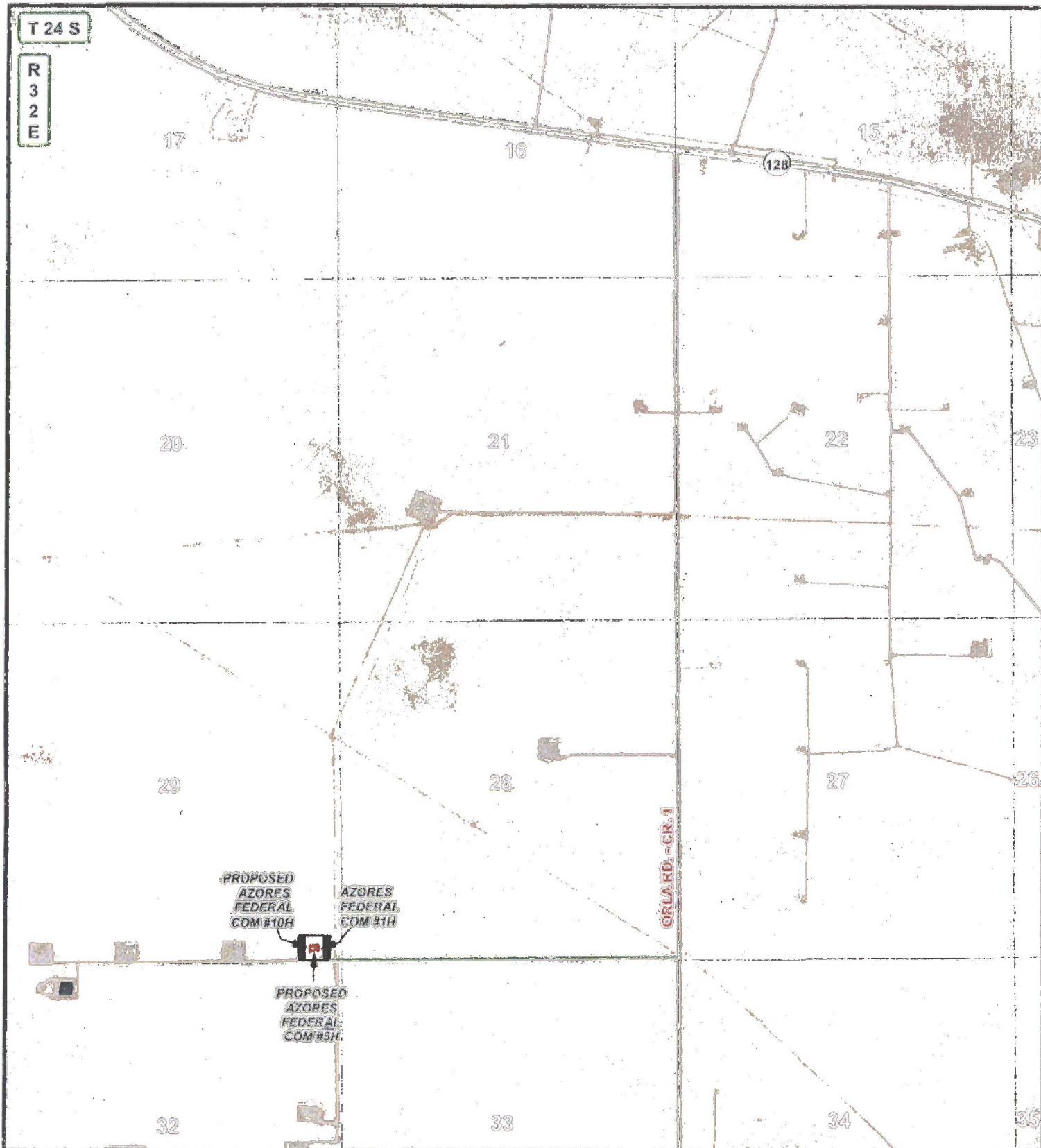
A.F.

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LEGEND

● WELL

□ WELLPAD

— EXISTING ROAD

AZORES FEDERAL COM #1H

SEC: 29	TWP: 24 S.	RGE: 32 E.	ELEVATION: 3508.8'
STATE: NEW MEXICO		COUNTY: LEA	210' FSL & 330' FEL
W.O. # 15-1376		LEASE: AZORES FED COM	SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

12/07/2015

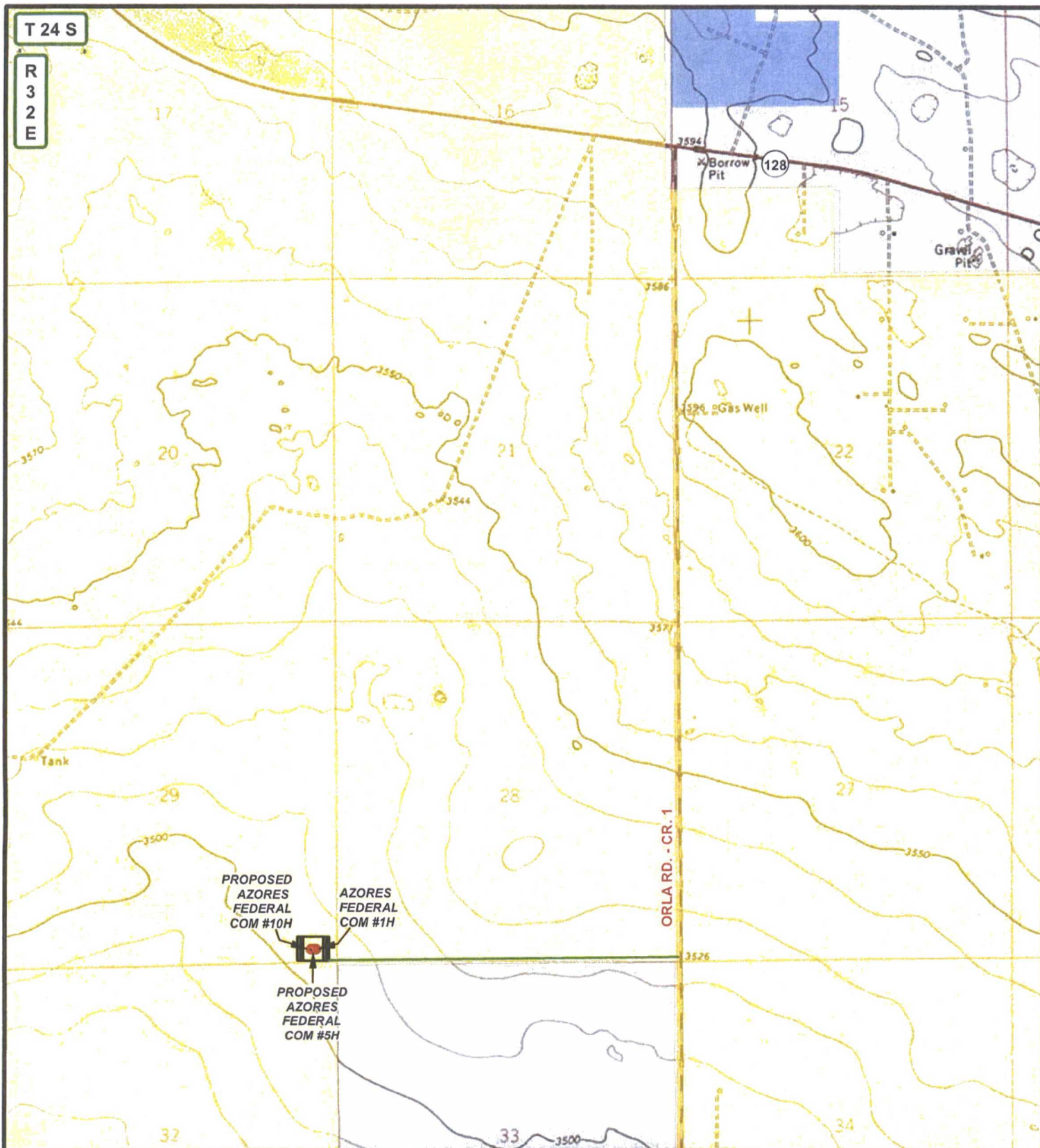
A.F.

CONCHO

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LEGEND

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

AZORES FEDERAL COM #1H

SEC: 29	TWP: 24 S.	RGE: 32 E.	ELEVATION: 3508.8'
STATE: NEW MEXICO		COUNTY: LEA	210' FSL & 330' FEL
W.O. # 15-1376	LEASE: AZORES FED COM		SURVEY: N.M.P.M



LOCATION MAP

LAND STATUS

12/07/2015

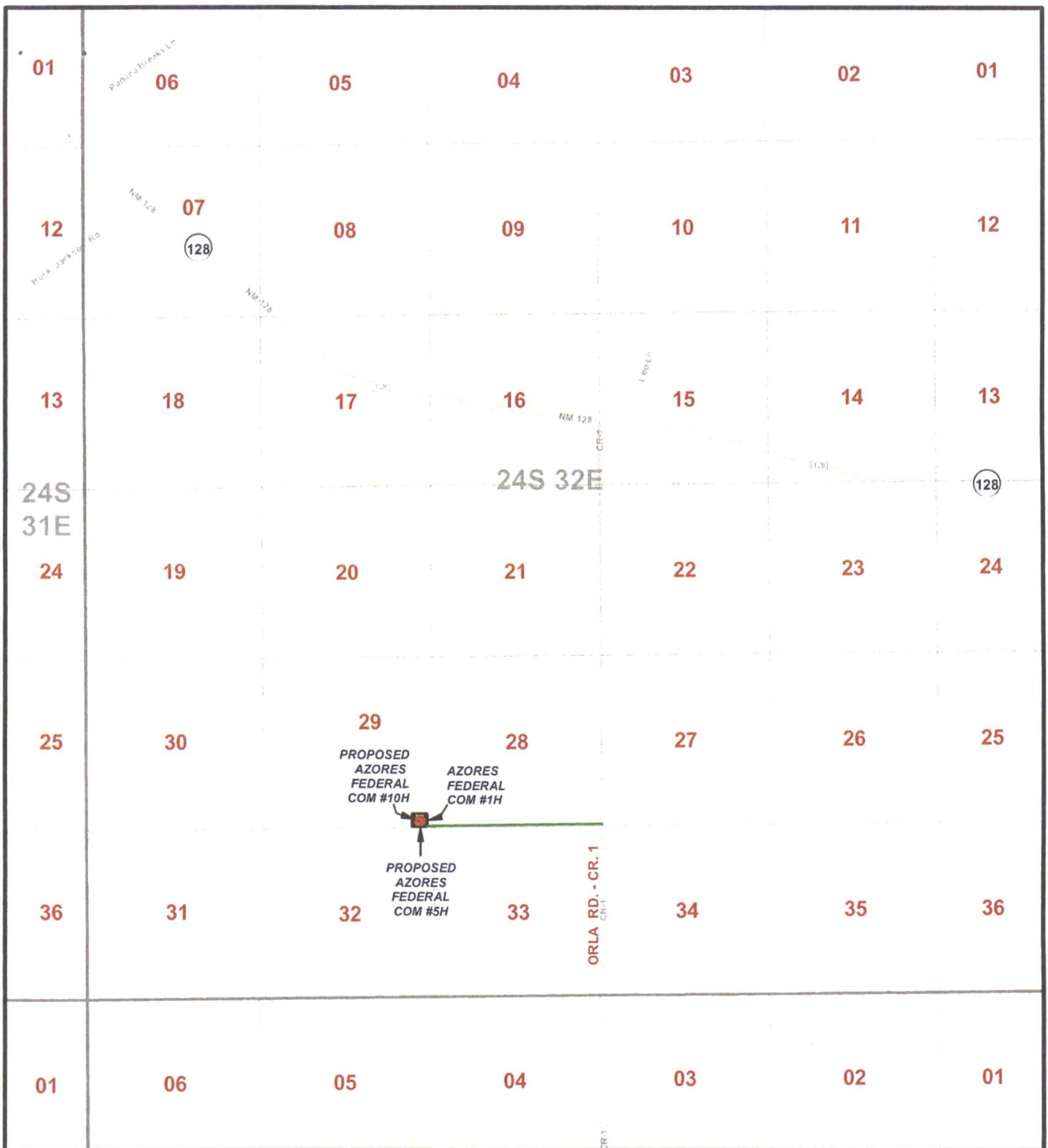
A.F.



COG PRODUCTION, LLC



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LEGEND

• WELL



WELLPAD

— EXISTING ROAD

AZORES FEDERAL COM #1H

SEC: 29 TWP: 24 S. RGE: 32 E. ELEVATION: 3508.8'
 STATE: NEW MEXICO COUNTY: LEA 210' FSL & 330' FEL
 W.O. # 15-1376 LEASE: AZORES FED COM SURVEY: N.M.P.M

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

0 0.275 0.55 1.1 Miles

1 IN = 4,000 FT

VICINITY MAP

12/07/2015

A.F.

CONCHO

COG PRODUCTION, LLC

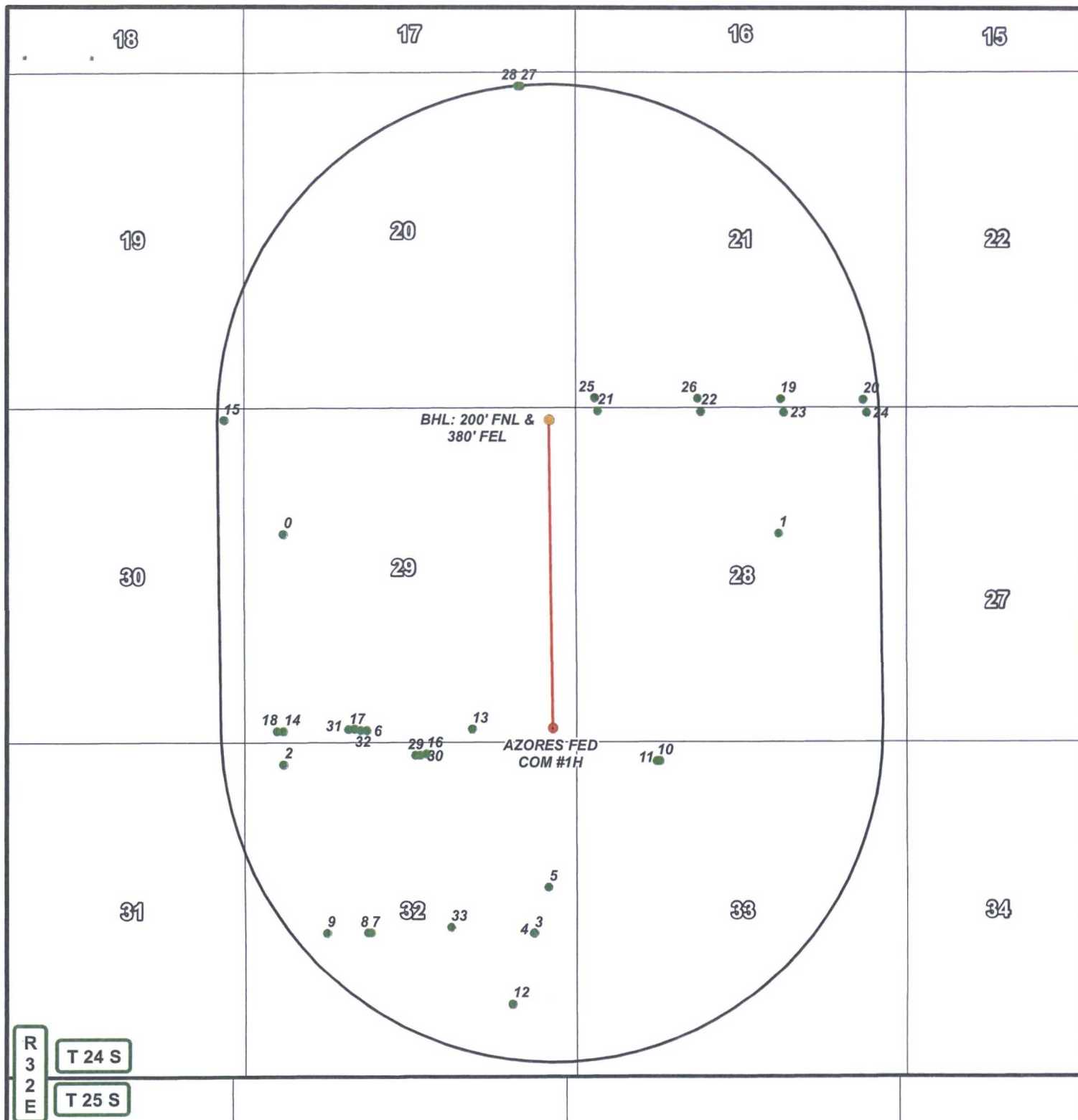


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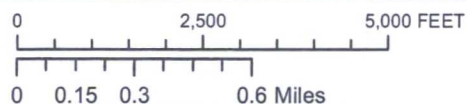
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JULY 16, 2016.

LEGEND

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

AZORES FEDERAL COM #1H

SEC: 29	TWP: 24 S.	RGE: 32 E.	ELEVATION: 3508.8'
STATE: NEW MEXICO	COUNTY: LEA	210' FSL & 330' FEL	
W.O. # 16-853	LEASE: AZORES FED COM	SURVEY: N.M.P.M	



1 IN = 2,500 FT

1 MILE MAP

10/24/2016

S.P.

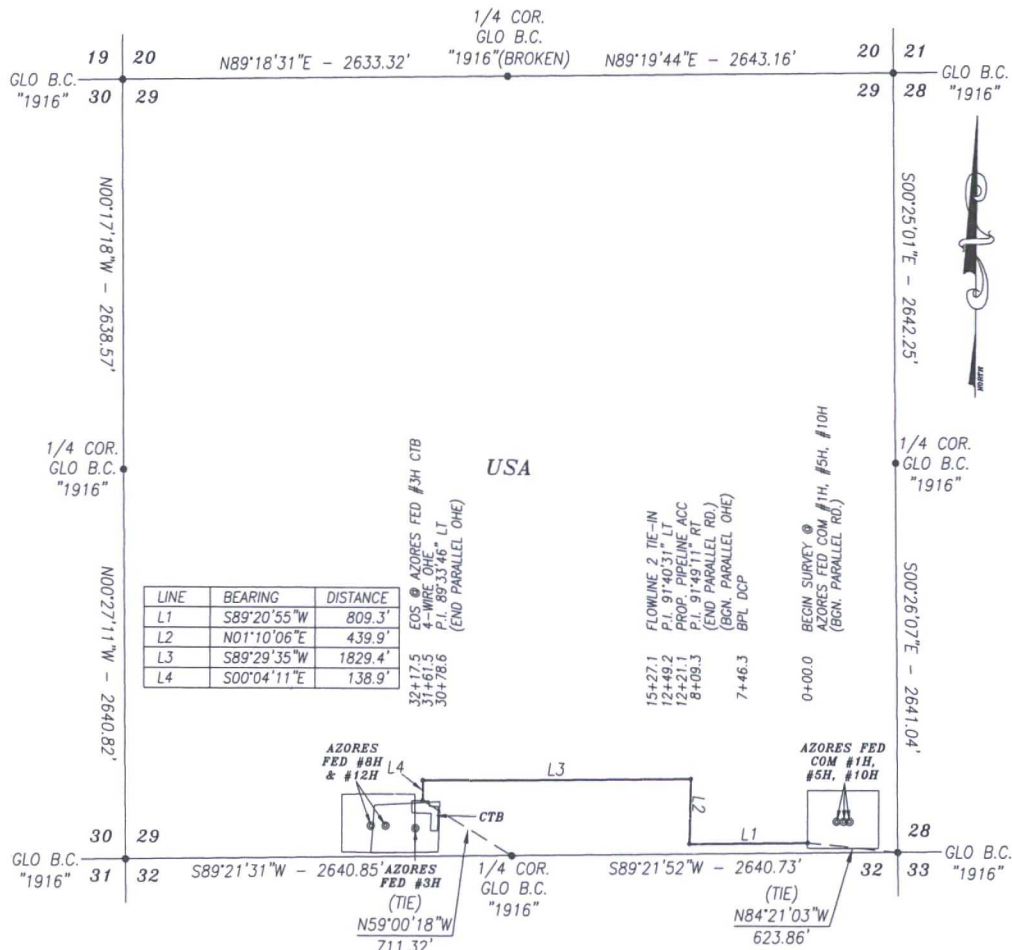
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AZORES FEDERAL COM #1H 1 MILE WELLS (16-853)

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	COMPL_STAT
0	STANOLIND OIL & GAS CO	PAYNE 001	32.190181	-103.703114	3002512715	29	24.0S	32E	1980	N	660	W	Plugged
1	EXXON CORP	ALLEN B FEDERAL 001	32.190276	-103.67753	3002528237	28	24.0S	32E	1980	N	1980	E	Plugged
2	YATES PETROLEUM CORPORATION	CALCUTTA BRZ STATE 001H	32.180179	-103.703088	3002540453	32	24.0S	32E	330	N	660	W	Plugged
3	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE 001I	32.172904	-103.690196	3002540495	32	24.0S	32E	2301	S	661	E	New (Not drilled or compl)
4	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE FEDERAL COM 001I	32.172929	-103.690193	3002540583	32	24.0S	32E	2310	S	660	E	New (Not drilled or compl)
5	YATES PETROLEUM CORPORATION	BOMBAY BSB FEDERAL COM 001H	32.174903	-103.689444	3002540718	32	24.0S	32E	2310	N	430	E	New (Not drilled or compl)
6	COG PRODUCTION, LLC	AZORES FEDERAL 003H	32.181662	-103.698801	3002541158	29	24.0S	32E	190	S	1980	W	New (Not drilled or compl)
7	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE FEDERAL COM 002I	32.172901	-103.698585	3002541170	32	24.0S	32E	2310	S	2030	W	New (Not drilled or compl)
8	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE FEDERAL COM 003I	32.172901	-103.698748	3002541171	32	24.0S	32E	2310	S	1980	W	New (Not drilled or compl)
9	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE FEDERAL COM 004I	32.172894	-103.700859	3002541172	32	24.0S	32E	2310	S	1330	W	New (Not drilled or compl)
10	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 33 4 FEDERAL COM 001H	32.180374	-103.683837	3002541263	33	24.0S	32E	330	N	1295	W	New (Not drilled or compl)
11	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 33 4 FEDERAL COM 002H	32.180375	-103.683674	3002541264	33	24.0S	32E	330	N	1345	W	New (Not drilled or compl)
12	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE SWD 002	32.169819	-103.6913	3002541524	32	24.0S	32E	1180	S	1000	E	New (Not drilled or compl)
13	COG PRODUCTION, LLC	AZORES FEDERAL 002H	32.181728	-103.693402	3002541534	29	24.0S	32E	190	S	1650	E	New (Not drilled or compl)
14	COG PRODUCTION, LLC	AZORES FEDERAL 004H	32.181609	-103.703089	3002541535	29	24.0S	32E	190	S	660	W	New (Not drilled or compl)
15	COG PRODUCTION, LLC	KING TUT FEDERAL 004H	32.195111	-103.706164	3002541560	30	24.0S	32E	190	N	330	E	New (Not drilled or compl)
16	COG PRODUCTION, LLC	CORVO FEDERAL 002H	32.180654	-103.695739	3002541910	32	24.0S	32E	190	N	2370	E	New (Not drilled or compl)
17	COG PRODUCTION, LLC	CORVO FEDERAL 003H	32.181658	-103.699125	3002541911	29	24.0S	32E	190	S	1880	W	New (Not drilled or compl)
18	COG PRODUCTION, LLC	CORVO FEDERAL 004H	32.181605	-103.703414	3002541912	29	24.0S	32E	190	S	560	W	New (Not drilled or compl)
19	XTO ENERGY, INC	OUTRIDER FEDERAL 003H	32.196083	-103.677437	3002542867	21	24.0S	32E	100	S	2005	E	New (Not drilled or compl)
20	XTO ENERGY, INC	OUTRIDER FEDERAL 004H	32.196068	-103.673149	3002542868	21	24.0S	32E	100	S	685	E	New (Not drilled or compl)
21	XTO ENERGY, INC	CAZADOR FEDERAL 001H	32.195567	-103.686863	3002542869	28	24.0S	32E	100	N	370	W	New (Not drilled or compl)
22	XTO ENERGY, INC	CAZADOR FEDERAL 002H	32.195548	-103.681552	3002542870	28	24.0S	32E	100	N	2005	W	New (Not drilled or compl)
23	XTO ENERGY, INC	CAZADOR FEDERAL 003H	32.195533	-103.677271	3002542871	28	24.0S	32E	100	N	1955	E	New (Not drilled or compl)
24	XTO ENERGY, INC	CAZADOR FEDERAL 004H	32.195517	-103.672983	3002542872	28	24.0S	32E	100	N	635	E	New (Not drilled or compl)
25	XTO ENERGY, INC	OUTRIDER FEDERAL 001H	32.196117	-103.687028	3002542883	21	24.0S	32E	100	S	320	W	New (Not drilled or compl)
26	XTO ENERGY, INC	OUTRIDER FEDERAL 002H	32.196098	-103.681716	3002542884	21	24.0S	32E	100	S	1955	W	New (Not drilled or compl)
27	DEVON ENERGY PRODUCTION COMPANY, LI	REBEL 20 FEDERAL 004H	32.209603	-103.690882	3002543158	20	24.0S	32E	250	N	820	E	New (Not drilled or compl)
28	DEVON ENERGY PRODUCTION COMPANY, LI	REBEL 20 FEDERAL 008H	32.209602	-103.691045	3002543159	20	24.0S	32E	250	N	870	E	New (Not drilled or compl)
29	COG PRODUCTION, LLC	AZORES FEDERAL 007H	32.180592	-103.696323	3002543170	32	24.0S	32E	210	N	2550	E	New (Not drilled or compl)
30	COG PRODUCTION, LLC	AZORES FEDERAL 011H	32.180595	-103.696064	3002543171	32	24.0S	32E	210	N	2470	E	New (Not drilled or compl)
31	COG PRODUCTION, LLC	AZORES FEDERAL 012H	32.181705	-103.699775	3002543178	29	24.0S	32E	210	S	1680	W	New (Not drilled or compl)
32	COG PRODUCTION, LLC	AZORES FEDERAL 008H	32.181709	-103.69945	3002543212	29	24.0S	32E	210	S	1780	W	New (Not drilled or compl)
33	DEVON ENERGY PRODUCTION COMPANY, LI	COTTON DRAW 32 STATE FEDERAL COM 005I	32.173162	-103.69448	3002543274	32	24.0S	32E	2400	S	1980	E	New (Not drilled or compl)

A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE AZORES FED COM
#1H, #5H, & #10H TO THE AZORES FED #3H CTB IN
SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



A STRIP OF LAND 30.0 FEET WIDE AND 3217.5 FEET OR 195.00 RODS OR 0.609 MILES IN LENGTH CROSSING USA LAND IN SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

1000 0 1000 2000 FEET

SCALE: 1"=1000'



Chad Harow

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

2/15/15

DATE _____

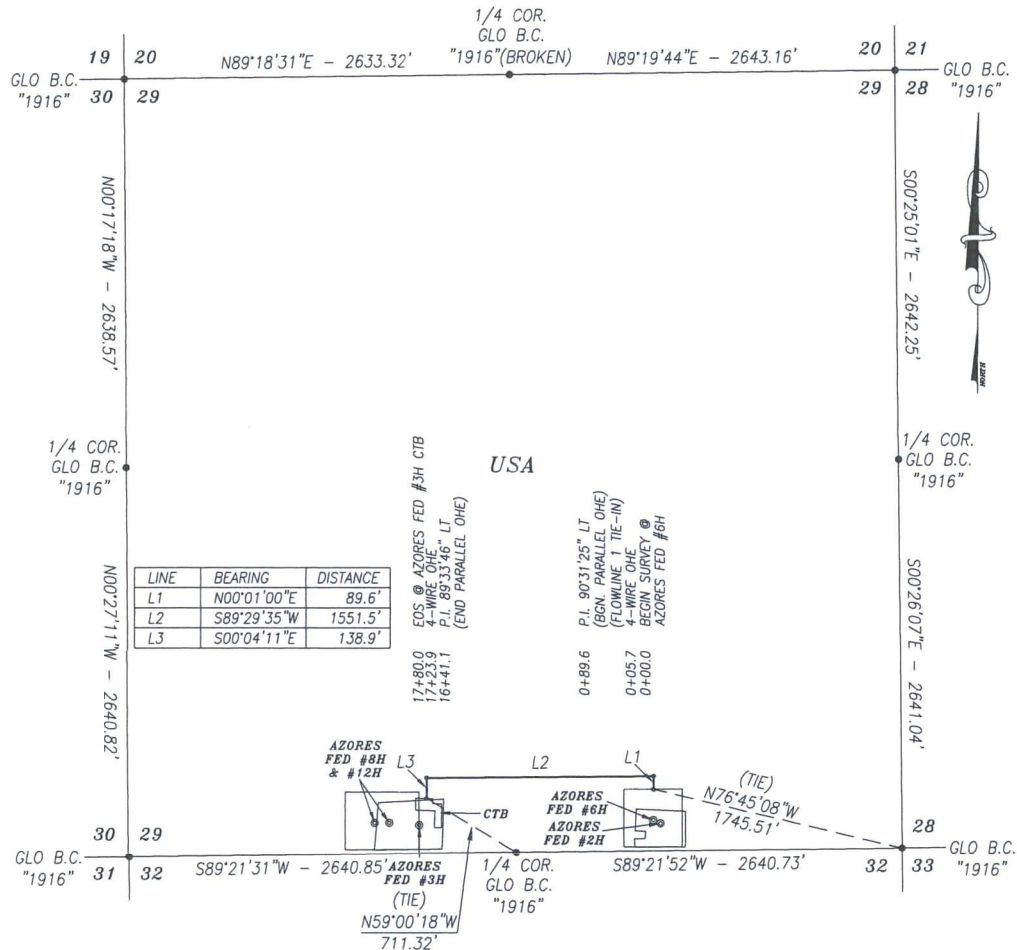
SURVEY OF A PROPOSED FLOWLINE LOCATED IN
SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST,
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: DECEMBER 3, 2015	FLOWLINE 1
-------------------------------	------------

DRAFTING DATE: DECEMBER 11, 2015 PAGE 1 OF 1

APPROVED BY: CH	DRAWN BY: SP	FILE: 15-1386
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A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE AZORES FED #6H
TO THE AZORES FED #3H CTB IN
SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



A STRIP OF LAND 30.0 FEET WIDE AND 1780.0 FEET OR 107.88 RODS OR 0.337 MILES IN LENGTH CROSSING USA LAND IN SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

1000 0 1000 2000 FEET

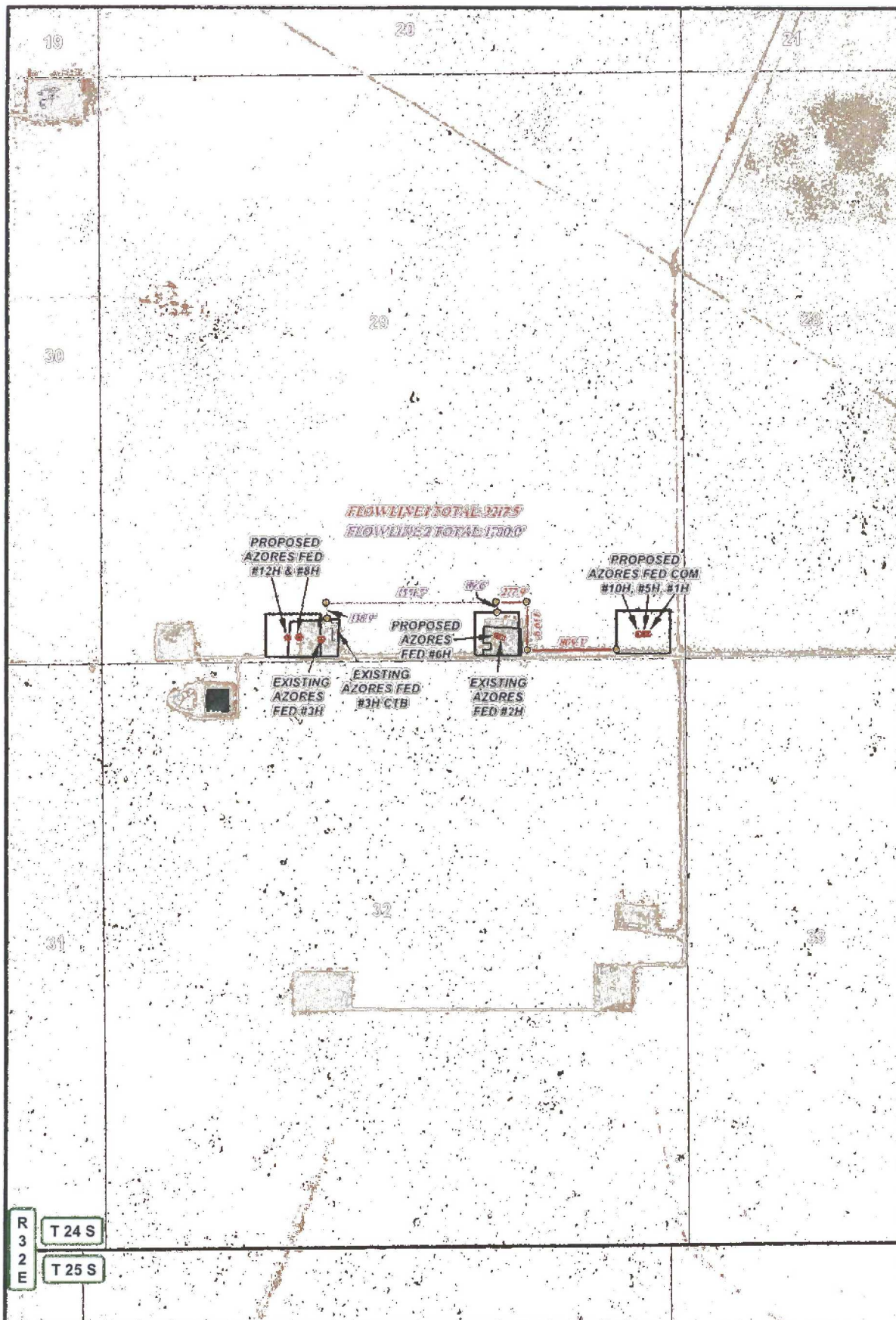
SCALE: 1"=1000'



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

2/15/15
DATE

FILE: 15-1386



R
3
2
E

T 24 S
T 25 S

- LEGEND**
- FLOWLINE 1
 - FLOWLINE 2
 - FLOWLINE 3
 - WELL
 - WELLPAD
 - ▨ TANK BATTERY

AZORES FED/FED COM FLOWLINE SYSTEM

SECTION: 29	TOWNSHIP: 24 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-1386	LEASE: AZORES FED/FED COM	

0 0.05 0.1 0.2 Miles

0 2,500 FEET

1 IN = 1,000 FT

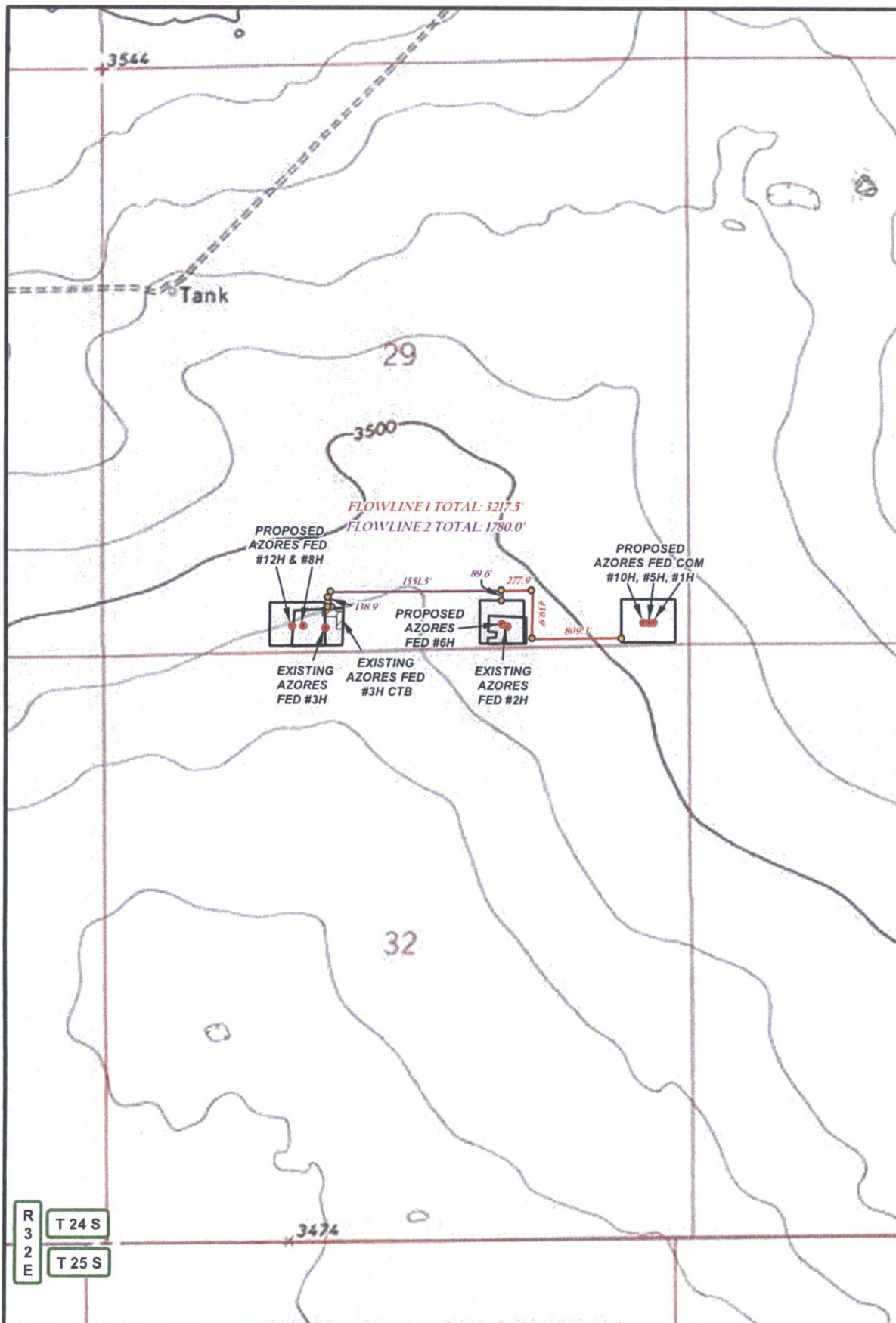
PIPELINE OVERVIEW IMAGERY 12/11/2015 S.P.

CONCHO

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HARCROW SURVEYING, L.L.C.

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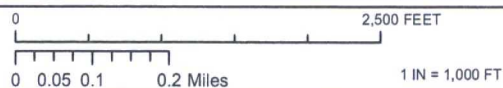
R 32 E
T 24 S
T 25 S

LEGEND

- FLOWLINE 1
- FLOWLINE 2
- WELL
- WELLPAD
- ▨ TANK BATTERY

AZORES FED/FED COM FLOWLINE SYSTEM

SECTION: 29 TOWNSHIP: 24 S. RANGE: 32 E.
STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
W.O. # 15-1386 LEASE: AZORES FED/FED COM



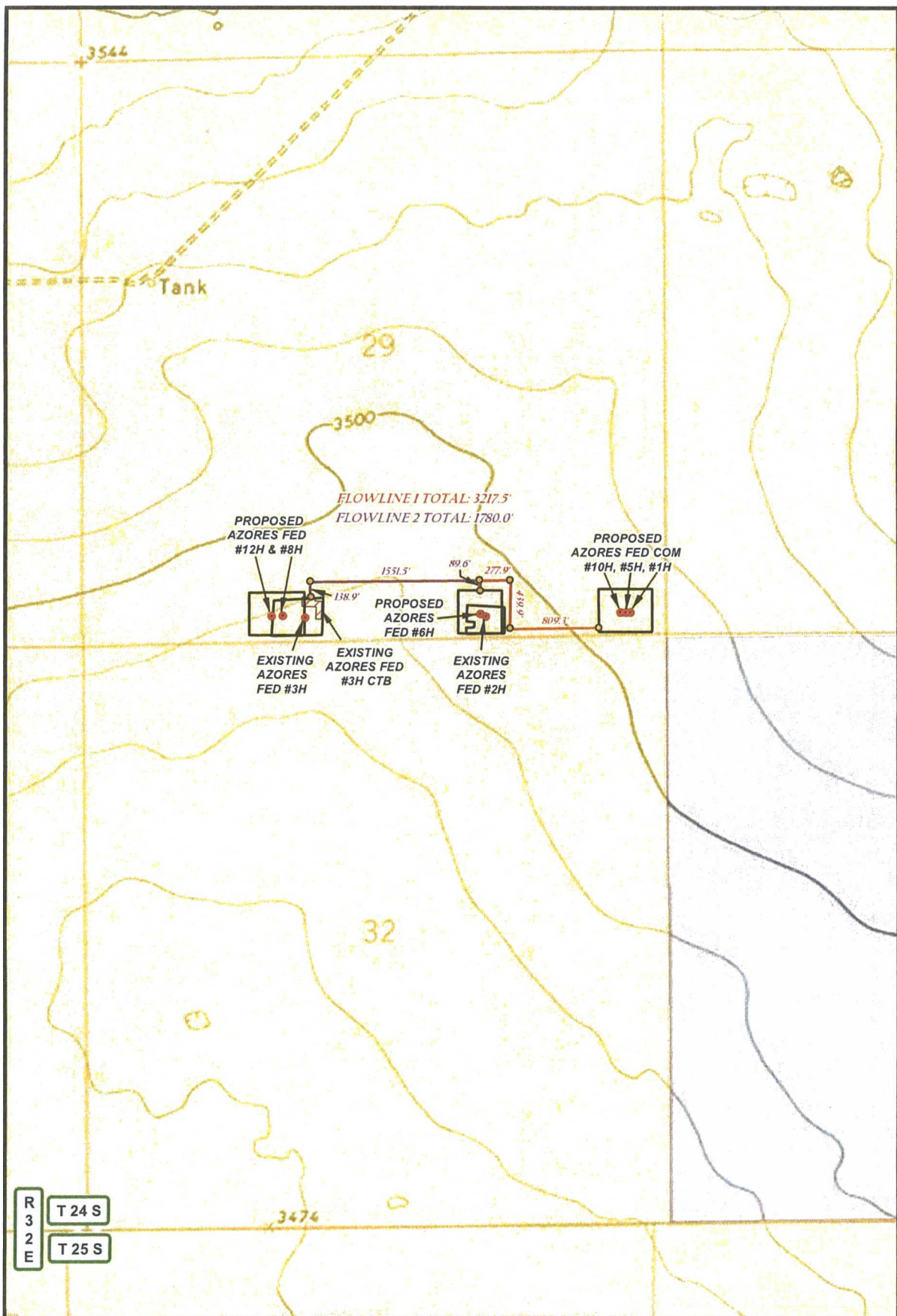
PIPELINE OVERVIEW TOPO 12/11/2015 S.P.

CONCHO

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R
3
2
E

T 24 S

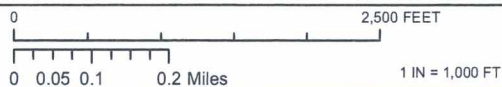
T 25 S

LEGEND

- FLOWLINE 1
- FLOWLINE 2
- WELL
- WELLPAD
- ▨ TANK BATTERY
- PRIVATE
- STATE OF NM
- US BLM

AZORES FED/FED COM FLOWLINE SYSTEM

SECTION: 29 TOWNSHIP: 24 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 15-1386 LEASE: AZORES FED/FED COM



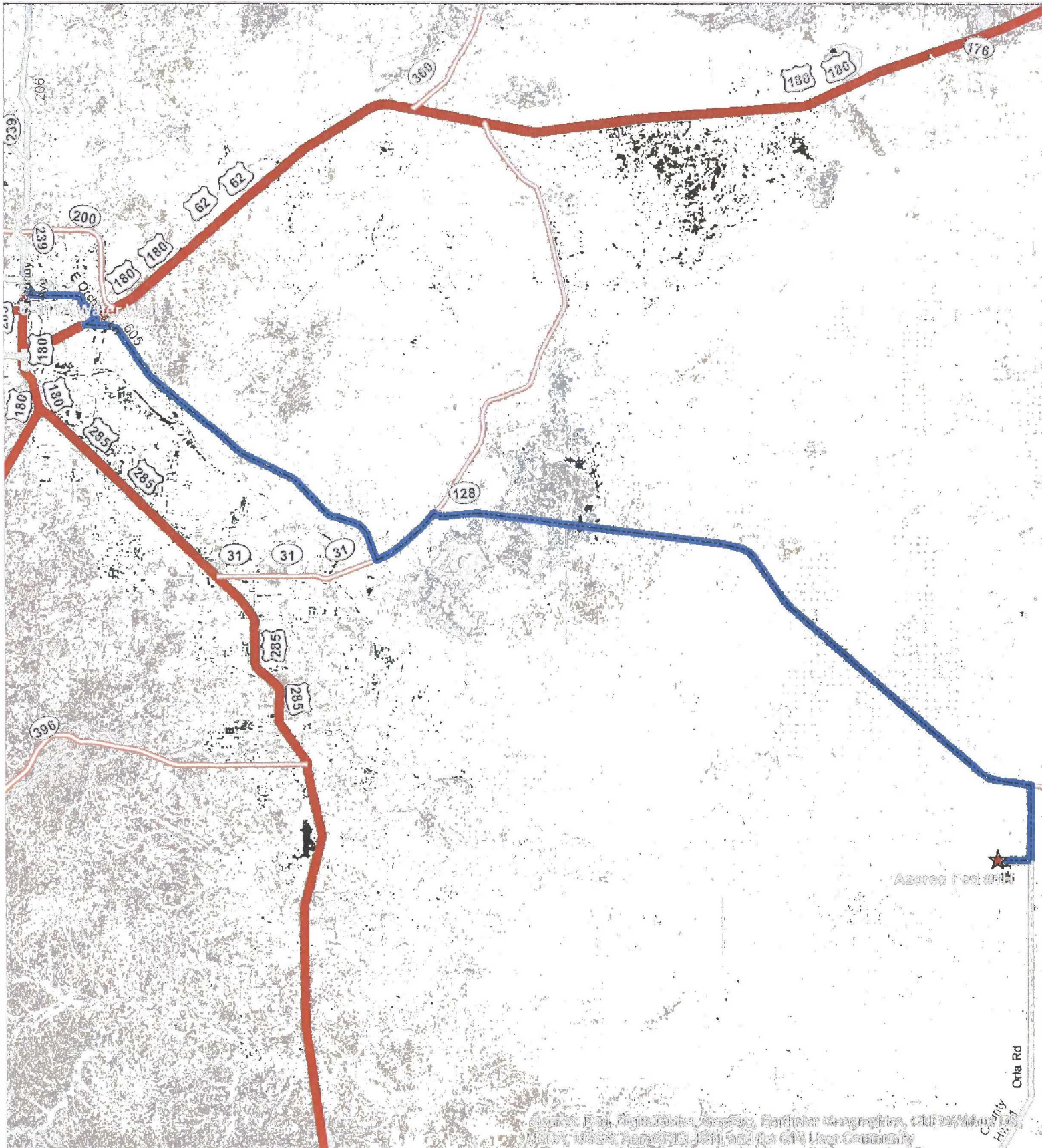
PIPELINE OVERVIEW LAND STATUS 12/11/2015 S.P.

CONCHO

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 c.harcrow@harcrowsurveying.com



CONCHO

River Authority

Azores Fed #1H

Water Transfer Route

Date: 2/23/2017
 Author: Wayne McIsaac
 State: New Mexico
 County: El Paso

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Map Legend

——— Route

