

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) 476-3462

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
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43174	Pool Code 97899	Pool Name WC-025 G-06 S253206M; Bone Spring
Property Code 40143	Property Name WINDWARD FEDERAL	Well Number 5H
OGRID No. 217955	Operator Name COG PRODUCTION, LLC	Elevation 3538.9'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1/D	30	24-S	32-E		210	NORTH	530	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
4/M	31	24-S	32-E		330	SOUTH	330	WEST	LEA
Dedicated Acres 371.72	Joint or Infill	Consolidation Code	Order No.						

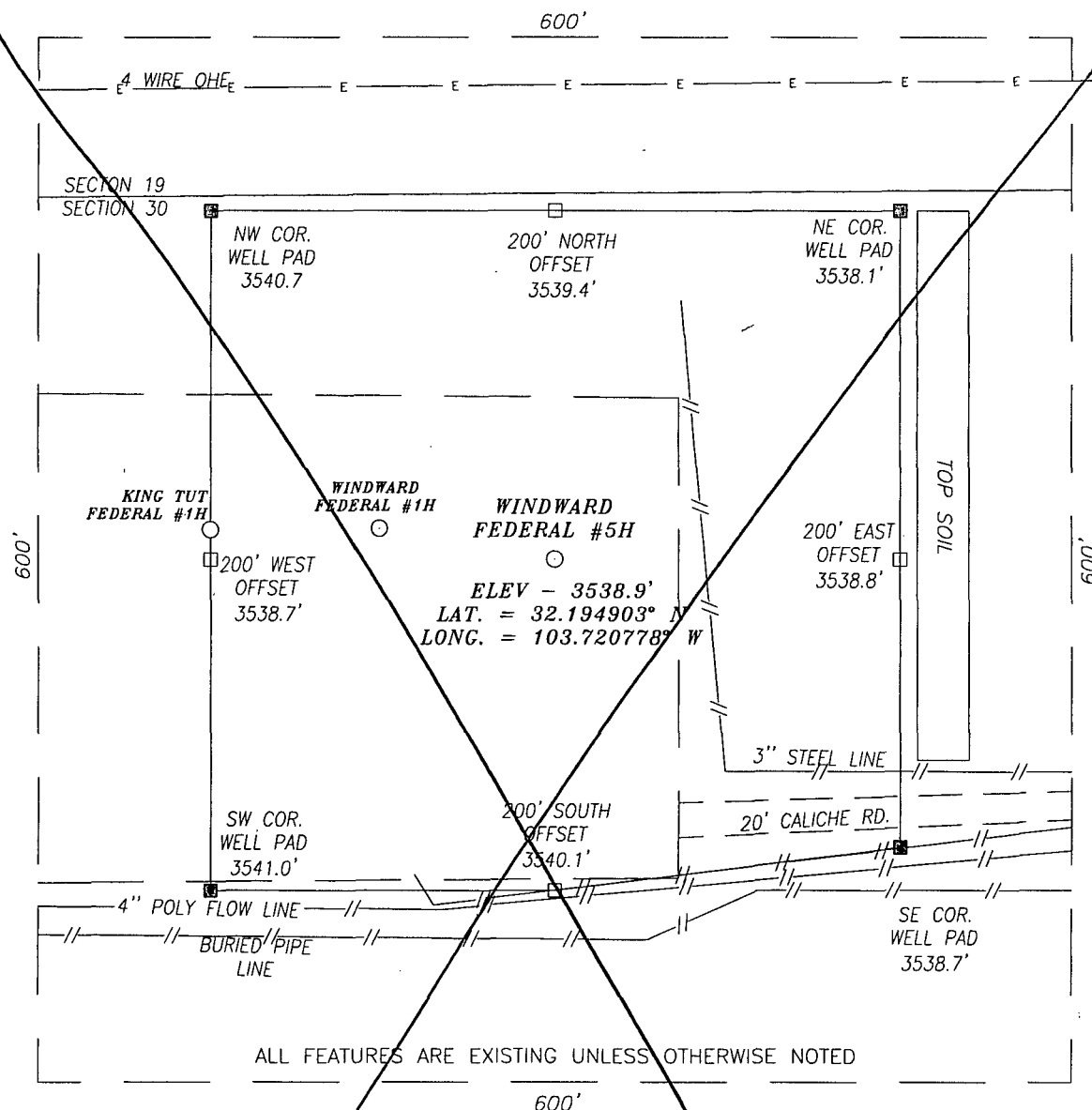
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Y=435371.5 N X=688956.3 E NAD 27 SURFACE LOCATION Y=435165.3 N X=689487.6 E LAT.=32.194903° N LONG.=103.720778° W As per LR2000 Lot 4 46.34 NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=425146.1 N X=689348.7 E LAT.=32.167364° N LONG.=103.721412° W Y=424814.6 N X=689020.7 E	210 S.L. Y=435382.4 N X=690474.4 E LOT 1 46.10 Ac LOT 2 46.18 Ac LOT 3 46.26 Ac LOT 4 46.20 Ac LOT 5 46.23 Ac LOT 6 46.20 Ac LOT 7 46.20 Ac LOT 8 46.20 Ac LOT 9 46.20 Ac LOT 10 46.20 Ac LOT 11 46.20 Ac LOT 12 46.20 Ac LOT 13 46.20 Ac LOT 14 46.20 Ac LOT 15 46.20 Ac LOT 16 46.20 Ac LOT 17 46.20 Ac LOT 18 46.20 Ac LOT 19 46.20 Ac LOT 20 46.20 Ac LOT 21 46.20 Ac LOT 22 46.20 Ac LOT 23 46.20 Ac LOT 24 46.20 Ac LOT 25 46.20 Ac LOT 26 46.20 Ac LOT 27 46.20 Ac LOT 28 46.20 Ac LOT 29 46.20 Ac LOT 30 46.20 Ac LOT 31 46.20 Ac LOT 32 46.20 Ac LOT 33 46.20 Ac LOT 34 46.20 Ac LOT 35 46.20 Ac LOT 36 46.20 Ac LOT 37 46.20 Ac LOT 38 46.20 Ac LOT 39 46.20 Ac LOT 40 46.20 Ac LOT 41 46.20 Ac LOT 42 46.20 Ac LOT 43 46.20 Ac LOT 44 46.20 Ac LOT 45 46.20 Ac LOT 46 46.20 Ac LOT 47 46.20 Ac LOT 48 46.20 Ac LOT 49 46.20 Ac LOT 50 46.20 Ac LOT 51 46.20 Ac LOT 52 46.20 Ac LOT 53 46.20 Ac LOT 54 46.20 Ac LOT 55 46.20 Ac LOT 56 46.20 Ac LOT 57 46.20 Ac LOT 58 46.20 Ac LOT 59 46.20 Ac LOT 60 46.20 Ac LOT 61 46.20 Ac LOT 62 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SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.

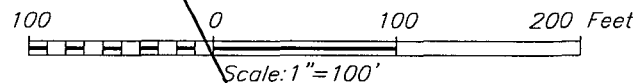
LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF BUCK JACKSON RD. (CR-786) AND HWY 128 GO SOUTHWEST ON BUCK JACKSON RD. FOR APPROX. 0.4 MILES; THEN TURN LEFT (SOUTH) AND GO APPROX. 2.4 MILES; THEN TURN LEFT (EAST) AND GO APPROX. 250 FEET TO THE EXISTING KING TUT FED. #1H AND WINDWARD FED. #1H WELL PAD. PROPOSED WELL IS APPROX. 100 FEET EASTSOUTHEAST OF THE WINDWARD FED. #1H.



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



COG PRODUCTION, LLC

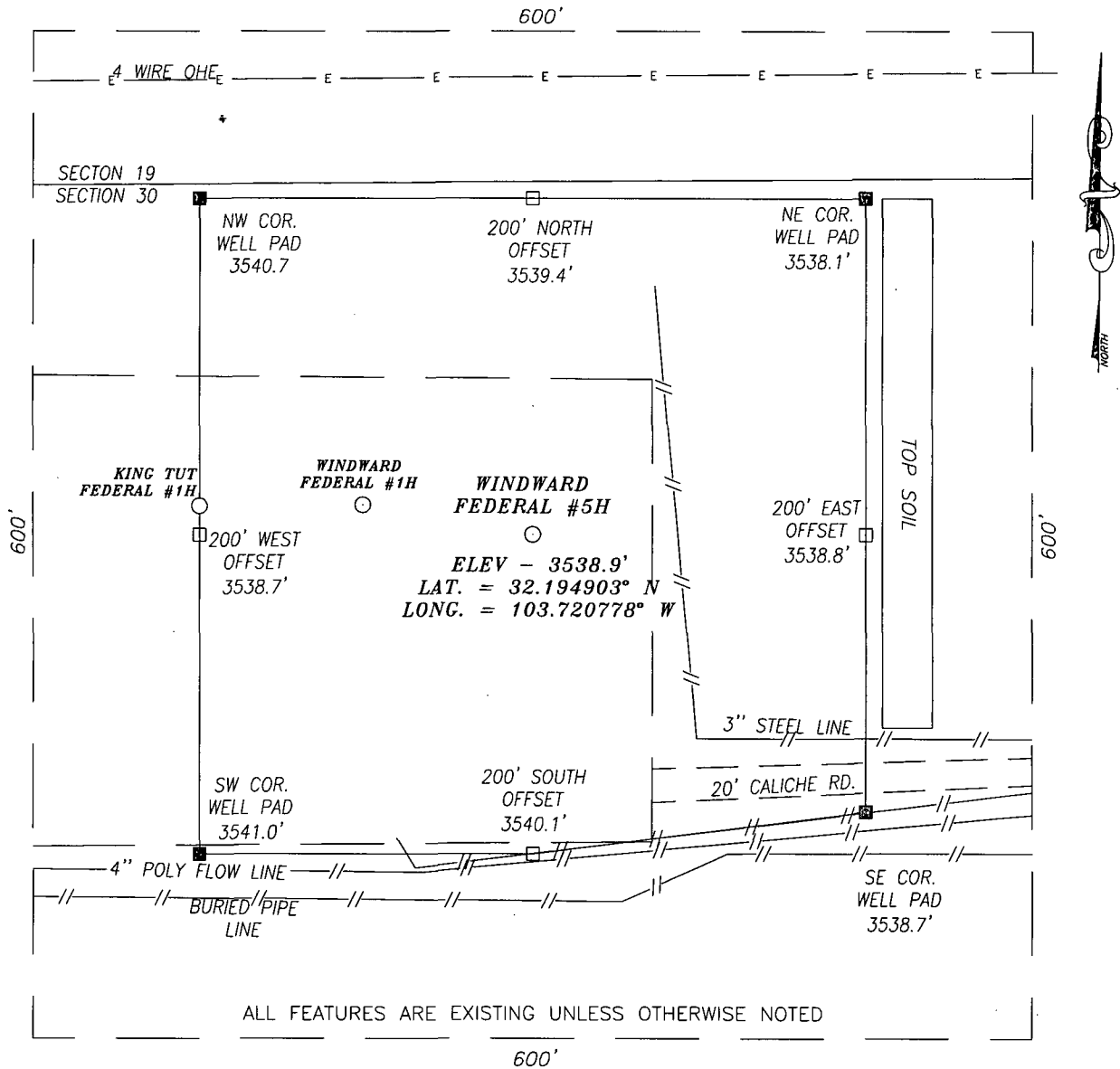
WINDWARD FEDERAL #5H WELL
LOCATED 210 FEET FROM THE NORTH LINE
AND 530 FEET FROM THE WEST LINE OF SECTION 30,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: DEC. 4, 2015	PAGE: 1 OF 1
DRAFTING DATE: DEC. 9, 2015	
APPROVED BY: CH	DRAWN BY: AF FILE: 15-1365

SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



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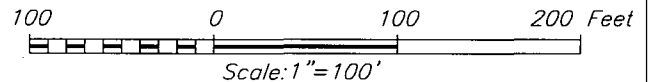
CERTIFICATION

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 PRODUCTION, LLC

WINDWARD FEDERAL #5H WELL
LOCATED 210 FEET FROM THE NORTH LINE
AND 530 FEET FROM THE WEST LINE OF SECTION 30,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: DEC. 4, 2015

PAGE: 1 OF 1

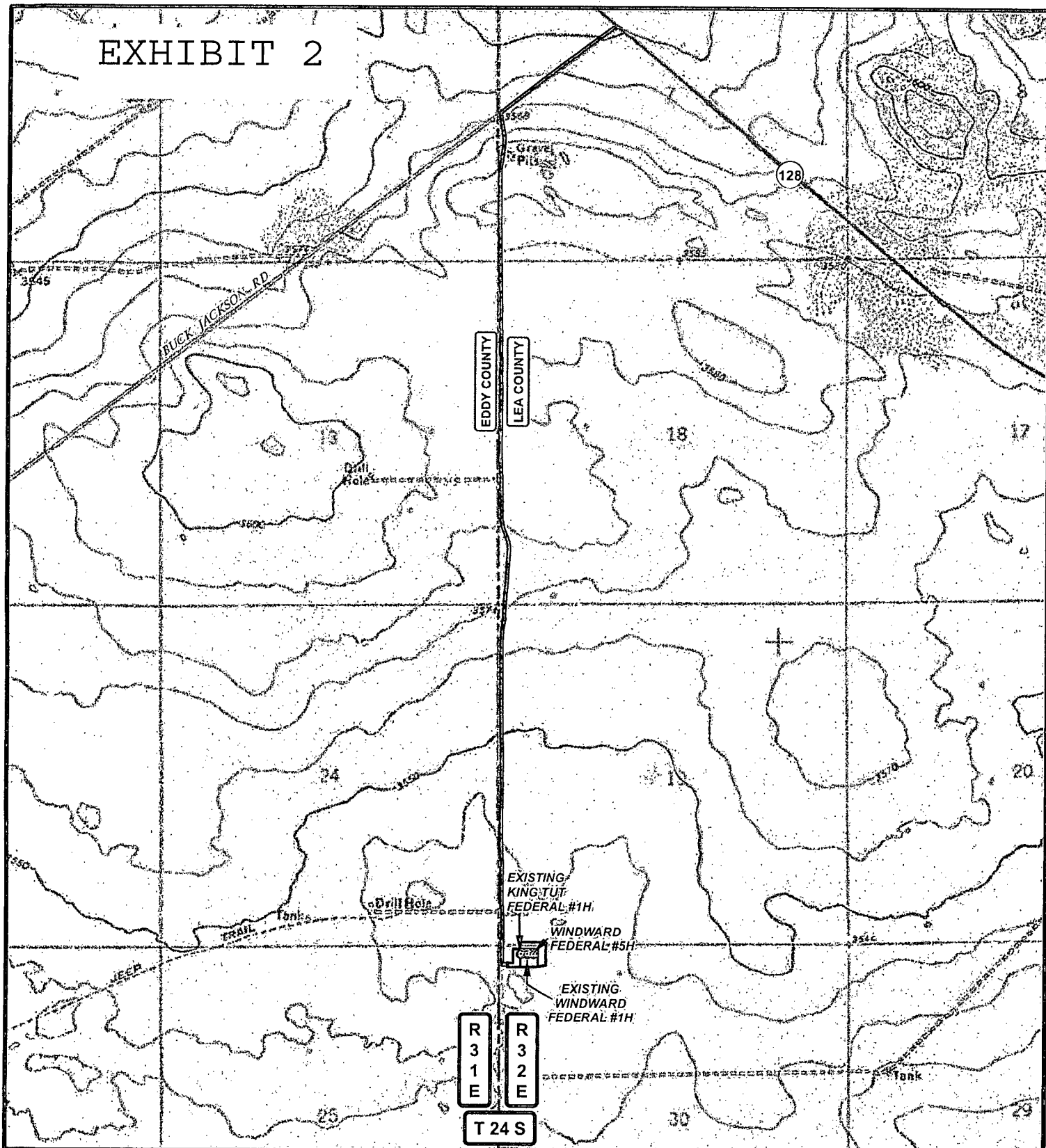
DRAFTING DATE: DEC. 9, 2015

APPROVED BY: CH

DRAWN BY: AF

FILE: 15-1363

EXHIBIT 2

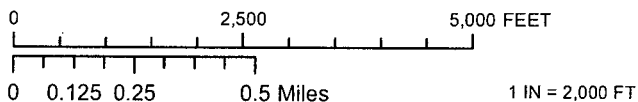


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

WINDWARD FEDERAL #5H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'
 STATE: NEW MEXICO COUNTY: LEA 210' FNL & 530' FWL
 W.O. # 15-1363 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

12/15/2015

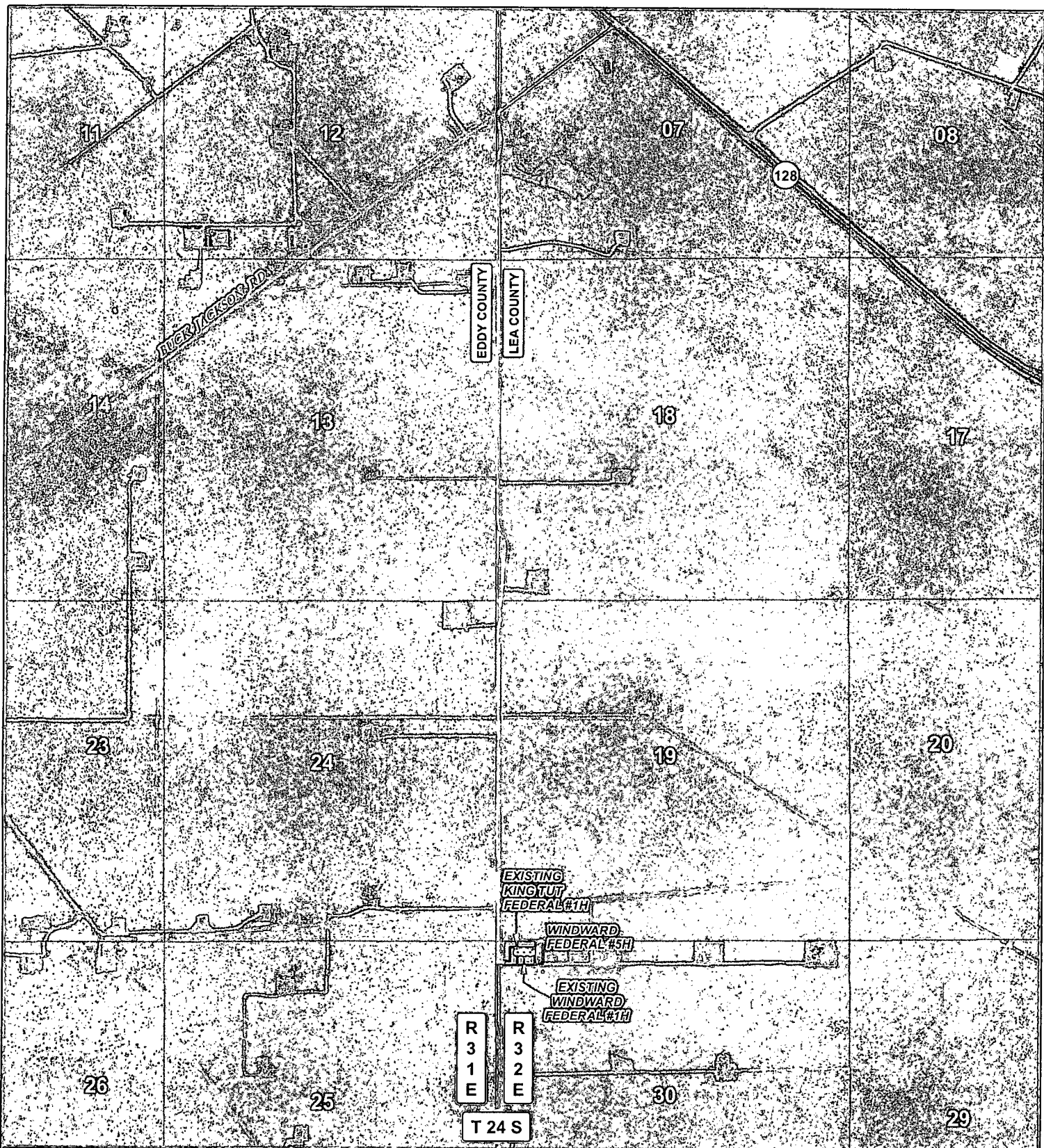
A.F.

CONCHO

COG PRODUCTION, LLC



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 c.harcrow@harcrowsurveying.com



LEGEND

○ WELL

□ WELLPAD

— EXISTING ROAD

WINDWARD FEDERAL #5H

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STATE: NEW MEXICO COUNTY: LEA 210' FNL & 530' FWL

W.O. # 15-1363 LEASE: WINDWARD 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

12/16/2015

A.F.

 **CONCHO**

COG PRODUCTION, LLC

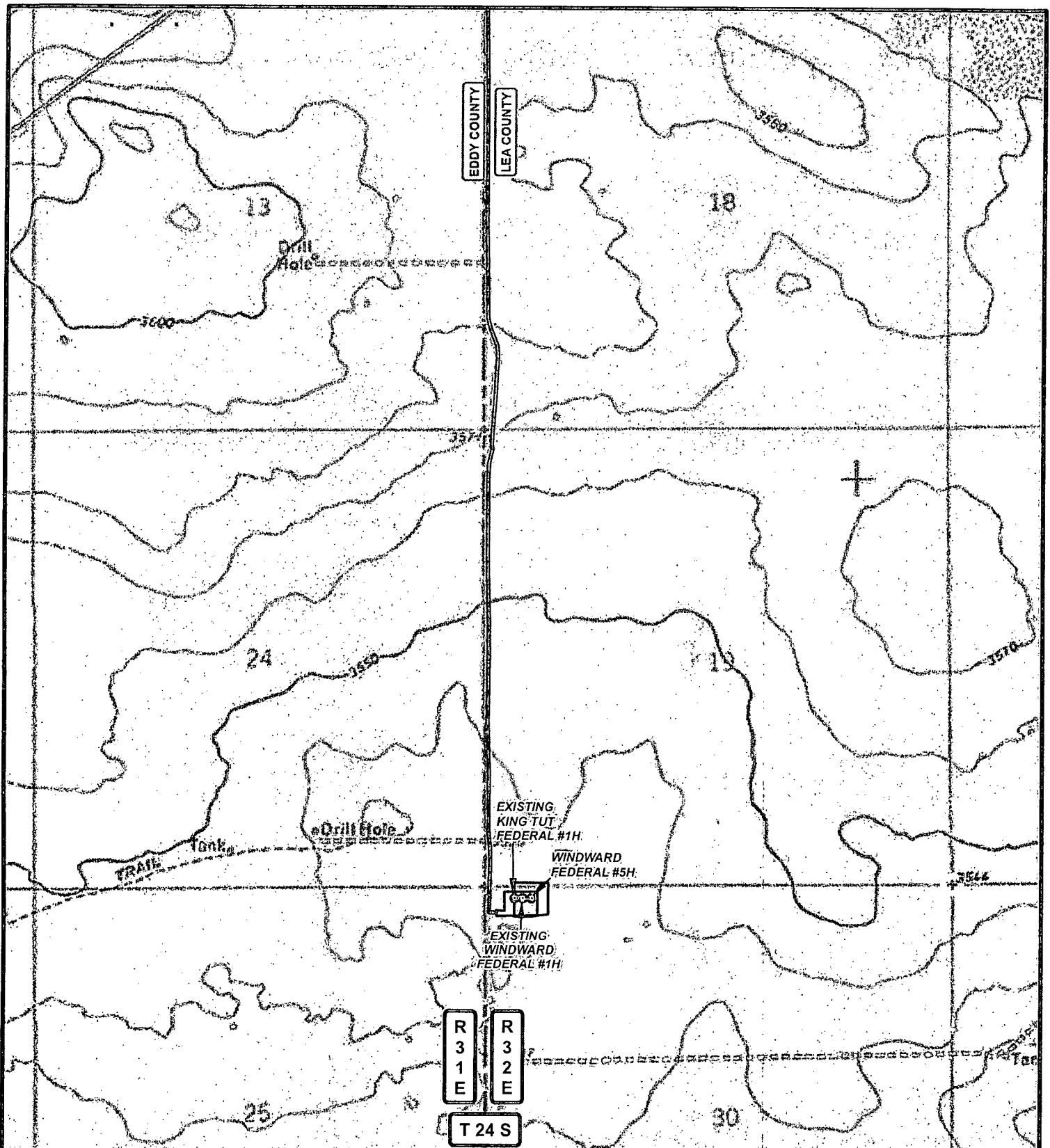


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LEGEND

- WELL
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W.O. # 15-1363 LEASE: WINDWARD FED 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

12/15/2015

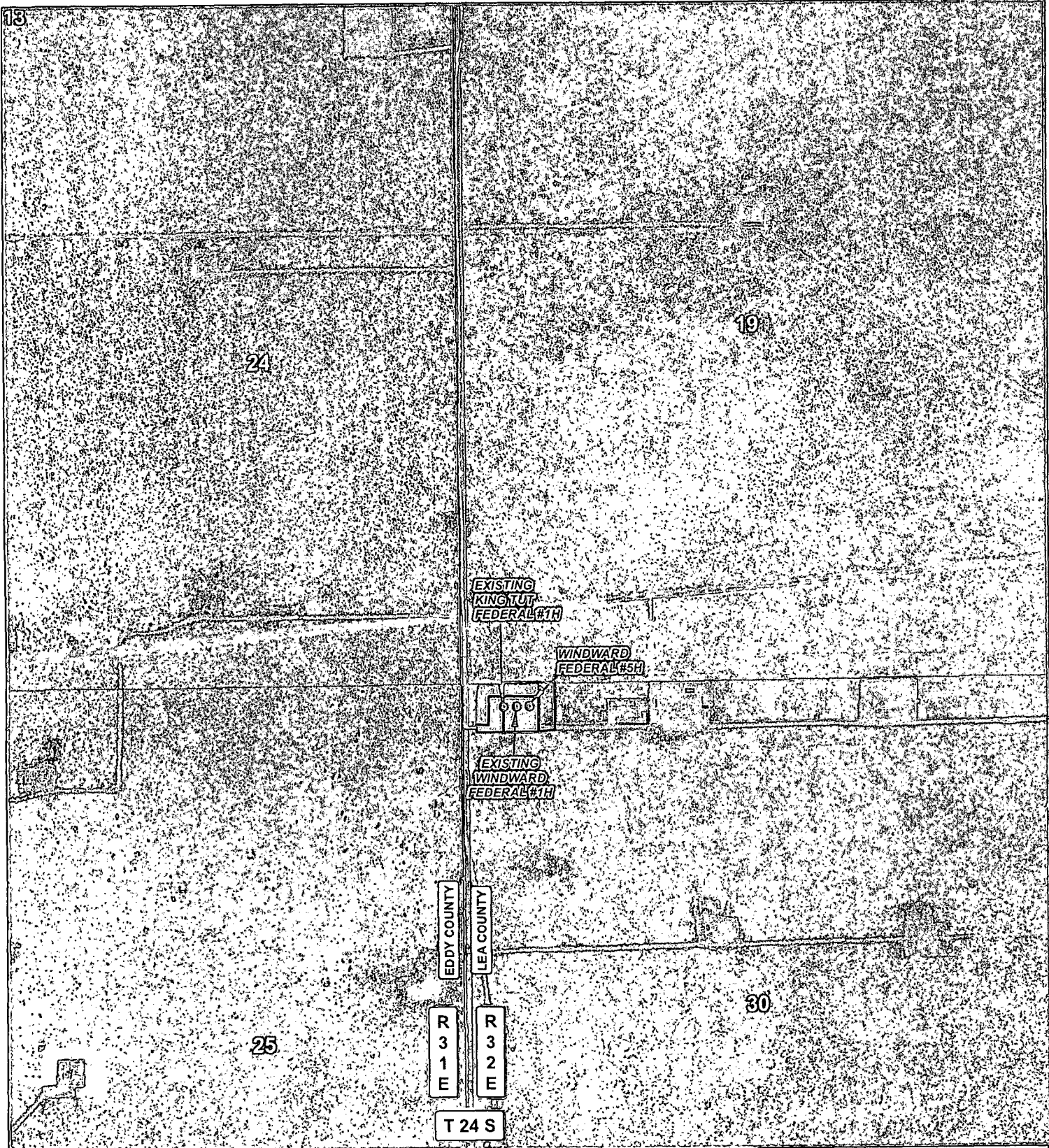
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LEGEND

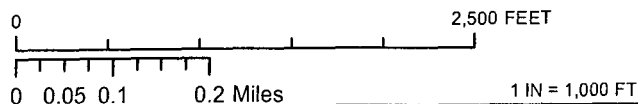
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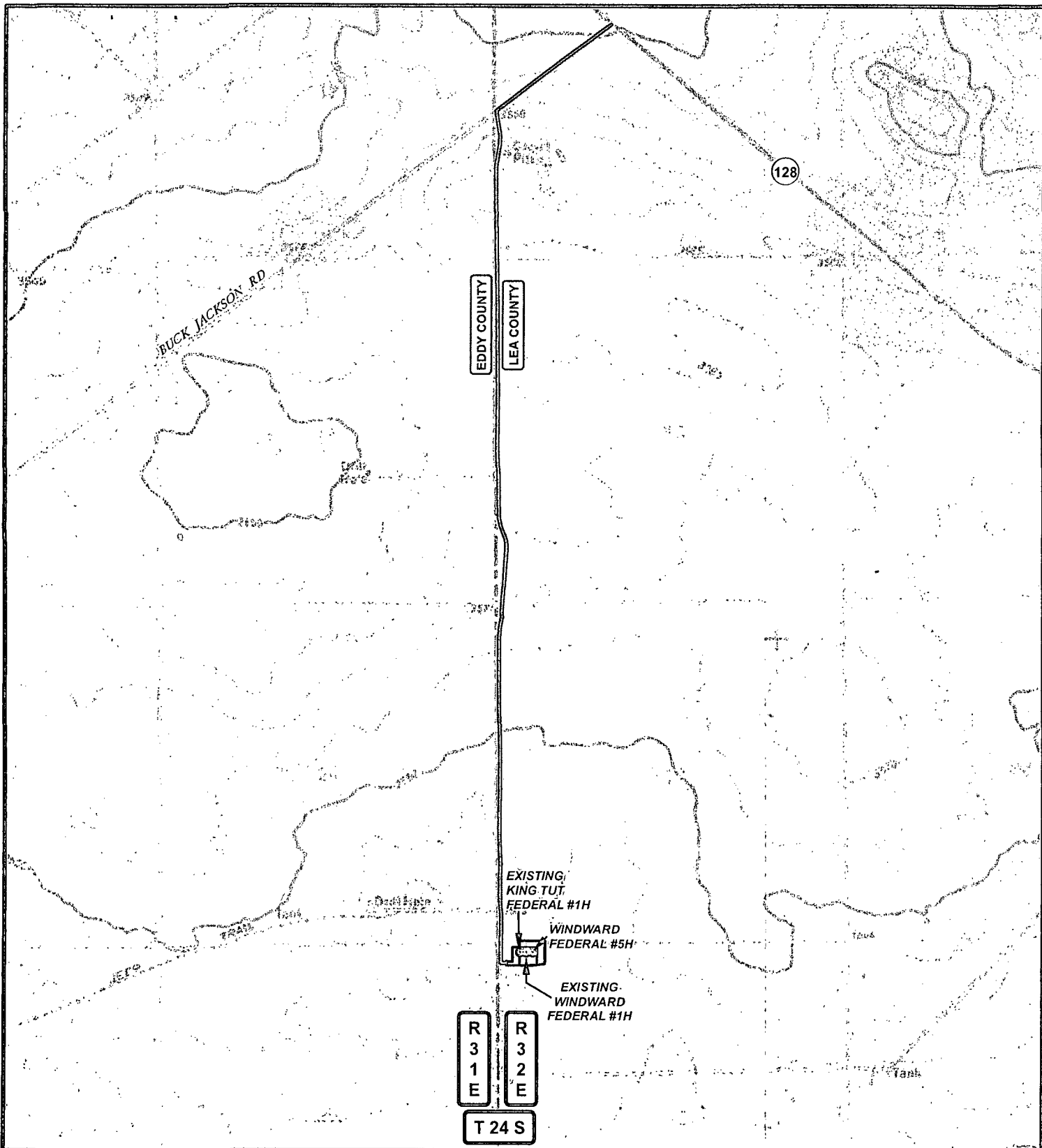
LOCATION MAP IMAGERY ROAD 12/15/2015 A.F.



COG PRODUCTION, LLC



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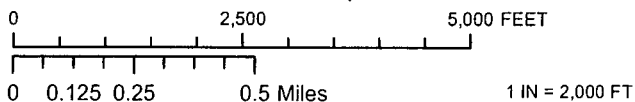


LEGEND

-  WELL
-  WELLPAD
-  EXISTING ROAD
-  US BLM

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 W.O. # 15-1363 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP LAND STATUS 12/15/2015 A.F.

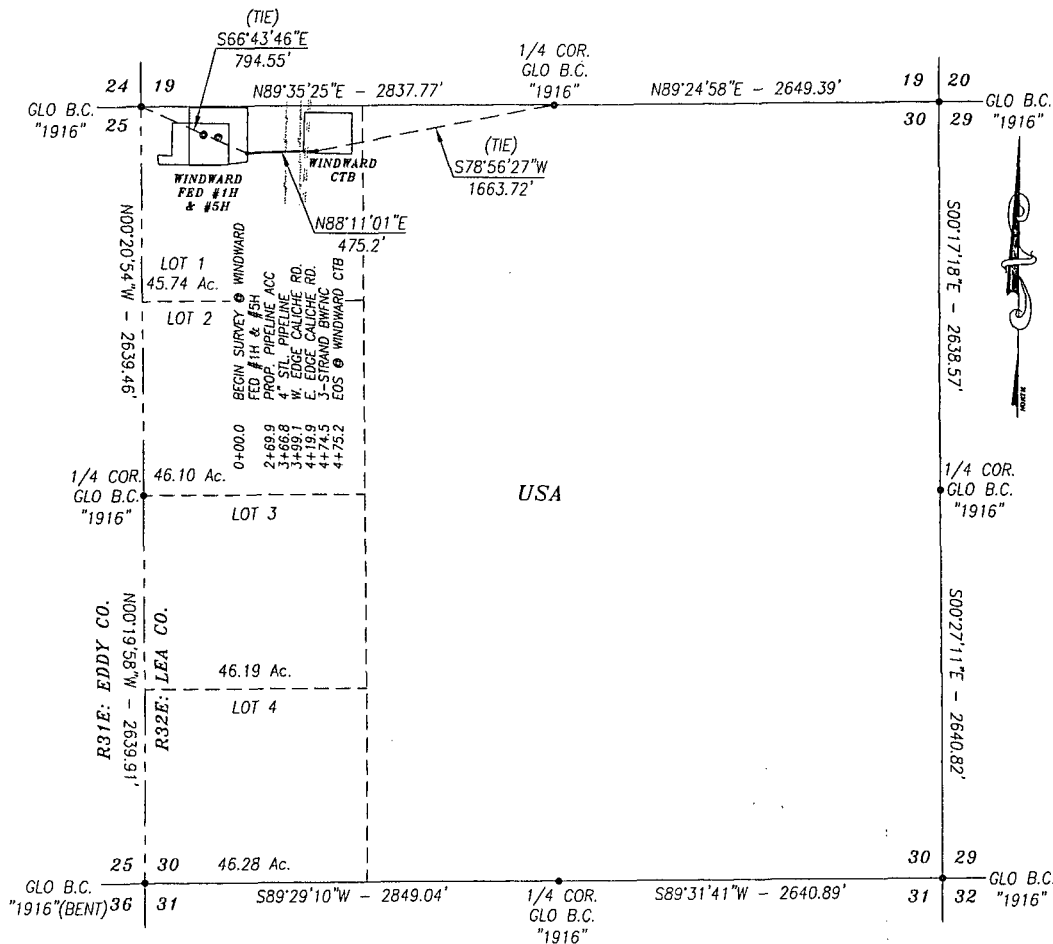


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A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE WINDWARD FED
#1H & #5H TO THE WINDWARD CTB IN
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

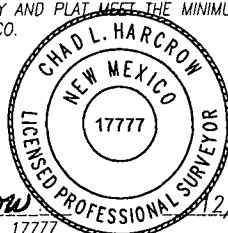


A STRIP OF LAND 30.0 FEET WIDE AND 475.2 FEET OR 28.80 RODS OR 0.090 MILES IN LENGTH CROSSING USA LAND IN SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

HARCROW SURVEYING, LLC
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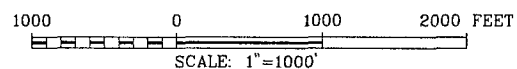


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AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS
FOR SURVEYING IN NEW MEXICO.

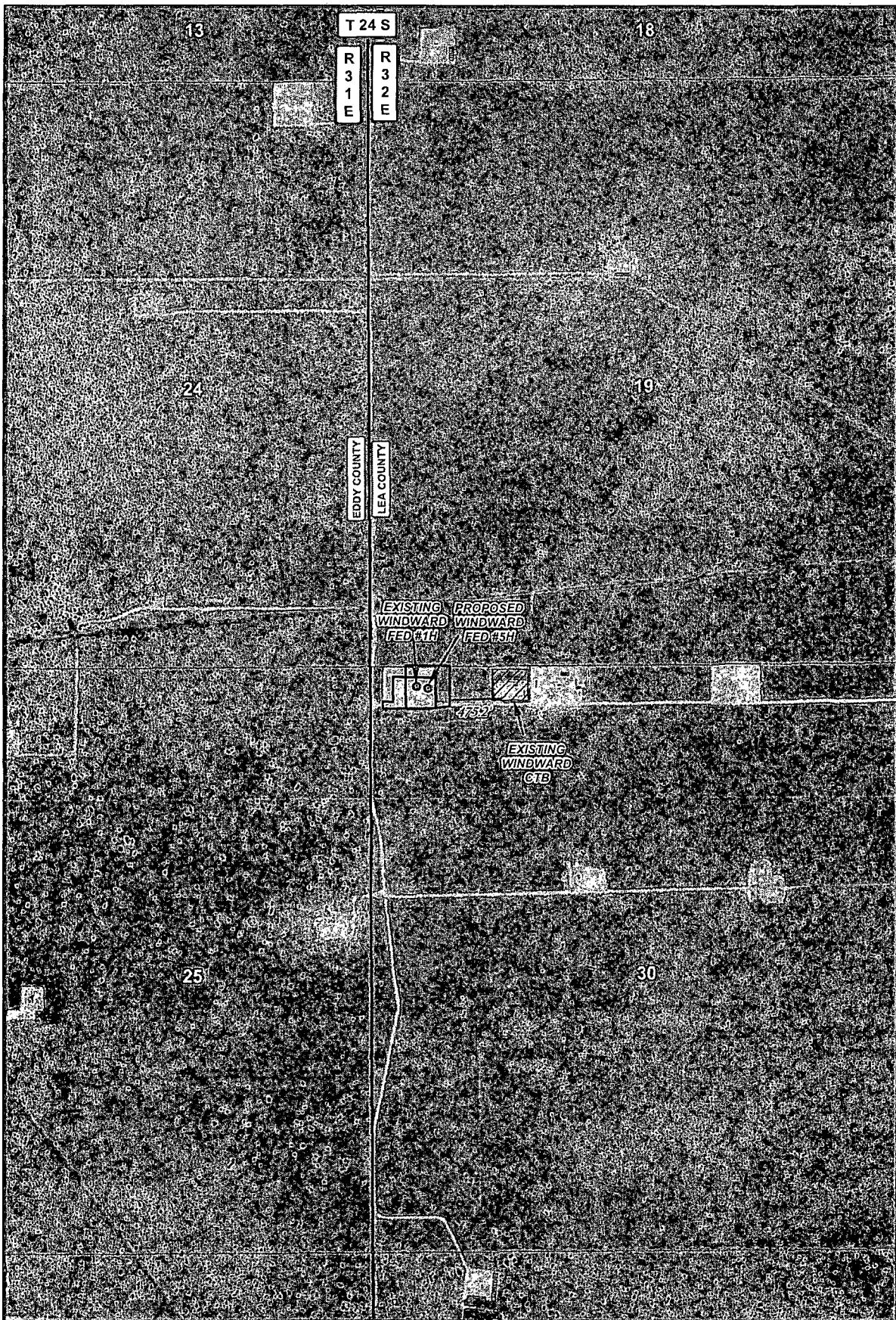


Chad Harrow
CHAD HARCROW N.M.P.S. NO. 17777

12/16/15
DATE



COG PRODUCTION, LLC	
SURVEY OF A PROPOSED FLOWLINE LOCATED IN SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: DECEMBER 7, 2015	
DRAFTING DATE: DECEMBER 9, 2015	PAGE 1 OF 1
APPROVED BY: CH DRAWN BY: SP	FILE: 15-1387

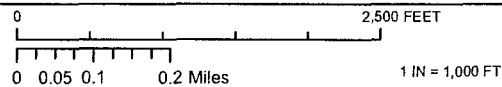


LEGEND

- WELL
- WELLPAD
- FLOWLINE
- ▨ TANK BATTERY

WINDWARD FED #1H & #5H FLOWLINE

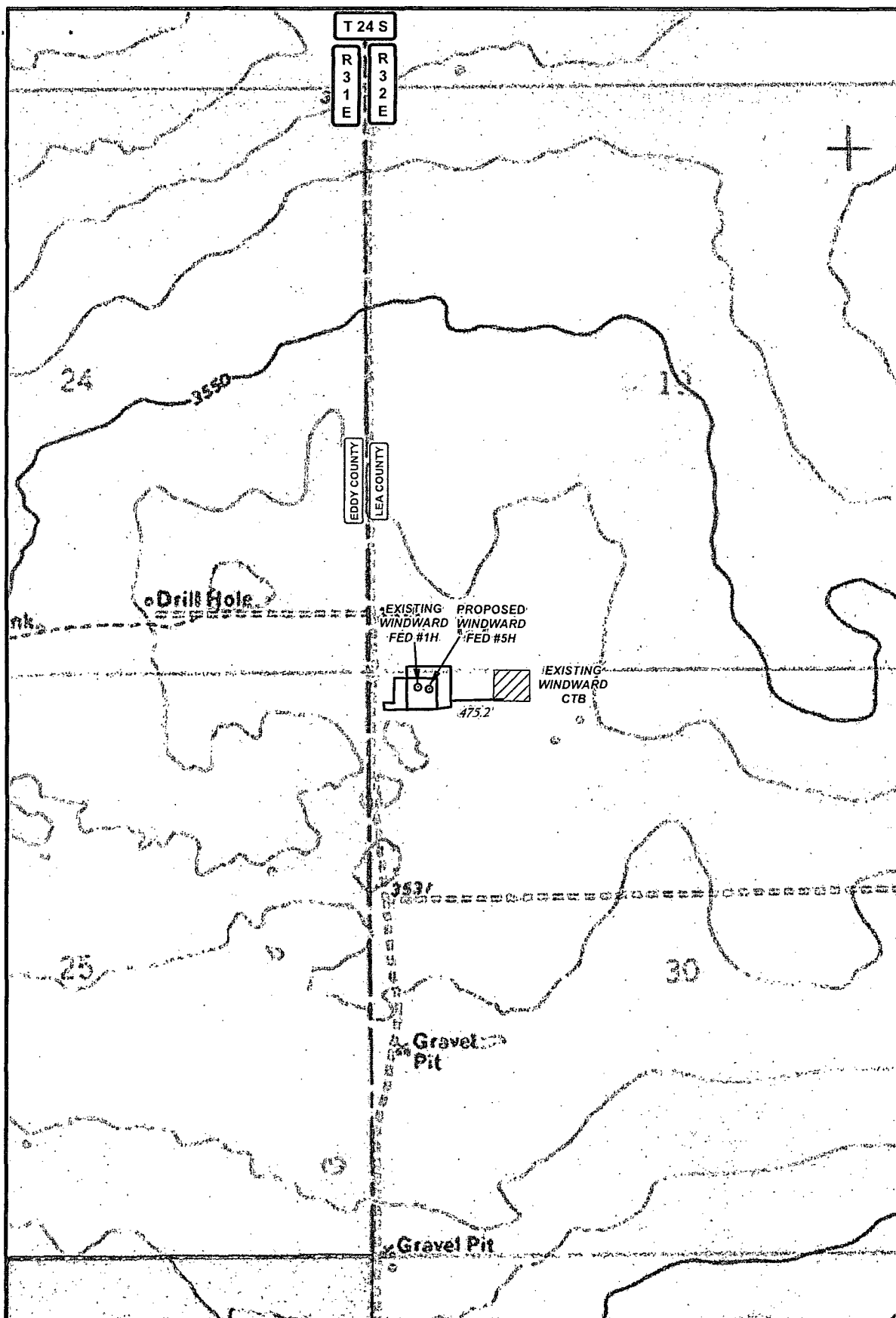
SECTION: 30 TOWNSHIP: 24 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 15-1387 LEASE: WINDWARD FED



PIPELINE OVERVIEW IMAGERY 12/09/2015 S.P.

CONCHO
 COG PRODUCTION, LLC

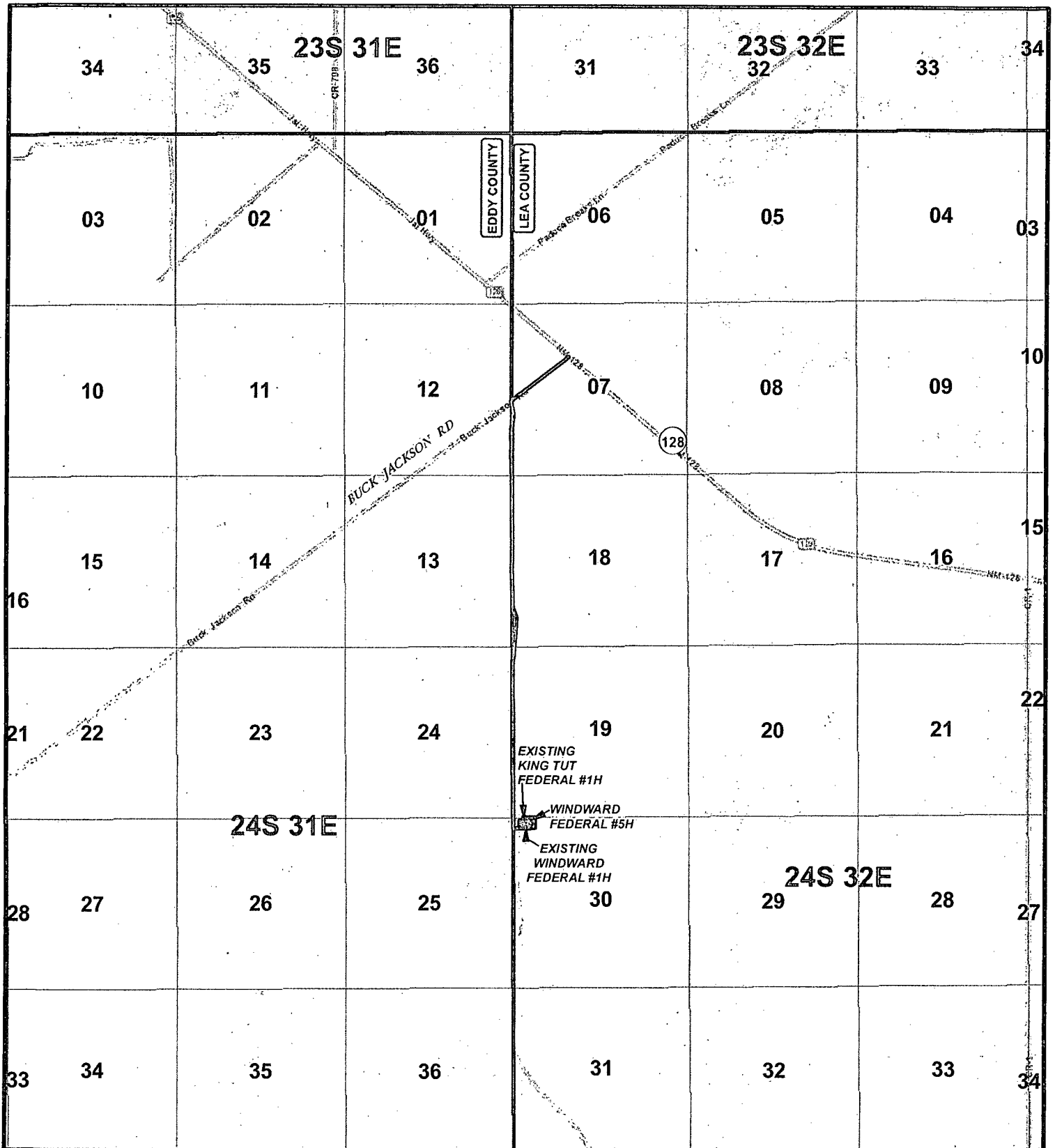
HARCROW SURVEYING, LLC.
 2314 W. MAIN ST. ARTESIA, NM 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
 c.harcrow@harcrowsurveying.com



WINDWARD FED #1H & #5H FLOWLINE		 CONCHO COG PRODUCTION, LLC	
SECTION: 30	TOWNSHIP: 24 S.		RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA		SURVEY: N.M.P.M.
W.O. # 15-1387			LEASE: WINDWARD FED
		 HARCROW SURVEYING, LLC. 2314 W. MAIN ST. ARTESIA, NM 88210 PH: (575) 746-2158 FAX: (575) 746-2158 charcrow@harcrowsurveying.com	
0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT			
PIPELINE OVERVIEW LAND STATUS 12/09/2015 S.P.			

LEGEND

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



LEGEND

○ WELL

□ WELLPAD

— EXISTING ROAD

WINDWARD FEDERAL #5H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 530' FWL

W.O. # 15-1363 LEASE: WINDWARD FED 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

12/15/2015

A.F.

CONCHO

COG PRODUCTION, LLC



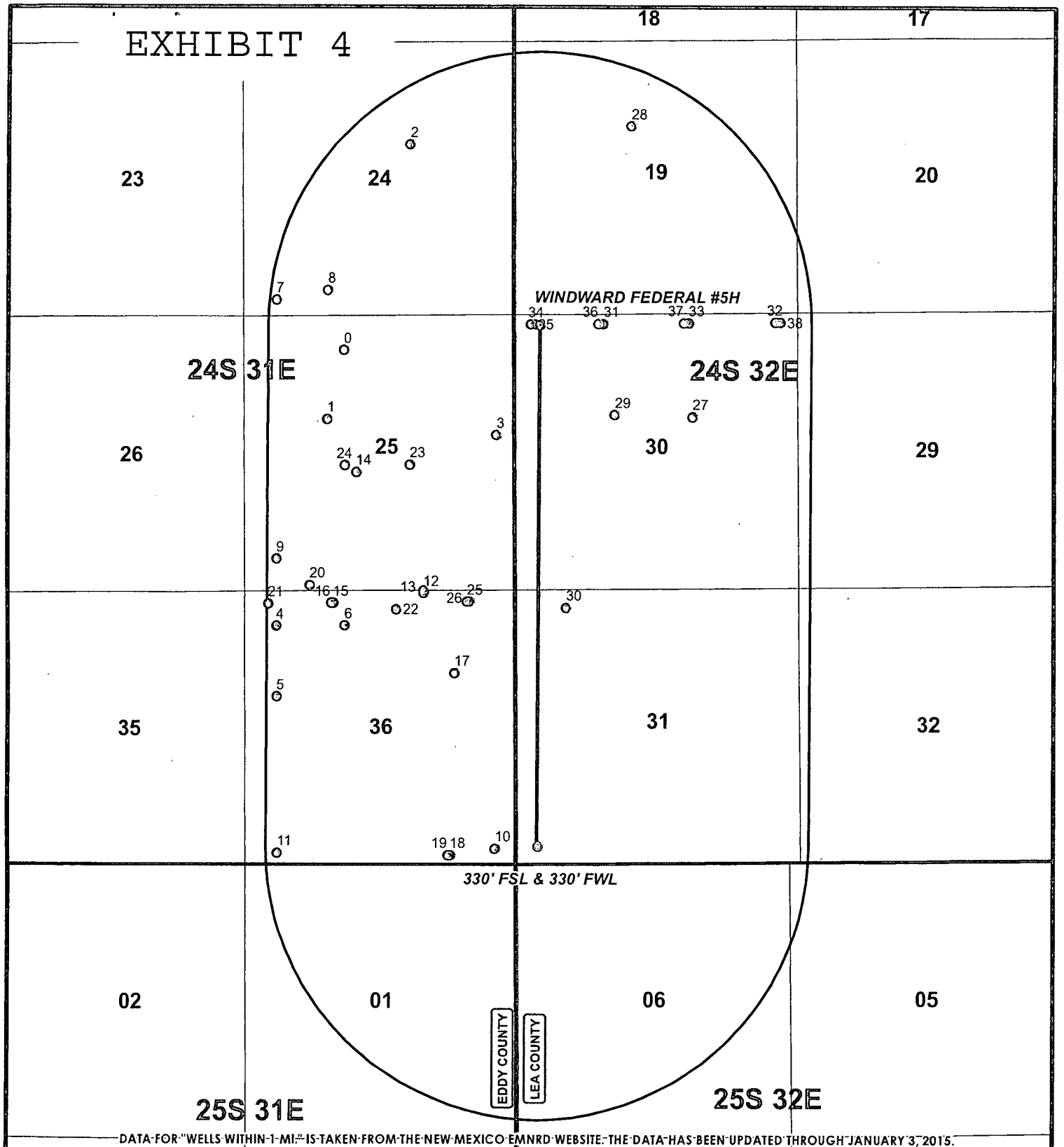
HARCROW SURVEYING, LLC.

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

c.harcrow@harcrowsurveying.com

EXHIBIT 4



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 3, 2015.

LEGEND

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

WINDWARD FEDERAL #5H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 530' FWL

W.O. # 16-57 LEASE: WINDWARD FED SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,500 FT

1 MILE MAP

01/27/2016

A.F.



COG PRODUCTION, LLC



HARCROW SURVEYING, LLC.
2314 W. MAIN ST, ARTESIA, NM 88210
PH: (575) 746-2158 FAX: (575) 746-2158
c.harcrow@harcrowsurveying.com

		WINDWARD FEDERAL #5H													
FID	Shape *	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTI	COMPL_STAT
0	Point	MARBOB ENERGY CORP	BET-NET FEDERAL 001	32.19375	-103.734	3E+09	25	24.0S	31E	660 N		1980 W			O Plugged
1	Point	MARBOB ENERGY CORP	BET-NET FEDERAL 002	32.19012	-103.735	3E+09	25	24.0S	31E	1980 N		1650 W			O Plugged
2	Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 006	32.20464	-103.729	3E+09	24	24.0S	31E	1980 N		1980 E		8540	Plugged
3	Point	LEGACY RESERVES OPERATING, LP	BTBn 25 FEDERAL 002	32.18924	-103.724	3E+09	25	24.0S	31E	2300 N		330 E		10000	Active
4	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW 090	32.17922	-103.738	3E+09	36	24.0S	31E	660 N		660 W		15200	Active
5	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 113E	32.17551	-103.738	3E+09	36	24.0S	31E	1981 N		661 W			O New (Not drilled or compl)
6	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW 111	32.17922	-103.734	3E+09	36	24.0S	31E	660 N		1980 W		9740	Active
7	Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 001H	32.19644	-103.738	3E+09	24	24.0S	31E	330 S		660 W		12695	New (Not drilled or compl)
8	Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 002H	32.19692	-103.735	3E+09	24	24.0S	31E	500 S		1650 W		8344	New (Not drilled or compl)
9	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 110H	32.18277	-103.738	3E+09	25	24.0S	31E	660 S		660 W		8295	New (Not drilled or compl)
10	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 116H	32.1674	-103.724	3E+09	36	24.0S	31E	330 S		430 E		8284	New (Not drilled or compl)
11	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 113H	32.16722	-103.738	3E+09	36	24.0S	31E	220 S		660 W		8261	New (Not drilled or compl)
12	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 165H	32.18092	-103.729	3E+09	36	24.0S	31E	25 N		1780 E			O New (Not drilled or compl)
13	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 166H	32.18105	-103.729	3E+09	25	24.0S	31E	25 S		1780 E			O New (Not drilled or compl)
14	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 167H	32.18732	-103.733	3E+09	25	24.0S	31E	2310 S		2200 W		8218	New (Not drilled or compl)
15	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 215H	32.18042	-103.734	3E+09	36	24.0S	31E	200 N		1760 W		10428	New (Not drilled or compl)
16	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 214H	32.18042	-103.735	3E+09	36	24.0S	31E	200 N		1710 W		10416	New (Not drilled or compl)
17	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT SWD 181	32.17668	-103.727	3E+09	36	24.0S	31E	1568 N		1189 E		18226	New (Not drilled or compl)
18	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 210H	32.16707	-103.727	3E+09	36	24.0S	31E	200 S		1300 E			O New (Not drilled or compl)
19	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 209H	32.16707	-103.727	3E+09	36	24.0S	31E	200 S		1350 E			O New (Not drilled or compl)
20	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 207H	32.18137	-103.736	3E+09	25	24.0S	31E	150 S		1300 W			O New (Not drilled or compl)
21	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 244H	32.1804	-103.738	3E+09	36	24.0S	31E	200 N		500 W			O New (Not drilled or compl)
22	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 099	32.18007	-103.73	3E+09	36	24.0S	31E	330 N		2310 E			O New (Not drilled or compl)
23	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 182H	32.18769	-103.73	3E+09	25	24.0S	31E	2440 S		2030 E			O New (Not drilled or compl)
24	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 208H	32.18768	-103.734	3E+09	25	24.0S	31E	2440 S		1980 W			O New (Not drilled or compl)
25	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 292H	32.18044	-103.726	3E+09	36	24.0S	31E	200 N		940 E			O New (Not drilled or compl)
26	Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 290H	32.18044	-103.726	3E+09	36	24.0S	31E	200 N		890 E			O New (Not drilled or compl)
27	Point	FORTE ENERGY CORP	PADUCA FEDERAL 001	32.19015	-103.712	3E+09	30	24.0S	32E	1980 N		1980 E		15531	Plugged
28	Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 007	32.20557	-103.715	3E+09	19	24.0S	32E	1650 N		2310 W		9900	Active
29	Point	COG PRODUCTION, LLC	TURQUOISE 30 FEDERAL SWD 001	32.19027	-103.717	3E+09	30	24.0S	32E	1930 N		1980 W		8754	Plugged
30	Point	COG PRODUCTION, LLC	REDHEAD 31 FEDERAL 001H	32.18011	-103.72	3E+09	31	24.0S	32E	330 N		990 W		10467	New (Not drilled or compl)
31	Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 002H	32.19508	-103.717	3E+09	30	24.0S	32E	190 N		1750 W			O New (Not drilled or compl)
32	Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 004H	32.19511	-103.706	3E+09	30	24.0S	32E	190 N		430 E		10516	New (Not drilled or compl)
33	Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 003H	32.19509	-103.712	3E+09	30	24.0S	32E	190 N		2100 E		10579	New (Not drilled or compl)
34	Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 001H	32.19507	-103.722	3E+09	30	24.0S	32E	190 N		430 W		10507	New (Not drilled or compl)
35	Point	COG PRODUCTION, LLC	KING TUT FEDERAL 001H	32.19506	-103.722	3E+09	30	24.0S	32E	190 N		330 W		8383	New (Not drilled or compl)
36	Point	COG PRODUCTION, LLC	KING TUT FEDERAL 002H	32.19508	-103.718	3E+09	30	24.0S	32E	190 N		1650 W		8415	New (Not drilled or compl)
37	Point	COG PRODUCTION, LLC	KING TUT FEDERAL 003H	32.19509	-103.712	3E+09	30	24.0S	32E	190 N		2200 E			O New (Not drilled or compl)
38	Point	COG PRODUCTION, LLC	KING TUT FEDERAL 004H	32.19511	-103.706	3E+09	30	24.0S	32E	190 N		330 E		8475	New (Not drilled or compl)