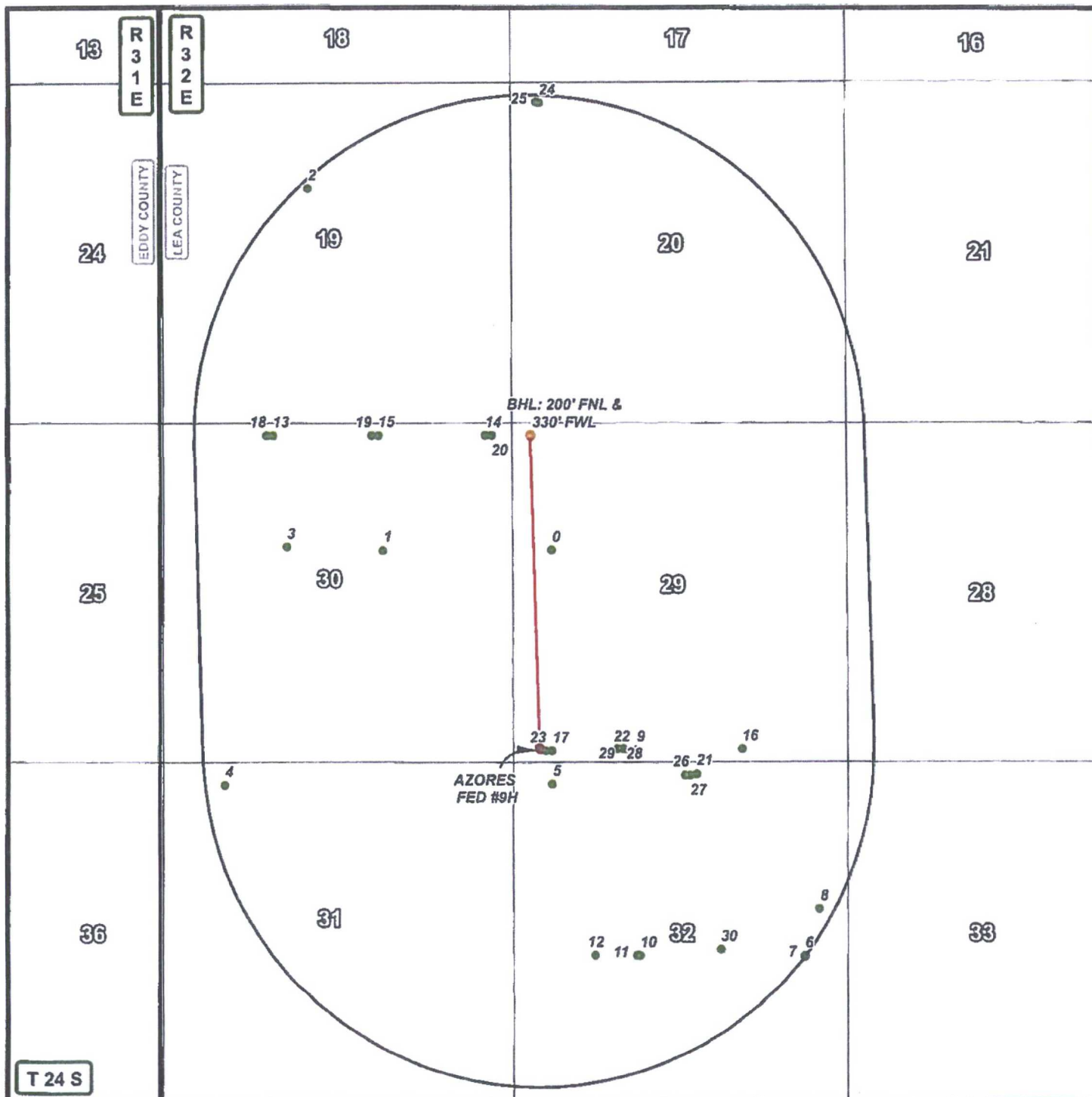




DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JULY 16, 2016.

LEGEND

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

AZORES FEDERAL #9H

SEC: 29 TWP: 24 S. RGE: 32 E. ELEVATION: 3500.5'
 STATE: NEW MEXICO COUNTY: LEA 210' FSL & 460' FWL
 W.O. # 16-856 LEASE: AZORES 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

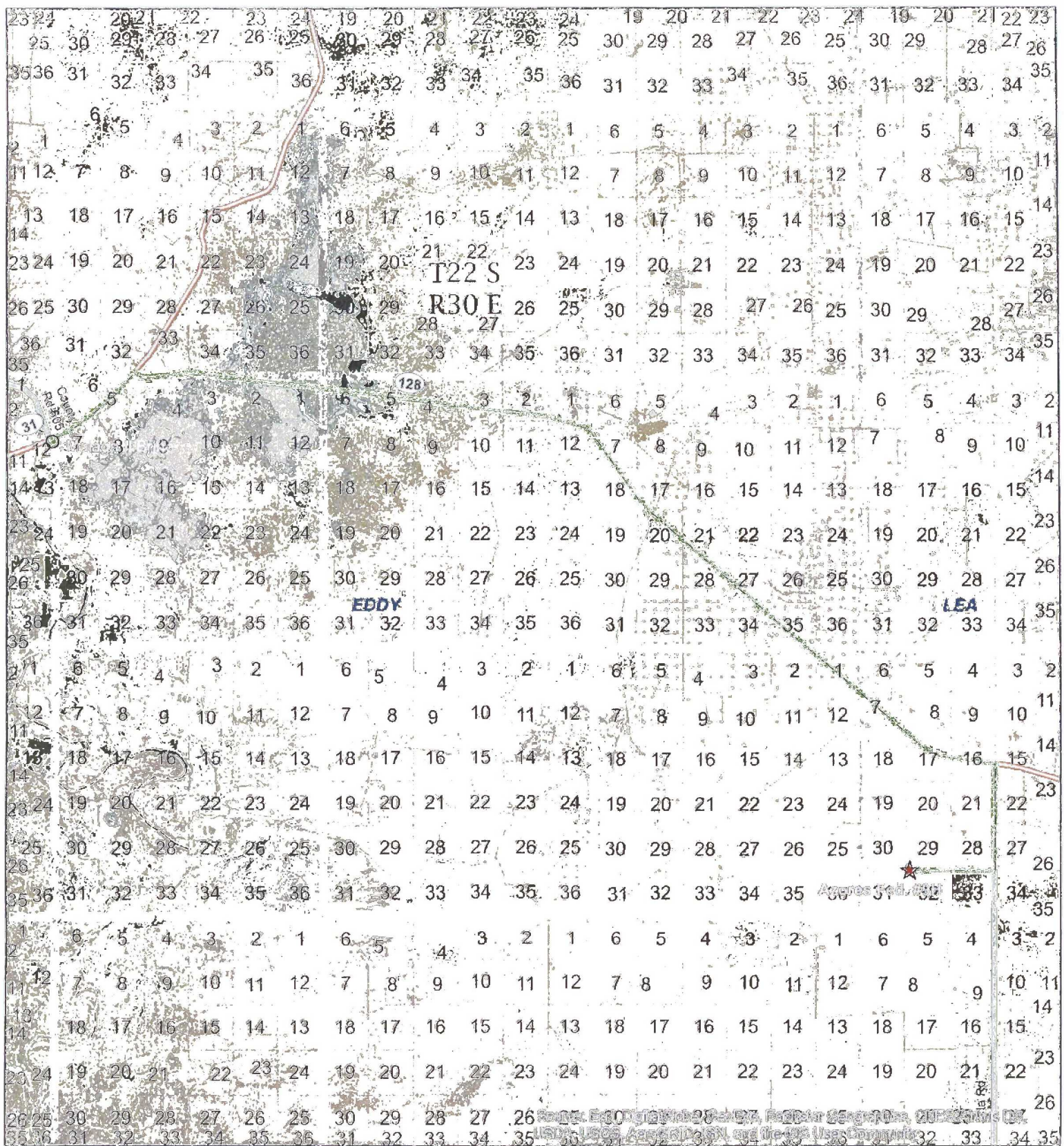
1 MILE MAP

10/24/2016

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



CONCHO

**Azores Federal #9H
To Malaga II Brine**

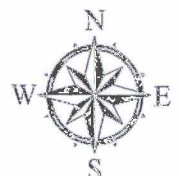
Date: 12/9/2016
Author: Whymie McDonald
State: New Mexico
County: Eddy

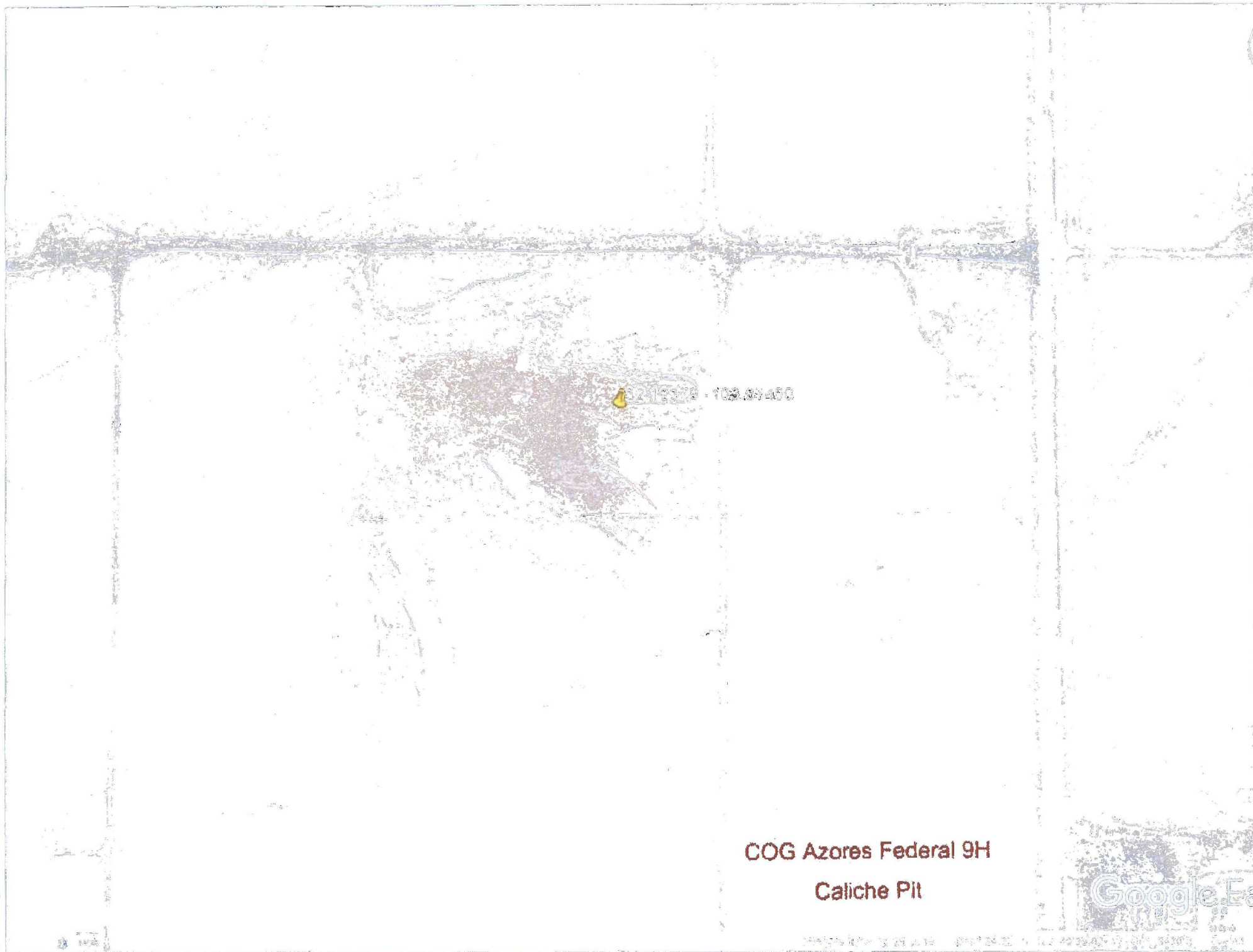
Disclaimer: This is not a legal survey document.

Map Legend

Route

0 1.25 2.5 5 7.5 10 Miles

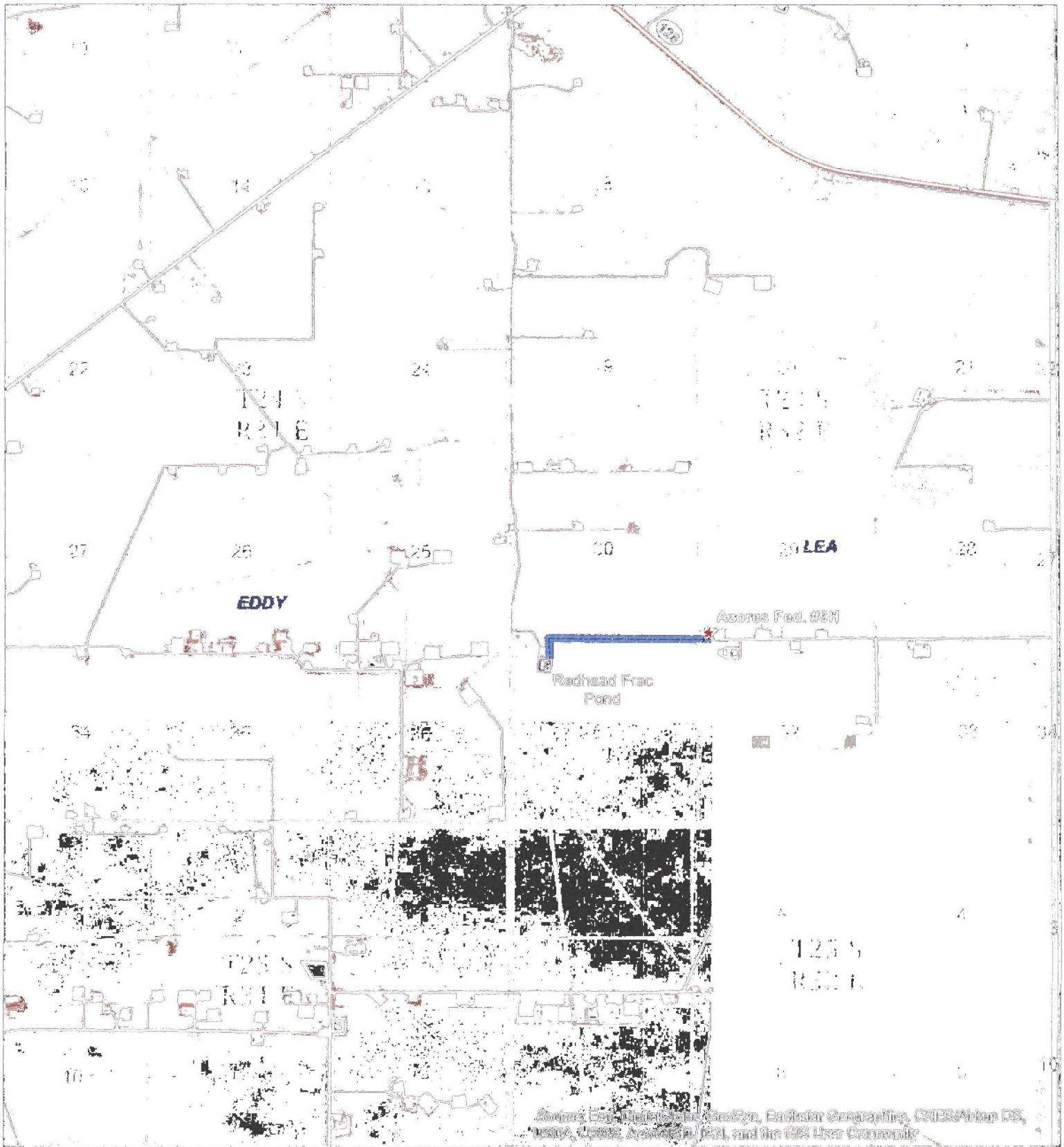




COG Azores Federal 9H

Caliche Pit







**Azores Federal #9M
Water Transfer Route**

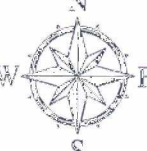
Date: 12/07/2018
 Author: Whyte McDonald
 State: New Mexico
 County: Eddy

Disclaimer: This is not a legal survey document.

Map Legend

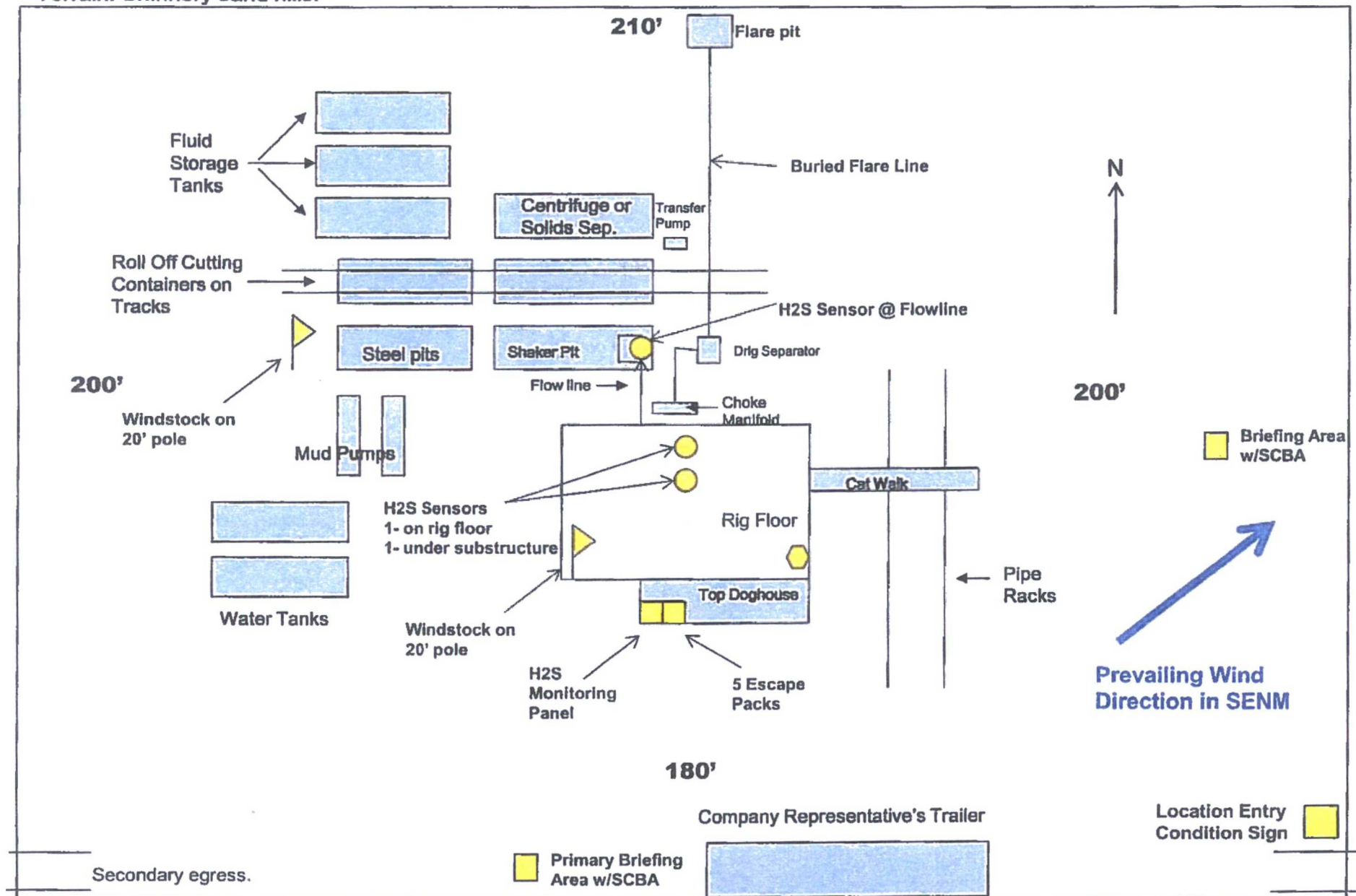
 Route

0 0.3 0.6 1.2 1.8 2.4 Miles

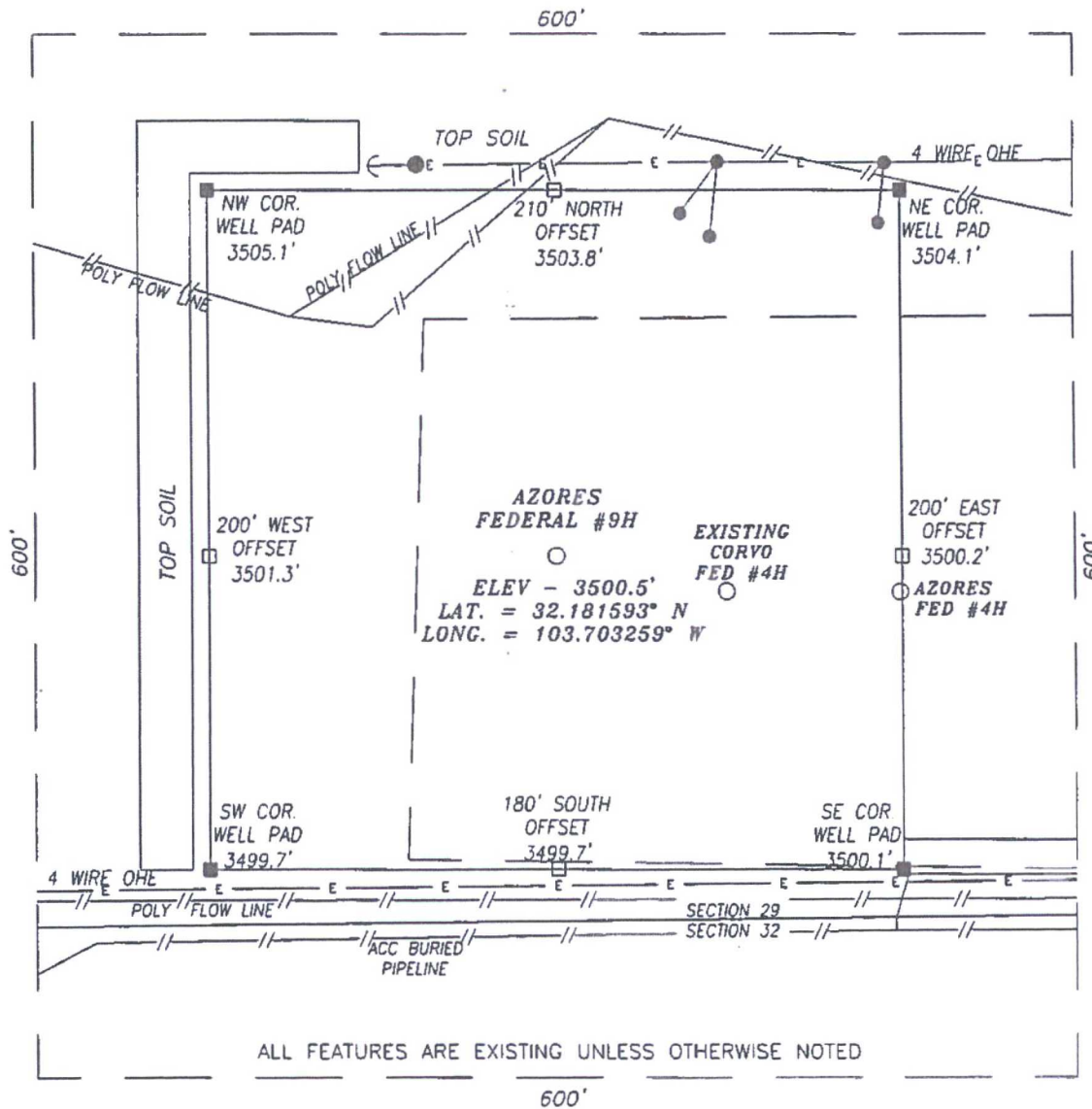


COG Production LLC
Well Site Layout
Terrain: Shinnery sand hills.

Well pad will be 400' X 390'
with cellar in center of pad



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. 2.1 MILES; THEN TURN RIGHT AND GO APPROX. 1.9 MILES TO THE EXISTING CORVO FED #4H AND AZORES FED #4H PAD; PROPOSED WELL IS APPROX. 100 FEET WESTNORTHWEST OF THE CORVO FED #4H.

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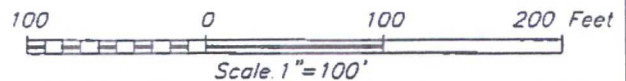
CERTIFICATION

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

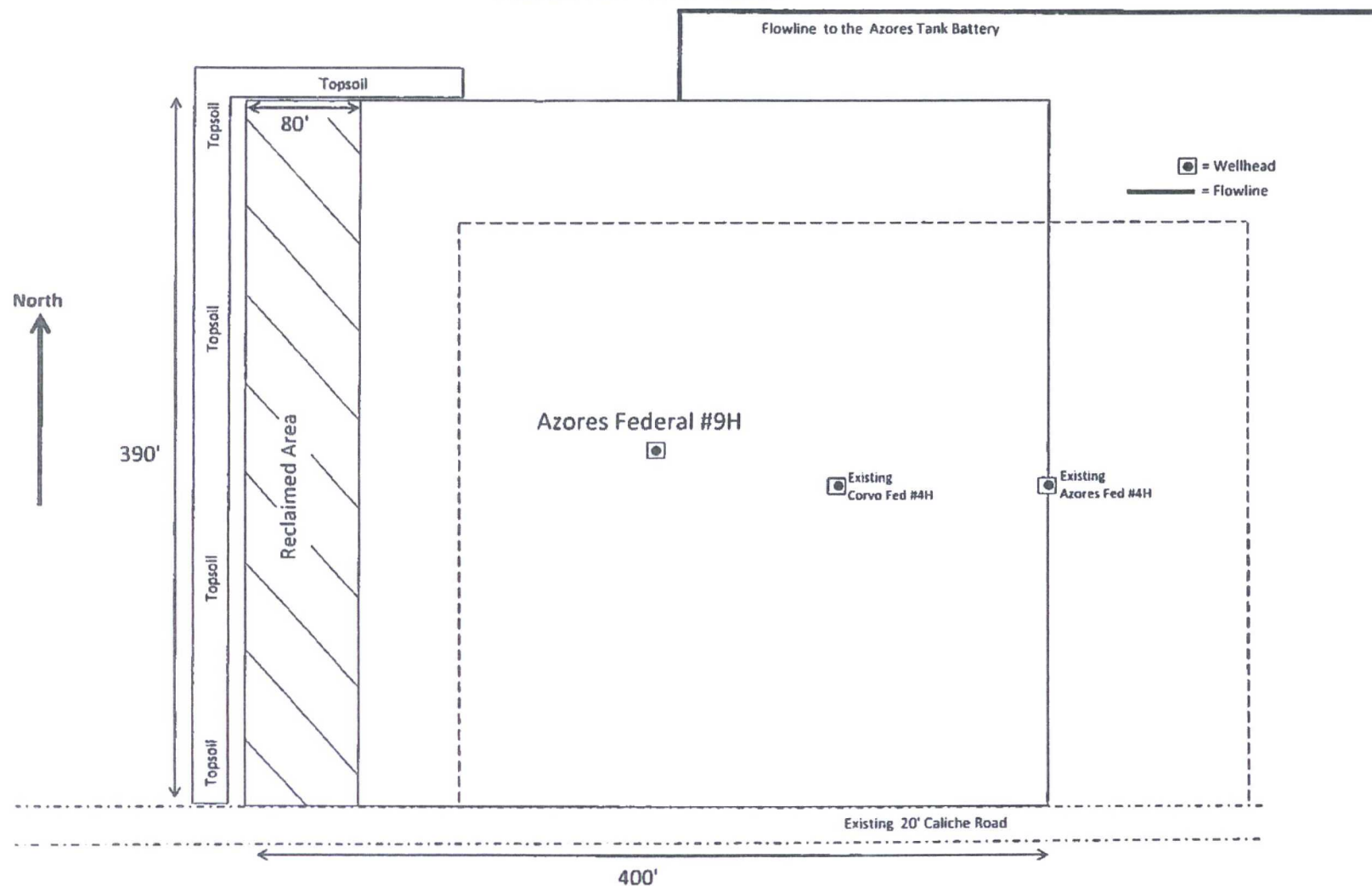
9/7/16
DATE



COG PRODUCTION, LLC

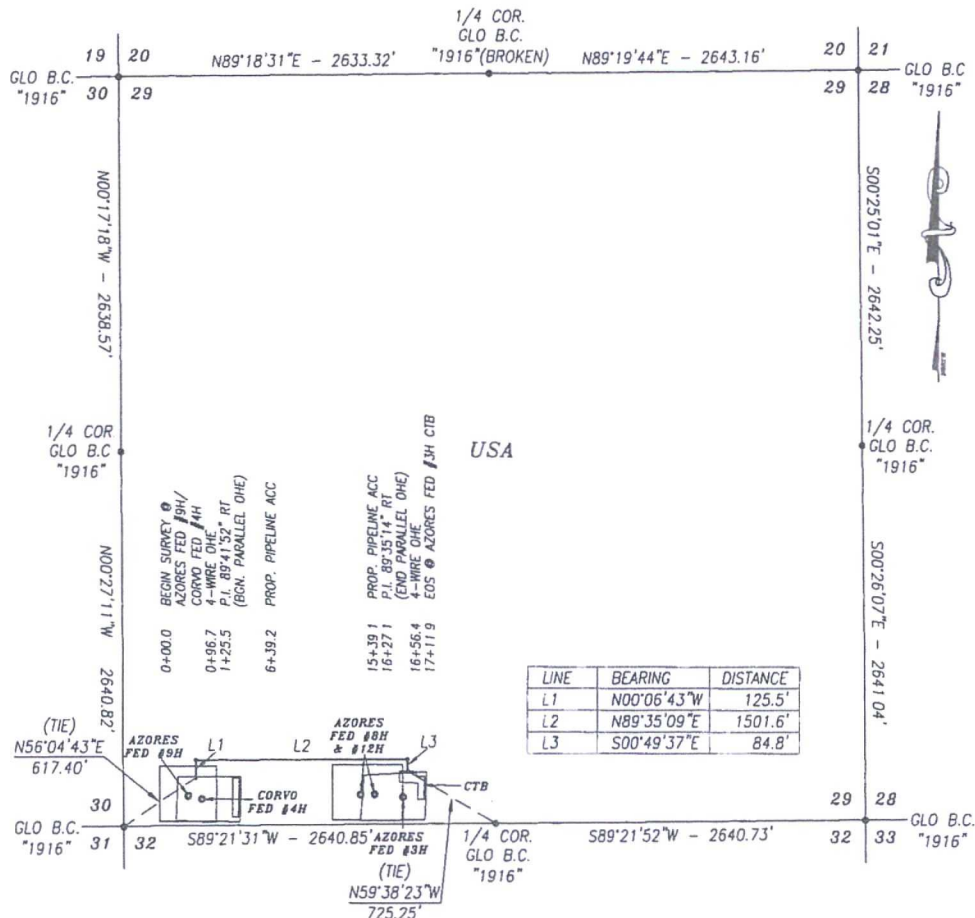
AZORES FEDERAL #9H WELL
LOCATED 210 FEET FROM THE SOUTH LINE
AND 480 FEET FROM THE WEST LINE OF SECTION 29,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: NOV 30, 2015	PAGE: 1 OF 1
DRAFTING DATE: DEC 3, 2015	
APPROVED BY: CH	DRAWN BY: AF FILE: 15-1355



FLOWLINE PLAT **COG PRODUCTION, LLC.**

A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE
AZORES FED #9H TO THE AZORES FED #3H CTB IN
SECTION 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 1711.9 FEET OR 103.75 RODS OR 0.324 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.

BASIS OF BEARING:
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

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

12/15/15
DATE

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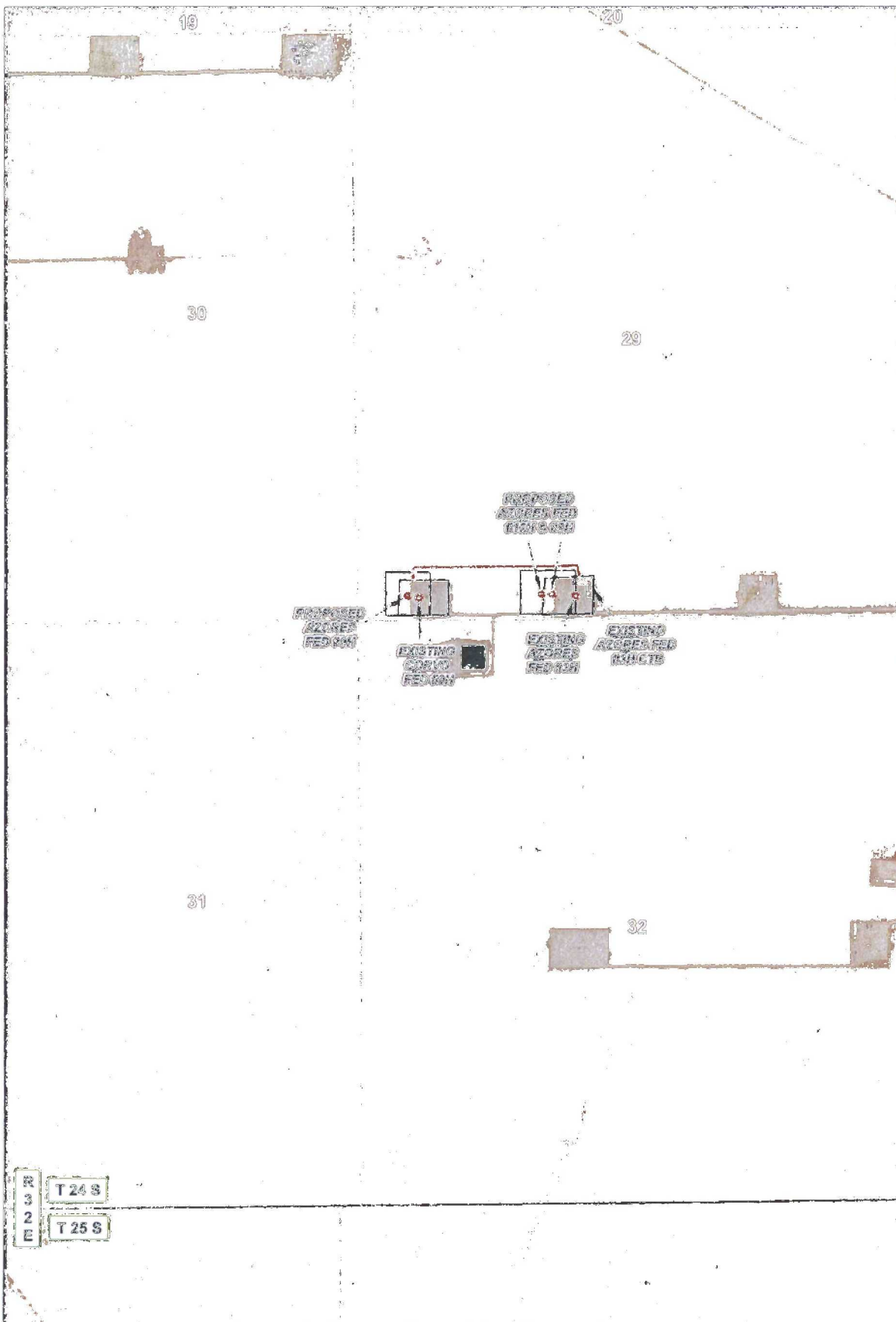


1000 0 1000 2000 FEET
SCALE 1"=1000'

COG PRODUCTION, LLC

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	
DRAFTING DATE: DECEMBER 11, 2015	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: SP FILE: 15-1419



LEGEND FLOWLINE WELL WELLPAD TANK BATTERY		AZORES FED #9H FLOWLINE SECTION: 29 TOWNSHIP: 24 S. RANGE: 32 E. STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M. W.O. # 15-1419 LEASE: AZORES FED		 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
0 0.05 0.1 0.2 Miles 0 0.5 1 1.5 2 2.5 3 Miles 1 IN = 1,000 FT		0 2,500 FEET 1 IN = 1,000 FT		
PIPELINE OVERVIEW IMAGERY 12/11/2015 S.P				