

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 Road, 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

HOBBS OCD

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

SEP 07 2016

RECEIVED

DAMENED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-023-	Pool Code 41442	Pool Name Lusk; Bone Spring, East
Property Code 316718	Property Name OCIOSO 21 FEDERAL COM	Well Number 2H
OGRID No. 000380 5380	Operator Name XTO ENERGY	Elevation 3582'

Surface Location

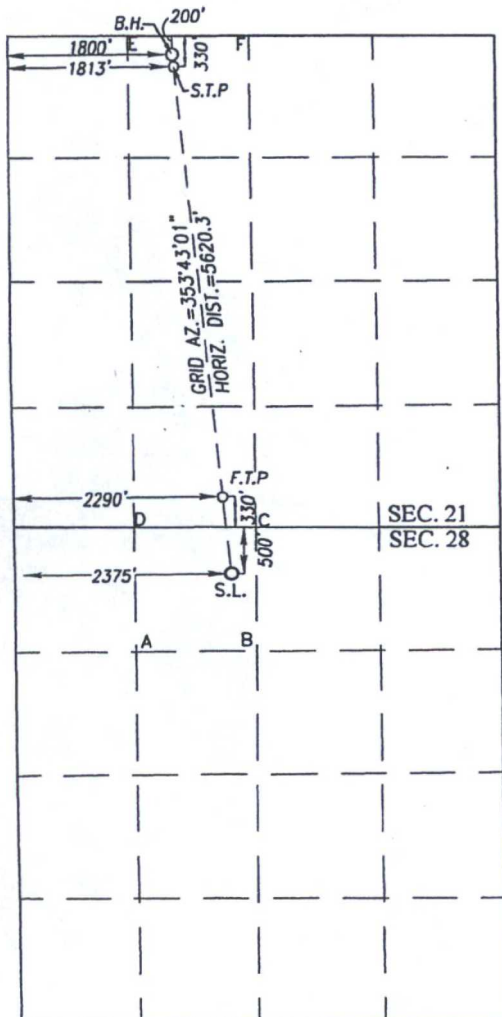
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	19-S	32-E		500	NORTH	2375	WEST	LEA

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
C	21	19-S	32-E		200	NORTH	1800	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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



SCALE: 1"=2000'

GEODETIC COORDINATES NAD 83 NME	GEODETIC COORDINATES NAD 27 NME
BOTTOM HOLE LOCATION Y= 601615.7 N X= 713504.2 E LAT.=32.652642° N LONG.=103.773941° W	BOTTOM HOLE LOCATION Y= 601552.8 N X= 672324.6 E LAT.=32.652521° N LONG.=103.773440° W
SECOND TAKE POINT NAD 83 NME Y= 601485.8 N X= 713518.5 E LAT.=32.652285° N LONG.=103.773896° W	SECOND TAKE POINT NAD 27 NME Y= 601422.9 N X= 672338.9 E LAT.=32.652164° N LONG.=103.773396° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 595144.8 N, X= 671890.2 E
B - Y= 595147.9 N, X= 673209.8 E
C - Y= 596468.2 N, X= 673200.7 E
D - Y= 596465.1 N, X= 671881.0 E
E - Y= 601750.5 N, X= 671838.8 E
F - Y= 601756.6 N, X= 673154.1 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 595207.5 N, X= 713069.9 E
B - Y= 595210.6 N, X= 714389.5 E
C - Y= 596530.9 N, X= 714380.4 E
D - Y= 596527.8 N, X= 713060.7 E
E - Y= 601813.4 N, X= 713018.4 E
F - Y= 601819.4 N, X= 714333.7 E

FIRST TAKE POINT NAD 83 NME Y= 596860.0 N X= 714027.8 E LAT.=32.639563° N LONG.=103.772321° W
--

FIRST TAKE POINT NAD 27 NME Y= 596797.3 N X= 672848.1 E LAT.=32.639442° N LONG.=103.771821° W
--

SURFACE LOCATION NAD 83 NME Y= 596030.4 N X= 714119.1 E LAT.=32.637282° N LONG.=103.772039° W
--

SURFACE LOCATION NAD 27 NME Y= 595967.7 N X= 672939.4 E LAT.=32.637161° N LONG.=103.771539° W
--

OPERATOR CERTIFICATION

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.

Stephanie Rabadue
Signature Date

Stephanie Rabadue
Printed Name

Stephanie.Rabadue@xtoenergy.com
E-mail Address

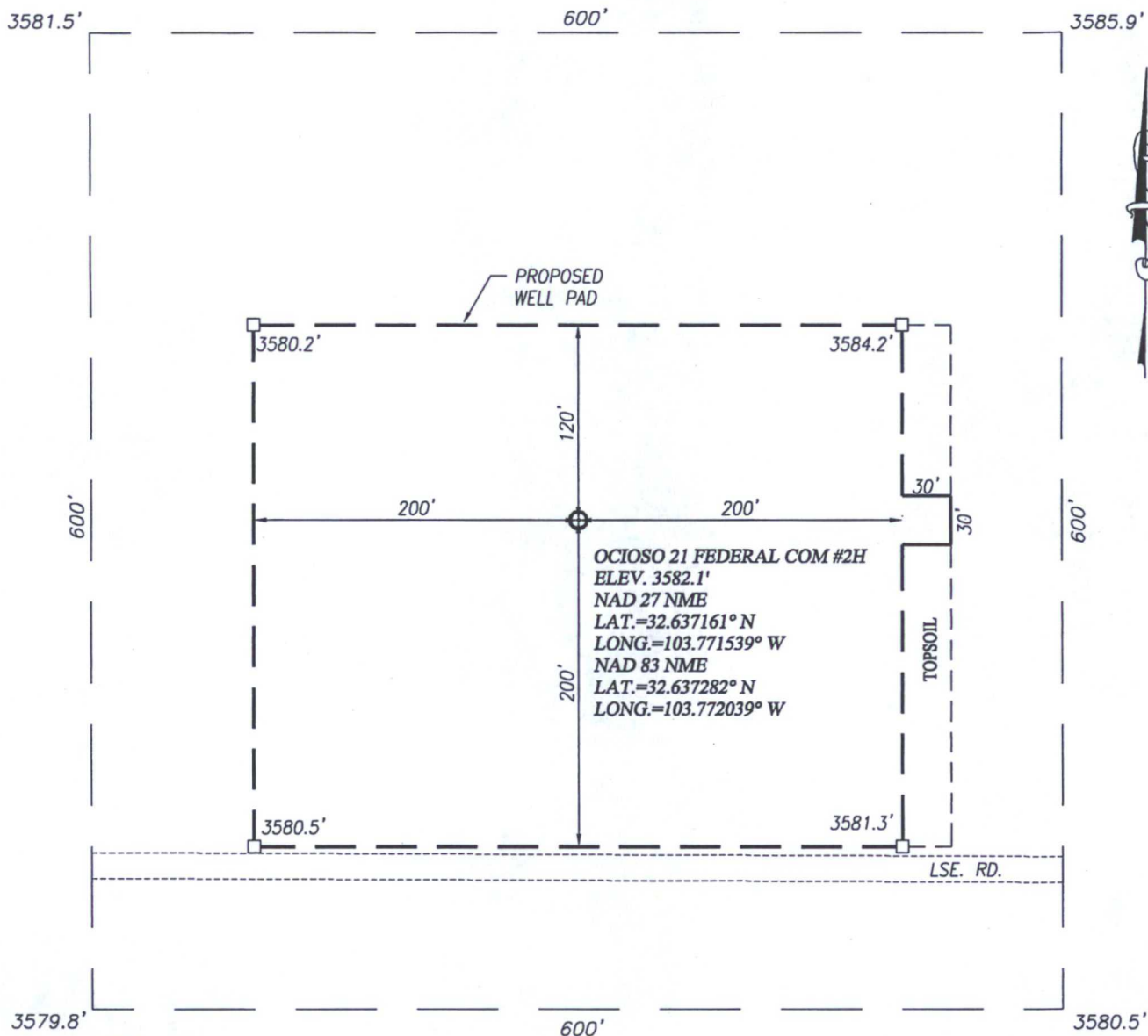
SURVEYOR CERTIFICATION

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.

DECEMBER 30, 2014

Date of Survey
Signature & Seal of Professional Surveyor:

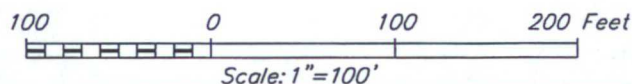
Ronald J. Eidson
Professional Surveyor
3239
Certificate Number
JWSC W.O.: 14.11.1366



NOTE:
1) SEE "LOCATION VERIFICATION MAP"
FOR PROPOSED ROAD LOCATION.

DIRECTIONS TO OCIOSO 21 FEDERAL COM #2H:

FROM THE INTERSECTION OF ST. 243 AND CO. RD. 126
(MALJAMAR) GO NORTH ON CO RD. 126 APPROX. 6.0 MILES TO
DRY LAKE ROAD TURN RIGHT AND GO EAST 0.7 MILES TURN
RIGHT AND GO SOUTHEAST THEN SOUTH 1.4 MILES, TURN LEFT
AND GO EAST 0.3 MILES TO THIS LOCATION.



XTO ENERGY

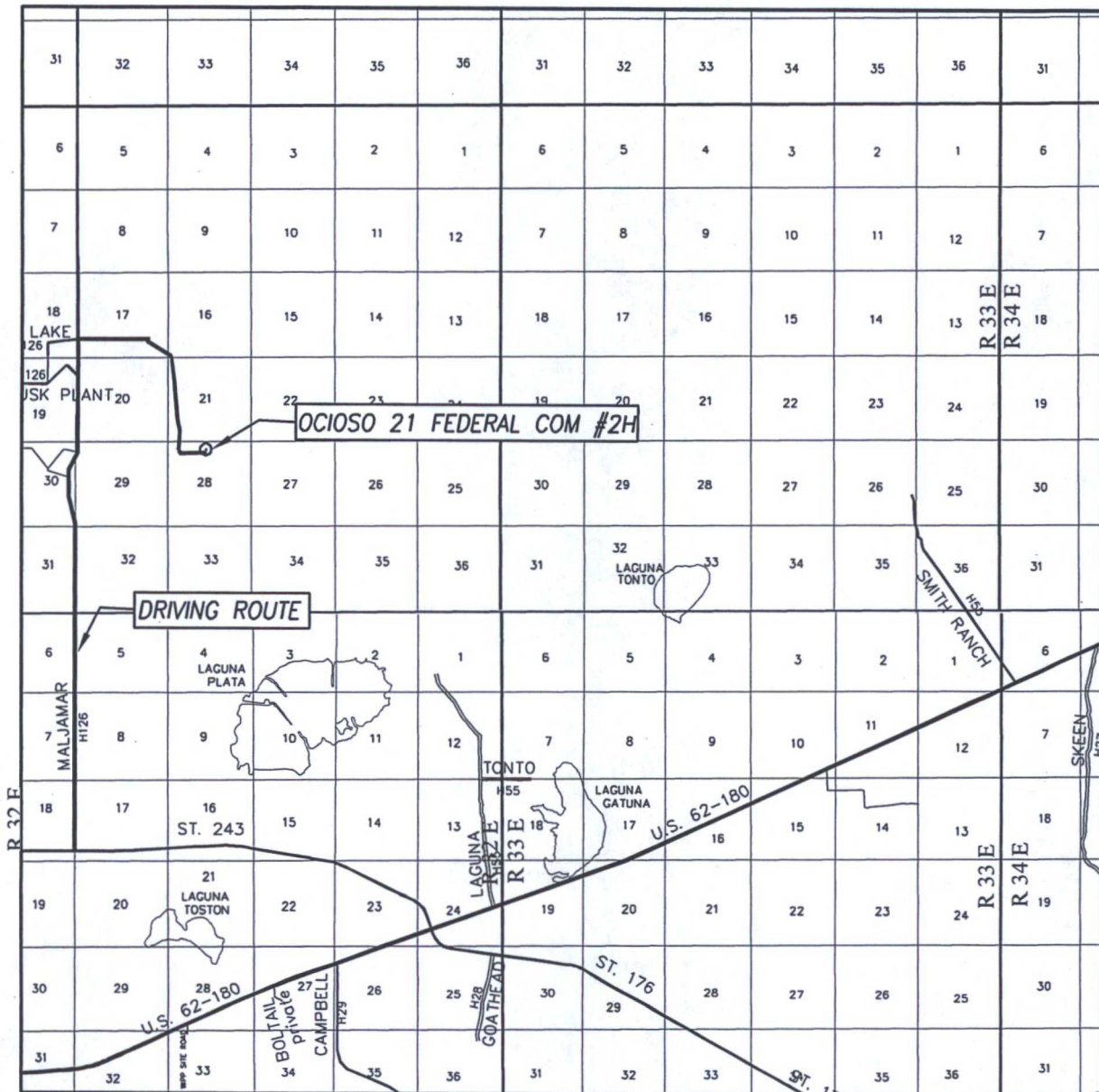
OCIOSO 21 FEDERAL COM #2H WELL LOCATED 500 FEET FROM
THE NORTH LINE AND 2375 FEET FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

Survey Date: 12/30/14	CAD Date: 2/11/15	Drawn By: LSL
W.O. No.: 14111366	Rev: .	Rel. W.O.: Sheet 1 of 1

VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE TOPOGRAPHIC AND ACCESS ROAD MAP

SEC. 28 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

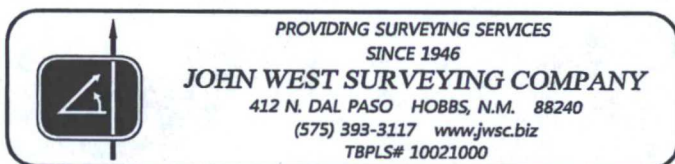
COUNTY LEA STATE NEW MEXICO

DESCRIPTION 500' FNL & 2375' FWL

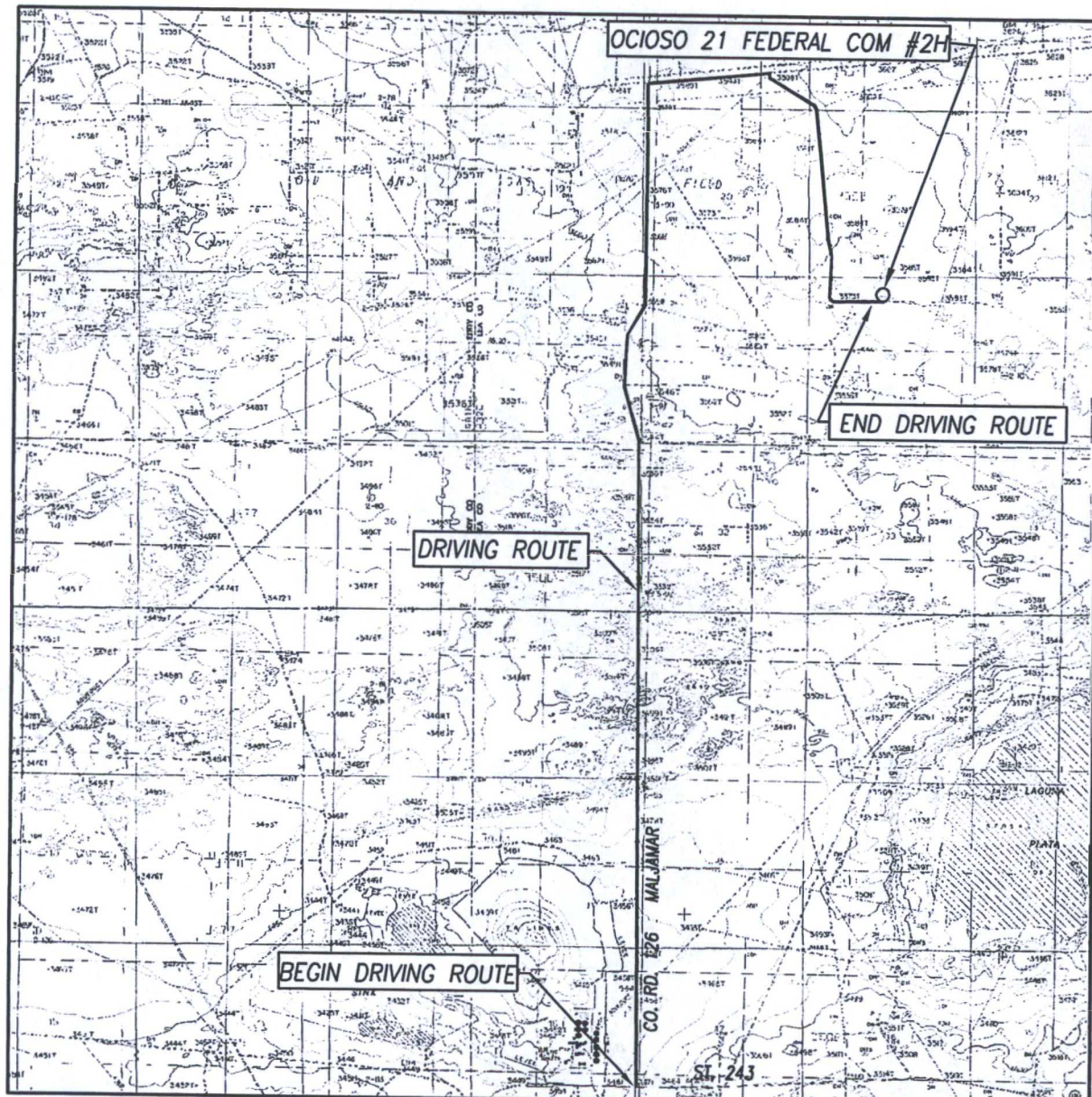
ELEVATION 3582'

OPERATOR XTO ENERGY

LEASE OCIOSO 21 FEDERAL COM



TOPOGRAPHIC AND ACCESS ROAD MAP



SCALE: 1" = 5280'

CONTOUR INTERVAL:
GREENWOOD LAKE, N.M. - 10'
WILLIAMS SINK, N.M. - 10'

SEC. 28 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 500' FNL & 2375' FWL

ELEVATION 3582'

OPERATOR XTO ENERGY

LEASE OCIOSEO 21 FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP
GREENWOOD LAKE, N.M.

DIRECTIONS TO OCIOSEO 21 FEDERAL COM #2H:

FROM THE INTERSECTION OF ST. 243 AND CO. RD. 126 (MALJAMAR)
GO NORTH ON CO. RD. 126 APPROX. 6.0 MILES TO DRY LAKE ROAD
TURN RIGHT AND GO EAST 0.7 MILES TURN RIGHT AND GO
SOUTHEAST THEN SOUTH 1.4 MILES, TURN LEFT AND GO EAST 0.3
MILES TO THIS LOCATION.



PROVIDING SURVEYING SERVICES
SINCE 1946

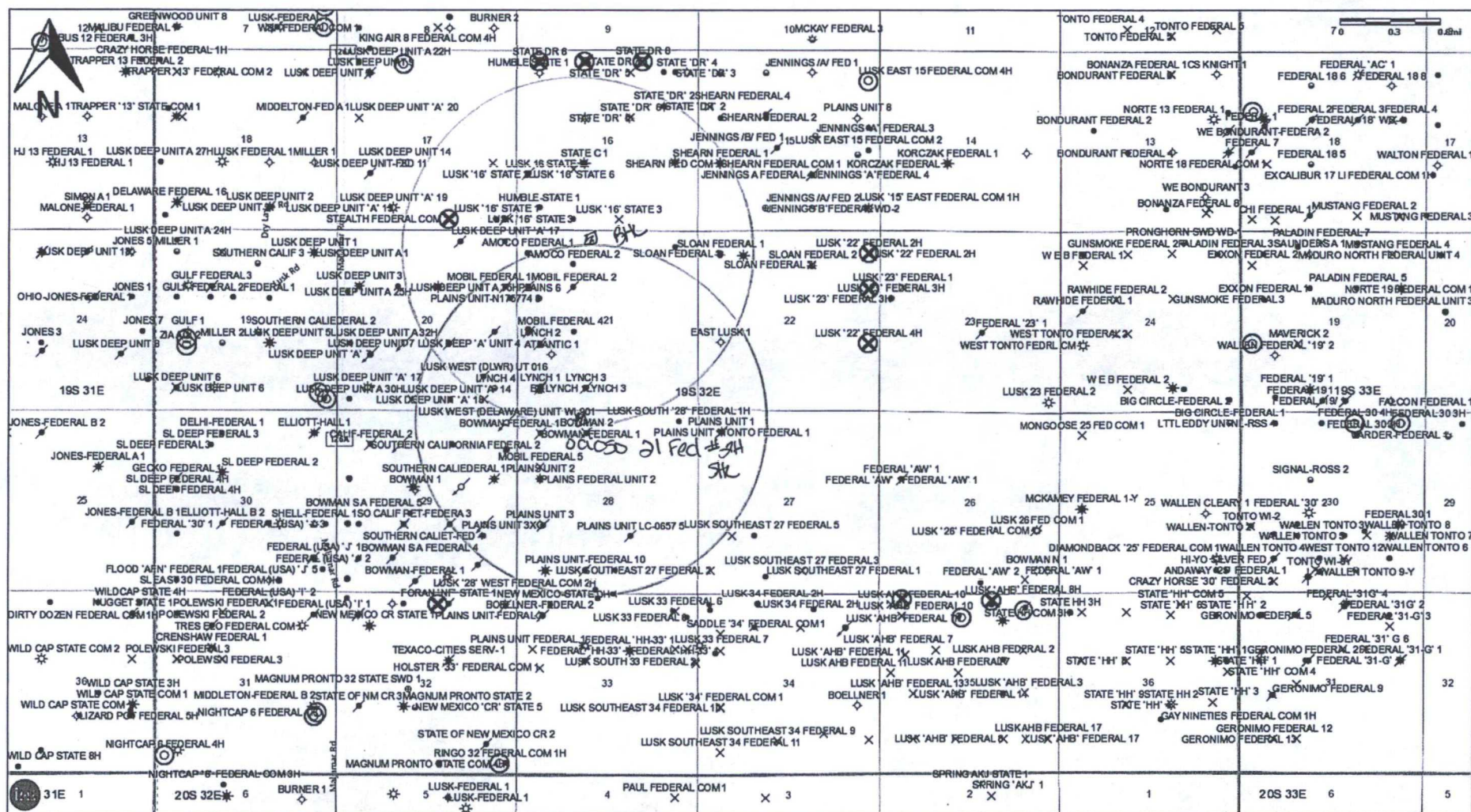
JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240

(575) 393-3117 www.jwsc.biz

TBPLS# 10021000

Ocioso Federal Com



HOBBS OCD

SEP 07 2016

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XTOENERGY

Project: Lea County, NM (NAD27)
Site: Ochozo 21 Federal Com
Well: 2H
Wellbore: Wellbore #2
Design: Plan 1 05-01-15
Rig: Noram 25



T M
 Azimuths to Grid North
 True North: -0.30°
 Magnetic North: 7.10°
 Magnetic Field
 Strength: 48621.8nT
 Dip Angle: 60.67°
 Date: 01/29/15
 Model: HDGM

WELL DETAILS									
				Ground Level	3582.00				
				Easting	672939.40	Latitude	32° 38' 13.77913 N	Longitude	103° 46' 17.54038 W
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Drag	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8845.06	0.00	0.00	8845.06	0.00	0.00	0.00	0.00	0.00
3	9718.68	90.46	353.72	9418.00	974.00	-40.20	10.00	353.72	377.56
4	14791.10	90.46	353.72	9377.52	5585.10	-414.80	0.00	0.00	5618.84

FORMATION TOP DETAILS									
TVDPth	MDPth	Formation	DpAngle	DpDr					
880.00	880.00	Rustler	-0.46	353.72					
1005.00	1005.00	Top Salt	-0.46	353.72					
2491.00	2491.00	Base Salt	-0.46	353.72					
2668.00	2668.00	Yates	-0.46	353.72					
2990.00	2990.00	Seven Rivers	-0.46	353.72					
4760.00	4760.00	Delaware	-0.46	353.72					
5817.00	5817.00	Brushy Canyon	-0.46	353.72					
7293.00	7293.00	Bone Spring	-0.46	353.72					
8488.00	8488.00	First Bone Spring Sand	-0.46	353.72					
9183.11	9206.64	Second Bone Spring Sand	-0.46	353.72					

DESIGN TARGET DETAILS									
Name	TVD	+N-S	+E-W	North	Easting	Latitude	Longitude	Shape	
BHL_2H	9377.52	5585.10	-414.80	601552.80	672324.60	32° 38' 9.07715 N	103° 46' 24.35564 W	Rectangle (Sides: L5041.44 W1000.00)	
TP2_2H	9378.57	5455.20	-600.50	601422.90	672338.90	32° 38' 7.79101 N	103° 46' 24.22640 W	Point	
TP1_2H	9413.94	629.60	-91.30	596797.30	672348.10	32° 38' 21.99300 N	103° 46' 18.55678 W	Point	

LEGEND

— 2H, Wellbore #1, Plot Hole VO
 — Plan 1 05-01-15

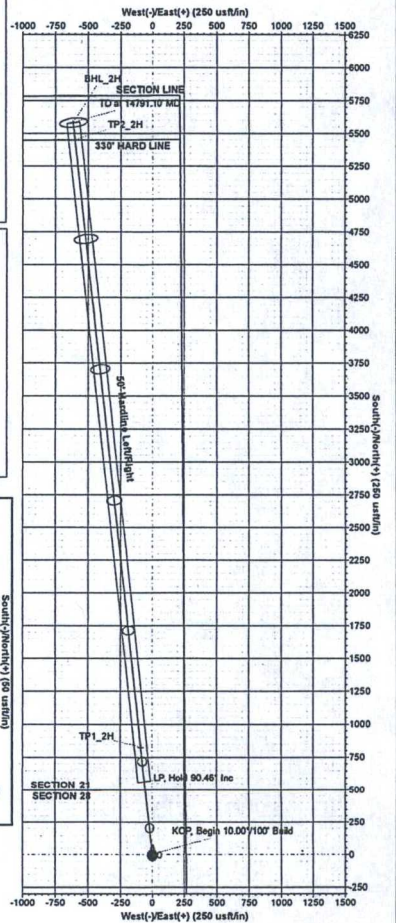
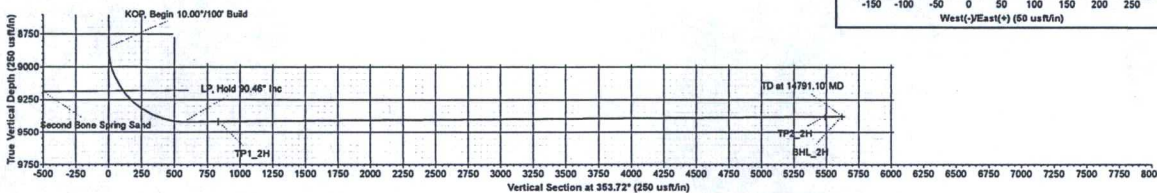
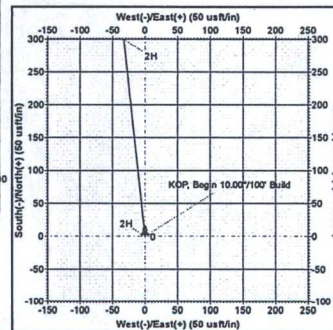
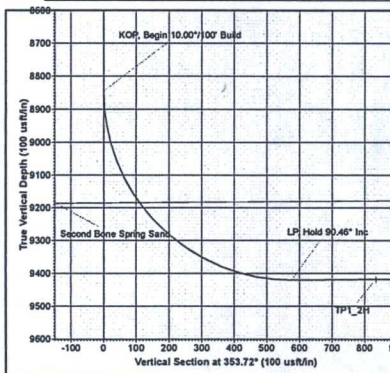
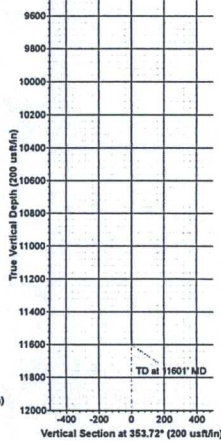
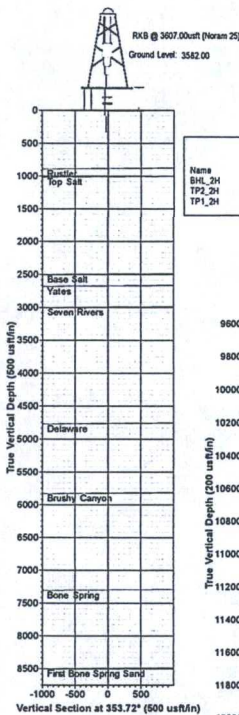
Map System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone Name: New Mexico East 3001

Local Origin: Well 2H, Grid North
 Latitude: 32° 38' 13.77913 N
 Longitude: 103° 46' 17.54038 W

Grid East: 672939.40
 Grid North: 595987.70
 Scale Factor: 1.000

Geomagnetic Model: HDGM
 Sample Date: 01-May-15
 Magnetic Declination: 7.40°
 Dip Angle from Horizontal: 60.67°
 Magnetic Field Strength: 48622

To convert a Magnetic Direction to a Grid Direction, Add 7.10°
 To convert a Magnetic Direction to a True Direction, Add 7.40° East
 To convert a True Direction to a Grid Direction, Subtract 0.30°



Created By: Travis Koss Date: 13.45, May 01 2015