

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

API NUMBER: 011 24088

Approval Date: 09/17/2018

Expiration Date: 03/17/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 14N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 292 2300

Lease Name: BODEN

Well No: 3-10-15XHM

Well will be 292 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

LOUIS & JANICE HOOD, TTEES
PO BOX 64
GREENFIELD OK 73043

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 MISS'AN LM	12507	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 102663
107747

Location Exception Orders:

Increased Density Orders: 680525
680524

Pending CD Numbers: 201804338
201804339

Special Orders:

Total Depth: 23118

Ground Elevation: 1717

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35321

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 15 Twp 14N Rge 12W County BLAINE

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2300

Depth of Deviation: 11904

Radius of Turn: 477

Direction: 180

Total Length: 10465

Measured Total Depth: 23118

True Vertical Depth: 12507

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

9/6/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/6/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INCREASED DENSITY - 680524

9/17/2018 - G58 - 10-14N-12W
X107747 MPLM
3 WELLS
CONTINENTAL RESOURCES, INC.
7/23/2018

INCREASED DENSITY - 680525

9/17/2018 - G58 - 15-14N-12W
X107747 MPLM
3 WELLS
CONTINENTAL RESOURCES, INC.
7/23/2018

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

011 24088 BODEN 3-10-15XHM

Category	Description
INTERMEDIATE CASING	9/6/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	9/6/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201804338	9/17/2018 - G58 - (I.O.) 10 & 15-14N-12W EST MULTIUNIT HORIZONTAL WELL X107747 MPLM 50% 10-14N-12W 50% 15-14N-12W NO OP. NAMED REC 6/26/2018 (FOREMAN)
PENDING CD - 201804339	9/17/2018 - G58 - (I.O.) 10 & 15-14N-12W X107747 MPLM X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (10-14N-12W) NCT 150 FNL, NCT 0 FSL, NCT 1320 FEL COMPL. INT. (15-14N-12W) NCT 0 FNL, NCT 150 FSL, NCT 1320 FEL NO OP. NAMED REC 6/26/2018 (FOREMAN)
SPACING - 102663	9/17/2018 - G58 - (640) 10 & 15-14N-12W EXT OTHERS EST CSTR, MPLM, OTHERS
SPACING - 107747	9/17/2018 - G58 - NPT 102663 TO CORRECT FORMATION NOMENCLATURE

EXHIBIT: A (1 of 2)
SHEET: 8.5x14
SHL: 3-14N-12W
BHL-3 15-14N-12W



COVER SHEET

CONTINENTAL RESOURCES, INC.
P.O. BOX 26900 OKLAHOMA CITY, OK 73126 * (T) 1-800-256-8955 (F) 405-234-9253


Section 3 Township 14N Range 12W I.M. Well: BODEN 3-10-15XHM 011-24088
County BLAINE State OK Well: --
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	BODEN 3-10-15XHM	259347	1830435	35° 42' 41.58" -98° 27' 54.20"	35.711549 -98.465056	292' FSL / 2300' FWL (SW/4 SEC 3)	1716.79'	1717.46'
LP-3	LANDING POINT	259006	1830433	35° 42' 38.20" -98° 27' 54.21"	35.710611 -98.465058	50' FNL / 2300' FWL (NW/4 SEC 10)	--	--
BHL-3	BOTTOM HOLE LOCATION	248541	1830425	35° 40' 54.70" -98° 27' 53.70"	35.681862 -98.464916	50' FSL / 2300' FWL (SW/4 SEC 15)	--	--
X-1	CARTER #1-3	260373	1829308	35° 42' 51.67" -98° 28' 07.94"	35.714353 -98.468871	3-14N-12W:SW4 TD: 11,093' 1,320' FNL / 1,470' FEL	--	--
X-2	ROMACK #1-3H	259335	1829240	35° 42' 41.40" -98° 28' 08.69"	35.711501 -98.469081	3-14N-12W:SE4SE4SW4SW4 TD: 17,840' 275' FSL / 1,105' FWL	--	--
X-3	NEELY #1-10	257740	1829440	35° 42' 25.63" -98° 28' 06.18"	35.707120 -98.468384	10-14N-12W:NW4 TD: 11,124' 1,320' FNL / 1,320' FEL	--	--
X-4	PIERCE #10-1	257728	1832080	35° 42' 25.64" -98° 27' 34.17"	35.707122 -98.459492	10-14N-12W:NE4 TD: 13,770' 1,320' FSL / 1,320' FWL	--	--
X-5	REDWOOD #1-10H	253995	1828486	35° 41' 48.55" -98° 28' 17.53"	35.696819 -98.471535	10-14N-12W:SE4SW4SW4SW4 TD: 17,916' 220' FSL / 360' FWL	--	--
X-6	MASSENGILL #1	249917	1829446	35° 41' 08.27" -98° 28' 05.65"	35.685631 -98.468236	15-14N-12W:SW4 TD: 11,394' 1,420' FSL / 1,320' FWL	--	--
X-7	JUSTICE #1	250014	1832053	35° 41' 09.36" -98° 27' 34.05"	35.685932 -98.459457	15-14N-12W:SE4 TD: 11,650' 1,520' FSL / 1,320' FWL	--	--
X-8	SEYLER #1-15	248835	1829755	35° 40' 57.58" -98° 28' 01.84"	35.682662 -98.467177	15-14N-12W:NW4SW4SE4SW4 TD: 11,392' 340' FSL / 1,630' FWL	--	--
X-9	BODEN #1-15-10XH	248723	1829275	35° 40' 56.46" -98° 28' 07.65"	35.682349 -98.468791	15-14N-12W:SE4SE4SW4SW4 TD: 22,795' 225' FSL / 1,150' FWL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	BODEN 3-10-15XHM	259323	1862036	35° 42' 41.41" -98° 27' 52.94"	35.711502 -98.464707	292' FSL / 2300' FWL (SW/4 SEC 3)	1716.79'	1717.46'
LP-3	LANDING POINT	258981	1862033	35° 42' 38.03" -98° 27' 52.95"	35.710564 -98.464709	50' FNL / 2300' FWL (NW/4 SEC 10)	--	--
BHL-3	BOTTOM HOLE LOCATION	248516	1862025	35° 40' 54.53" -98° 27' 52.44"	35.681814 -98.464568	50' FSL / 2300' FWL (SW/4 SEC 15)	--	--
X-1	CARTER #1-3	260349	1860908	35° 42' 51.50" -98° 28' 06.68"	35.714306 -98.468522	3-14N-12W:SW4 TD: 11,093' 1,320' FNL / 1,470' FEL	--	--
X-2	ROMACK #1-3H	259311	1860841	35° 42' 41.24" -98° 28' 07.44"	35.711454 -98.468732	3-14N-12W:SE4SE4SW4SW4 TD: 17,840' 275' FSL / 1,105' FWL	--	--
X-3	NEELY #1-10	257715	1861040	35° 42' 25.46" -98° 28' 04.93"	35.707073 -98.468035	10-14N-12W:NW4 TD: 11,124' 1,320' FNL / 1,320' FEL	--	--
X-4	PIERCE #10-1	257703	1863680	35° 42' 25.47" -98° 27' 32.92"	35.707075 -98.459143	10-14N-12W:NE4 TD: 13,770' 1,320' FSL / 1,320' FWL	--	--
X-5	REDWOOD #1-10H	253970	1860086	35° 41' 48.38" -98° 28' 16.27"	35.696772 -98.471187	10-14N-12W:SE4SW4SW4SW4 TD: 17,916' 220' FSL / 360' FWL	--	--
X-6	MASSENGILL #1	249893	1861046	35° 41' 08.10" -98° 28' 04.40"	35.685583 -98.467888	15-14N-12W:SW4 TD: 11,394' 1,420' FSL / 1,320' FWL	--	--
X-7	JUSTICE #1	249990	1863653	35° 41' 09.18" -98° 27' 32.79"	35.685884 -98.459109	15-14N-12W:SE4 TD: 11,650' 1,520' FSL / 1,320' FWL	--	--
X-8	SEYLER #1-15	248811	1861355	35° 40' 57.41" -98° 28' 00.58"	35.682615 -98.466828	15-14N-12W:NW4SW4SE4SW4 TD: 11,392' 340' FSL / 1,630' FWL	--	--
X-9	BODEN #1-15-10XH	248699	1860875	35° 40' 56.29" -98° 28' 06.39"	35.682301 -98.468443	15-14N-12W:SE4SE4SW4SW4 TD: 22,795' 225' FSL / 1,150' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: ****--*-18**
Date Drawn: **09-04-18**



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

R E V I S I O N S				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	09-04-18	TJW	ISSUED FOR APPROVAL	--

BHL-3 15-14N-12W

10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



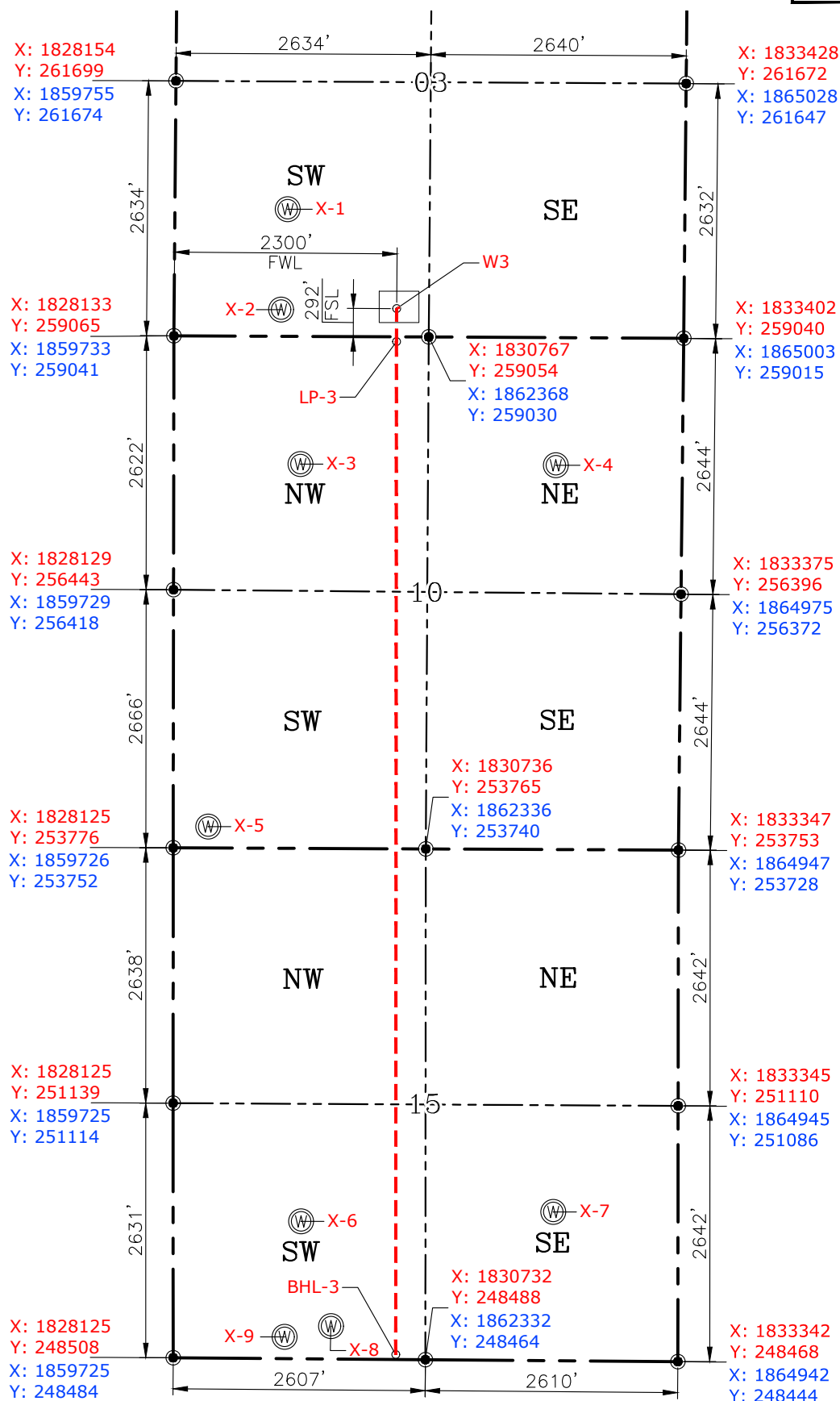
CONTINENTAL
RESOURCES, INC
(OPERATOR)

BLAINE

County Oklahoma

292' FSL-2300' FWL Section 3 Township 14N Range 12W I.M.


WELL: BODEN 3-10-15XHM



011-24088



GRAPHIC SCALE
(IN FEET)
1 inch = 1,600 ft.

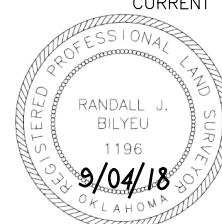


GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1600'

I, RANDALL J. BILYEU an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

Date Staked: **--**--18
Date Drawn: 09-04-18

CURRENT REV.: 0



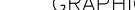
Randall F. Bilyeu

Oklahoma PLS No.1196 DATE

Certificate of Authorization No. 7318

GRAPHIC SCALE

4,000' 0 4,000' 8,000'



(IN FEET)
1 inch = 8,000 ft.

[illegible]

EXHIBIT: D
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-3 15-14N-12W



WELL W3: BODEN 3-10-15XHM
WELL W4: --

FACING NORTH

(NO IMAGES AVAILABLE)

FACING SOUTH

(NO IMAGES AVAILABLE)

CURRENT REV.: 0



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

TERRAIN

DRAWN BY:	TJW	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-1
DATE ISSUED:	09-04-18	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-3 15-14N-12W



WELL W3: BODEN 3-10-15XHM
WELL W4: --

FACING EAST

(NO IMAGES AVAILABLE)

FACING WEST

(NO IMAGES AVAILABLE)

CURRENT REV.: 0



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

TERRAIN

DRAWN BY:	TJW	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	09-04-18	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-3 15-14N-12W



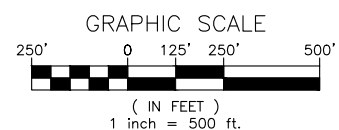
WELL W3: BODEN 3-10-15XHM
WELL W4: --

PROPOSED ACCESS ROAD = 399' | 24.18 RODS (TOTAL)



GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 500'

Section 3 Township 14N Range 12W I.M.
County BLAINE State OK
Operator CONTINENTAL RESOURCES, INC.



CURRENT REV.: 0



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

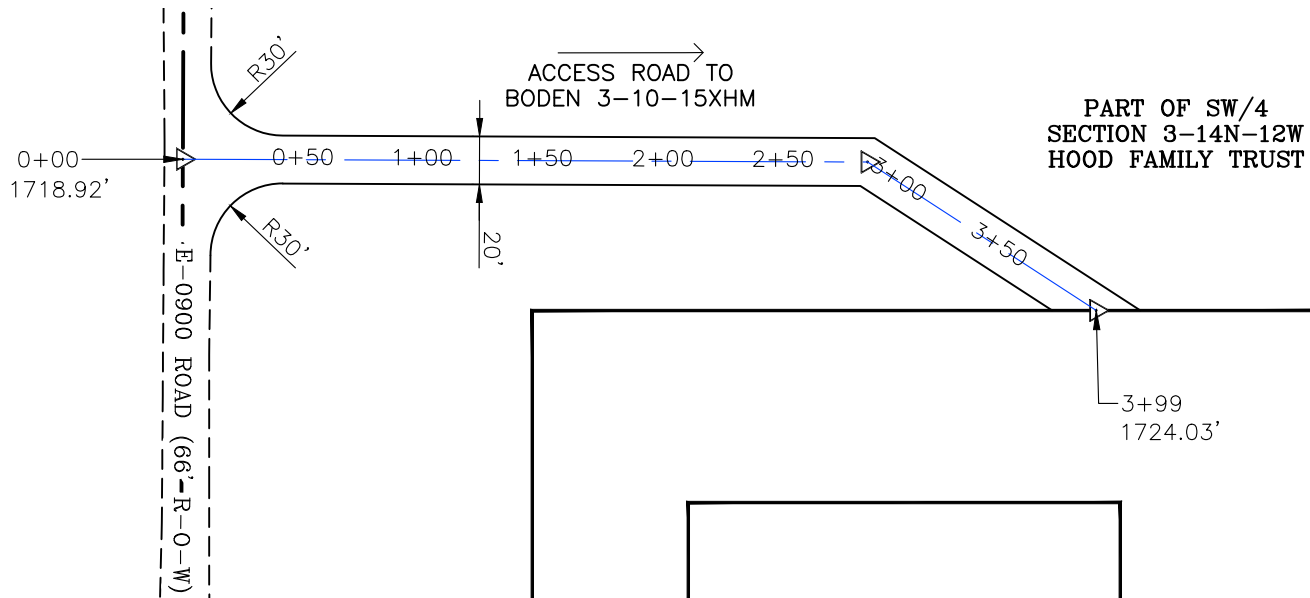
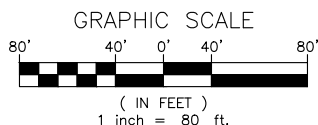
AERIAL PLAT

DRAWN BY:	TJW	SCALE:	1" = 500'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	09-04-18	SHEET:	1 OF 4

EXHIBIT: G
 SHEET: 8.5x11
 SHL: 3-14N-12W
 BHL-3 15-14N-12W



GPS DATUM - OK NORTH ZONE
 US FEET SCALE: 1" = 80'

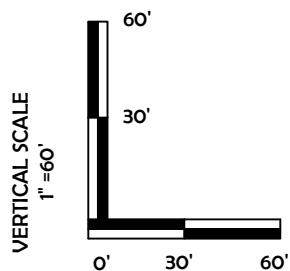


- * THIS PROPOSED LEASE ROAD PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.
- * THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.

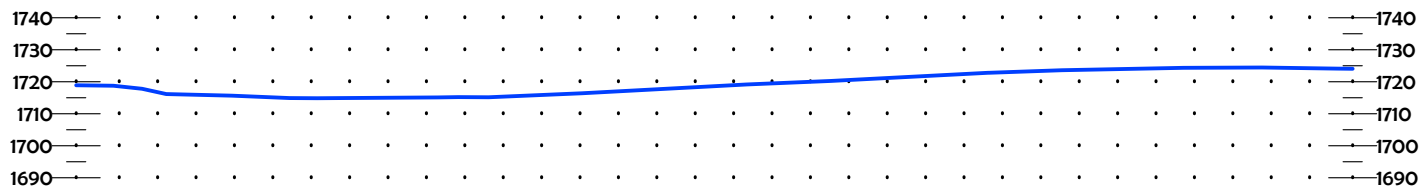
Well W3: BODEN 3-10-15XHM

Well W4: --

PROPOSED ACCESS ROAD = 399' | 24.18 RODS (TOTAL)



HORIZONTAL SCALE
 1" = 60'



CURRENT REV.: 0



Prepared By:
 Petro Land Services South
 10400 Vineyard Blvd.
 Suite C
 Oklahoma City, OK 73120



P.O. Box 26900
 Oklahoma City
 Oklahoma, 73126
 (T) 1-800-256-8955
 (F) 405-234-9253

LEASE ROAD PLAN & PROFILE

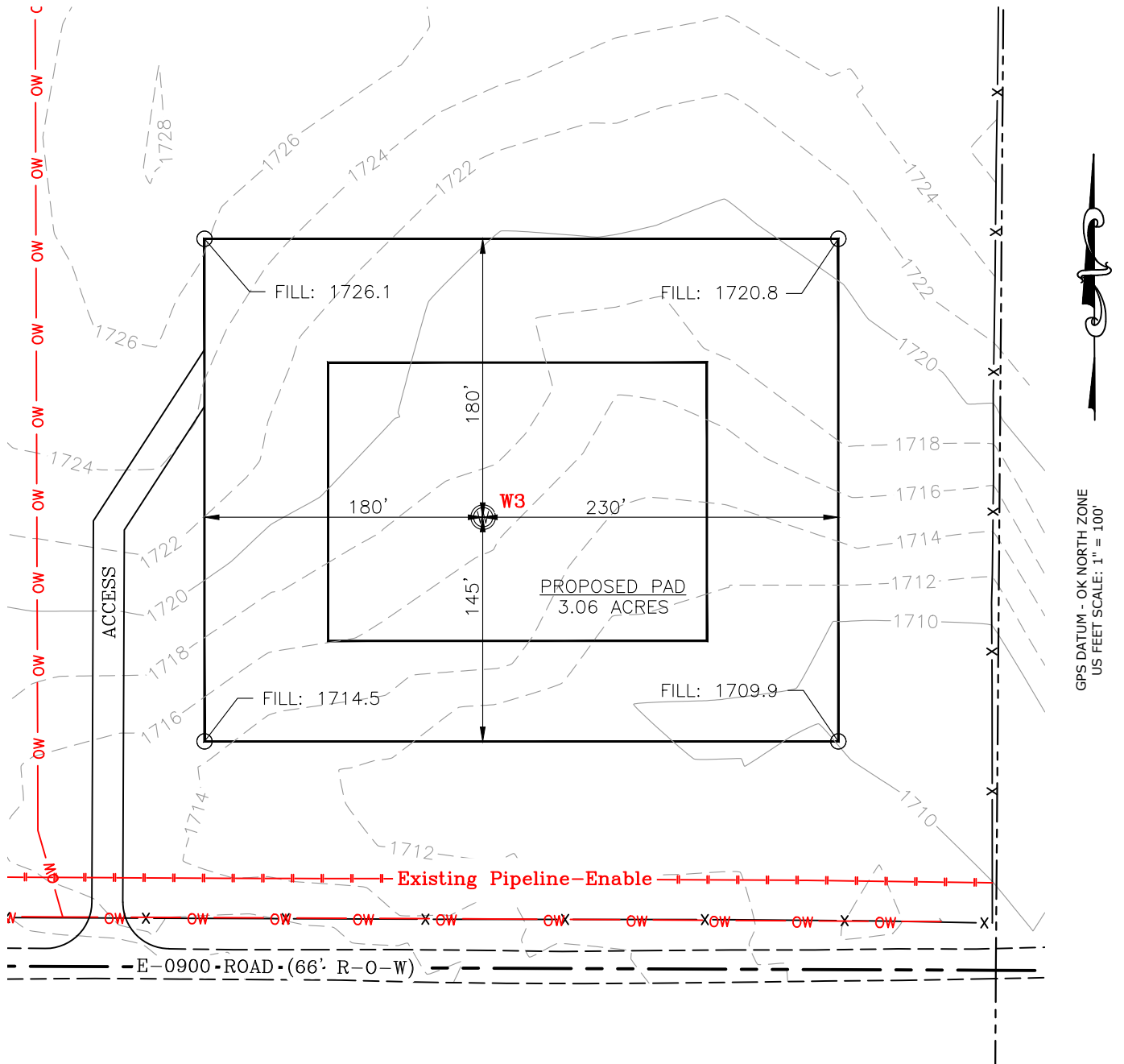
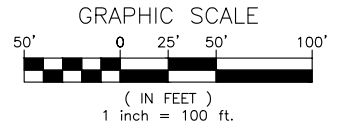
DRAWN BY:	TJW	SCALE:	AS NOTED
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	09-04-18	SHEET:	2 OF 4

EXHIBIT: H
 SHEET: 8.5x11
 SHL: 3-14N-12W
 BHL-3: 15-14N-12W



WELL W3: BODEN 3-10-15XHM

WELL W4: --



CURRENT REV.: 0



Prepared By:
 Petro Land Services South
 10400 Vineyard Blvd.
 Suite C
 Oklahoma City, OK 73120

EXISTING GRADING PLAN

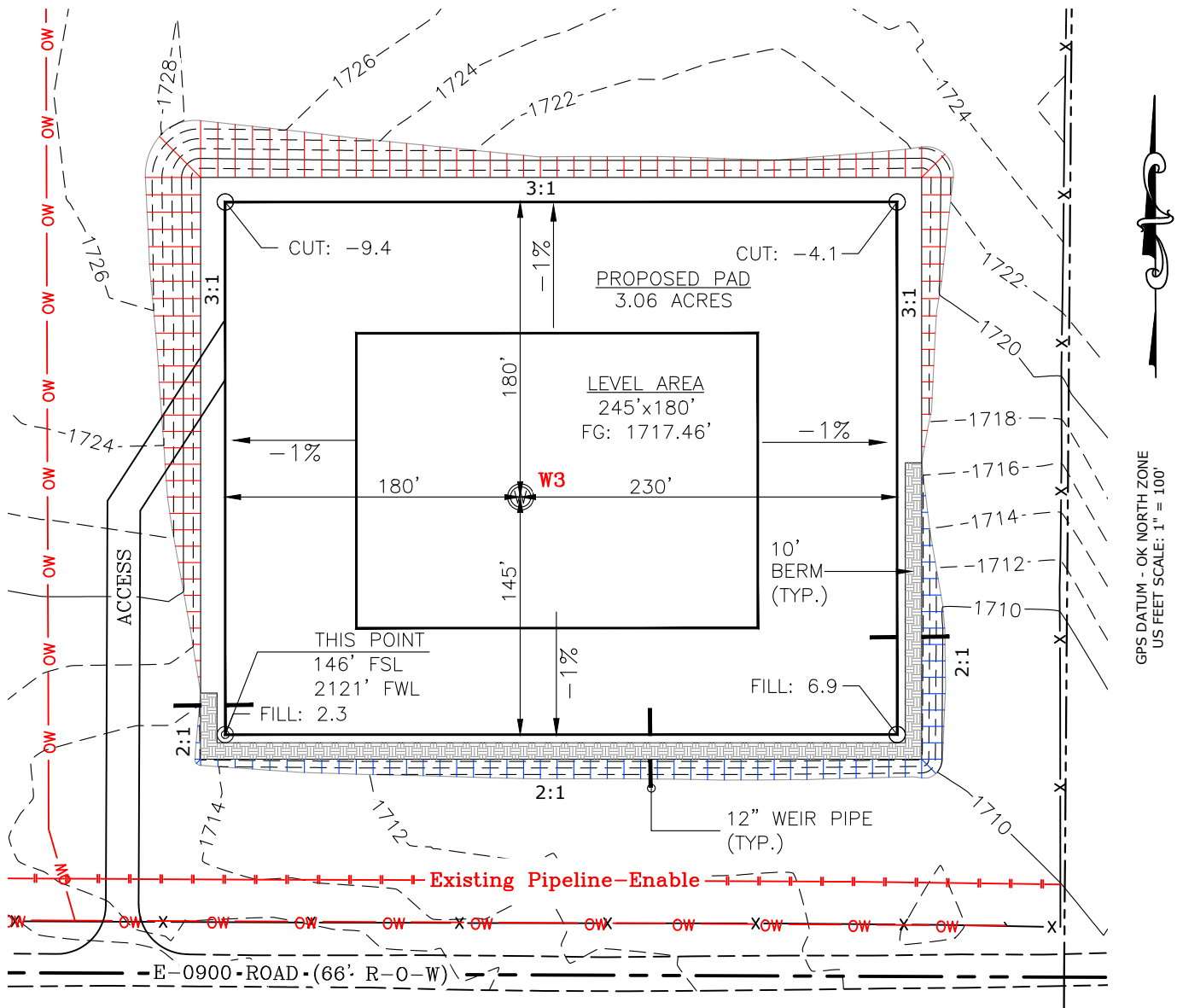
DRAWN BY:	TJW	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	09-04-18	SHEET:	3 OF 4

EXHIBIT: I
 SHEET: 8.5x11
 SHL: 3-14N-12W
 BHL-3: 15-14N-12W



WELL W3: BODEN 3-10-15XHM
 WELL W4: --
 GRAPHIC SCALE
 50' 0 25' 50' 100'
 (IN FEET)
 1 inch = 100 ft.

TOTAL PROPOSED DISTURBED AREA: 4.14 ACRES



CUT VOLUME 12968.22 CU. YD. | 6" OF STRIPPED TOP SOIL: 3338.31 CU. YD.
 FILL VOLUME 12971.20 CU. YD. | BERM LENGTH: 641' (429.47 CU. YD.)

(CUT/FILL VOLUMES INCLUDE 6" OF STRIPPED TOP SOIL)

CURRENT REV.: 0



Prepared By:
 Petro Land Services South
 10400 Vineyard Blvd.
 Suite C
 Oklahoma City, OK 73120

PROPOSED GRADING PLAN

DRAWN BY:	TJW	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	PRO-GR.
DATE ISSUED:	09-04-18	SHEET:	4 OF 4