

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

API NUMBER: 011 24043

Approval Date: 07/18/2018

Expiration Date: 01/18/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: BLAINE

SPOT LOCATION: ☐ SE ☐ NW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 754 369

Lease Name: BODEN

Well No: 2-10-15XHM

Well will be 369 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

HOOD FAMILY TRUST
PO BOX 64
GREENFIELD OK 73043

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

Name	Depth	Name	Depth
1 MISS'AN LM	12466	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 102663
107747

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803829
201803830
201803827
201803828

Special Orders:

Total Depth: 22377

Ground Elevation: 1725

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

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: 8000 Average: 5000

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: 18-34893

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: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 11170

Radius of Turn: 477

Direction: 181

Total Length: 10458

Measured Total Depth: 22377

True Vertical Depth: 12836

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

Notes:

Category

Description

DEEP SURFACE CASING

7/9/2018 - 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

7/9/2018 - 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

INTERMEDIATE CASING

7/9/2018 - 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

7/9/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

011 24043 BODEN 2-10-15XHM

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.

Category	Description
PENDING CD - 201803827	7/18/2018 - G58 - 10-14N-12W X107747 MPLM 3 WELLS NO OP. NAMED REC 6/19/2018 (M. NORRIS)
PENDING CD - 201803828	7/18/2018 - G58 - 15-14N-12W X107747 MPLM 3 WELLS NO OP. NAMED REC 6/19/2018 (M. NORRIS)
PENDING CD - 201803829	7/18/2018 - G58 - (E.O.) 10 & 15-14N-12W EST MULTIUNIT HORIZONTAL WELL X107747 MPLM 50% 10-14N-12W 50% 15-14N-12W NO OP. NAMED REC 6/19/2018 (M. NORRIS)
PENDING CD - 201803830	7/18/2018 - 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. (15-14N-12W) NCT 150 FSL, NCT 0 FNL, NCT 330 FWL COMPL. INT. (10-14N-12W) NCT 0 FSL, NCT 150 FNL, NCT 330 FWL NO OP. NAMED REC 6/19/2018 (M. NORRIS)

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.

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



011-24043

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 2-10-15XHM
County BLAINE State OK
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	BODEN 2-10-15XHM	259817	1828508	35° 42' 46.13" -98° 28' 17.60"	35.712815 -98.471556	754' FSL / 369' FWL (SW/4 SEC 3)	1725.04	1727.81
LP-2	LANDING POINT	259014	1828463	35° 42' 38.19" -98° 28' 18.10"	35.710607 -98.471694	50' FNL / 330' FWL (NW/4 SEC 10)	--	--
BHL-2	BOTTOM HOLE LOCATION	248556	1828455	35° 40' 54.76" -98° 28' 17.58"	35.681877 -98.471549	50' FSL / 330' 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:NNW4 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:NNW4SW4SE4SW4 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			
W2	BODEN 2-10-15XHM	259793	1860108	35° 42' 45.97" -98° 28' 16.34"	35.712768 -98.471206	754' FSL / 369' FWL (SW/4 SEC 3)	1725.04	1727.81
LP-2	LANDING POINT	258989	1860063	35° 42' 38.02" -98° 28' 16.84"	35.710560 -98.471345	50' FNL / 330' FWL (NW/4 SEC 10)	--	--
BHL-2	BOTTOM HOLE LOCATION	248531	1860055	35° 40' 54.59" -98° 28' 16.32"	35.681829 -98.471201	50' FSL / 330' 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:NNW4 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:NNW4SW4SE4SW4 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: 06-08-18
Date Drawn: 06-08-18

 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	06-08-18	MJL	ISSUED FOR APPROVAL	--

BHL-2 15-14N-12W

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

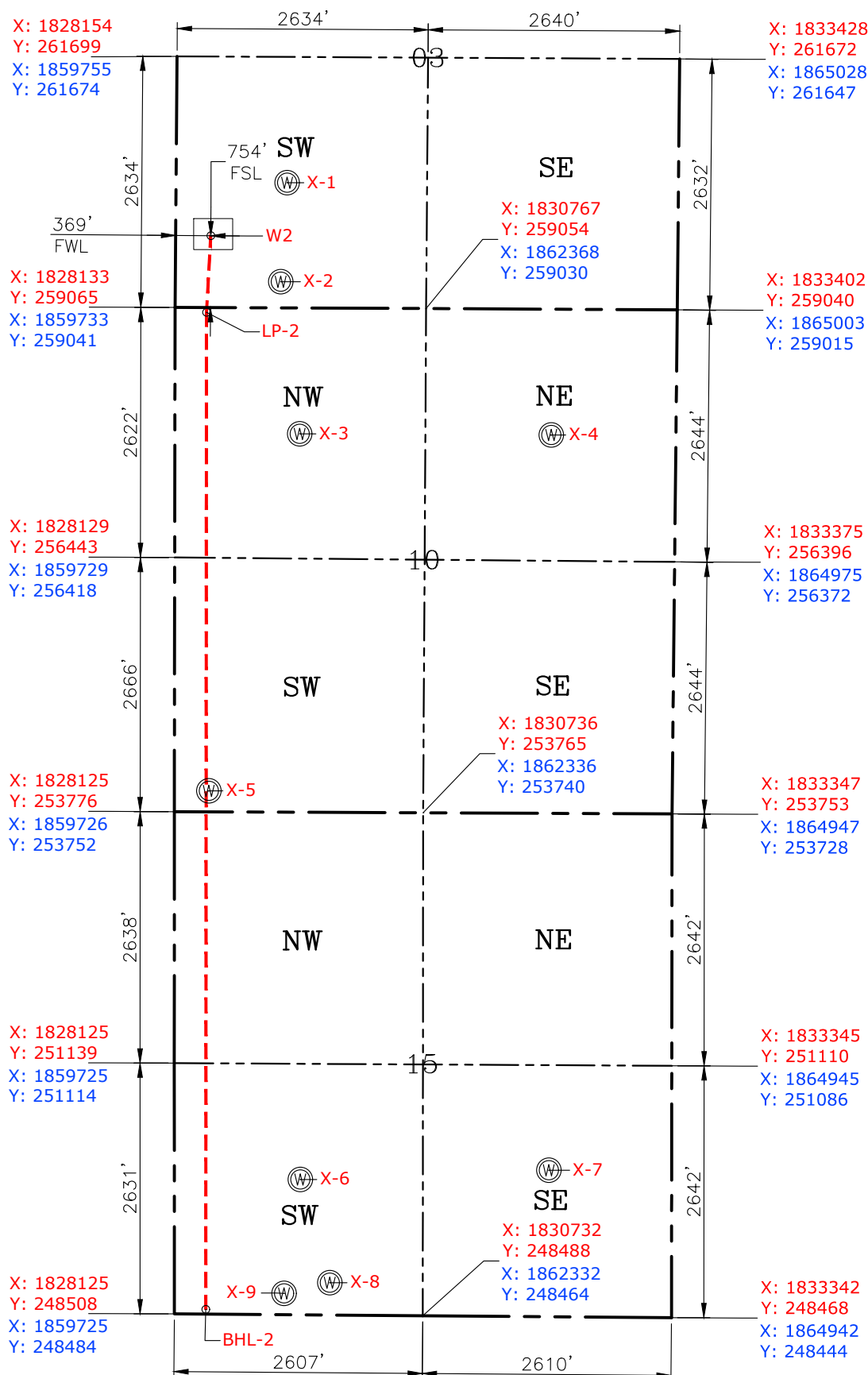


CONTINENTAL
RESOURCES, INC
(OPERATOR)

County Oklahoma

754' FSL-369' FWL Section 3 Township 14N Range 12W I.M.

WELL: BODEN 2-10-15XHM

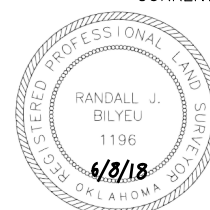


GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1600'

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: 06-08-18
Date Drawn: 06-08-18

CURRENT REV.: 0

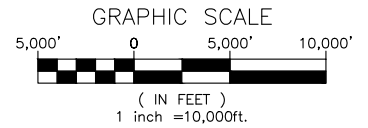


Randall F. Bilyeu

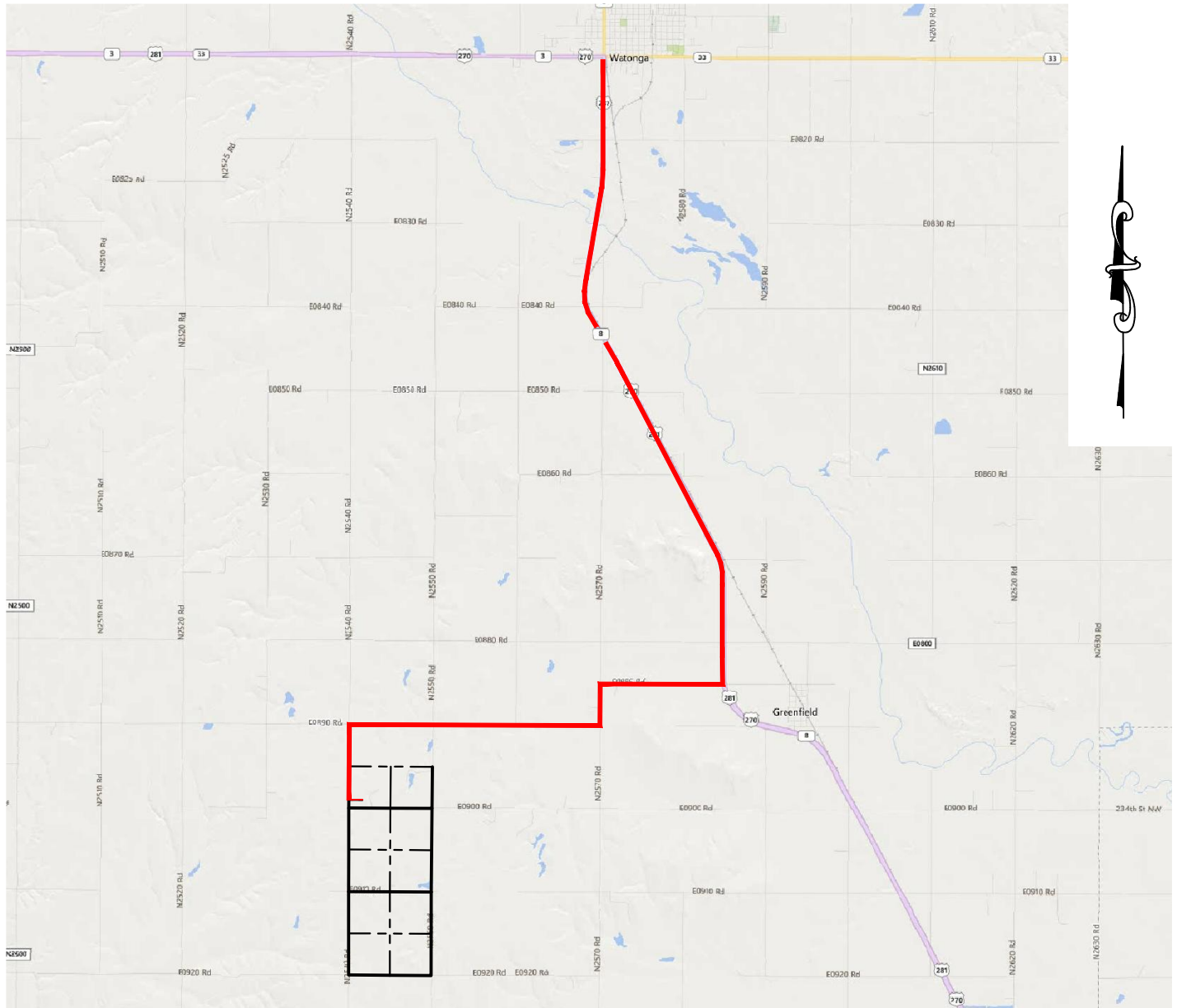
Oklahoma PLS No.1196 DATE

Certificate of Authorization No. 7318

EXHIBIT: C
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-2 15-14N-12W



VICINITY MAP



STARTING FROM WATONGA, HEAD SOUTH ON SH-8 FOR 7.92 MILES. TURN RIGHT ON TO E-0885 RD. & HEAD WEST FOR 1.48 MILES. TURN LEFT ONTO N-2570 RD. & HEAD SOUTH FOR 0.50 MILES & TURN RIGHT ONTO E-0890 RD. HEAD WEST FOR 3.0 MILES & TURN LEFT ONTO N-2540 & HEAD SOUTH FOR 0.84 MILES TO THE PROPOSED ACCESS ROAD ALONG THE EAST SIDE OF N-2540 RD.

CONTINENTAL RESOURCES, INC.

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

Certificate of Authorization No. 7318

Section 3 Township 14N Range 12W I.M. Well W2: BODEN 2-10-15XHM

Date Staked: 06-08-18

County BLAINE State OK



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

Operator CONTINENTAL RESOURCES, INC.

CURRENT REV.: 0

EXHIBIT: D
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-2 15-14N-12W



WELL W2: BODEN 2-10-15XHM
WELL W4: --

FACING NORTH



FACING SOUTH



CURRENT REV.: 0



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

TERRAIN

DRAWN BY:	HDG	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-1
DATE ISSUED:	06-08-18	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-2 15-14N-12W



WELL W2: BODEN 2-10-15XHM
WELL W4: --

FACING EAST



FACING WEST



CURRENT REV.: 0



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

TERRAIN

DRAWN BY:	HDG	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	06-08-18	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-2 15-14N-12W



WELL W2: BODEN 2-10-15XHM

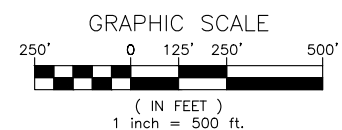
PROPOSED ACCESS ROAD = 188' |11.39 RODS (TOTAL)



Section 3 Township 14N Range 12W I.M.

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.



CURRENT REV.: 0

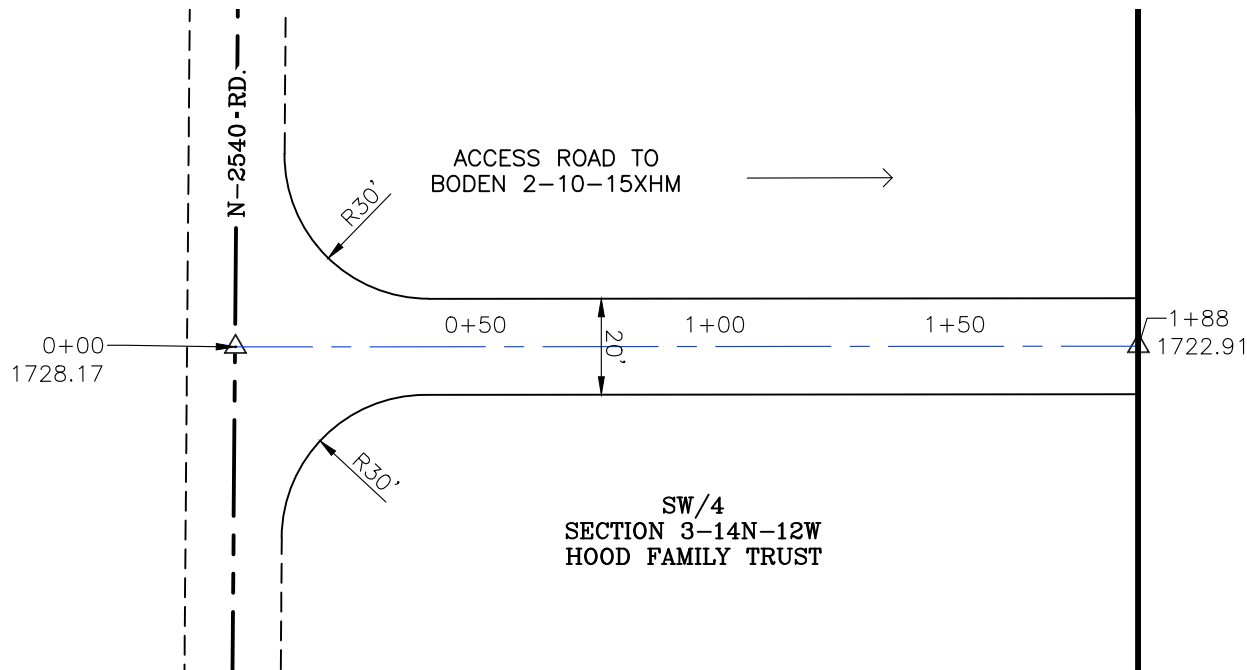


Prepared By:
Petro Land Services South
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Oklahoma City, OK 73120

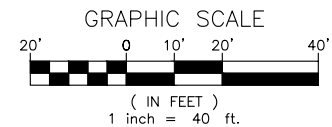
AERIAL PLAT

DRAWN BY:	HDG	SCALE:	1" = 500'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	06-08-18	SHEET:	1 OF 4

EXHIBIT: G
 SHEET: 8.5x11
 SHL: 3-14N-12W
 BHL-2 15-14N-12W



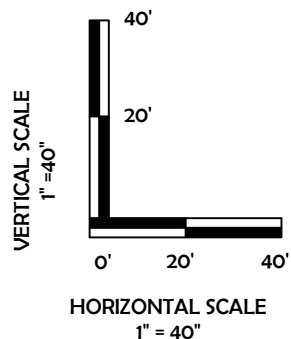
GPS DATUM - OK NORTH ZONE
 US FEET SCALE: 1" = 40'



- * 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 W2: BODEN 2-10-15XHM

PROPOSED ACCESS ROAD = 188' | 11.39 RODS (TOTAL)



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

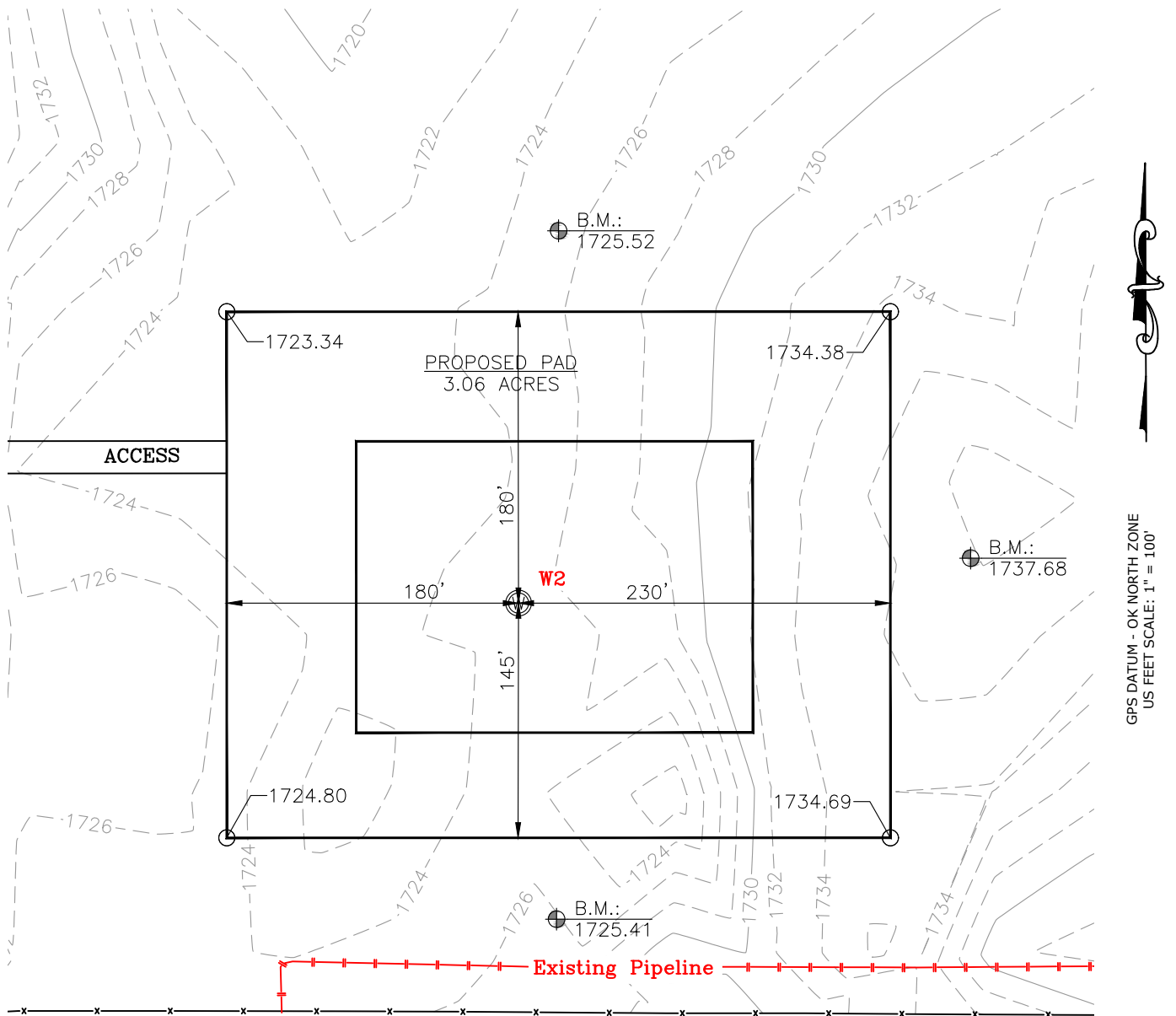
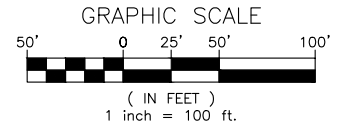
LEASE ROAD PLAN & PROFILE

DRAWN BY:	HDG	SCALE:	AS NOTED
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	06-08-18	SHEET:	2 OF 4

EXHIBIT: H
SHEET: 8.5x11
SHL: 3-14N-12W
BHL-2 15-14N-12W



WELL W2: BODEN 2-10-15XHM



GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 100'

CURRENT REV.: 0



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

EXISTING GRADING PLAN

DRAWN BY:	HDG	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	06-08-18	SHEET:	3 OF 4

DRAWN BY:	HDG	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	PRO-GR.
DATE ISSUED:	06-08-18	SHEET:	4 OF 4