API NUMBER: 011 23977

Horizontal Hole Oil & Gas

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

Approval Date: 03/29/2018
Expiration Date: 09/29/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 15N Rge: 11W County: BLAINE

SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **298** **651**

Lease Name: LOOKABAUGH **Well No: 2-25-24XHM** **Well will be 298 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

CLELLA L. LOOKABAUGH LIVING TRUST
RT.2, BOX 125
WATONGA OK 73772

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	11177	6		
2	WOODFORD	11877	7		
3			8		
4			9		
5			10		

Spacing Orders: 657035
648028
651181

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801496
201801497
201801490
201801489

Special Orders:

Total Depth: 21335 Ground Elevation: 1442 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

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 ALLUVIAL
Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34024
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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 24 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: S2 SW SE SW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 10851

Radius of Turn: 477

Direction: 5

Total Length: 9734

Measured Total Depth: 21335

True Vertical Depth: 11877

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

Notes:

Category	Description
DEEP SURFACE CASING	3/2/2018 - 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	3/2/2018 - 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	3/2/2018 - 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	3/2/2018 - 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.
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 - 201801497	3/29/2018 - G57 - (E.O.) 25 & 24-15N-11W X657035 MSSP 25-15N-11W X651181 WDFD 25-15N-11W X648028 MSSP, WDFD 24-15N-11W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' FROM ANOTHER WELLBORE COMPL. INT. (25-15N-11W) NCT 150' FSL, NCT 0' FNL, NCT 600' FWL COMPL. INT. (24-15N-11W) NCT 0' FSL, NCT 150' FNL, NCT 600' FWL NO OP. NAMED REC 3-27-2018 (MINMIER)
PENDING CD - 201801489	3/29/2018 - G57 - 24-15N-11W X648028 MSSP 1 WELL NO OP. NAMED REC 3-27-2018 (MINMIER)
PENDING CD - 201801490	3/29/2018 - G57 - 25-15N-11W X657035 MSSP 1 WELL NO OP. NAMED REC 3-27-2018 (MINMIER)
PENDING CD - 201801496	3/13/2018 - G57 - (E.O.) 25 & 24-15N-11W EST MULTIUNIT HORIZONTAL WELL X657035 MSSP 25-15N-11W X651181 WDFD 25-15N-11W X648028 MSSP, WDFD 24-15N-11W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 25-15N-11W 50% 24-15N-11W CONTINENTAL RESOURCES, INC. REC 3-27-2018 (MINMIER)
SPACING - 648028	3/13/2018 - G57 - (640) 24-15N-11W EXT 581931 WDFD EST MSSP
SPACING - 651181	3/13/2018 - G57 - (640)(HOR) 25-15N-11W EST MSSSD (VAC BY 657035), WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 657035	3/13/2018 - G57 - (640)(HOR) 25-15N-11W VAC 651181 MSSSD EST MSSP POE TO BHL NCT 660' FB

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 4)
SHEET: 8.5x11
SHL: 36–15N–11W
BHL: 24–15N–11W
BHL-2: 36–15N–11W

API: 011 23977

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 36 Township 15N Range 11W I.M. Well: LOOKABAUGH 2–25–24XHM

County BLAINE State OK Well: MOWERY 2–36HM

Operator CONTINENTAL RESOURCES, INC.

NAD–83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	LOOKABAUGH 2–25–24XHM	269085	1870930	35° 44' 19.52" –98° 19' 43.56"	35.738755 –98.328766	298' FNL / 651' FWL (NW/4 SEC 36)	1441.79	1442.86
LP–1	LANDING POINT	269434	1871930	35° 44' 23.01" –98° 19' 31.44"	35.739724 –98.325400	50' FSL / 1,650' FWL (SW/4 SEC 25)	--	--
BHL–1	BOTTOM HOLE LOCATION	279890	1871948	35° 46' 06.41" –98° 19' 31.65"	35.768448 –98.325458	50' FNL / 1,650' FWL (NW/4 SEC 24)	--	--
W2	MOWERY 2–36HM	269055	1870930	35° 44' 19.22" –98° 19' 43.56"	35.738672 –98.328765	328' FNL / 651' FWL (NW/4 SEC 36)	1441.67	1442.86
LP–2	LANDING POINT	268775	1870609	35° 44' 16.44" –98° 19' 47.44"	35.737899 –98.329846	608' FNL / 330' FWL (NW/4 SEC 36)	--	--
BHL–2	BOTTOM HOLE LOCATION	264169	1870585	35° 43' 30.89" –98° 19' 47.54"	35.725247 –98.329874	50' FSL / 330' FWL (SW/4 SEC 36)	--	--
X–1	KELLY UNIT C #1	277440	1871609	35° 45' 42.17" –98° 19' 35.67"	35.761714 –98.326575	24–15N–11W:S2 S2 NW4 | TD: 10,100' | 2500' FNL / 1,320' FWL	--	--
X–2	KELLY UNIT C #2	278622	1874097	35° 45' 53.94" –98° 19' 05.52"	35.764984 –98.318201	24–15N–11W:E2 W2 NW4 | TD: 10,100' | 1,320' FNL / 1,500' FEL	--	--
X–3	WALKER 1–24	275322	1870940	35° 45' 21.20" –98° 19' 43.69"	35.755888 –98.328804	24–15N–11W:C4 SW4 SW4 | TD: 10,075' | 660' FSL / 660' FWL	--	--
X–4	LYLE CARTER #1	270707	1874230	35° 44' 35.67" –98° 19' 03.60"	35.743241 –98.317666	25–15N–11W:C4 SE4 | TD: 10,170' | 1320' FSL / 1320' FEL	--	--
X–5	GIGER #1	270704	1871599	35° 44' 35.55" –98° 19' 35.50"	35.743209 –98.326529	25–15N–11W:C4 SW4 | TD: 10,180' | 1320' FSL / 1320' FWL	--	--
X–6	LAIRD 1–25	272679	1872423	35° 44' 55.11" –98° 19' 25.59"	35.748642 –98.323775	25–15N–11W:W2 E2 SE4 NW4 | TD: 10,100' | 1980' FNL / 2145' FWL	--	--
X–7	HELM TRUST 1–25	273160	1874902	35° 44' 59.95" –98° 18' 55.54"	35.749986 –98.315427	25–15N–11W:N2 N2 SE4 NE4 | TD: 10,100' | 1500' FNL / 660' FEL	--	--
X–8	H. F. LOOKABAUGH #1	265437	1871584	35° 43' 43.46" –98° 19' 35.48"	35.728740 –98.326521	36–15N–11W:C4 SW4 | TD: 10,300' | 1320' FSL / 1320' FWL	--	--
X–9	H. F. LOOKABAUGH #2	265435	1872904	35° 43' 43.48" –98° 19' 19.46"	35.728745 –98.322073	36–15N–11W:C S2 | TD: 10,250' | 1320' FSL / 2640' FWL	--	--
X–10	LEWIS #1	268067	1874220	35° 44' 09.56" –98° 19' 03.61"	35.735989 –98.317669	36–15N–11W:C NE4 SW4 | TD: 10,180' | 1320' FNL / 1320' FEL	--	--
X–11	LOOKABAUGH #2	268064	1871597	35° 44' 09.44" –98° 19' 35.43"	35.735956 –98.326508	36–15N–11W:C NW4 SW4 | TD: 10,250' | 1320' FNL / 1320' FWL	--	--
X–12	LOOKABAUGH 3–36	265437	1871554	35° 43' 43.46" –98° 19' 35.84"	35.728739 –98.326622	36–15N–11W:E2 W2 SW4 | TD: 10,400' | 1320' FSL / 1320' FWL	--	--
X–13	LEWIS 2–36	267078	1874878	35° 43' 59.80" –98° 18' 55.60"	35.733277 –98.315443	36–15N–11W:CS2 SE4 NE4 | TD: 10,130' | 2310' FNL / 660' FEL	--	--
X–14	MOWERY 1–36H	269134	1871355	35° 44' 20.01" –98° 19' 38.41"	35.738893 –98.327336	36–15N–11W:NE4 NE4 NW4 NW4| TD: 16,362' | 250' FNL / 1075' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 02–15–18
Date Drawn: 02–15–18

PLS

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	02–15–18	MJL	ISSUED FOR APPROVAL	--
01	02–15–18	MJL	WELL NAME & DRIVING DIR.	REVISED EXHIBIT "C"

EXHIBIT: A (2 of 4)
SHEET: 8.5x11
SHL: 36–15N–11W
BHL: 24–15N–11W
BHL-2: 36–15N–11W

Continental RESOURCES

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 36 Township 15N Range 11W I.M. Well: LOOKABAUGH 2–25–24XHM

County BLAINE State OK Well: MOWERY 2–36HM

Operator CONTINENTAL RESOURCES, INC.

NAD–27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	LOOKABAUGH 2–25–24XHM	269061	1902530	35° 44' 19.35" –98° 19' 42.32"	35.738709 –98.328422	298' FNL / 651' FWL (NW/4 SEC 36)	1441.79	1442.86
LP–1	LANDING POINT	269410	1903530	35° 44' 22.84" –98° 19' 30.20"	35.739679 –98.325056	50' FSL / 1,650' FWL (SW/4 SEC 25)	––	––
BHL–1	BOTTOM HOLE LOCATION	279866	1903548	35° 46' 06.25" –98° 19' 30.41"	35.768404 –98.325114	50' FNL / 1,650' FWL (NW/4 SEC 24)	––	––
W2	MOWERY 2–36HM	269031	1902530	35° 44' 19.06" –98° 19' 42.32"	35.738627 –98.328421	328' FNL / 651' FWL (NW/4 SEC 36)	1441.67	1442.86
LP–2	LANDING POINT	268751	1902208	35° 44' 16.27" –98° 19' 46.21"	35.737854 –98.329501	608' FNL / 330' FWL (NW/4 SEC 36)	––	––
BHL–2	BOTTOM HOLE LOCATION	264145	1902184	35° 43' 30.72" –98° 19' 46.31"	35.725201 –98.329530	50' FSL / 330' FWL (SW/4 SEC 36)	––	––
X–1	KELLY UNIT C #1	277416	1903208	35° 45' 42.01" –98° 19' 34.43"	35.761669 –98.326230	24–15N–11W:S2 S2 NW4 | TD: 10,100' | 2500' FNL / 1,320' FWL	––	––
X–2	KELLY UNIT C #2	278598	1905697	35° 45' 53.78" –98° 19' 04.28"	35.764939 –98.317856	24–15N–11W:E2 W2 NW4 | TD: 10,100' | 1,320' FNL / 1,500' FEL	––	––
X–3	WALKER 1–24	275298	1902540	35° 45' 21.04" –98° 19' 42.45"	35.755843 –98.328459	24–15N–11W:C4 SW4 SW4 | TD: 10,075' | 660' FSL / 660' FWL	––	––
X–4	LYLE CARTER #1	270683	1905829	35° 44' 35.51" –98° 19' 02.36"	35.743196 –98.317322	25–15N–11W:C4 SE4 | TD: 10,170' | 1320' FSL / 1320' FEL	––	––
X–5	GIGER #1	270680	1903199	35° 44' 35.39" –98° 19' 34.27"	35.743163 –98.326185	25–15N–11W:C4 SW4 | TD: 10,180' | 1320' FSL / 1320' FWL	––	––
X–6	LAIRD 1–25	272655	1904023	35° 44' 54.95" –98° 19' 24.35"	35.748597 –98.323430	25–15N–11W:W2 E2 SE4 NW4 | TD: 10,100' | 1980' FNL / 2145' FWL	––	––
X–7	HELM TRUST 1–25	273136	1906502	35° 44' 59.79" –98° 18' 54.30"	35.749941 –98.315083	25–15N–11W:N2 N2 SE4 NE4 | TD: 10,100' | 1500' FNL / 660' FEL	––	––
X–8	H. F. LOOKABAUGH #1	265413	1903184	35° 43' 43.30" –98° 19' 34.24"	35.728694 –98.326177	36–15N–11W:C4 SW4 | TD: 10,300' | 1320' FSL / 1320' FWL	––	––
X–9	H. F. LOOKABAUGH #2	265411	1904504	35° 43' 43.32" –98° 19' 18.23"	35.728700 –98.321729	36–15N–11W:C S2 | TD: 10,250' | 1320' FSL / 2640' FWL	––	––
X–10	LEWIS #1	268043	1905820	35° 44' 09.40" –98° 19' 02.37"	35.735943 –98.317326	36–15N–11W:C NE4 SW4 | TD: 10,180' | 1320' FNL / 1320' FEL	––	––
X–11	LOOKABAUGH #2	268040	1903197	35° 44' 09.28" –98° 19' 34.19"	35.735911 –98.326164	36–15N–11W:C NW4 SW4 | TD: 10,250' | 1320' FNL / 1320' FWL	––	––
X–12	LOOKABAUGH 3–36	265413	1903154	35° 43' 43.30" –98° 19' 34.60"	35.728694 –98.326278	36–15N–11W:E2 W2 SW4 | TD: 10,400' | 1320' FSL / 1320' FWL	––	––
X–13	LEWIS 2–36	267054	1906477	35° 43' 59.63" –98° 18' 54.36"	35.733232 –98.315100	36–15N–11W:CS2 SE4 NE4 | TD: 10,130' | 2310' FNL / 660' FEL	––	––
X–14	MOWERY 1–36H	269110	1902954	35° 44' 19.85" –98° 19' 37.17"	35.738847 –98.326992	36–15N–11W:NE4 NE4 NW4 NW4| TD: 16,362' | 250' FNL / 1075' FWL	––	––

Certificate of Authorization No. 7318

Date Staked: 02–15–18
Date Drawn: 02–15–18

PLS

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	02–15–18	MJL	ISSUED FOR APPROVAL	––
01	02–15–18	MJL	WELL NAME & DRIVING DIR.	REVISED EXHIBIT "C"

PETRO LAND SERVICES SOUTH, LLC

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

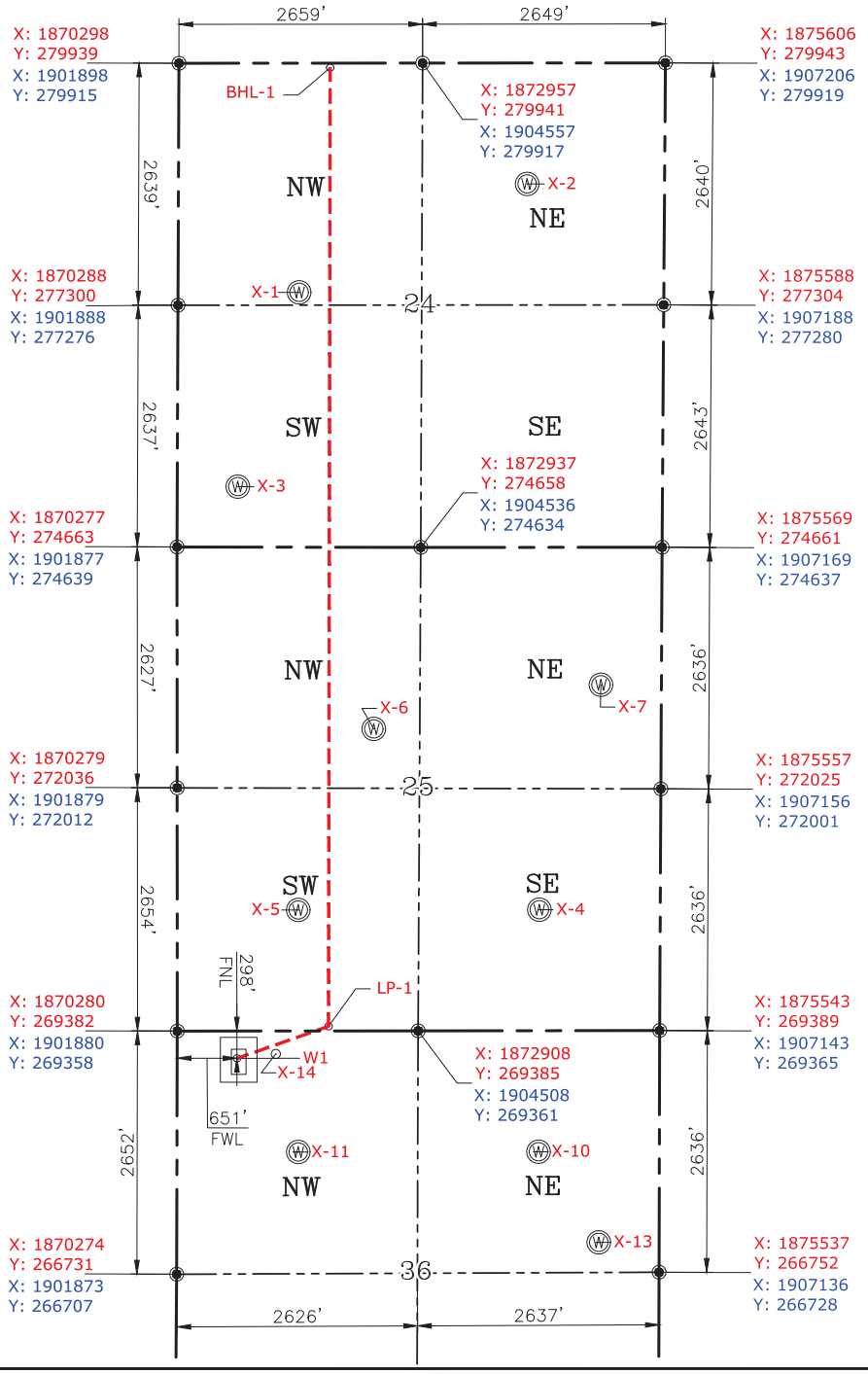
EXHIBIT: A (3 of 4)
SHEET: 8.5x14
SHL: 36–15N–11W
BHL-1: 24–15N–11W

BLAINE County Oklahoma
298' FNL–651' FWL Section 36 Township 15N Range 11W I.M.

Continental RESOURCES

CONTINENTAL RESOURCES,INC (OPERATOR)

WELL: LOOKABAUGH 2–25–24XHM



GRAPHIC SCALE
(IN FEET)
1 inch = 1,600 ft.
800' 0 400' 800' 1,600'

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

Date Staked: 02–15–18
Date Drawn: 02–15–18

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey.

CERTIFICATE:

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
RANDALL J. BILYEU
1196
OKLAHOMA

2/16/18

Randall J. Bilyeu

Oklahoma PLS No.1196 DATE