API NUMBER: 051 24635

Horizontal Hole
Multi Unit

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: 05/15/2019
Expiration Date: 11/15/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 6N Rge: 5W County: GRADY

SPOT LOCATION: SW NE NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **365** **425**

Lease Name: EARLY **Well No: 7-29-32XHW** **Well will be 365 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

VIVIAN I. STROUD
1593 COUNTY ROAD 1630
ROFF OK 74865

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

	Name	Depth		Name	Depth
1	WOODFORD	12826	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 629390
416838

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902210
201902212
201902208
201902209

Special Orders:

Total Depth: 21216 Ground Elevation: 1157 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 400

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

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 BED AQUIFER
Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36571
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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 32 Twp 6N Rge 5W County GRADY

Spot Location of End Point: N2 N2 SE NE

Feet From: NORTH 1/4 Section Line: 1600

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 12333

Radius of Turn: 477

Direction: 182

Total Length: 8134

Measured Total Depth: 21216

True Vertical Depth: 13110

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category	Description
DEEP SURFACE CASING	5/1/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	5/1/2019 - 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
MEMO	5/1/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201902208	5/3/2019 - G75 - (I.O.) 29 & 32-6N-5W EST MULTIUNIT HORIZONTAL WELL X629390 WDFD 29-6N-5W X416838 WDFD 32-6N-5W 85% 29-6N-5W 15% 32-6N-5W CONTINENTAL RESOURCES, INC. REC 5-14-2019 (MINMIER)

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 CD - 201902209	5/3/2019 - G75 - (I.O.) 29 & 32-6N-5W X629390 WDFD 29-6N-5W X416838 WDFD 32-6N-5W COMPL. INT. (29-6N-5W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (32-6N-5W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 5-14-2019 (MINMIER)
PENDING CD - 201902210	5/3/2019 - G75 - 29-6N-5W X629390 WDFD 4 WELLS NO OP. NAMED REC 5-14-2019 (MINMIER)
PENDING CD - 201902212	5/3/2019 - G75 - 32-6N-5W X416838 WDFD 4 WELLS NO OP. NAMED REC 5-14-2019 (MINMIER)
SPACING - 416838	5/3/2019 - G75 - (640) 32-6N-5W VAC OTHER EST OTHER EXT OTHERS EXT 415357 WDFD, OTHERS
SPACING - 629390	5/3/2019 - G75 - (640) 29-6N-5W EXT OTHERS EXT 610650 WDFD, OTHERS

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 3)
SHEET: 8.5x11
SHL: 29–6N–5W
BHL-7 32–6N–5W
BHL-8 20–6N–5W

Continental RESOURCES

API 051-24635

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 29 Township 6N Range 5W I.M. Well: EARLY 7–29–32XHW

County GRADY State OK Well: RK MORRIS 8–20HW

Operator CONTINENTAL RESOURCES, INC.

NAD–83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W7	EARLY 7–29–32XHW	595885	2045592	34° 58' 13.59" –97° 44' 33.65"	34.970443 –97.742680	365' FNL / 425' FEL (NE/4 SEC 29)	1156.82'	1157.05'
LP–7	LANDING POINT	595884	2045357	34° 58' 13.58" –97° 44' 36.47"	34.970440 –97.743464	365' FNL / 660' FEL (NE/4 SEC 29)	--	--
BHL–7	BOTTOM HOLE LOCATION	589357	2045386	34° 57' 09.03" –97° 44' 36.32"	34.952508 –97.743423	1600' FNL / 660' FEL (NE/4 SEC 32)	--	--
W8	RK MORRIS 8–20HW	595915	2045592	34° 58' 13.89" –97° 44' 33.65"	34.970525 –97.742681	335' FNL / 425' FEL (NE/4 SEC 29)	1156.46'	1157.05'
LP–8	LANDING POINT	596300	2045685	34° 58' 17.70" –97° 44' 32.51"	34.971583 –97.742365	50' FSL / 330' FEL (SE/4 SEC 20)	--	--
BHL–8	BOTTOM HOLE LOCATION	601503	2045687	34° 59' 09.16" –97° 44' 32.33"	34.985877 –97.742315	50' FNL / 330' FEL (NE/4 SEC 20)	--	--
X–1	R. K. MORRIS #1–29–14XH	594643	2040999	34° 58' 01.42" –97° 45' 28.88"	34.967062 –97.758022	29–6N–5W: | TD: 25,270' | 1,582' FNL / 260' FWL	--	--
X–2	MOWDY #"A–1"	586314	2041932	34° 56' 39.01" –97° 45' 17.91"	34.944169 –97.754975	32–6N–5W: | TD: 15,025' | 660' FSL / 1,150' FWL	--	--
X–3	EARLY #1–32–29XH	588106	2043024	34° 56' 56.71" –97° 45' 04.73"	34.949086 –97.751315	32–6N–5W: | TD: 21,435' | 2,450' FSL / 2,250' FWL	--	--

NAD–27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W7	EARLY 7–29–32XHW	595843	2077189	34° 58' 13.35" –97° 44' 32.51"	34.970374 –97.742364	365' FNL / 425' FEL (NE/4 SEC 29)	1156.82'	1157.05'
LP–7	LANDING POINT	595842	2076954	34° 58' 13.34" –97° 44' 35.33"	34.970371 –97.743148	365' FNL / 660' FEL (NE/4 SEC 29)	--	--
BHL–7	BOTTOM HOLE LOCATION	589315	2076983	34° 57' 08.78" –97° 44' 35.18"	34.952439 –97.743107	1600' FNL / 660' FEL (NE/4 SEC 32)	--	--
W8	RK MORRIS 8–20HW	595873	2077188	34° 58' 13.64" –97° 44' 32.51"	34.970456 –97.742364	335' FNL / 425' FEL (NE/4 SEC 29)	1156.46'	1157.05'
LP–8	LANDING POINT	596259	2077282	34° 58' 17.45" –97° 44' 31.37"	34.971514 –97.742049	50' FSL / 330' FEL (SE/4 SEC 20)	--	--
BHL–8	BOTTOM HOLE LOCATION	601461	2077284	34° 59' 08.91" –97° 44' 31.19"	34.985808 –97.741998	50' FNL / 330' FEL (NE/4 SEC 20)	--	--
X–1	R. K. MORRIS #1–29–14XH	594602	2072595	34° 58' 01.18" –97° 45' 27.74"	34.966993 –97.757705	29–6N–5W: | TD: 25,270' | 1,582' FNL / 260' FWL	--	--
X–2	MOWDY #"A–1"	586272	2073528	34° 56' 38.76" –97° 45' 16.77"	34.944100 –97.754659	32–6N–5W: | TD: 15,025' | 660' FSL / 1,150' FWL	--	--
X–3	EARLY #1–32–29XH	588064	2074621	34° 56' 56.46" –97° 45' 03.59"	34.949017 –97.750998	32–6N–5W: | TD: 21,435' | 2,450' FSL / 2,250' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 4–3–19
Date Drawn: 3–7–19

PLS

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	3–7–19	HDG	ISSUED FOR APPROVAL	--
01	4–22–19	HDG	ADDED RK MORRIS 8	REV'D ALL SHEETS

EXHIBIT: A (2 of 3)
SHEET: 8.5x14
SHL: 29-6N-5W
BHL-7 32-6N-5W

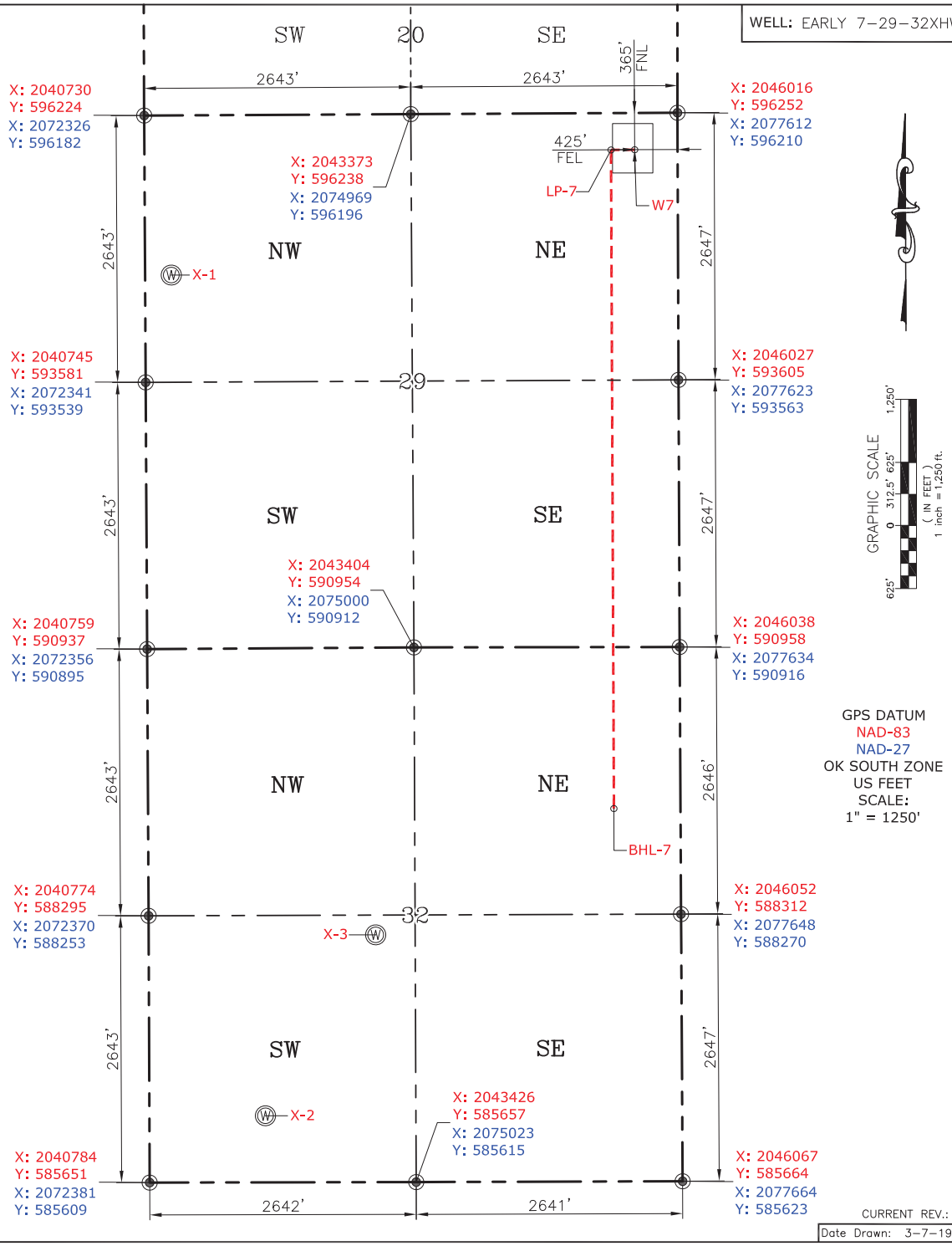
PETRO LAND SERVICES SOUTH, LLC

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

GRADY County Oklahoma
365' FNL-425' FEL Section 29 Township 6N Range 5W I.M.

CONTINENTAL RESOURCES,INC (OPERATOR)

WELL: EARLY 7-29-32XHW



CURRENT REV.: 1
Date Drawn: 3-7-19

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
RANDALL J. BILYEU
1196
4/23/19
OKLAHOMA

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.

Randall J. Bilyeu

Oklahoma PLS No.1196 DATE