

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

APPROVAL NUMBER: 049 25322

Approval Date: 11/26/2019

Expiration Date: 05/26/2021

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 1N Rge: 1W

County: GARVIN

SPOT LOCATION: SE NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 390 2475

Lease Name: BLAKE

Well No: 1-34-33XHW

Well will be 390 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

CLIFFORD L. DRENNAN FAMILY TRUST
1010 W. 2ND STREET
SULPHUR OK 73086-

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

	Name	Depth	Name	Depth
1	SYCAMORE	12574	6	
2	WOODFORD	12820	7	
3	HUNTON	12984	8	
4			9	
5				

Spacing Orders: 161935
494612

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905160
201905161
201905159

Special Orders:

Total Depth: 19736 Ground Elevation: 919

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

Deep surface casing has been approved

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 Shallow Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: OSCAR

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-37015

H. See Memo

Cancel per operator request

SSM
4/29/2020

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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: OSCAR

HORIZONTAL HOLE 1

Sec 33 Twp 1N Rge 1W County GARVIN

Spot Location of End Point: NW NW NW NW

Feet From: NORTH 1/4 Section Line: 300

Feet From: WEST 1/4 Section Line: 30

Depth of Deviation: 12456

Radius of Turn: 372

Direction: 185

Total Length: 6695

Measured Total Depth: 19736

True Vertical Depth: 13793

End Point Location from Lease,
Unit, or Property Line: 30

Notes:

Category

Description

DEEP SURFACE CASING

10/21/2019 - GC2 - 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

10/21/2019 - GC2 - 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

10/21/2019 - GC2 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WILDHORSE LAKE), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201905159

11/25/2019 - GC2 - 34-1N-1W
X494612 WDFD
1 WELL
NO OP. NAMED
REC. 11-4-2019 (MILLER)

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

The duration of this permit is 18 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.

049 25322 BLAKE 1-34-33XHW

PENDING CD - 201905160	11/25/2019 - GC2 - (I.O.) 34 & 33-1N-1W EST MULTIUNIT HORIZONTAL WELL X494612 SCMR, WDFD, HNTN X161935 SCMR, WDFD, HNTN (SCMR, HNTN ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 33% 34-1N-1W 67% 33-1N-1W CONTINENTAL RESOURCES, INC REC. 11-25-2019 (MILLER)
PENDING CD - 201905161	11/25/2019 - GC2 - (I.O.) 34 & 33-1N-1W X494612 SCMR, WDFD, HNTN X161935 SCMR, WDFD, HNTN X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO ALLSUP 1-34 COMPL. INT. (34-1N-1W) NCT 1,320' FEL, NCT 0' FWL, NCT 330' FNL COMPL. INT. (33-1N-1W) NCT 0' FEL, 150' FWL, NCT 330' FNL CONTINENTAL RESOURCES, INC. REC. 11-4-2019 (MILLER)
SPACING - 161935	11/25/2019 - GC2 - (640) 33-1N-1W EST SMCR, WDFD, HNTN, OTHERS
SPACING - 494612	11/25/2019 - GC2 - (640) 34-1N-1W EXT 297874 SCMR, WDFD, HNTN, OTHERS
WATERSHED STRUCTURE	10/21/2019 - GC2 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-6767 EXT. 3 PRIOR TO DRILLING

EXHIBIT: A (1 of 2)
 SHEET: 8.5x11
 SHL: 34-1N-1W
 BHL-1 33-1N-1W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 34 Township 1N Range 1W I.M. Well: BLAKE 1-34-33XHW
 County GARVIN State OK Well: ---
 Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	BLAKE 1-34-33XHW	432699	2181861	34° 31' 12.97" -97° 17' 30.02"	34.520270 -97.291871	390' FNL / 2475' FWL (NW/4 SEC 34)	917.47'	918.53'
LP-1	LANDING POINT	432789	2181860	34° 31' 13.87" -97° 17' 30.02"	34.520518 -97.291871	300' FNL / 2475' FWL (NW/4 SEC 34)	---	---
BHL-1	BOTTOM HOLE LOCATION	432742	2174123	34° 31' 13.92" -97° 19' 02.49"	34.520534 -97.317358	300' FNL / 30' FWL (NW/4 SEC 33)	---	---
X-1	ALLSUP #1	432419	2180048	34° 31' 10.32" -97° 17' 51.71"	34.519535 -97.297696	34-1N-1W: TD: 13,794' 661' FNL / 660' FWL	---	---
X-2	BOX #1	432124	2184176	34° 31' 07.12" -97° 17' 02.40"	34.518843 -97.284000	34-1N-1W: TD: UNKNOWN' 990' FNL / 495' FEL	---	---

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	BLAKE 1-34-33XHW	432656	2213456	34° 31' 12.66" -97° 17' 28.94"	34.520185 -97.291371	390' FNL / 2475' FWL (NW/4 SEC 34)	917.47'	918.53'
LP-1	LANDING POINT	432747	2213455	34° 31' 13.56" -97° 17' 28.94"	34.520433 -97.291372	300' FNL / 2475' FWL (NW/4 SEC 34)	---	---
BHL-1	BOTTOM HOLE LOCATION	432699	2205718	34° 31' 13.62" -97° 19' 01.41"	34.520449 -97.317058	300' FNL / 30' FWL (NW/4 SEC 33)	---	---
X-1	ALLSUP #1	432376	2211643	34° 31' 10.02" -97° 17' 50.63"	34.519450 -97.297396	34-1N-1W: TD: 13,794' 661' FNL / 660' FWL	---	---
X-2	BOX #1	432081	2215771	34° 31' 08.81" -97° 17' 01.32"	34.518558 -97.283700	34-1N-1W: TD: UNKNOWN' 990' FNL / 495' FEL	---	---

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	09-23-19	**--**--19	TJW	ISSUED FOR APPROVAL	---

Certificate of Authorization No. 7318



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

EXHIBIT: A (2 of 2)

SHEET: 8.5x14

SHL: 34-1N-1W

BHL-1 33-1N-1W

PETRO LAND SERVICES SOUTH, LLC

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

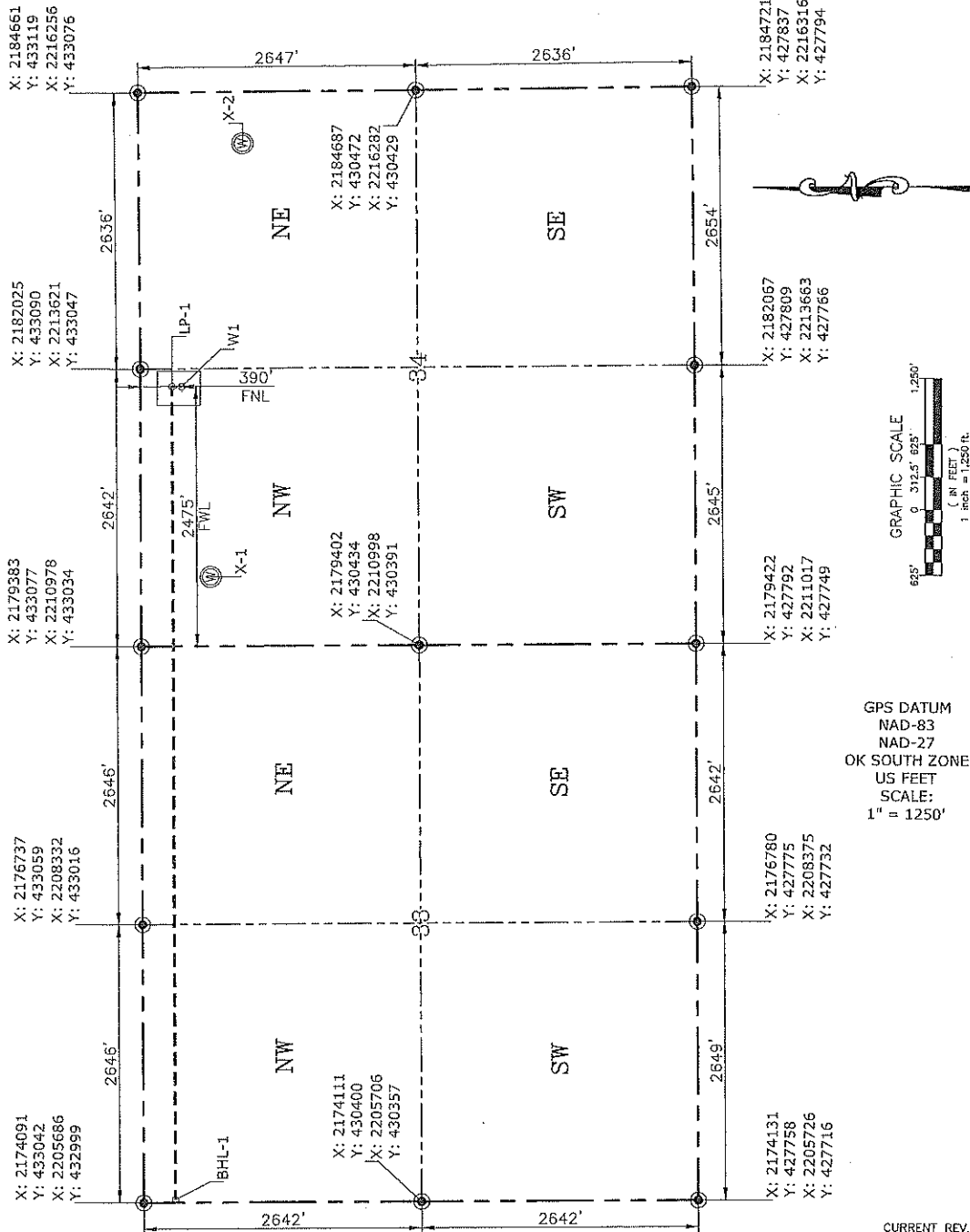
GARVIN

County Oklahoma

390' FNL-2475' FWL Section 34 Township 1N Range 1W I.M.

CONTINENTAL
RESOURCES, INC
(OPERATOR)

WELL: BLAKE 1-34-33XHW



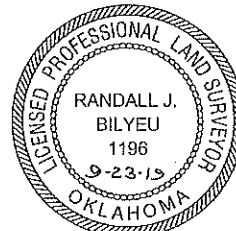
CURRENT REV.: 0

Date Drawn: 09-23-19

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.

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.



Oklahoma PLS No.1196 DATE