

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

API NUMBER: 015 23303

Approval Date: 09/24/2018

Expiration Date: 03/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 12N Rge: 13W

County: CADD0

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 276 277

Lease Name: VINES

Well No: 1-14HM

Well will be 276 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

RODNEY & MARTI BROOKS  
5138 CR 1040  
HYDRO OK 73102

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	15603	6	
2	WOODFORD	16303	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805420  
201805421

Special Orders:

Total Depth: 20389

Ground Elevation: 1593

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 330

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35345  
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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 14 Twp 12N Rge 13W County CADDO

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 15163

Radius of Turn: 477

Direction: 358

Total Length: 4477

Measured Total Depth: 20389

True Vertical Depth: 16303

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

Notes:

Category

Description

DEEP SURFACE CASING

9/7/2018 - 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

9/7/2018 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

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

PENDING CD - 201805420

9/24/2018 - G75 - (640) 14-12N-13W  
VAC 139351 CSTR  
EXT 588369 MSSP, WDFD, OTHER  
REC 9-18-2018 (MILLER)

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.

015 23303 VINES 1-14HM

Category

PENDING CD - 201805421

Description

9/24/2018 - G75 - (I.O.) 14-12N-13W  
X201805420 MSSP, WDFD  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL  
NO OP. NAMED  
REC 9-18-2018 (MILLER)

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: 8.5x11  
SHL: 14-12N-13W  
BHL-1 14-12N-13W



API 015-23303

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 14 Township 12N Range 13W I.M.

Well: VINES 1-14HM

County CADDO State OK

Well: --

Operator CONTINENTAL RESOURCES, INC.

#### NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	VINES 1-14HM	792089	1808813	35° 30' 30.88" -98° 32' 11.34"	35.508577 -98.536483	276' FSL / 277' FEL (SE/4 SEC 14)	1593.49'	1593.39'
LP-1	LANDING POINT	792089	1808760	35° 30' 30.87" -98° 32' 11.98"	35.508576 -98.536662	276' FSL / 330' FEL (SE/4 SEC 14)	--	--
BHL-1	BOTTOM HOLE LOCATION	797023	1808783	35° 31' 19.67" -98° 32' 12.03"	35.522130 -98.536674	50' FNL / 330' FEL (NE/4 SEC 14)	--	--
X-1	JOE LUBINUS #1-14	793143	1807775	35° 30' 41.25" -98° 32' 23.97"	35.511457 -98.539991	14-12N-13W:SE4   TD: 11,755'   1,320' FSL / 1,320' FWL	--	--
X-2	VOLA MAE #1-14	792503	1805825	35° 30' 34.81" -98° 32' 47.51"	35.509670 -98.546530	14-12N-13W:SE4SW4   TD: 13,900'   660' FSL / 1,980' FWL	--	--
X-3	WHEELER #1-14	795120	1807145	35° 31' 00.77" -98° 32' 31.71"	35.516880 -98.542143	14-12N-13W:SW4NE4   TD: 13,900'   660' FSL / 660' FWL	--	--
X-4	JOE FRED #1-14	793143	1807775	35° 30' 41.25" -98° 32' 23.97"	35.511457 -98.539991	14-12N-13W:SE4   TD: 13,900'   1,320' FSL / 1,320' FWL	--	--

#### NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	VINES 1-14HM	792047	1840412	35° 30' 30.69" -98° 32' 10.10"	35.508525 -98.536138	276' FSL / 277' FEL (SE/4 SEC 14)	1593.49'	1593.39'
LP-1	LANDING POINT	792047	1840359	35° 30' 30.69" -98° 32' 10.74"	35.508524 -98.536316	276' FSL / 330' FEL (SE/4 SEC 14)	--	--
BHL-1	BOTTOM HOLE LOCATION	796981	1840382	35° 31' 19.48" -98° 32' 10.78"	35.522078 -98.536329	50' FNL / 330' FEL (NE/4 SEC 14)	--	--
X-1	JOE LUBINUS #1-14	793101	1839374	35° 30' 41.06" -98° 32' 22.72"	35.511405 -98.539645	14-12N-13W:SE4   TD: 11,755'   1,320' FSL / 1,320' FWL	--	--
X-2	VOLA MAE #1-14	792461	1837424	35° 30' 34.62" -98° 32' 46.26"	35.509618 -98.546184	14-12N-13W:SE4SW4   TD: 13,900'   660' FSL / 1,980' FWL	--	--
X-3	WHEELER #1-14	795078	1838744	35° 31' 00.58" -98° 32' 30.47"	35.516828 -98.541797	14-12N-13W:SW4NE4   TD: 13,900'   660' FSL / 660' FWL	--	--
X-4	JOE FRED #1-14	793101	1839374	35° 30' 41.06" -98° 32' 22.72"	35.511405 -98.539645	14-12N-13W:SE4   TD: 13,900'   1,320' FSL / 1,320' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--18  
Date Drawn: 08-14-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-14-18	TJW	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)  
SHEET: 8.5x14  
SHL: 14-12N-13W  
BHL-1 14-12N-13W

**PETRO LAND SERVICES SOUTH, LLC**

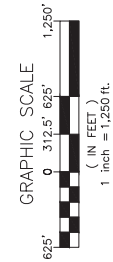
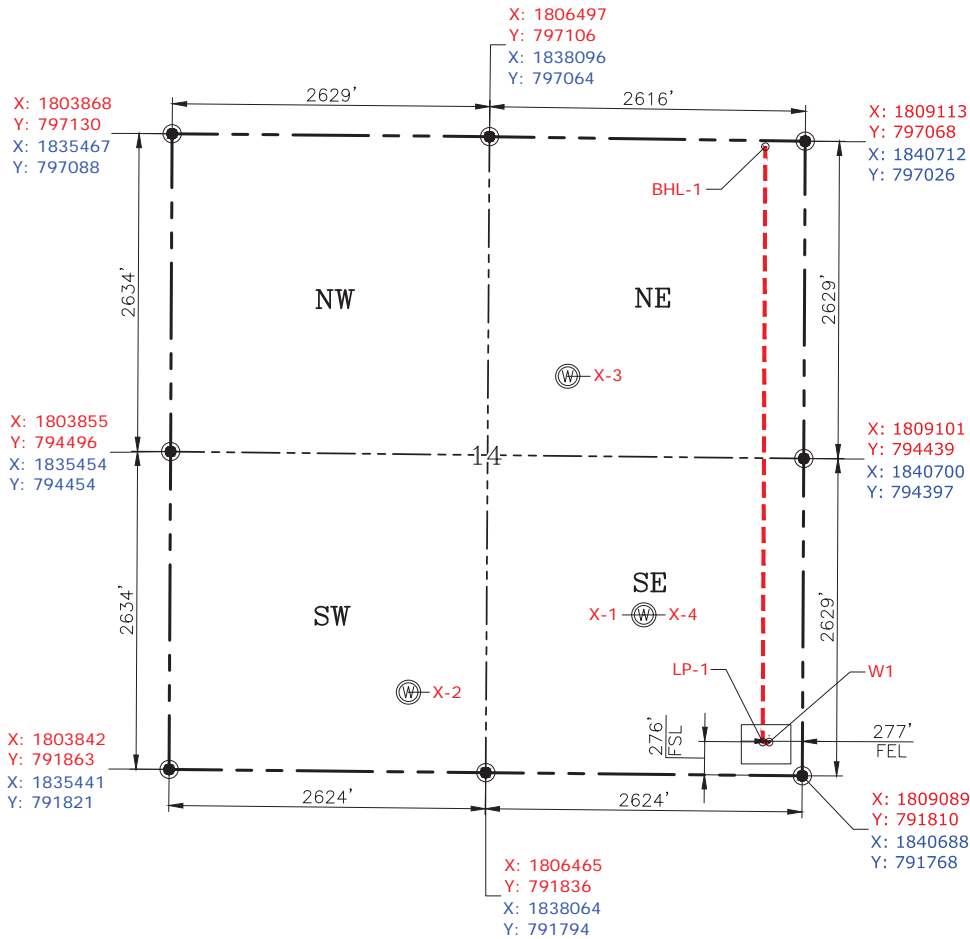
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318



CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

CADD O \_\_\_\_\_ County Oklahoma  
276' FSL-277' FEL Section 14 Township 12N Range 13W I.M.

WELL: VINES 1-14HM



GPS DATUM  
NAD-83  
NAD-27  
OK SOUTH ZONE  
US FEET  
SCALE:  
1" = 1250'

CURRENT REV.: 0

Date Staked: \*\*--\*\*--18  
Date Drawn: 08-14-18

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.



*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE