

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

API NUMBER: 039 22581

Approval Date: 08/13/2019

Expiration Date: 02/13/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 15N Rge: 15W County: CUSTER

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 270 1870

Lease Name: MOSES TRUST

Well No: 3-13-24XHM

Well will be 270 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC
Name:

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

LOVE FAMILY TRUST
416 CEDARBURG CT
YUKON OK 73099

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	13634	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 641551
667885

Location Exception Orders: 699512

Increased Density Orders: 699332
699333

Pending CD Numbers: 201805835

Special Orders:

Total Depth: 23669

Ground Elevation: 1709

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 350

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: 19-36880

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 24 Twp 15N Rge 15W County CUSTER

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1870

Depth of Deviation: 13104

Radius of Turn: 477

Direction: 180

Total Length: 9816

Measured Total Depth: 23669

True Vertical Depth: 13634

End Point Location from Lease,
Unit, or Property Line: 0

Notes:

Category

Description

DEEP SURFACE CASING

8/2/2019 - 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

8/2/2019 - 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

INCREASED DENSITY - 699332

8/6/2019 - GB1 - 13-15N-15W
X641551 MSSP
2 WELLS
CONTINENTAL RESOURCES, INC
7/18/2019

INCREASED DENSITY - 699333

8/6/2019 - GB1 - 24-15N-15W
X667885 MSSP
2 WELLS
CONTINENTAL RESOURCES, INC
7/18/2019

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

039 22581 MOSES TRUST 3-13-24XHM

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
INTERMEDIATE CASING	8/2/2019 - 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
LOCATION EXCEPTION - 699512	8/6/2019 - GB1 - 8/6/2019 - GB1 - (I.O.) 13 & 24-15N-15W X641551 MSSP 13-15N-15W X667885 MSSP 24-15N-15W SHL NCT 0' FNL, NCT 1320' FEL 13-15N-15W** COMPL. INT. (13-15N-15W) NCT 150' FNL, NCT 0' FSL, NCT 1800' FEL COMPL. INT. (24-15N-15W) NCT 0' FNL, NCT 150' FSL, NCT 1800' FEL CONTINENTAL RESOURCES, INC 7/23/2019 **SHL SHOULD BE 270' FSL, 1870' FEL (12-15N-15W); WILL BE CORRECTED PER ATTORNEY FOR OPERATOR AT FINAL HEARING
MEMO	8/2/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201805835	8/6/2019 - GB1 - (I.O.) 13 & 24-15N-15W EST MULTIUNIT HORIZONTAL WELL X641551 MSSP 13-15N-15W X667885 MSSP 24-15N-15W 50% 13-15N-15W 50% 24-15N-15W CONTINENTAL RESOURCES, INC REC. 6/25/2019 (NORRIS)
SPACING - 641551	8/6/2019 - GB1 - (640) 13-15N-15W VAC 129879 CSTR VAC 45628 MPMC VAC 593751 KDRK EST MSSP
SPACING - 667885	8/6/2019 - GB1 - (640) 24-15N-15W VAC 45628 MPMC EXT 646575 MSSP, OTHERS
SURFACE CASING	8/2/2019 - G71 - MIN. 500' PER ORDER 42589

EXHIBIT: A (1 of 2)
 SHEET: 8.5x11
 SHL: 12-15N-15W
 BHL-3 24-15N-15W



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 12 Township 15N Range 15W I.M.

Well: MOSES TRUST 3-13-24XHM

County CUSTER State OK

Well: ---

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W3	MOSES TRUST 3-13-24XHM	286187	1747590	35° 47' 01.90" -98° 44' 41.27"	35.783862 -98.744796	270' FSL / 1870' FEL (SE/4 SEC 12)	1708.87'	1709.16'
LP-3	LANDING POINT	285866	1747588	35° 46' 58.73" -98° 44' 41.27"	35.782982 -98.744796	50' FNL / 1870' FEL (NE/4 SEC 13)	--	---
BHL-3	BOTTOM HOLE LOCATION	275456	1747508	35° 45' 15.78" -98° 44' 41.29"	35.754383 -98.744802	50' FSL / 1870' FEL (SE/4 SEC 24)	--	---
X-2	COMBS #1-13	284781	1745482	35° 46' 47.84" -98° 45' 06.72"	35.779955 -98.751868	13-15N-15W TD: 11,750' 1,159' FNL / 1,331' FWL	--	---
X-3	VIRGINIA DIEL #1-13	281349	1744443	35° 46' 13.82" -98° 45' 19.00"	35.770505 -98.755278	13-15N-15W TD: 9,987' 660' FSL / 330' FWL	--	---
X-4	LUANN #1-13-12XH	281021	1748929	35° 46' 10.91" -98° 44' 24.54"	35.769699 -98.740149	13-15N-15W TD: 24,056' 375' FSL / 500' FEL	--	---
X-5	SHERRILL JONES #1 (SAME AS JONES #S-1)	280029	1744761	35° 46' 00.79" -98° 45' 15.02"	35.766886 -98.754172	24-15N-15W TD: 9,890' 657' FNL / 660' FWL	--	---
X-6	MOSES #1	276729	1745300	35° 45' 28.19" -98° 45' 08.17"	35.757832 -98.752271	24-15N-15W TD: 12,240' 1,320' FSL / 1,220' FWL	--	---
X-7	CONKLING #24-A	277386	1747398	35° 45' 34.86" -98° 44' 42.77"	35.759683 -98.745215	24-15N-15W TD: 11,924' 1,980' FSL / 1,987' FEL	--	---
X-8	MOSES TRUST #1-24-13XH	275655	1744423	35° 45' 17.51" -98° 45' 18.71"	35.754864 -98.755197	24-15N-15W TD: 22,330' 245' FSL / 350' FWL	--	---

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W3	MOSES TRUST 3-13-24XHM	286181	1779192	35° 47' 01.73" -98° 44' 39.96"	35.783814 -98.744433	270' FSL / 1870' FEL (SE/4 SEC 12)	1708.87'	1709.16'
LP-3	LANDING POINT	285840	1779190	35° 46' 58.56" -98° 44' 39.96"	35.782934 -98.744434	50' FNL / 1870' FEL (NE/4 SEC 13)	--	---
BHL-3	BOTTOM HOLE LOCATION	275431	1779108	35° 45' 15.60" -98° 44' 39.99"	35.754335 -98.744440	50' FSL / 1870' FEL (SE/4 SEC 24)	--	---
X-2	COMBS #1-13	284755	1777084	35° 46' 47.67" -98° 45' 05.42"	35.779908 -98.751505	13-15N-15W TD: 11,750' 1,159' FNL / 1,331' FWL	--	---
X-3	VIRGINIA DIEL #1-13	281323	1776045	35° 46' 13.64" -98° 45' 17.69"	35.770457 -98.754915	13-15N-15W TD: 9,987' 660' FSL / 330' FWL	--	---
X-4	LUANN #1-13-12XH	280995	1780531	35° 46' 10.74" -98° 44' 23.23"	35.769650 -98.739787	13-15N-15W TD: 24,056' 375' FSL / 500' FEL	--	---
X-5	SHERRILL JONES #1 (SAME AS JONES #S-1)	280003	1776363	35° 46' 00.61" -98° 45' 13.71"	35.766837 -98.753810	24-15N-15W TD: 9,890' 657' FNL / 660' FWL	--	---
X-6	MOSES #1	276703	1776902	35° 45' 28.02" -98° 45' 06.87"	35.757783 -98.751908	24-15N-15W TD: 12,240' 1,320' FSL / 1,220' FWL	--	---
X-7	CONKLING #24-A	277361	1779000	35° 45' 34.88" -98° 44' 41.47"	35.759634 -98.744853	24-15N-15W TD: 11,924' 1,980' FSL / 1,987' FEL	--	---
X-8	MOSES TRUST #1-24-13XH	275629	1776025	35° 45' 17.33" -98° 45' 17.41"	35.754815 -98.754835	24-15N-15W TD: 22,330' 245' FSL / 350' FWL	--	---

Certificate of Authorization No. 7318

Date Staked: 7-16-19
 Date Drawn: 6-27-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	6-27-19	MJL	ISSUED FOR APPROVAL	---

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 12-15N-15W
BHL-3 24-15N-15W

PETRO LAND SERVICES SOUTH, LLC

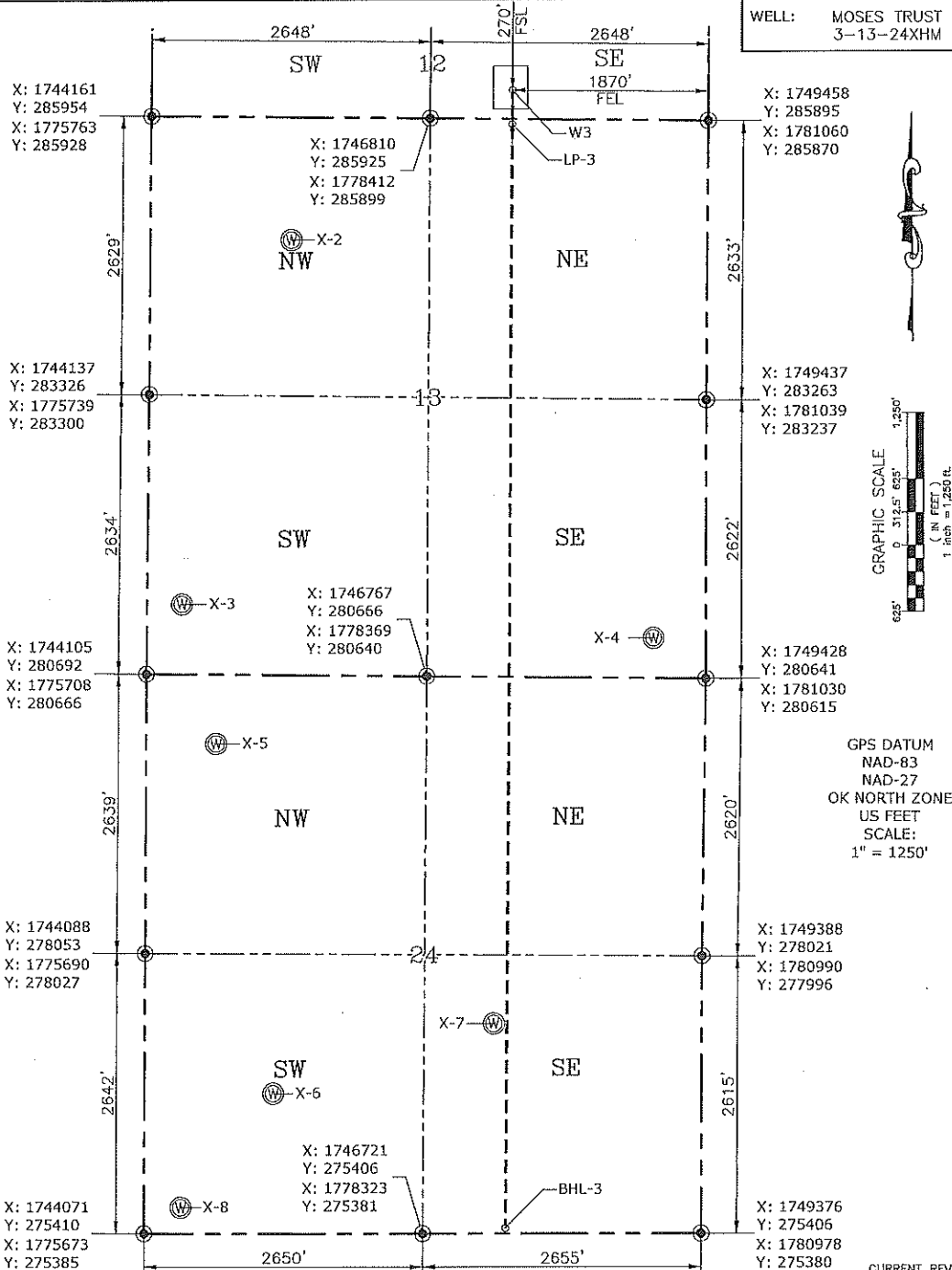
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

CUSTER County Oklahoma
270' FSL-1870' FEL Section 12 Township 15N Range 15W I.M.

WELL: MOSES TRUST
3-13-24XHM



CURRENT REV.: 0

Date Drawn: 6-27-19

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.



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE