

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

API NUMBER: 039 22580

Approval Date: 07/15/2019

Expiration Date: 01/15/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

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

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

SECTION LINES: 286 1784

Lease Name: MOSES TRUST

Well No: 2-13-24XHM

Well will be 286 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

A. RANDALL KOURT ET UX.
PO BOX 347
THOMAS OK 73669

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	12479	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 641551
667885

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805833
201805834
201808848
201808850

Special Orders:

Total Depth: 22228

Ground Elevation: 1715

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 19-36788

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: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1870

Depth of Deviation: 11270

Radius of Turn: 418

Direction: 179

Total Length: 10301

Measured Total Depth: 22228

True Vertical Depth: 12479

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

Notes:

Category

Description

DEEP SURFACE CASING

7/2/2019 - 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

7/2/2019 - 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

INTERMEDIATE CASING

7/2/2019 - 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

MEMO

7/2/2019 - 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.

039 22580 MOSES TRUST 2-13-24XHM

Category	Description
PENDING CD - 201805833	7/15/2019 - GB1 - (I.O.) 13 & 24-15N-15W EST MULTUNIT 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)
PENDING CD - 201805834	7/15/2019 - GB1 - (I.O.) 13 & 24-15N-15W X641551 MSSP 13-15N-15W X667885 MSSP 24-15N-15W SHL NCT 150' FSL, NCT 1800' FWL 24-15N-15W** COMPL. INT. (24-15N-15W) NCT 150' FSL, NCT 0' FNL, NCT 1800' FWL*** COMPL. INT. (13-15N-15W) NCT 0' FSL, NCT 150' FNL, NCT 1800' FWL NO OP. NAMED REC. 12/7/2018 (DENTON)
	** SHL (12-15N-15W) 286' FSL, 1784' FWL; WILL BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR ***LE AND MU SHOW DRILLING FROM SOUTH TO NORTH; ACTUAL LATERAL IS DRILLING NORTH TO SOUTH; WILL BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR
PENDING CD - 201808848	7/15/2019 - GB1 - 13-15N-15W X641551 MSSP 3 WELLS NO OP. NAMED REC. 6/25/2019 (NORRIS)
PENDING CD - 201808850	7/15/2019 - GB1 - 24-15N-15W X667885 MSSP 3 WELLS NO OP. NAMED REC. 6/25/2019 (NORRIS)
SPACING - 641551	7/15/2019 - GB1 - (640) 13-15N-15W VAC 129879 CSTR VAC 45628 MRMC VAC 593751 KDRK EST MSSP
SPACING - 667885	7/15/2019 - GB1 - (640) 24-15N-15W VAC 45628 MRMC EXT 646575 MSSP, OTHERS
SURFACE CASING	7/2/2019 - G71 - MIN. 500' PER ORDER 42589

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: 12-15N-15W
BHL-2 24-15N-15W



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 2-13-24XHM
County CUSTER State OK Well: --
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	MOSES TRUST 2-13-24XHM	286221	1745948	35° 47' 02.12" -98° 45' 01.20"	35.783921 -98.750332	286' FSL / 1784' FWL (SW/4 SEC 12)	1715.09'	1714.77'
LP-2	LANDING POINT	285884	1746031	35° 46' 58.79" -98° 45' 00.16"	35.782997 -98.750045	50' FNL / 1870' FWL (NW/4 SEC 13)	--	--
BHL-2	BOTTOM HOLE LOCATION	275458	1745942	35° 45' 15.67" -98° 45' 00.27"	35.754354 -98.750074	50' FSL / 1870' FWL (SW/4 SEC 24)	--	--
X-2	COMBS #1-13	284781	1745482	35° 46' 47.84" -98° 45' 06.72"	35.779956 -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: 9,897' 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							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	MOSES TRUST 2-13-24XHM	286195	1777550	35° 47' 01.94" -98° 44' 59.89"	35.783873 -98.749969	286' FSL / 1784' FWL (SW/4 SEC 12)	1715.09'	1714.77'
LP-2	LANDING POINT	285858	1777633	35° 46' 58.61" -98° 44' 58.86"	35.782948 -98.749683	50' FNL / 1870' FWL (NW/4 SEC 13)	--	--
BHL-2	BOTTOM HOLE LOCATION	275432	1777544	35° 45' 15.50" -98° 44' 58.96"	35.754305 -98.749712	50' FSL / 1870' FWL (SW/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	1776046	35° 46' 13.64" -98° 45' 17.69"	35.770457 -98.754915	13-15N-15W TD: 9,897' 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' 34.68" -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: **--*-19
Date Drawn: 6-28-19

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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	6-28-19	HDG	ISSUED FOR APPROVAL	--

