

API NUMBER: 039 22592

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

Approval Date: 03/04/2021
Expiration Date: 09/04/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 14N Range: 14W County: CUSTER

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 270 755

Lease Name: SWARTZENDRUBER Well No: 2-22-15XHM Well will be 270 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349000; OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 268870
OKLAHOMA CITY, OK 73126-8870

TRUMAN SCHROCK
9330 N 2420 RD
THOMAS OK 73669

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	12940
2	WOODFORD	319WDFD	15050

Spacing Orders: 99558 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
667137
668058

Pending CD Numbers: 202100162 Working interest owners' notified: *** Special Orders: No Special Orders
202100160
202100154

Total Depth: 23689 Ground Elevation: 1720 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 380

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37528

H. (Other) SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel 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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

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.

MULTI UNIT HOLE 1

Section: 15	Township: 14N	Range: 14W	Meridian: IM	Total Length: 9236
County: CUSTER				Measured Total Depth: 23689
Spot Location of End Point: N2	NE	NW	NW	True Vertical Depth: 16000
Feet From: NORTH	1/4 Section Line: 50			End Point Location from
Feet From: WEST	1/4 Section Line: 990			Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[2/16/2021 - 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	<p>[2/16/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NH shall be used and is found at this link: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
MEMO	[2/16/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD – 202100154	<p>[2/19/2021 - GB6] - (I.O.) 15-14N-14W</p> <p>X668058 MSSP</p> <p>2 WELLS</p> <p>NO OPER. NAMED</p> <p>REC. 02/23/2021 (NORRIS)</p>
PENDING CD – 202100160	<p>[2/19/2021 - GB6] - (I.O.) 15 & 22 -14N-14W</p> <p>X 668058 MSSP, WDFD 15-14N-14W</p> <p>X99558 MSSP 22-14N-14W</p> <p>X667137 WDFD 22-14N-14W</p> <p>X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO SWARTZENDRUBER 1-27HM (API# 039-22555), WINGARD 1-22-15XH (API# 039-22498), KO KIPP 1-3-10XH (API# 039-22488)</p> <p>COMPL. INT. (22-14N-14W) NCT 150' FSL, NCT 0' FNL, NCT 660' FWL</p> <p>COMPL. INT. (15-14N-14W) NCT 0' FSL, NCT 150' FNL, NCT 660' FWL</p> <p>NO OPER. NAMED</p> <p>REC. 02/23/2021 (NORRIS)</p>
PENDING CD – 202100162	<p>[2/19/2021 - GB6] - (I.O.) 15 & 22 -14N-14W</p> <p>EST MULTIUNIT HORIZONTAL WELL</p> <p>X 668058 MSSP, WDFD 15-14N-14W</p> <p>X99558 MSSP 22-14N-14W</p> <p>X667137 WDFD 22-14N-14W</p> <p>(WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)</p> <p>50% 15-14N-14W</p> <p>50% 22-14N-14W</p> <p>CONTINENTAL RESOURCES, INC.</p> <p>REC. 02/23/2021 (NORRIS)</p>
SPACING – 667137	<p>[2/18/2021 - GB6] - (640) 22-14N-14W</p> <p>VAC 121743 CSTR 22-14N-14W</p> <p>EST WDFD</p>
SPACING – 668058	<p>[2/18/2021 - GB6] - (640) 15-14N-14W</p> <p>VAC 121743 CSTR 15-14N-14W</p> <p>VAC 127821 CSTR 15-14N-14W</p> <p>EXT 99558 MSSP</p> <p>EST WDFD</p>

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.

SPACING – 99558

[2/18/2021 - GB6] - (640) 22-14N-14W
EXT OTHER
EXT 65965** MSSP, OTHERS
** S/B 65865

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.

039 22592 SWARTZENDRUBER 2-22-15XHM

EXHIBIT: A (1 of 3)
SHEET: 8.5x11
SHL: 27-14N-14W
BHL-2: 15-14N-14W



WELL PAD ID:
5F4E7C9F-38AF-B8D3-BE34-BEC1347DF02B
W2-ID: VAMFL87P48

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 27 Township 14N Range 14W I.M.

SWARTZENDRUBER
W2: 2-22-15XHM

County CUSTER State OK

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	SWARTZENDRUBER 2-22-15XHM	243475	1765626	35° 40' 00.82" -98° 40' 58.72"	35.666895 -98.682978	270' FNL / 755' FWL (NW/4 SEC 27)	1718.89'	1719.89'
LP-2	LANDING POINT	243794	1765862	35° 40' 03.99" -98° 40' 55.89"	35.667774 -98.682191	50' FSL / 990' FWL SW/4 SEC 22)	--	--
BHL-2	BOTTOM HOLE LOCATION	254247	1765929	35° 41' 47.37" -98° 40' 55.97"	35.698491 -98.682214	50' FNL / 990' FWL (NW/4 SEC 15)	--	--
X-1	MCNEILL #3	250323	1769521	35° 41' 08.81" -98° 40' 12.09"	35.685781 -98.670026	15-14N-14W: TD: 10,925' 1320' FSL / 660' FEL	--	--
X-2	MCNEILL #2	253637	1766254	35° 41' 41.36" -98° 40' 51.98"	35.694823 -98.681105	15-14N-14W: TD: 10,724' 660' FNL / 1320' FWL	--	--
X-3	MCNEILL #5-15	252295	1768205	35° 41' 28.23" -98° 40' 28.20"	35.691174 -98.674501	15-14N-14W: TD: 11,035' 2002' FNL / 2005' FEL	--	--
X-4	MCNEILL #7-15	249708	1768166	35° 41' 02.63" -98° 40' 28.46"	35.684085 -98.674573	15-14N-14W: TD: 11,200' 700' FSL / 2005' FEL	--	--
X-5	MCNEILL #4	250335	1766227	35° 41' 08.71" -98° 40' 52.02"	35.685752 -98.681118	15-14N-14W: TD: 12,498' 1320' FSL / 1320' FWL	--	--
X-6	MCNEILL #1	253634	1769562	35° 41' 41.56" -98° 40' 11.86"	35.694877 -98.669962	15-14N-14W: TD: 10,837' 663' FNL / 669' FEL	--	--
X-7	WINGARD SWD #1-15	253898	1767274	35° 41' 44.01" -98° 40' 39.63"	35.695559 -98.677675	15-14N-14W: TD: 10,000' 399' FNL / 2338' FWL	--	--
X-8	WINGARD 1522 #2HX	253987	1767226	35° 41' 44.89" -98° 40' 40.21"	35.695802 -98.677836	15-14N-14W: TD: 18,800' 310' FNL / 2290' FWL	--	--
X-9	WINGARD 1510 #1HX	251857	1765379	35° 41' 23.69" -98° 41' 02.43"	35.689915 -98.684007	15-14N-14W: TD: 16,188' 2440' FNL / 460' FWL	--	--
X-10	DON MCNEILL #3	245061	1766198	35° 40' 16.54" -98° 40' 51.93"	35.671262 -98.681090	22-14N-14W: TD: 11,100' 1320' FSL / 1320' FWL	--	--
X-11	DON MCNEILL #4	247697	1766670	35° 40' 42.64" -98° 40' 46.43"	35.678511 -98.679563	22-14N-14W: TD: 11,060' 1317' FNL / 1780' FWL	--	--
X-12	DON MCNEILL #1	247685	1768836	35° 40' 42.67" -98° 40' 20.16"	35.678521 -98.672268	22-14N-14W: TD: 11,000' 1320' FNL / 1315' FEL	--	--
X-13	DON MCNEILL #2-22	245041	1768821	35° 40' 16.53" -98° 40' 20.12"	35.671258 -98.672257	22-14N-14W: TD: 12,650' 1320' FSL / 1308' FEL	--	--
X-14	WINGARD #1-22-15XH	243949	1765118	35° 40' 05.47" -98° 41' 04.92"	35.668187 -98.684700	22-14N-14W: TD: 25,352' 200' FSL / 245' FWL	--	--
X-15	SCHROCK 2215 #1HX	243965	1765643	35° 40' 05.67" -98° 40' 58.56"	35.668241 -98.682933	22-14N-14W: TD: 20,705' 220' FSL / 770' FWL	--	--

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	01-28-21	01-30-21	HDG	ISSUED FOR APPROVAL	--

Certificate of Authorization No. 7318



Prepared By:
Petro Land Services South
14612 Hertz Quail Springs
Pkwy.
Oklahoma City, OK 73134

EXHIBIT: A (2 of 3)
SHEET: 8.5x11
SHL: 27-14N-14W
BHL-2: 15-14N-14W



WELL PAD ID:
5F4E7C9F-38AF-B8D3-BE34-BEC1347DF02B
W2-ID: VAMFL87P48

COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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Section 27 Township 14N Range 14W I.M. W2: SWARTZENDRUBER
2-22-15XHM
County CUSTER State OK
Operator CONTINENTAL RESOURCES, INC.

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	SWARTZENDRUBER 2-22-15XHM	243450	1797227	35° 40' 00.64" -98° 40' 57.44"	35.666845 -98.682622	270' FNL / 755' FWL (NW/4 SEC 27)	1718.89'	1719.89'
LP-2	LANDING POINT	243768	1797463	35° 40' 03.81" -98° 40' 54.60"	35.667724 -98.681834	50' FSL / 990' FWL SW/4 SEC 22)	--	--
BHL-2	BOTTOM HOLE LOCATION	254222	1797530	35° 41' 47.19" -98° 40' 54.68"	35.696442 -98.681856	50' FNL / 990' FWL (NW/4 SEC 15)	--	--
X-1	MCNEILL #3	250298	1801122	35° 41' 08.63" -98° 40' 10.81"	35.685731 -98.669669	15-14N-14W: TD: 10,925' 1320' FSL / 660' FEL	--	--
X-2	MCNEILL #2	253612	1797855	35° 41' 41.18" -98° 40' 50.69"	35.694773 -98.680747	15-14N-14W: TD: 10,724' 660' FNL / 1320' FWL	--	--
X-3	MCNEILL #5-15	252270	1799806	35° 41' 28.05" -98° 40' 26.92"	35.691125 -98.674144	15-14N-14W: TD: 11,035' 2002' FNL / 2005' FEL	--	--
X-4	MCNEILL #7-15	249682	1799767	35° 41' 02.46" -98° 40' 27.18"	35.684015 -98.674217	15-14N-14W: TD: 11,200' 700' FSL / 2005' FEL	--	--
X-5	MCNEILL #4	250310	1797828	35° 41' 08.53" -98° 40' 50.74"	35.685703 -98.680761	15-14N-14W: TD: 12,498' 1320' FSL / 1320' FWL	--	--
X-6	MCNEILL #1	253609	1801163	35° 41' 41.38" -98° 40' 10.58"	35.694828 -98.669606	15-14N-14W: TD: 10,837' 663' FNL / 669' FEL	--	--
X-7	WINGARD SWD #1-15	253873	1798875	35° 41' 43.83" -98° 40' 38.35"	35.695509 -98.677318	15-14N-14W: TD: 10,000' 399' FNL / 2338' FWL	--	--
X-8	WINGARD 1522 #2HX	253962	1798828	35° 41' 44.71" -98° 40' 38.93"	35.695753 -98.677479	15-14N-14W: TD: 18,800' 310' FNL / 2290' FWL	--	--
X-9	WINGARD 1510 #1HX	251832	1796980	35° 41' 23.52" -98° 41' 01.14"	35.689866 -98.683650	15-14N-14W: TD: 16,188' 2440' FNL / 460' FWL	--	--
X-10	DON MCNEILL #3	245036	1797799	35° 40' 16.37" -98° 40' 50.64"	35.671213 -98.680734	22-14N-14W: TD: 11,100' 1320' FSL / 1320' FWL	--	--
X-11	DON MCNEILL #4	247671	1798271	35° 40' 42.46" -98° 40' 45.14"	35.678462 -98.679207	22-14N-14W: TD: 11,060' 1317' FNL / 1780' FWL	--	--
X-12	DON MCNEILL #1	247660	1800437	35° 40' 42.50" -98° 40' 18.88"	35.678471 -98.671912	22-14N-14W: TD: 11,000' 1320' FNL / 1315' FEL	--	--
X-13	DON MCNEILL #2-22	245016	1800422	35° 40' 16.35" -98° 40' 18.84"	35.671208 -98.671901	22-14N-14W: TD: 12,650' 1320' FSL / 1308' FEL	--	--
X-14	WINGARD #1-22-15XH	243924	1798718	35° 40' 05.29" -98° 41' 03.64"	35.668137 -98.684344	22-14N-14W: TD: 25,352' 200' FSL / 245' FWL	--	--
X-15	SCHROCK 2215 #1HX	243940	1797244	35° 40' 05.49" -98° 40' 57.28"	35.668192 -98.682576	22-14N-14W: TD: 20,705' 220' FSL / 770' FWL	--	--

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Petro Land Services South
14612 Hertz Quail Springs
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Oklahoma City, OK 73134

CURRENT REV.: 0

Oklahoma PLS No.1944 DATE