

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

API NUMBER: 051 24712

Approval Date: 09/05/2019

Expiration Date: 03/05/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 340 460

Lease Name: COOLEY

Well No: 2-25-24XHW

Well will be 340 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

LARRY DEAN BRIDWELL
15630 STATE HWY 74B
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11811	6	
2	WOODFORD	12056	7	
3			8	
4			9	
5			10	

Spacing Orders: 147146
190352
167964
170489
607356

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904153
201904154
201904147
201904148

Special Orders:

Total Depth: 19633

Ground Elevation: 1141

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 280

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: 19-36937

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 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 BED AQUIFER

Pit Location Formation: DUNCAN

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: DUNCAN

HORIZONTAL HOLE 1

Sec 24 Twp 6N Rge 5W County GRADY

Spot Location of End Point: S2 S2 SW NW

Feet From: NORTH 1/4 Section Line: 2500

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11641

Radius of Turn: 488

Direction: 5

Total Length: 7226

Measured Total Depth: 19633

True Vertical Depth: 12056

End Point Location from Lease,

Unit, or Property Line: 660

Additional Surface Owner

Address

City, State, Zip

LARRY DEAN BRIDWELL

15630 STATE HWY 74B

BLANCHARD, OK 73010

Notes:

Category

Description

DEEP SURFACE CASING

8/30/2019 - GC3 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

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

051 24712 COOLEY 2-25-24XHW

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
HYDRAULIC FRACTURING	<p>8/30/2019 - GC3 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
MEMO	<p>8/30/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201904147	<p>9/5/2019 - GC2 - (I.O.) 24 & 25-6N-5W EST MULTIUNIT HORIZONTAL WELL X147146 MSSP 24-6N-5W X190352 WDFD 24-6N-5W X167964/170489 MSSP 25-6N-5W X607356 WDFD 25-6N-5W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 24-6N-5W 50% 25-6N-5W CONTINENTAL RESOURCES, INC. REC 9-3-2019 (THOMAS)</p>
PENDING CD - 201904148	<p>9/5/2019 - GC2 - (I.O.) 24 & 25-6N-5W X147146 MSSP 24-6N-5W X190352 WDFD 24-6N-5W X167964/170489 MSSP 25-6N-5W X607356 WDFD 25-6N-5W COMPL. INT. (25-6N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (24-6N-5W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL CONTINENTAL RESOURCES, INC. REC 9-3-2019 (THOMAS)</p>
PENDING CD - 201904153	<p>9/5/2019 - GC2 - 24-6N-5W X190352 WDFD 4 WELLS NO OP. NAMED REC 9/3/2019 (THOMAS)</p>
PENDING CD - 201904154	<p>9/5/2019 - GC2 - 25-6N-5W X607356 WDFD 4 WELLS NO OP. NAMED REC 9/3/2019 (THOMAS)</p>
SPACING - 147146	<p>9/5/2019 - GC2 - (640) 24-6N-5W EST MSSP, OTHERS EXT OTHERS</p>
SPACING - 167964	<p>9/5/2019 - GC2 - (640) 25-6N-5W EXT OTHER EXT 147146/153801 MSSP, OTHERS</p>
SPACING - 170489	<p>9/5/2019 - GC2 - NPT PARAGRAPH 1 OF 167964 TO REFLECT 640 DRILLING AND SPACING UNITS.</p>
SPACING - 190352	<p>9/5/2019 - GC2 - (640) 24-6N-5W EST WDFD, OTHERS</p>
SPACING - 607356	<p>9/5/2019 - GC2 - (640) 25-6N-5W EXT 386234/190352 WDFD, OTHERS EST OTHERS</p>

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EXHIBIT: A (1 of 2)
 SHEET: 8.5x11
 SHL: 25-6N-5W
 BHL-2 24-6N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 25 Township 6N Range 5W I.M.Well: COOLEY 2-25-24XHWCounty GRADY State OKWell: ---Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	COOLEY 2-25-24XHW	591354	2062399	34° 57' 28.30" -97° 41' 11.86"	34.957862 -97.686628	340' FSL / 460' FWL (SW/4 SEC 25)	1141.11'	1141.36'
LP-2	LANDING POINT	591355	2062599	34° 57' 28.30" -97° 41' 09.46"	34.957862 -97.685960	340' FSL / 660' FWL (SW/4 SEC 25)	--	--
BHL-2	BOTTOM HOLE LOCATION	599093	2062577	34° 58' 44.84" -97° 41' 09.44"	34.979123 -97.685955	2500' FNL / 660' FWL (NW/4 SEC 24)	---	--
X-4	BRIDWELL #1-25	594993	2065887	34° 58' 04.19" -97° 40' 29.81"	34.967830 -97.674948	25-6N-5W: TD: 14,095' 1,326' FNL / 1,320' FEL	--	--
X-5	BRIDWELL #1-25H	591245	2065365	34° 57' 27.13" -97° 40' 36.23"	34.957537 -97.676731	25-6N-5W: TD: 16,575' 220' FSL / 1,850' FEL	---	--
X-6	COOLEY #1-24H	596083	2065295	34° 58' 14.99" -97° 40' 36.88"	34.970830 -97.676912	25-6N-5W: TD: 16,920' 233' FNL / 1,910' FEL	--	---

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	COOLEY 2-25-24XHW	591312	2093996	34° 57' 28.05" -97° 41' 10.73"	34.957792 -97.686314	340' FSL / 460' FWL (SW/4 SEC 25)	1141.11'	1141.36'
LP-2	LANDING POINT	591313	2094196	34° 57' 28.05" -97° 41' 08.33"	34.957793 -97.685646	340' FSL / 660' FWL (SW/4 SEC 25)	--	--
BHL-2	BOTTOM HOLE LOCATION	599050	2094173	34° 58' 44.59" -97° 41' 08.31"	34.979054 -97.685641	2500' FNL / 660' FWL (NW/4 SEC 24)	--	--
X-4	BRIDWELL #1-25	594951	2097484	34° 58' 03.94" -97° 40' 28.68"	34.967761 -97.674634	25-6N-5W: TD: 14,095' 1,326' FNL / 1,320' FEL	--	--
X-5	BRIDWELL #1-25H	591203	2096961	34° 57' 26.88" -97° 40' 35.10"	34.957468 -97.676417	25-6N-5W: TD: 16,575' 220' FSL / 1,850' FEL	---	--
X-6	COOLEY #1-24H	596041	2096892	34° 58' 14.74" -97° 40' 35.75"	34.970761 -97.676598	25-6N-5W: TD: 16,920' 233' FNL / 1,910' FEL	--	---

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	8-8-19	**--**--19	HOG	ISSUED FOR APPROVAL	--

Certificate of Authorization No. 7318



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

Oklahoma PLS No. 1196 DATE