

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

API NUMBER: 137 27503 A

Approval Date: 08/24/2017
Expiration Date: 08/24/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND PIT AND SOIL FARMING

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 1S Rge: 4W

County: STEPHENS

SPOT LOCATION: SW NE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 875 850

Lease Name: BETTS

Well No: M1-6-31XH

Well will be 850 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

CHARLES D. PARKS
8410 BLUE BONNET RD
DALLAS TX 75209

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	10225	6
2			7
3			8
4			9
5			10

Spacing Orders: 640110
672150
668668

Location Exception Orders: 669826

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18630

Ground Elevation: 1056

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 600

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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: PURCELL

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-32993

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: PURCELL

HORIZONTAL HOLE 1

Sec 31 Twp 1N Rge 4W County STEPHENS

Spot Location of End Point: NE NE SW NW

Feet From: NORTH 1/4 Section Line: 1500

Feet From: WEST 1/4 Section Line: 1200

Depth of Deviation: 10173

Radius of Turn: 441

Direction: 356

Total Length: 7764

Measured Total Depth: 18630

True Vertical Depth: 11404

End Point Location from Lease,
Unit, or Property Line: 1200

Notes:

Category

Description

DEEP SURFACE CASING

8/17/2017 - G58 - 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

8/17/2017 - G58 - 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

LOCATION EXCEPTION - 669826

4/6/2018 - G58 - (I.O.) 6-1S-4W & 31-1N-4W
X640110 MSSP, OTHERS 31-1N-4W
X668668 MSSP, OTHERS 6-1S-4W
COMPL. INT. (6-1S-4W) NCT 150' FSL, NCT 0' FNL, NCT 660' FWL
COMPL. INT. (31-1N-4W) NCT 0' FSL, NCT 150' FNL, NCT 660' FWL
CONTINENTAL RESOURCES, INC.
11-7-2017

MEMO

3/29/2018 - 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.

Category	Description
SPACING - 640110	8/23/2017 - G64 - (640) 31-1N-4W EXT OTHER EST (HOR) MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 158617/161613 SPRG & ORDER 184770 SPRG)
SPACING - 668668	4/6/2018 - G58 - (640)(HOR) 6-1S-4W EXT OTHER EXT (HOR) 640110 MSSP POE TO BHL NCT 660' FB
SPACING - 672150	4/6/2018 - G58 - (I.O.) 6-1S-4W & 31-1N-4W EST MULTIUNIT HORIZONTAL WELL X640110 MSSP, OTHERS 31-1N-4W X668668 MSSP, OTHERS 6-1S-4W 33% 6-1S-4W 67% 31-1N-4W CONTINENTAL RESOURCES, INC. 1-12-2018

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