

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

API NUMBER: 039 22525

Approval Date: 01/08/2018

Expiration Date: 01/08/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 15N Rge: 15W County: CUSTER

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 230 330

Lease Name: CLAUSSEN Well No: 1-8-5XHM Well will be 230 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

MICHAEL & ARDIS CHRISTENSEN
8746 RIVER HOLLOW DRIVE
CORDOVA TN 38016

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	13432	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 641555

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603567
201707202
201707203

Special Orders:

Total Depth: 23548 Ground Elevation: 1828 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 440

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: 17-33487

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 05 Twp 15N Rge 15W County CUSTER

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 13050

Radius of Turn: 382

Direction: 360

Total Length: 9898

Measured Total Depth: 23548

True Vertical Depth: 13432

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

Notes:

Category

Description

DEEP SURFACE CASING

1/4/2018 - 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

1/4/2018 - 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

1/4/2018 - 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

1/4/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 – WBM CUTTINGS WILL BE SOIL FARMED, PIT 2 – OBM RETURNED TO VENDOR, OBM CUTTINGS TO ORDER 587498, 31-12N-8W, CANADIAN CO

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 22525 CLAUSSEN 1-8-5XHM

Category	Description
PENDING CD - 201603567	1/8/2018 - G57 - (I.O.)(640) 5-15N-15W EXT 641555 MSSP EXT OTHERS REC 12-4-2017 (JACKSON)
PENDING CD - 201707202	1/8/2018 - G57 - (I.O.) 8 & 5-15N-15W EST MULTIUNIT HORIZONTAL WELL XOTHERS X641555 MSSP, OTHERS X201603567 MSSP, OTHERS 50% 8-15N-15W 50% 5-15N-15W CONTINENTAL RESOURCES, INC. REC 12-4-2017 (JACKSON)
PENDING CD - 201707203	1/8/2018 - G57 - (I.O.) 8 & 5-15N-15W XOTHERS X641555 MSSP, OTHERS X201603567 MSSP, OTHERS COMPL. INT. (8-15N-15W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (5-15N-15W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 12-4-2017 (JACKSON)
SPACING - 641555	1/8/2018 - G57 - (640) 8-15N-15W VAC 583766 CSTR, MSSLM, KDRK EST MSSP

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.



Permitex 7/8/18
Suretyex 6/12/19
operator # 3186

June 28, 2018

Oklahoma Corporation Commission
Oil & Gas Conservation Division
P. O. Box 52000
Oklahoma City, OK 73152-2000

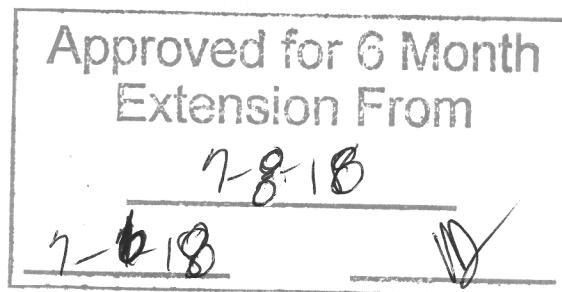
RE: Claussen 1-8-5XHM, API #039-22525

Continental Resources, Inc. would like to request a six month extension on the Claussen 1-8-5XHM, API #039-22525, located in S2 SE SE SE of Sec 08-15N-15W, Custer County and the Permit to Drill. The current permit expires on 07/08/2018. Please let me know if you need any further information.

Sincerely,

CONTINENTAL RESOURCES, INC.

Arianna Bedell
Regulatory Compliance
(405) 774-5846
Arianna.bedell@clr.com



RECEIVED

JUL 02 2018

OKLAHOMA CORPORATION
COMMISSION

EXHIBIT: A (1 of 2)
 SHEET: 8.5x11
 SHL: 08-15N-15W
 BHL: 05-15N-15W



Continental
 RESOURCES

039-22525

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 08 Township 15N Range 15W I.M.

Well: CLAUSSEN 1-8-5XHM

County CUSTER State OK

Well: _____

Operator CONTINENTAL RESOURCES, INC.

Well: _____

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	CLAUSSEN 1-8-5XHM	286554	1728030	1827.75	N35°47'03.88" W98°48'38.70"	N35.784440° W98.810751°	230' FSL / 330' FEL (SE/4 SEC 8)
L.P.	LANDING POINT	286699	1728033	---	N35°47'05.42" W98°48'38.68"	N35.784838° W98.810745°	375' FSL / 330' FEL (SE/4 SEC 8)
B.H.L.	BOTTOM HOLE LOCATION	296715	1728232	---	N35°48'44.48" W98°48'37.28"	N35.812358° W98.810355°	50' FNL / 330' FEL (NE/4 SEC 5)

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	CLAUSSEN 1-8-5XHM	286528	1759632	1827.75	N35°47'03.81" W98°48'37.39"	N35.784382° W98.810386°	230' FSL / 330' FEL (SE/4 SEC 8)
L.P.	LANDING POINT	286673	1759635	---	N35°47'05.25" W98°48'37.37"	N35.784790° W98.810380°	375' FSL / 330' FEL (SE/4 SEC 8)
B.H.L.	BOTTOM HOLE LOCATION	296689	1759834	---	N35°48'44.32" W98°48'35.96"	N35.812311° W98.809990°	50' FNL / 330' FEL (NE/4 SEC 5)

Certificate of Authorization No. 7318

Date Staked: 11-02-17
 Date Drawn: 11-02-17



Prepared By:
 Petro Land Services South
 10404 Vineyard Blvd.
 Suite G100
 Oklahoma City, OK 73120

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	11-02-2017	MJL	ISSUED FOR APPROVAL	---
01	11-20-2017	MJL	UPDATED WELL NAME	REV. ALL SHEETS
02	11-29-2017	MJL	REV. ACCESS	REV. EXHIBITS: B, C, F, G, H & I

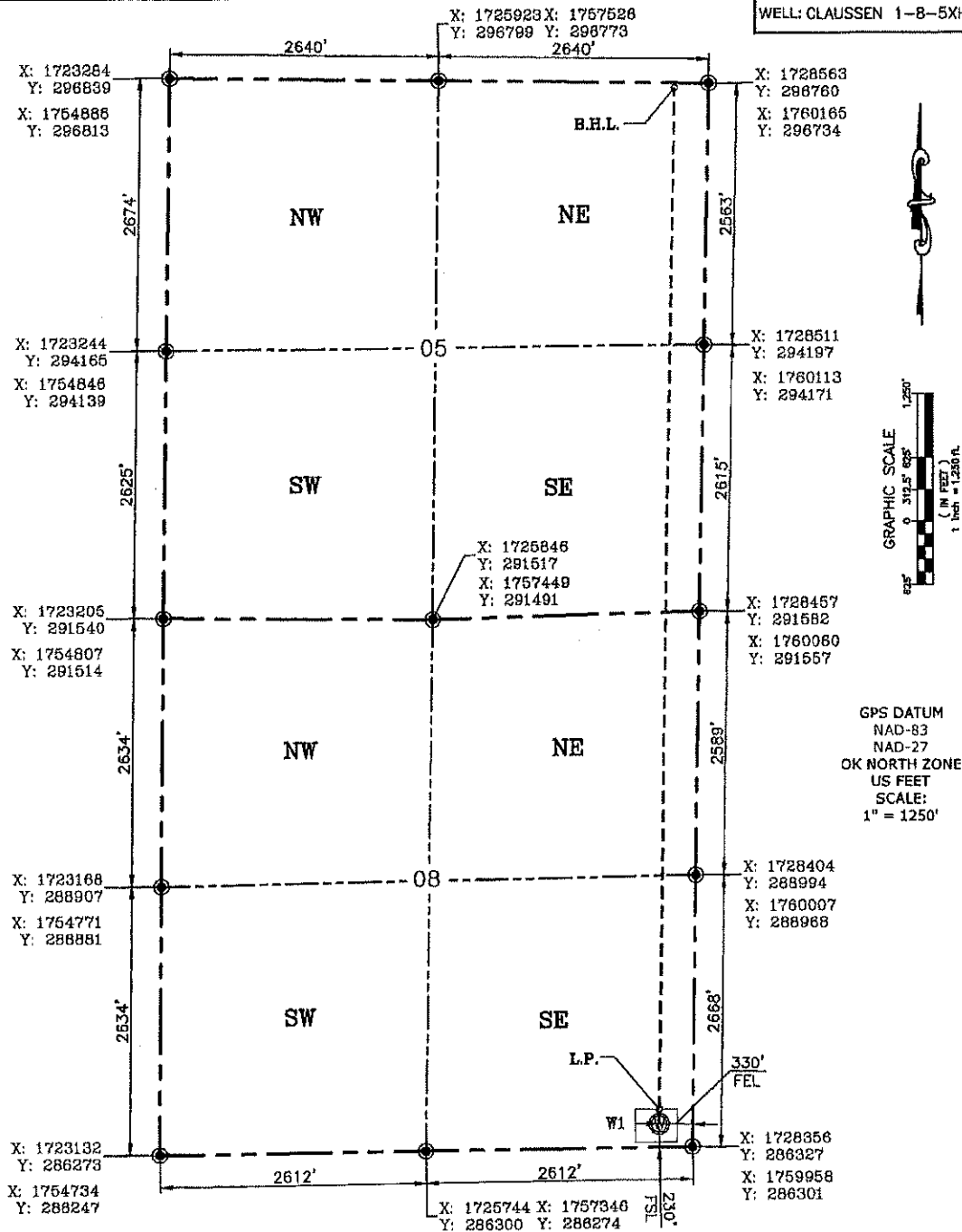
EXHIBIT: A (2 of 2)SHEET: 8.5x14SHL: 08-15N-15WBHL: 05-15N-15W**PETRO LAND SERVICES SOUTH, LLC**10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318**CONTINENTAL
RESOURCES, INC.**
(OPERATOR)

CUSTER

County Oklahoma

230' FSL-330' FEL Section 08 Township 15N Range 15W I.M.

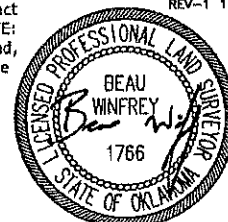
WELL: CLAUSSEN 1-8-5XHM



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, Beau Winfrey an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

Date Staked: 11-02-17
Date Drawn: 11-02-17

REV-1 11-20-2017

11/30/17

Oklahoma PLS No.1766 DATE