API NUMBER: 039 22498

Oil & Gas

Horizontal Hole

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

Approval Date: 03/17/2017

Expiration Date: 09/17/2017

PERMIT TO DRILL

WELL LOCATION: Sec	22	Twp:	14N	Rge:	14W	County:	CUSTER
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SPOT LOCATION: SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST SECTION LINES: 200 245

Lease Name: WINGARD Well No: 1-22-15XH Well will be 200 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC

PO BOX 269000

OKLAHOMA CITY, OK 73126-9000

TRUMAN SCHROCK 9330 N. 2420 RD.

THOMAS OK 73669

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

ı	Name	Depth	Name	Depth
1 \	WOODFORD	15323 6		
2		7		
3		8		
4		9		
5		10	)	
Spacing Orders:	No Spacing	Location Exception Orders:		Increased Density Orders:

Pending CD Numbers: 201601979 Special Orders:

201601977 201605296 201605297

Total Depth: 25352 Ground Elevation: 1720 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 390

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

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32066

H. SEE MEMO

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

PIT 2 INFORMATION

Type of Pit System: ON SITE 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?

is located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3 Pit Location is AP/TE DEPOSIT Pit Location Formation: TERRACE

## **HORIZONTAL HOLE 1**

Sec 15 Twp 14N Rge 14W County **CUSTER** 

NW Spot Location of End Point: N2 NW NW Feet From: NORTH 1/4 Section Line: 50 Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 14770 Radius of Turn: 477

Direction: 2

Total Length: 9833

Measured Total Depth: 25352 True Vertical Depth: 15323 End Point Location from Lease, Unit, or Property Line: 50

Notes:

Category Description

**DEEP SURFACE CASING** 3/16/2017 - 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 3/16/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC

> FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS

DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME

COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

MEMO 3/16/2017 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM

RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201601977 3/16/2017 - G64 - (E.O.)(640) 15-14N-14W

**VAC OTHERS EXT OTHER EST WDFD** 

CONTINENTAL RESOURCES, INC. REC. 3-10-2017 (M. PORTER)

PENDING CD - 201601979 3/16/2017 - G64 - (E.O.)(640) 22-14N-14W

VAC OTHER

**EST WDFD** 

CONTINENTAL RESOURCES, INC. REC. 3-10-2017 (M. PORTER)

Category Description

PENDING CD - 201605296 3/16/2017 - G64 - (E.O.) 22 & 15-14N-14W

EST MULTIUNIT HORIZONTAL WELL X201601979 WDFD 22-14N-14W X201601977 WDFD 15-14N-14W

**XOTHERS** 50% 22-14N-14W 50% 15-14N-14W

CONTINENTAL RESOURCES, INC. REC. 3-10-2017 (M. PORTER)

PENDING CD - 201605297 3/16/2017 - G64 - (E.O.) 22 & 15-14N-14W

X201601979 WDFD 22-14N-14W X201601977 WDFD 15-14N-14W

**XOTHERS** 

SHL (22-14N-14W) SW4

COMPL. INT. (22-14N-14W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (15-14N-14W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL CONTINENTAL RESOURCES, INC.

REC 3-10-2017 (M. PORTER)

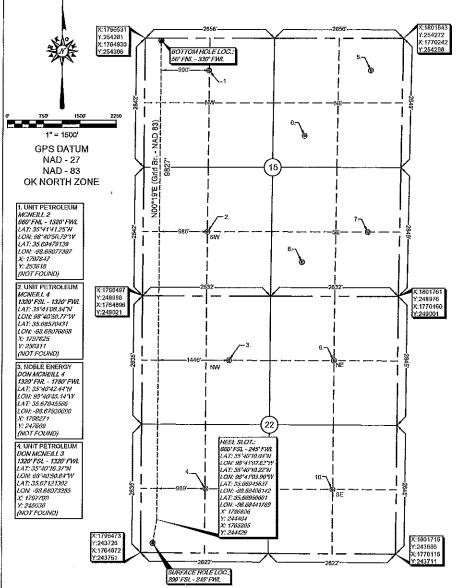
SURFACE CASING 3/16/2017 - G71 - MIN. 500' PER ORDER # 42589 API: 039 22498

## Continental Well Location Plat

EXHIBIT "A" S.H.L. Sec. 22-14N-14W I.M B.H.L. Sec. 15-14N-14W I.M. CUSTER COUNTY

Operator: CONTINENTAL RESOURCES, INC.

	LEASE NAME	SHL	NAT, GR. ELEV.	LATITUDE	LONGITUDE	EASTING	NORTHING	8HL	LATITUDE	LONGITUDE	EASTING	NORTHING	DESIGN ELEV.
A	WINGARD #1-22-15XH	200' FSL 245' FWL	1720'	36°40'05.30'N 35°40'05,47'N 35.66813782 35.66818750		1796719 1765118	243924 243949	50' FNL 330' FWL	35°41'47.23"N 35°41'47.41"N 35.69645234 35.69660153	98°41'02,79°W 98°41'04,08°W -98,68410892 -98,68446636	1796861 1765260	254230 254255	1722



5. UNIT PETROLEUM 5. UNIT PETROLEUN MCNEILL 1 660' FNL - 660' FEL LAT: 35'41'41.43'N LON: 38'40'10.47'W LAT: 35.69484067 t ON: -98 65957477 LON: -(18.6615) X: 1801173 Y: 253613 (NOT FOUND)

6. UNIT PETROLEUM 6. ONLY PETROLEOM MCNEILL 5-15 2000' FNL - 2000' FEL LAT: 35°41'28.10'N LON: 98°40'26.86'V LAT: 35.69113942 ON-98 67412644 X: 1799812 V: 252275 (NOT FOUND)

7. UNIT PETROLEUM MCNEILL 3 1320' FSL - 660' FEL LAT: 35'41'08.64' N LON: 93'40'10.82' W AT: 35.68573295 LAT. 55.65073295 LON: -98.66967108 X: 1901121 Y: 250298 (NOT FOUND)

8. UNIT PETROLEUM MCNEILL 7-15 700' FSL - 2007' FEL LAT: 35''41'02.46'N LON: 98''40'27.21'W LAT: 35.68'40'1803 LON: 98''71'24'1803 LON: -93.67422491 X: 1799764 Y: 249853 (NOT FOUND)

9. UNIT PETROLEUM MCNEILL 2 1320' FNL - 1320' FEL LAT: 35'40'42.51'N LON: 98'40'18.98'W LAT: 35.67647445 LON: 98'445'98 LON: -98.67 193786 X: 1800430 (NOT FOUND)

10. HOME PETROLEUM MCNEIL 2 1320' FSL - 1320' FEL LAT: 35'40' I6.35'N LON: 98' 40' 19.02' W LAT: 35.67' 120839 LON: 98' 57' 120839 ON: -98.67195047 X: 1800408 Y: 245016 NOT FOUND)

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.

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.

Please note that this focation 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 Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

survey and plat by,

Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348 Expires August 31, 2018

Date Staked : 07/26/16 By: C.K. Date Drawn: 07/28/16 By: J.H.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS

08/01/16 **OK LPLS 1664** 

