

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

API NUMBER: 011 23733

Approval Date: 01/27/2017  
Expiration Date: 07/27/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 15N Rge: 12W County: BLAINE  
SPOT LOCATION:     FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 330 700

Lease Name: MACDONALDS QUARTER Well No: 1-18H Well will be 330 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

JOHNNY FRANCE  
561 SUNSET DRIVE  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	11908	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 576904

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700336

Special Orders:

Total Depth: 17424

Ground Elevation: 1754

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

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

PERMIT NO: 17-32049

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 18 Twp 15N Rge 12W County BLAINE

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11592

Radius of Turn: 477

Direction: 1

Total Length: 5083

Measured Total Depth: 17424

True Vertical Depth: 11908

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

Notes:

Category

Description

DEEP SURFACE CASING

1/23/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/23/2017 - 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/](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

INTERMEDIATE CASING

1/23/2017 - 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

1/23/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201700336

1/26/2017 - G75 - (E.O.) 18-15N-12W  
X576904 MSSLM, OTHERS  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL  
CONTINENTAL RESOURCES, INC.  
REC 1-27-2017 (P. PORTER)

SPACING - 576904

1/26/2017 - G75 - (640) 18-15N-12W  
EXT OTHERS  
EST MSSLM, OTHERS

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.

011 23733 MACDONALDS QUARTER 1-18H



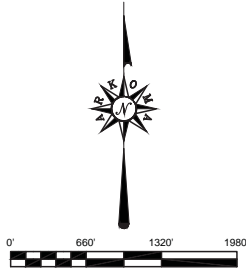
# Well Location Plat

EXHIBIT "A"  
S.H.L. Sec. 19-15N-12W I.M.  
B.H.L. Sec. 18-15N-12W I.M.  
BLAINE COUNTY

Operator : CONTINENTAL RESOURCES, INC.

API 011-23733

LEASE NAME	SHL	NAT. GR. ELEV.	LATITUDE	LONGITUDE	EASTING	NORTHING	BHL	LATITUDE	LONGITUDE	EASTING	NORTHING	DESIGN ELEV.
A. MACDONALDS QUARTER #1-18H	330' FNL 700' FEL	1754.0'	35°46'03.72"N 35°46'03.89"N 35.76770094 35.76774700	98°30'36.85"W 98°30'38.12"W -98.51023725 -98.51058973	1848626 1817025	279847 279871	50' FNL 660' FEL	35°46'58.59"N 35°46'58.76"N 35.78294188 35.78298756	98°30'36.42"W 98°30'37.69"W -98.51011714 -98.51046994	1849691 1817090	285394 285419	1750.46'



GPS DATUM  
NAD - 27  
NAD - 83  
OK NORTH ZONE

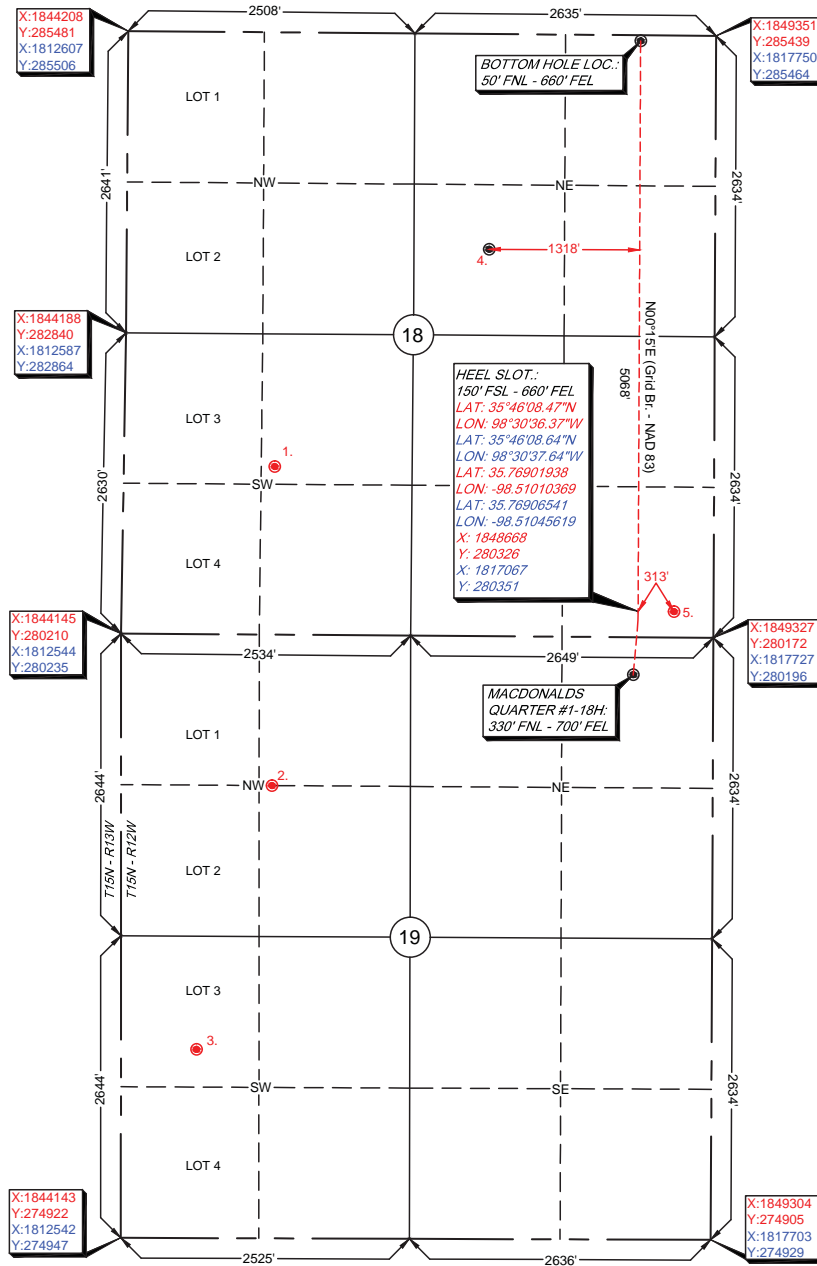
1. ARROW OIL & GAS  
EDNA #1  
1467' FSL - 1317' FWL  
LAT: 35°46'21.96"N  
LON: 98°31'15.07"W  
LAT: 35.77265686  
LON: -98.52085196  
X: 1845487  
Y: 281667  
OCC STATUS: PA  
TVD: 10.800'

2. MAY PETROLEUM  
GARVEY #1  
1321' FNL - 1320' FWL  
LAT: 35°45'53.98"N  
LON: 98°31'15.15"W  
LAT: 35.76498547  
LON: -98.52087631  
X: 1845464  
Y: 278879  
OCC STATUS: PA  
TVD: 10.870'

3. CHESAPEAKE OP.  
RUTH #1-19  
1650' FSL - 660' FWL  
LAT: 35°45'31.11"N  
LON: 98°31'23.03"W  
LAT: 35.75864205  
LON: -98.52306262  
X: 1844803  
Y: 276570  
OCC STATUS: AC  
TVD: 10.930'

4. CONOCOPHILLS  
GARVEY A #1  
1883' FNL - 1978' FEL  
LAT: 35°46'40.50"N  
LON: 98°30'52.40"W  
LAT: 35.77791601  
LON: -98.51455535  
X: 1847365  
Y: 283572  
OCC STATUS: PA  
TVD: -

5. CONTINENTAL  
LENARD #1-18H  
228' FSL - 347' FEL  
LAT: 35°46'09.23"N  
LON: 98°30'32.58"W  
LAT: 35.76923051  
LON: -98.50905004  
X: 1848981  
Y: 280402  
OCC STATUS: AC  
TVD: 17.400'



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.

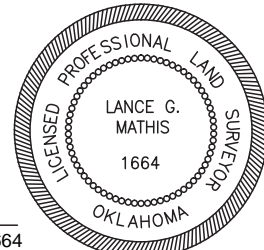
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

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 June 30, 2018

### 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*  
LANCE G. MATHIS  
01/13/17  
OK LPLS 1664



Invoice #6445  
Date Staked : 01/12/17 By : C.K.  
Date Drawn : 01/13/17 By : J.H.