

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

API NUMBER: 051 24039

Approval Date: 05/19/2016

Expiration Date: 11/19/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 5N Rge: 6W

County: GRADY

SPOT LOCATION: NW NW NE NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 215 1214

Lease Name: FIREFLY

Well No: 1-6-7XH

Well will be 215 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349000; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

MICHAEL L. GEARHART
P.O. BOX 2183
CHICKASHA OK 73023

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

Name	Depth	Name	Depth
1 WOODFORD	16387	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 641070
642694
641954

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601591
201601590

Special Orders:

Total Depth: 23900

Ground Elevation: 1186

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 490

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 16-31259

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: 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? N
Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3

Pit Location is NON HSA
Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 07 Twp 5N Rge 6W County GRADY
Spot Location of End Point: C E2 W2 E2
Feet From: NORTH 1/4 Section Line: 2640
Feet From: EAST 1/4 Section Line: 1650
Depth of Deviation: 15923
Radius of Turn: 478
Direction: 185
Total Length: 7226
Measured Total Depth: 23900
True Vertical Depth: 16531
End Point Location from Lease,
Unit, or Property Line: 1650

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201601590.

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
PENDING CD - 201601591	5/18/2016 - G75 - (I.O.) 6 & 7-5N-6W X641070/641954 WDFD, OTHERS 6-5N-6W X642694 WDFD, OTHERS 7-5N-6W SHL (6-5N-6W) 215 FNL, 1214 FEL COMPL. INT. (6-5N-6W) NCT 150 FNL, NCT 0 FSL, NCT 330 FEL COMPL. INT. (7-5N-6W) NCT 0 FNL, NCT 2640 FNL, NCT 330 FEL CONTINENTAL RESOURCES, INC. REC 5-16-2016 (M. PORTER)
SPACING - 641070	5/18/2016 - G75 - (640) 6-5N-6W EXT 607531 WDFD, OTHERS EST OTHERS
SPACING - 641954	5/18/2016 - G75 - NPT 641070 TO EST WDFD, OTHERS
SPACING - 642694	5/18/2016 - G75 - (640) 7-5N-6W EXT OTHERS EST WDFD, OTHERS

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



Well Location Plat

Operator: CONTINENTAL RESOURCES, INC.

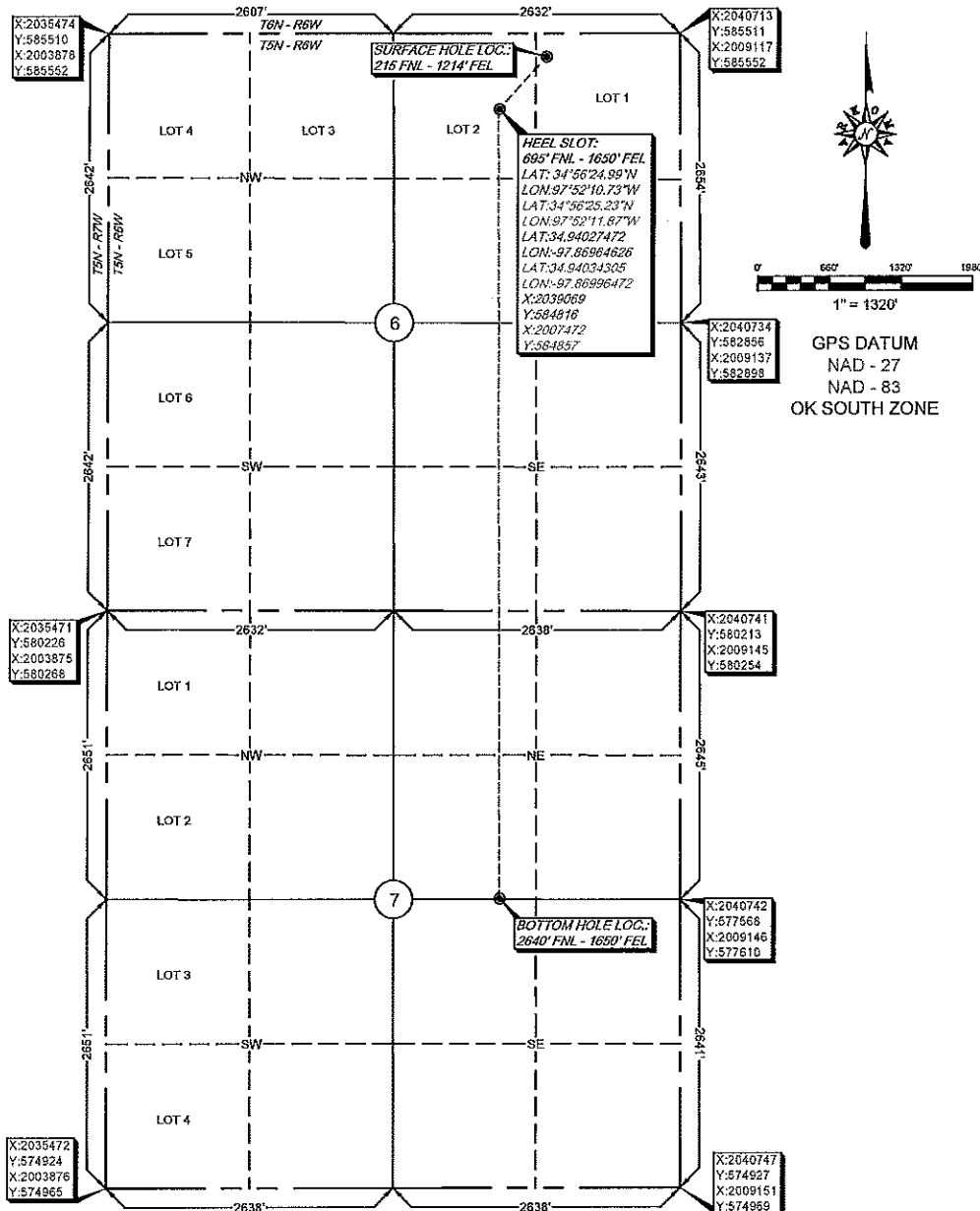
API 051-24039

EXHIBIT "A"
S.H.L. Sec. 6-5N-6W I.M.
B.H.L. Sec. 7-5N-6W I.M.
GRADY COUNTY

LEASE NAME	SHL	NAT. GR. ELEV.	LATITUDE	LONGITUDE	EASTING	NORTHING	BHL	LATITUDE	LONGITUDE	EASTING	NORTHING	DESIGN ELEV.	
1. FIREFLY #1-6-7XH	215' FNL 1214' FEL	1185'	34°56'29.73"N	97°52'05.53"W	2039501	585296	2040' FNL	34°55'13.39"N	97°52'10.56"W	2039002	577577	1187'	
			34°56'29.98"N	87°52'06.67"W	2007905	585337	1650' FEL	34°55'13.64"N	97°52'11.70"W	2007496	577619		
			34.94159214	-97.86820152				34.92038571	-97.86958861				
			34.94162044	-97.86852007				34.92045456	-97.86991669				

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 & Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

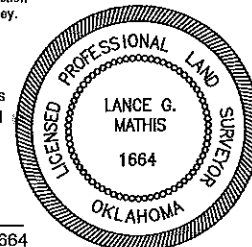


Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

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, 2016

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 04/14/16
OK LPLS 1664



Invoice #5660-B
Date Staked: 04/08/16 By: C.K.
Date Drawn: 04/12/16 By: J.H.