

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

API NUMBER: 051 24077

Approval Date: 11/02/2016  
Expiration Date: 05/02/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 5N Rge: 6W

County: GRADY

SPOT LOCATION:  NW  SE  NE  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 833 2157

Lease Name: GRISWOLD

Well No: 1-31-6XH

Well will be 833 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

KAREN STEPHENS  
PO BOX 7  
NINNEKAH OK 73067

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	15695	6	
2 WOODFORD	15969	7	
3 HUNTON	16189	8	
4		9	
5		10	

Spacing Orders: 194736  
646711  
195323  
647107

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604467  
201604469

Special Orders:

Total Depth: 25468

Ground Elevation: 1194

**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: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2500

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: DOG CREEK

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

PERMIT NO: 16-31722

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: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 250000
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: DOG CREEK

HORIZONTAL HOLE 1

Sec 06 Twp 4N Rge 6W County GRADY
Spot Location of End Point: S2 SW SW SE
Feet From: SOUTH 1/4 Section Line: 150
Feet From: EAST 1/4 Section Line: 2310
Depth of Deviation: 15619
Radius of Turn: 490
Direction: 173
Total Length: 9079
Measured Total Depth: 25468
True Vertical Depth: 16189
End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201604467.

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 - 201604469	10/20/2016 - G64 - (I.O.) 31-5N-6W & 6-4N-6W X646711 MSSP, WDFD (31-5N-6W) X194736 HNTN (31-5N-6W) X647107 MSSP, WDFD (6-4N-6W) X195323 HNTN (6-4N-6W) SHL (31-5N-6W) 833' FNL, 2157' FWL COMPL. INT. (31-5N-6W) NCT 150' FNL, NCT 0' FSL, NCT 1320' FWL COMPL. INT. (6-4N-6W) NCT 0' FNL, NCT 150' FSL, NCT 1320' FWL NO OP. NAMED REC. 10-31-2016 (NORRIS)
SPACING - 194736	10/20/2016 - G64 - (640) 31-5N-6W EXT 179365 CSTR, HNTN, OTHERS (VAC CSTR BY 646711)
SPACING - 195323	10/20/2016 - G64 - (640) 6-4N-6W EXT 155271 CSTR, HNTN, OTHERS (VAC CSTR BY 647107)
SPACING - 646711	10/20/2016 - G64 - (640) 31-5N-6W VAC OTHER VAC 194736 CSTR, OTHERS EXT 399254 WDFD, OTHERS EXT OTHER EST MSSP, OTHERS EST OTHERS (HOR)
SPACING - 647107	10/20/2016 - G64 - (640) 6-4N-6W VAC OTHER VAC 195323 CSTR, OTHERS EXT 441685 WDFD EST MSSP, OTHER

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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.

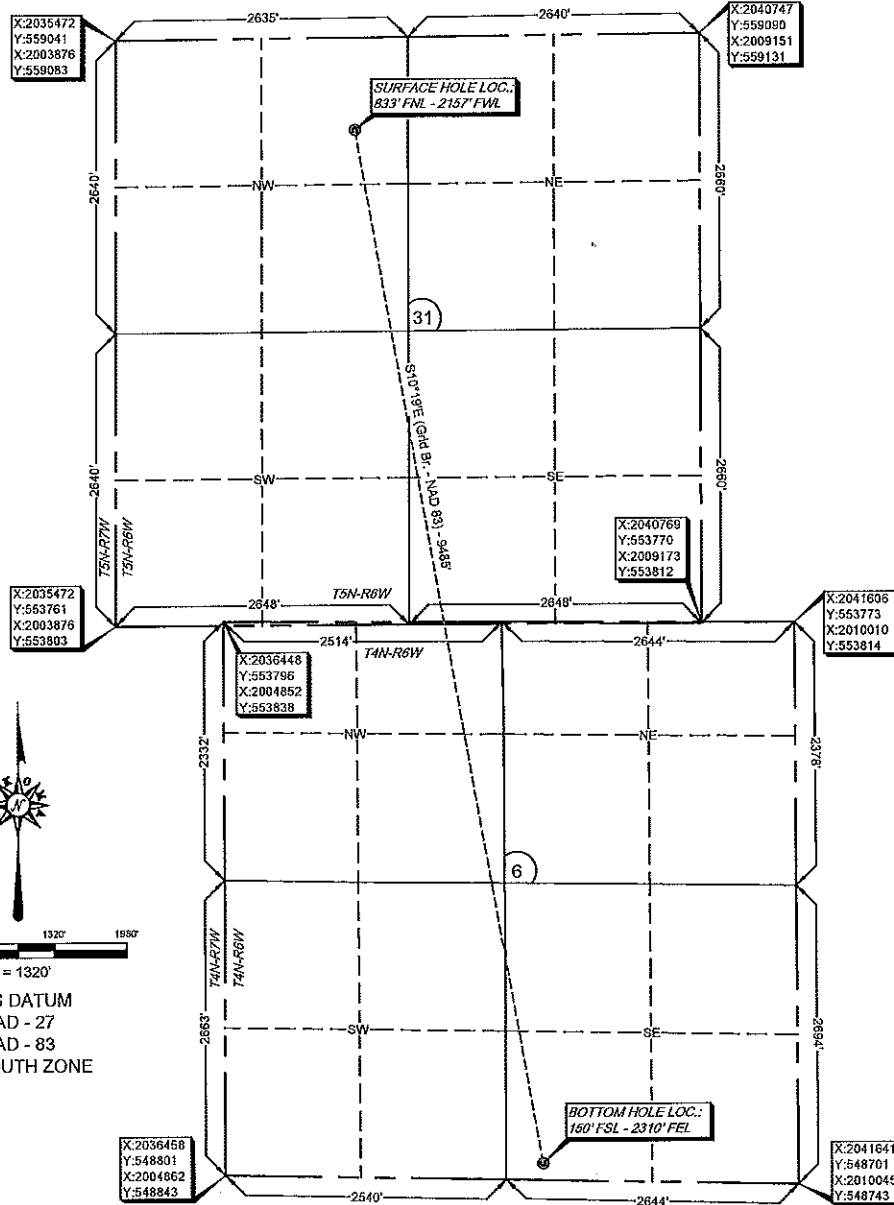


# Well Location Plat

Operator: CONTINENTAL RESOURCES, INC.

EXHIBIT "A"  
S.H.L. Sec. 31-5N-6W I.M.  
B.H.L. Sec. 6-4N-6W I.M.  
GRADY COUNTY

LEASE NAME	SHL	NAT. GR. ELEV.	LATITUDE	LONGITUDE	EASTING	NORTHING	BHL	LATITUDE	LONGITUDE	EASTING	NORTHING	DESIGN ELEV.	
A. GRISWOLD #1-31-6XH	833' FNL. 2157' FWL	1192'	34°52'02.01"N	97°52'28.41"W	2037629	558228	150' FSL	34°50'29.66"N	97°52'03.16"W	2039329	548898	1194'	
			34°52'02.26"N	97°52'29.55"W	2006033	558289	2310' FEL	34°50'29.84"N	97°52'09.30"W	2007733	548937		
			34.66722512	-97.87455869			34.84157780	-97.86893203					
			34.66729541	-97.87487600				34.84164856	-97.86924682				



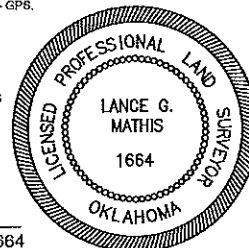
Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.  
NOTE: X and Y data shown hereon for 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 August 31, 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.



Invoice #6598  
Date Staked: 09/14/16 By: C.K.  
Date Drawn: 09/15/16 By: J.H.

*Lance G. Mathis*  
LANCE G. MATHIS 09/28/16  
OK LPLS 1664