

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

API NUMBER: 051 24368

Approval Date: 05/23/2018

Expiration Date: 11/23/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 8N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 297 800

Lease Name: ABRAHAM

Well No: 1-14-11XHM

Well will be 297 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

DWAYNE AND JUHRETTA ROARK, TTEES
PO BOX 443
CHEYENNE OK 73628

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

	Name	Depth	Name	Depth
1	SPRINGER	11971	6	
2	MISSISSIPPIAN	12987	7	
3	WOODFORD	13111	8	
4			9	
5			10	

Spacing Orders: 629010

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803775
201803776
201803777

Special Orders:

Total Depth: 22999

Ground Elevation: 1191

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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: 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: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

PERMIT NO: 18-34525

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 11 Twp 8N Rge 7W County GRADY

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: 12040

Radius of Turn: 477

Direction: 3

Total Length: 10210

Measured Total Depth: 22999

True Vertical Depth: 13111

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

Notes:

Category

Description

DEEP SURFACE CASING

5/15/2018 - 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

5/15/2018 - 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

MEMO

5/15/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201803775

5/17/2018 - G58 - (E.O.)(640) 11-8N-7W
VAC 85670 GDRD, OTHERS
VAC OTHER
EXT 629010 MSSP, WDFD, OTHERS
REC 5/23/2018 (NORRIS)

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

051 24368 ABRAHAM 1-14-11XHM

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 - 201803776	5/17/2018 - G58 - (E.O.) 11 & 14-8N-7W EST MULTIUNIT HORIZONTAL WELL X85670 SPRG (11 & 14-8N-7W) X201803775 MSSP, WDFD (11-8N-7W) X629010 MSSP, WDFD (14-8N-7W) SHL 297' FSL, 800' FEL OF 14-8N-7W 50% 11-8N-7W 50% 14-8N-7W NO OP. NAMED REC 5/23/2018 (NORRIS)
PENDING CD - 201803777	5/17/2018 - G58 - (E.O.) 11 & 14-8N-7W X85670 SPRG (11 & 14-8N-7W) X201803775 MSSP, WDFD (11-8N-7W) X629010 MSSP, WDFD (14-8N-7W) SHL 297' FSL, 800' FEL OF 14-8N-7W COMPL. INT. (14-8N-7W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (11-8N-7W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 5/23/2018 (NORRIS)
SPACING - 629010	5/17/2018 - G58 - (640) 14-8N-7W VAC 85670 GDRD, OTHERS VAC OTHER EXT 621647 MSSP, WDFD, OTHERS

EXHIBIT: A (1 of 2)
 SHEET: 8.5x11
 SHL: 14-8N-7W
 BHL-1 11-8N-7W



051-24368

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 14 Township 8N Range 7W I.M. Well: ABRAHAM 1-14-11XHM
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	ABRAHAM 1-14-11XHM	665179	1997761	35° 09' 39.80" -97° 54' 07.59"	35.161056 -97.902108	297' FSL / 800' FEL (SE/4 SEC 14)	1192.08'	1191.48'
LP-1	LANDING POINT	665180	1998231	35° 09' 39.80" -97° 54' 01.93"	35.161056 -97.900536	297' FSL / 330' FEL (SE/4 SEC 14)	--	--
BHL-1	BOTTOM HOLE LOCATION	675360	1998229	35° 11' 20.79" -97° 54' 01.82"	35.189109 -97.900507	50' FNL / 330' FEL (NE/4 SEC 11)	--	--
X-1	FLORENCE KEMP #1	669453	1995104	35° 10' 22.10" -97° 54' 39.54"	35.172806 -97.910983	14-08N-07W:NE4SW4NE4 TD: UNKNOWN 1,930' FSL / 1,830' FWL	--	--

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	ABRAHAM 1-14-11XHM	665137	2029358	35° 09' 39.57" -97° 54' 06.43"	35.160993 -97.901786	297' FSL / 800' FEL (SE/4 SEC 14)	1192.08'	1191.48'
LP-1	LANDING POINT	665138	2029826	35° 09' 39.57" -97° 54' 00.77"	35.160993 -97.900214	297' FSL / 330' FEL (SE/4 SEC 14)	--	--
BHL-1	BOTTOM HOLE LOCATION	675348	2029826	35° 11' 20.57" -97° 54' 00.66"	35.189046 -97.900184	50' FNL / 330' FEL (NE/4 SEC 11)	--	--
X-1	FLORENCE KEMP #1	669411	2026701	35° 10' 21.87" -97° 54' 38.38"	35.172743 -97.910860	14-08N-07W:NE4SW4NE4 TD: UNKNOWN 1,930' FSL / 1,830' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 04-24-18
 Date Drawn: 04-25-18



Prepared By:
 Petro Land Services South
 10400 Vineyard Blvd.
 Suite C
 Oklahoma City, OK 73120

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	04-25-18	TJW	ISSUED FOR APPROVAL	--
01	05-02-18	TJW	REV CALLOUT FOR BHL	REV. EXHIBIT A1

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 14-8N-7W
BHL-1 11-8N-7W

PETRO LAND SERVICES SOUTH, LLC

10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



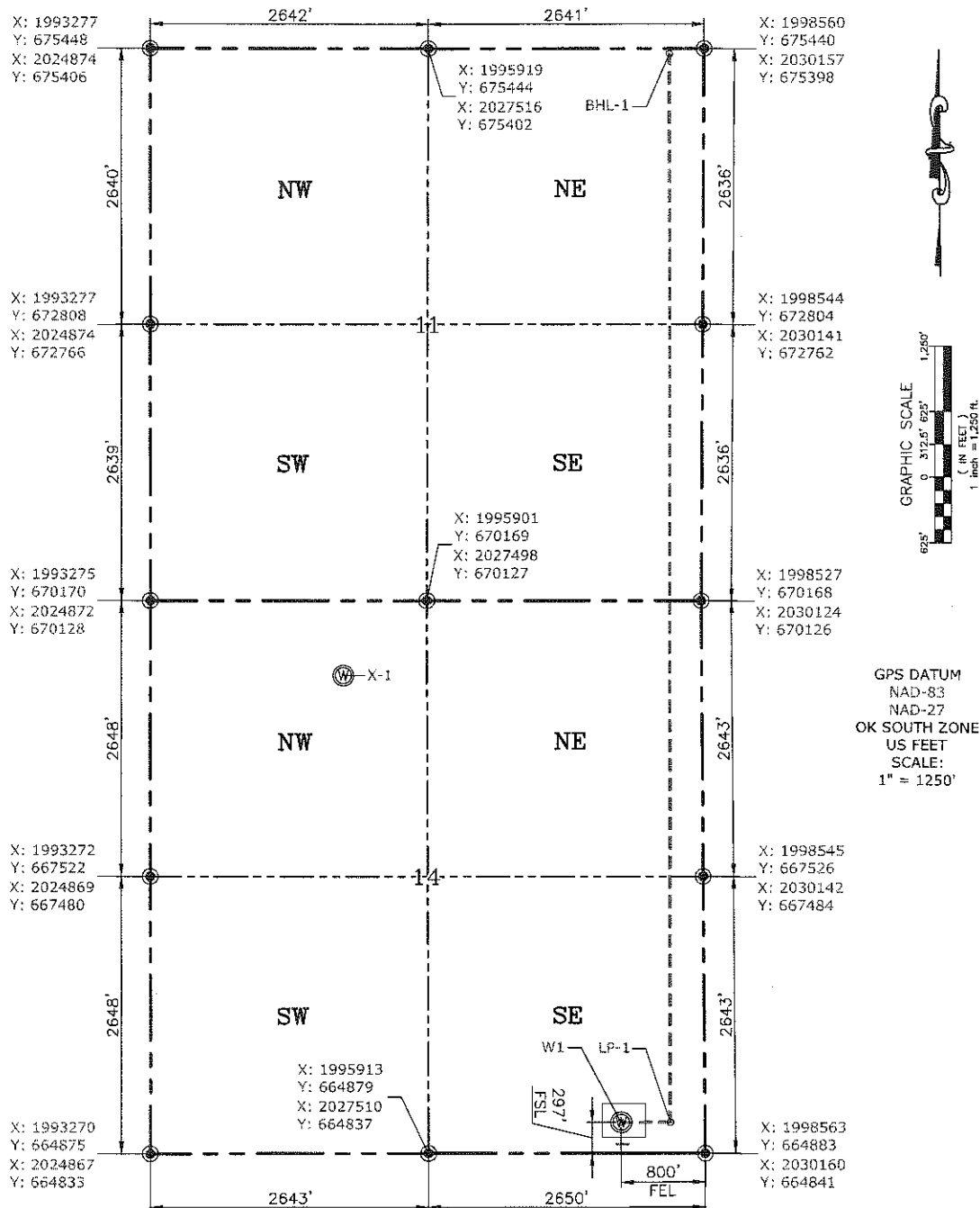
CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

297' FSL-800' FEL Section 14 Township 8N Range 7W I.M.

WELL: ABRAHAM
1-14-11XHM



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.

Date Staked: 04-24-18
Date Drawn: 04-25-18

CURRENT REV.: 0



CERTIFICATE:

I, RANDALL J. BILYEU an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

Randall J. Bilyeu

Oklahoma PLS No.1196 DATE