

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

API NUMBER: 051 24449

Approval Date: 08/23/2018

Expiration Date: 02/23/2019

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 8N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ SE ☐ NW ☐ NE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2200 711

Lease Name: ELMER

Well No: 1-3-34XHM

Well will be 711 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

BILL ELMER TTEE ELMER REV TRUST  
P.O. BOX 91853  
HENDERSON NV 89009

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12566	6	
2	WOODFORD	12766	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805953  
201805952  
201805954  
201805955

Special Orders:

Total Depth: 20755

Ground Elevation: 1186

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

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: 18-35153

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 34 Twp 9N 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: 12173

Radius of Turn: 488

Direction: 2

Total Length: 7816

Measured Total Depth: 20755

True Vertical Depth: 12766

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

8/9/2018 - 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

8/9/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### MEMO

8/9/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201805952

8/20/2018 - G57 - (E.O.)(640) 3-8N-7W  
VAC 160440 MSSLM  
EXT 650938 MSSP, WDFD, OTHERS  
REC 8-21-2018 (DENTON)

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

051 24449 ELMER 1-3-34XHM

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 - 201805953	8/20/2018 - G57 - (E.O.)(640) 34-9N-7W VAC OTHER VAC 15390 MSSLM, OTHERS EXT 650938 MSSP, WDFD REC 8-21-2018 (DENTON)
PENDING CD - 201805954	8/20/2018 - G57 - (E.O.) 3-8N-7W, 34-9N-7W EST MULTIUNIT HORIZONTAL WELL X201805953 MSSP, WDFD 34-9N-7W X201805952 MSSP, WDFD 3-8N-7W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSSP) 35% 3-8N-7W 65% 34-9N-7W CONTINENTAL RESOURCES, INC. REC 8-21-2018 (DENTON)
PENDING CD - 201805955	8/20/2018 - G57 - (E.O.) 3-8N-7W, 34-9N-7W X201805953 MSSP, WDFD 34-9N-7W X201805952 MSSP, WDFD 3-8N-7W SHL (3-8N-7W) NCT 2200' FSL, NCT 700' FEL COMPL. INT. (3-8N-7W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (34-9N-7W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 8-21-2018 (DENTON)

EXHIBIT: A (1 of 2)  
 SHEET: 8.5x11  
 SHL: 3-8N-7W  
 BHL-1 34-9N-7W



## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 3 Township 8N Range 7W I.M.

Well: ELMER 1-3-34XHM

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	ELMER 1-3-34XHM	677646	1992568	35° 11' 43.16" -97° 55' 10.00"	35.195321 -97.919446	2200' FSL / 711' FEL (SE/4 SEC 3)	1184.25	1185.90
LP-1	LANDING POINT	677891	1992569	35° 11' 45.58" -97° 55' 10.00"	35.195994 -97.919444	2445' FSL / 711' FEL (SE/4 SEC 3)	--	--
BHL-1	BOTTOM HOLE LOCATION	685917	1992579	35° 13' 04.96" -97° 55' 09.79"	35.218044 -97.919387	50' FNL / 330' FEL (NE/4 SEC 34)	--	--

#### NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	ELMER 1-3-34XHM	677604	2024165	35° 11' 42.93" -97° 55' 08.84"	35.195258 -97.919123	2200' FSL / 711' FEL (SE/4 SEC 3)	1184.25	1185.90
LP-1	LANDING POINT	677849	2024166	35° 11' 45.35" -97° 55' 08.84"	35.195932 -97.919121	2445' FSL / 711' FEL (SE/4 SEC 3)	--	--
BHL-1	BOTTOM HOLE LOCATION	685875	2024176	35° 13' 04.73" -97° 55' 08.63"	35.217982 -97.919064	50' FNL / 330' FEL (NE/4 SEC 34)	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--18  
 Date Drawn: 08-06-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-06-18	MJL	ISSUED FOR APPROVAL	--

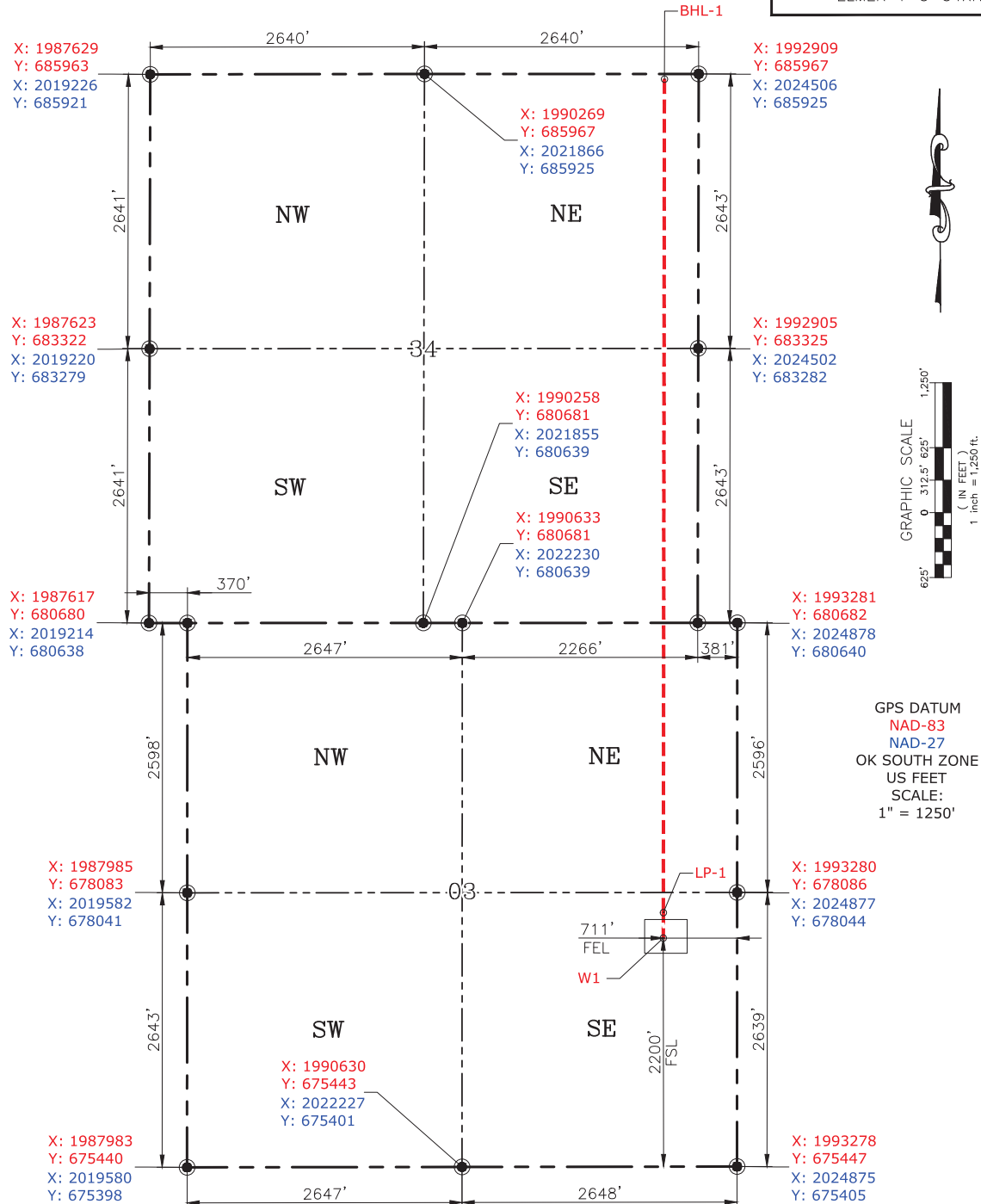
EXHIBIT: A (2 of 2)SHEET: 8.5x14SHL: 3-8N-7WBHL-1 34-9N-7W**PETRO LAND SERVICES SOUTH, LLC**10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

GRADY

County Oklahoma

2200' FSL-711' FEL Section 3 Township 8N Range 7W I.M.

WELL: ELMER 1-3-34XHM



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: \*\*--\*\*--18  
Date Drawn: 08-06-18

CURRENT REV.: 0

*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE

**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.