

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

API NUMBER: 051 24429

Approval Date: 07/27/2018

Expiration Date: 01/27/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 2410

Lease Name: STEELMAN

Well No: 2-18-7XHS

Well will be 300 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

GRADY DRAKE STAMPS REV. TRUST
P.O. BOX 614
TUTTLE OK 73089

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

| | Name | Depth | Name | Depth |
|---|---------------|-------|------|-------|
| 1 | SPRINGER | 12734 | 6 | |
| 2 | MISSISSIPPIAN | 13934 | 7 | |
| 3 | | | 8 | |
| 4 | | | 9 | |
| 5 | | | 10 | |

Spacing Orders: 107496
172459
623766

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803530
201803531

Special Orders:

Total Depth: 22876

Ground Elevation: 1182

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 530

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? Y

Wellhead Protection Area? Y

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: DOG CREEK

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

PERMIT NO: 18-34978

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? Y

Wellhead Protection Area? Y

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: DOG CREEK

HORIZONTAL HOLE 1

Sec 07 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 12568

Radius of Turn: 382

Direction: 354

Total Length: 9708

Measured Total Depth: 22876

True Vertical Depth: 13934

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/27/2018 - 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

7/27/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201803530

7/27/2018 - G75 - (I.O.) 18 & 7-7N-6W
EST MULTIUNIT HORIZONTAL WELL
X107496 SPRG 18-7N-6W
X172459 SPRG 7-7N-6W
X623766 MSSP 18 & 7-7N-6W
(MSSP ADJACENT COMMON SOURCE OF SUPPLY TO SPRG)
50% 18-7N-6W
50% 7-7N-6W
CONTINENTAL RESOURCES, INC.
REC 5-29-2018 (JACKSON)

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

051 24429 STEELMAN 2-18-7XHS

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 - 201803531 | 7/27/2018 - G75 - (I.O.) 18 & 7-7N-6W X107496 SPRG 18-7N-6W X172459 SPRG 7-7N-6W X623766 MSSP 18 & 7-7N-6W COMPL. INT. (18-7N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (7-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL CONTINENTAL RESOURCES, INC. REC 5-29-2018 (JACKSON) |
| PUBLIC WATER SUPPLY WELLS | 7/27/2018 - G71 - GRADY CO. RWD # 2, 2 PWS/WPA, NW4 18-7N-6W |
| SPACING - 107496 | 7/27/2018 - G75 - (640) 18-7N-6W EXT OTHER EXT 75509 SPRG, OTHERS |
| SPACING - 172459 | 7/27/2018 - G75 - (640) 7 & 18-7N-6W VAC OTHERS EXT OTHERS EXT 75509/164772 SPRG, OTHERS 7-7N-6W EXT 151109/163257 MSSLM (VAC BY 623766), OTHER 7 & 18-7N-6W |
| SPACING - 623766 | 7/27/2018 - G75 - (640) 7 & 18-7N-6W VAC OTHER VAC 172459 MSSLM EXT OTHERS EST MSSP |

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.

EXHIBIT: A (1 of 3)
SHEET: 8.5x14
SHL: 18-07N-06W
BHL-2 07-07N-06W
BHL-3 07-07N-06W



API 051-24429

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 18 Township 07N Range 06W I.M.

Well: STEELMAN 2-18-7XHS

County GRADY State OK

Well: STEELMAN 3-18-7XHS

Operator CONTINENTAL RESOURCES, INC.

| NAD-83 | | | | | | | |
|--------|----------------------|----------|---------|-----------------------------------|-------------------------|---|---------------------|
| POINT | WELL NAME | NORTHING | EASTING | LATITUDE LONGITUDE | LATITUDE LONGITUDE | EXISTING ELEVATION | DESIGN ELEVATION |
| W2 | STEELMAN 2-18-7XHS | 633464 | 2006656 | 35° 04' 26.02" -97° 52' 20.94" | 35.073894 -97.872483 | 300' FSL / 2410' FEL (SE/4 SEC 18) | 1181.56 1182.17 |
| LP-2 | LANDING POINT | 633463 | 2005824 | 35° 04' 26.02" -97° 52' 30.95" | 35.073896 -97.875264 | 300' FSL / 1980' FWL (SW/4 SEC 18) | -- -- |
| BHL-2 | BOTTOM HOLE LOCATION | 643688 | 2005819 | 35° 06' 07.16" -97° 52' 30.86" | 35.101988 -97.875239 | 50' FNL / 1980' FWL (NW/4 SEC 07) | -- -- |
| W3 | STEELMAN 3-18-7XHS | 633494 | 2006656 | 35° 04' 26.32" -97° 52' 20.94" | 35.073976 -97.872483 | 330' FSL / 2410' FEL (SE/4 SEC 18) | 1181.16 1182.17 |
| LP-3 | LANDING POINT | 633494 | 2007086 | 35° 04' 26.31" -97° 52' 15.76" | 35.073976 -97.871045 | 330' FSL / 1980' FEL (SE/4 SEC 18) | -- -- |
| BHL-3 | BOTTOM HOLE LOCATION | 643686 | 2007033 | 35° 06' 07.12" -97° 52' 16.25" | 35.101978 -97.871181 | 50' FNL / 1980' FEL (NE/4 SEC 07) | -- -- |
| X-1 | SURBER #1-7 | 640431 | 2005159 | 35° 05' 34.95" -97° 52' 38.85" | 35.093041 -97.877459 | 7-7N-6W-N2SW4 TD: 8,080' 1,980' FSL / 1,320' FWL | -- -- |
| X-2 | SHIPLEY #18-1 | 637129 | 2007690 | 35° 05' 02.26" -97° 52' 08.44" | 35.083961 -97.869011 | 18-7N-6W-NE4 TD: 15,641' 1,320' FSL / 1,320' FWL | -- -- |
| X-3 | SHIPLEY #18-7 | 637058 | 2007620 | 35° 05' 01.56" -97° 52' 09.29" | 35.083766 -97.869246 | 18-7N-6W-NE4SW4NE4 TD: 8,011' 1,249' FSL / 1,249' FWL | -- -- |
| X-4 | ARCHIE #1-18 | 637115 | 2004350 | 35° 05' 02.16" -97° 52' 48.63" | 35.083934 -97.880174 | 18-7N-6W-NE4NW4SW4NW4 TD: 8,200' 1,335' FNL / 510' FWL | -- -- |
| X-5 | STEELMAN #1-18-7XH | 633385 | 2008367 | 35° 04' 25.21" -97° 52' 00.36" | 35.073670 -97.866767 | 18-7N-6W-SE4SW4SE4 TD: 24,158' 220' FSL / 700' FEL | -- -- |

| NAD-27 | | | | | | | |
|--------|----------------------|----------|---------|-----------------------------------|-------------------------|---|---------------------|
| POINT | WELL NAME | NORTHING | EASTING | LATITUDE LONGITUDE | LATITUDE LONGITUDE | EXISTING ELEVATION | DESIGN ELEVATION |
| W2 | STEELMAN 2-18-7XHS | 633422 | 2038253 | 35° 04' 25.78" -97° 52' 19.78" | 35.073829 -97.872162 | 300' FSL / 2410' FEL (SE/4 SEC 18) | 1181.56 1182.17 |
| LP-2 | LANDING POINT | 633422 | 2037421 | 35° 04' 25.79" -97° 52' 29.80" | 35.073831 -97.874944 | 300' FSL / 1980' FWL (SW/4 SEC 18) | -- -- |
| BHL-2 | BOTTOM HOLE LOCATION | 643646 | 2037416 | 35° 06' 06.92" -97° 52' 29.71" | 35.101923 -97.874919 | 50' FNL / 1980' FWL (NW/4 SEC 07) | -- -- |
| W3 | STEELMAN 3-18-7XHS | 633452 | 2038253 | 35° 04' 26.08" -97° 52' 19.78" | 35.073911 -97.872162 | 330' FSL / 2410' FEL (SE/4 SEC 18) | 1181.16 1182.17 |
| LP-3 | LANDING POINT | 633452 | 2038683 | 35° 04' 26.08" -97° 52' 14.61" | 35.073910 -97.870725 | 330' FSL / 1980' FEL (SE/4 SEC 18) | -- -- |
| BHL-3 | BOTTOM HOLE LOCATION | 643644 | 2038630 | 35° 06' 06.89" -97° 52' 15.10" | 35.101913 -97.870860 | 50' FNL / 1980' FEL (NE/4 SEC 07) | -- -- |
| X-1 | SURBER #1-7 | 640389 | 2036756 | 35° 05' 34.71" -97° 52' 37.70" | 35.092976 -97.877138 | 7-7N-6W-N2SW4 TD: 8,080' 1,980' FSL / 1,320' FWL | -- -- |
| X-2 | SHIPLEY #18-1 | 637087 | 2039287 | 35° 05' 02.02" -97° 52' 07.29" | 35.083896 -97.868690 | 18-7N-6W-NE4 TD: 15,641' 1,320' FSL / 1,320' FWL | -- -- |
| X-3 | SHIPLEY #18-7 | 637016 | 2039217 | 35° 05' 01.32" -97° 52' 08.13" | 35.083701 -97.868926 | 18-7N-6W-NE4SW4NE4 TD: 8,011' 1,249' FSL / 1,249' FWL | -- -- |
| X-4 | ARCHIE #1-18 | 637074 | 2035947 | 35° 05' 01.93" -97° 52' 47.47" | 35.083869 -97.879853 | 18-7N-6W-NE4NW4SW4NW4 TD: 8,200' 1,335' FNL / 510' FWL | -- -- |
| X-5 | STEELMAN #1-18-7XH | 633343 | 2039963 | 35° 04' 24.98" -97° 51' 59.21" | 35.073605 -97.866447 | 18-7N-6W-SE4SW4SE4 TD: 24,158' 220' FSL / 700' FEL | -- -- |

Certificate of Authorization No. 7318

Date Staked: **--**--18
Date Drawn: 07-18-18



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

REVISIONS

| No. | DATE | BY | DESCRIPTION | COMMENTS |
|-----|----------|-----|---------------------|----------|
| 00 | 07-18-18 | MJL | ISSUED FOR APPROVAL | -- |
| | | | | |
| | | | | |
| | | | | |

EXHIBIT: A (2 of 3)
SHEET: 8.5x14
SHL: 18-07N-06W
BHL-2 07-07N-06W

PETRO LAND SERVICES SOUTH, LLC

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



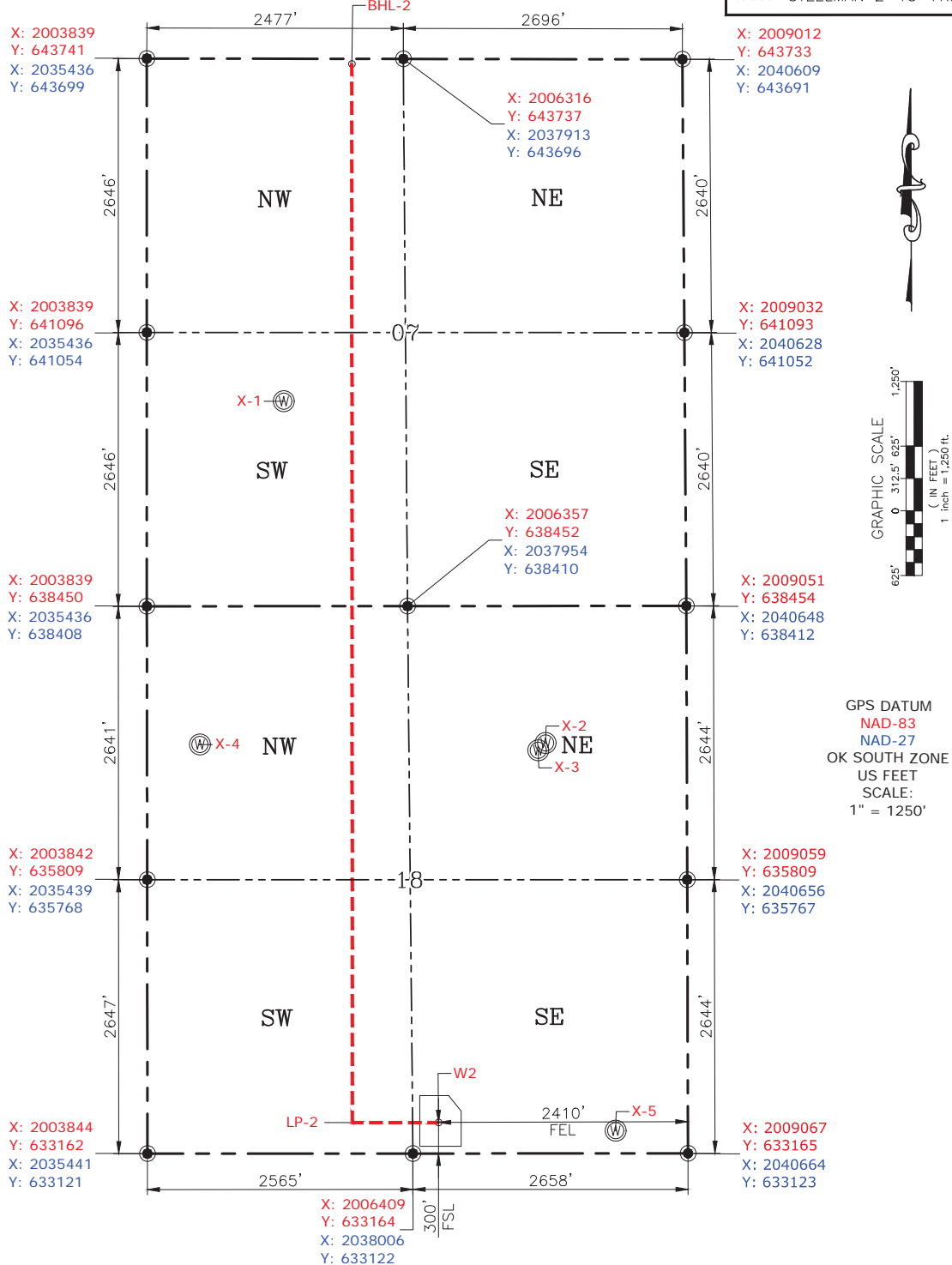
CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

300' FSL-2410' FEL Section 18 Township 07N Range 06W I.M.

WELL: STEELMAN 2-18-7XHS



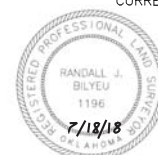
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon 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.

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.

Date Staked: **--**--18
Date Drawn: 07-18-18

CURRENT REV.: 0



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE