

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

API NUMBER: 051 24427

Approval Date: 07/27/2018

Expiration Date: 01/27/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 231 289

Lease Name: STEELMAN

Well No: 4-18-7XHS

Well will be 231 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

PAUL & KAY BROWN
2185 COUNTY STREET 280
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	SPRINGER	12630	6	
2	MISSISSIPPIAN	13830	7	
3			8	
4			9	
5			10	

Spacing Orders: 107496
172459
623766

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803528
201803529
201803534
201803535

Special Orders:

Total Depth: 22773

Ground Elevation: 1173

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

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: 18-35019

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 07 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 12555

Radius of Turn: 382

Direction: 354

Total Length: 9618

Measured Total Depth: 22773

True Vertical Depth: 13830

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

Notes:

Category

Description

DEEP SURFACE CASING

7/27/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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 - 201803528

7/27/2018 - G75 - 7-7N-6W
X172459 SPRG
2 WELLS
CONTINENTAL RESOURCES, INC.
REC 5-29-2018 (JACKSON)

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.

051 24427 STEELMAN 4-18-7XHS

Category	Description
PENDING CD - 201803529	7/27/2018 - G75 - 18-7N-6W X107496 SPRG 2 WELLS CONTINENTAL RESOURCES, INC. REC 5-29-2018 (JACKSON)
PENDING CD - 201803534	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)
PENDING CD - 201803535	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' FEL COMPL. INT. (7-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 5-29-2018 (JACKSON)
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 2)
SHEET: 8.5x11
SHL: 17-7N-6W
BHL-4 7-7N-6W



API 051-24427

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 17 Township 7N Range 6W I.M.

Well: STEELMAN 4-18-7XHS

County GRADY State OK

Well: --

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	STEELMAN 4-18-7XHS	633397	2009356	35° 04' 25.32" -97° 51' 48.46"	35.073701 -97.8663460	231' FSL / 289' FWL (SW/4 SEC 17)	1171.88'	1173.45'
LP-4	LANDING POINT	633396	2008406	35° 04' 25.32" -97° 51' 59.88"	35.073700 -97.866633	231' FSL / 660' FEL (SE/4 SEC 18)	--	--
BHL-4	BOTTOM HOLE LOCATION	643684	2008353	35° 06' 07.08" -97° 52' 00.36"	35.101968 -97.866767	50' FNL / 660' FEL (NE/4 SEC 07)	--	--
X-1	SURBER #1-7	640431	2005159	35° 05' 34.95" -97° 52' 09.29"	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:SE4SW4SE4SE4 TD: 24,158' 220' FSL / 700' FEL	--	--

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	STEELMAN 4-18-7XHS	633355	2040953	35° 04' 25.09" -97° 51' 47.30"	35.073635 -97.8663140	231' FSL / 289' FWL (SW/4 SEC 17)	1171.88'	1173.45'
LP-4	LANDING POINT	633354	2040003	35° 04' 25.09" -97° 51' 58.73"	35.073635 -97.866313	231' FSL / 660' FEL (SE/4 SEC 18)	--	--
BHL-4	BOTTOM HOLE LOCATION	643642	2039950	35° 06' 06.85" -97° 51' 59.21"	35.101903 -97.866447	50' FNL / 660' 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:SE4SW4SE4SE4 TD: 24,158' 220' FSL / 700' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: **--18
Date Drawn: 07-24-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-24-18	HDG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 17-7N-6W
BHL-4 7-7N-6W

PETRO LAND SERVICES SOUTH, LLC

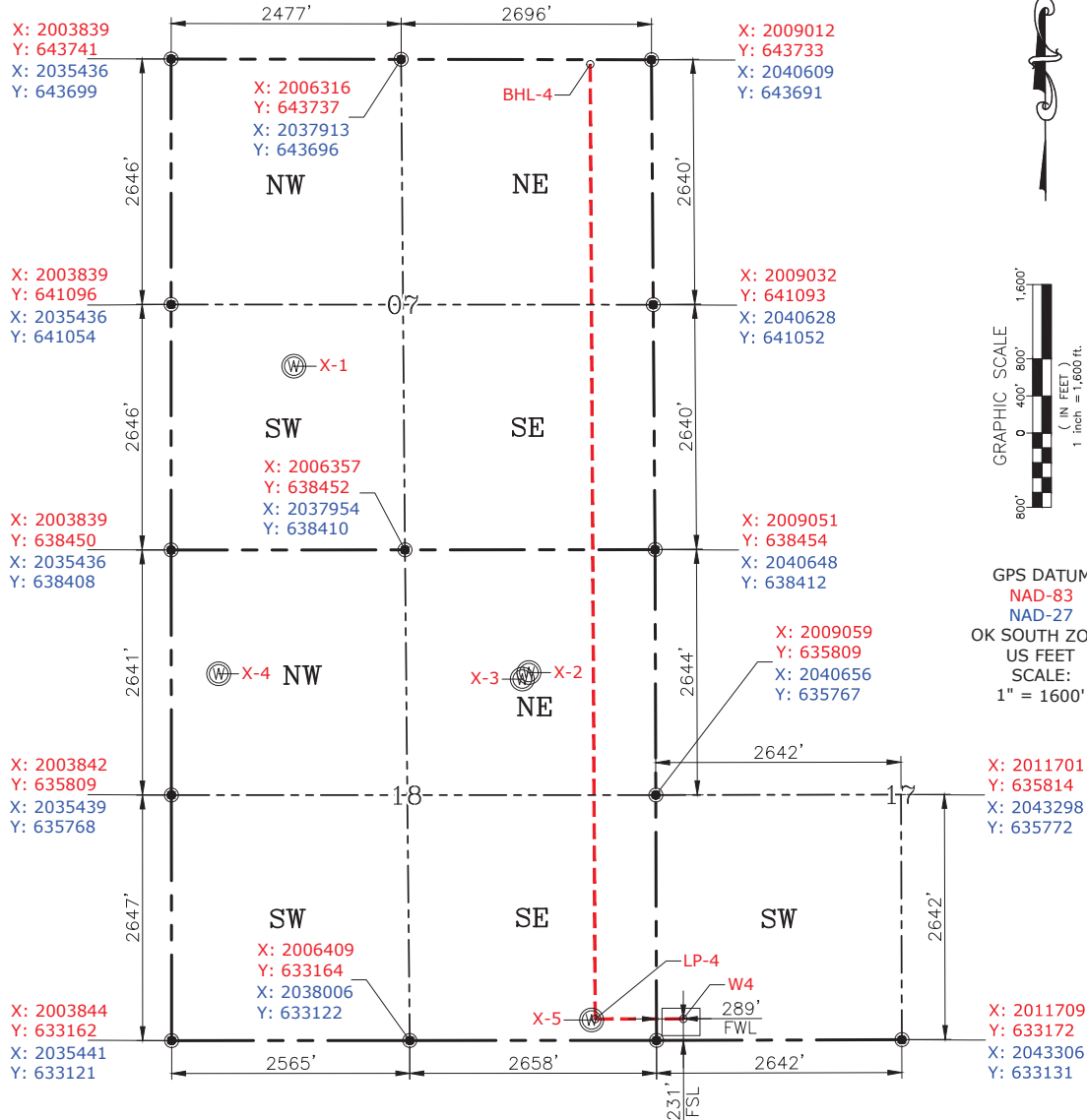
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY County Oklahoma
231' FSL-289' FWL Section 17 Township 7N Range 6W I.M.

WELL: STEELMAN
4-18-7XHS



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: 07-24-18

CURRENT REV.: 0



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE