

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

API NUMBER: 051 24329

Approval Date: 04/13/2018

Expiration Date: 10/13/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 939 660

Lease Name: LOWERS

Well No: 2-14-11-2XHS

Well will be 660 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

WILLIAM F. MCMAHAN REVOCABLE TRUST  
2491 COUNTY STREET 2870  
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MORROW	11835	6	
2	SPRINGER	11864	7	
3	GODDARD	11934	8	
4	CANEY	12447	9	
5			10	

Spacing Orders: 564117  
567314  
568015  
598786  
614043

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802354  
201802353  
201802357  
201802358  
201802359  
201802656

Special Orders:

Total Depth: 23907

Ground Elevation: 1152

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34235

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 1 INFORMATION

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 02 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NW SW

Feet From: SOUTH 1/4 Section Line: 2500

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11568

Radius of Turn: 382

Direction: 360

Total Length: 11738

Measured Total Depth: 23907

True Vertical Depth: 12447

End Point Location from Lease,

Unit, or Property Line: 660

Notes:

Category

Description

DEEP SURFACE CASING

4/3/2018 - 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

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

051 24329 LOWERS 2-14-11-2XHS

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
HYDRAULIC FRACTURING	<p>4/3/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	4/3/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201802353	<p>4/10/2018 - G57 - (I.O.) 14, 11, 2-N-6W  EST MULTIUNIT HORIZONTAL WELL  X568015 GDRD, CNEY 14-7N-6W  X564117 GDRD, CNEY 11-7N-6W  X614043 MRRW 2-7N-6W  X598786 SPRG 2-7N-6W  X567314 GDRD(VAC BY 201802656), CNEY 2-7N-6W  (MRRW &amp; CNEY ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE GDRD &amp; SPRG)  42% 14-7N-6W  42% 11-7N-6W  16% 2-7N-6W  CONTINENTAL RESOURCES, INC.  REC 4-10-2018 (MILLER)</p>
PENDING CD - 201802354	<p>4/10/2018 - G57 - (E.O.) 14,11,2-7N-6W  X568015 GDRD, CNEY 14-7N-6W  X564117 GDRD, CNEY 11-7N-6W  X614043 MRRW 2-7N-6W  X598786 SPRG 2-7N-6W  X567314 GDRD (VAC BY 201802656), CNEY 2-7N-6W  X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' FROM ANOTHER WELLBORE  COMPL. INT. (14-7N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL &amp; FWL  COMPL. INT. (11-7N-6W) NCT 0' FSL, NCT 0' FNL, NCT 330' FEL &amp; FWL  COMPL. INT. (2-7N-6W) NCT 0' FSL, NCT 1320' FNL, NCT 330' FEL &amp; FWL  NO OP. NAMED  REC 4-6-2018 (P.PORTER)</p>
PENDING CD - 201802357	<p>4/10/2018 - G57 - 2-7N-6W  X598786 SPRG  3 WELLS  NO OP. NAMED  HEARING CONT. 4-16-2018</p>
PENDING CD - 201802358	<p>4/10/2018 - G57 - 11-7N-6W  X564117 GDRD  3 WELLS  NO OP. NAMED  HEARING CONT. 4-16-2018</p>
PENDING CD - 201802359	<p>4/10/2018 - G57 - 14-7N-6W  X568015 GDRD  3 WELLS  NO OP. NAMED  HEARING CONT. 4-16-2018</p>
PENDING CD - 201802656	<p>4/10/2018 - G57 - (I.O.)(640) 2-7N-6W  VAC 567314 GDRD  NO OP. NAMED  HEARING 4-23-2018 (OK'D PER MCCOY)</p>
SPACING - 564117	<p>4/10/2018 - G57 - (640) 11-7N-6W  EST GDRD, CNEY</p>
SPACING - 567314	<p>4/10/2018 - G57 - (640) 2-7N-6W  EXT OTHER  EST GDRD (VAC BY 201802656), CNEY, OTHERS</p>

This permit does not address the right of entry or settlement of surface damages.  
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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
SPACING - 568015	4/10/2018 - G57 - (640) 14-7N-6W EXT OTHER EST CNEY, GDRD, OTHERS
SPACING - 598786	4/10/2018 - G57 - (640) 2-7N-6W EXT 594618 SPRG EXT OTHERS
SPACING - 614043	4/10/2018 - G57 - (640) 2-7N-6W EXT OTHERS EXT 606194 MRRW

EXHIBIT: A (1 of 2)  
SHEET: 8.5x14  
SHL: 23-7N-6W  
BHL-2: 02-7N-6W



API: 051 24329

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 23 Township 7N Range 6W I.M.

Well: LOWERS 2-14-11-2XHS

County GRADY State OK

Well: --

Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	LOWERS 2-14-11-2XHS	632276	2025565	35° 04' 13.97" -97° 48' 33.47"	35.070548 -97.809298	939' FNL / 660' FWL (NW/4 SEC 23)	1152.36	1156.98
LP-2	LANDING POINT	633265	2025565	35° 04' 23.76" -97° 48' 33.45"	35.073266 -97.809291	50' FSL / 660' FWL (SW/4 SEC 14)	--	--
BHL-2	BOTTOM HOLE LOCATION	646278	2025517	35° 06' 32.47" -97° 48' 33.73"	35.109018 -97.809370	2,500' FSL / 660' FWL (SW/4 SEC 02)	--	--
X-1	WOOLEY #1-2	645120	2028820	35° 06' 20.95" -97° 47' 54.01"	35.105820 -97.798335	2-7N-6W:SE4   TD: 7,456'   1,320' FSL / 1,320' FEL	--	--
X-2	MCEVOY #1-2-35XH	644106	2029714	35° 06' 10.90" -97° 47' 43.27"	35.103029 -97.795353	2-7N-6W:SW4SW4SE4   TD: 21,959'   300' FSL / 430' FEL	--	--
X-3	MCCALLA RANCH #1-11	641857	2028681	35° 05' 48.68" -97° 47' 55.75"	35.096856 -97.798820	11-7N-6W:NE4SW4NE4   TD: 7,518'   700' FSL / 1,170' FWL	--	--
X-4	MCCALLA #1-11H	638902	2026210	35° 05' 19.50" -97° 48' 25.56"	35.088749 -97.807100	11-7N-6W:S2SW4   TD: 12,400'   400' FSL / 1,320' FWL	--	--
X-5	PORTER #1-14	637192	2028851	35° 05' 02.53" -97° 47' 53.82"	35.084036 -97.798282	14-7N-6W:NE4   TD: 7,632'   1,320' FSL / 1,320' FWL	--	--
X-6	LOWERS #1-14H	636083	2027008	35° 04' 51.60" -97° 48' 16.02"	35.081000 -97.804449	14-7N-6W:SW4SE4SE4   TD: 17,467'   220' FSL / 2,110' FWL	--	--
X-7	HILL #1-23	631912	2028861	35° 04' 10.31" -97° 47' 53.83"	35.069530 -97.798285	23-7N-6W:NE4   TD: 7,700'   1,320' FSL / 1,320' FWL	--	--
X-8	ALINE #1-23A	631901	2026885	35° 04' 10.24" -97° 48' 17.60"	35.069512 -97.804889	23-7N-6W:E2NW4   TD: 7,680'   1,320' FSL / 1,980' FWL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	LOWERS 2-14-11-2XHS	632234	2057162	35° 04' 13.74" -97° 48' 32.32"	35.070482 -97.808979	939' FNL / 660' FWL (NW/4 SEC 23)	1152.36	1156.98
LP-2	LANDING POINT	633223	2057162	35° 04' 23.52" -97° 48' 32.30"	35.073200 -97.808972	50' FSL / 660' FWL (SW/4 SEC 14)	--	--
BHL-2	BOTTOM HOLE LOCATION	646236	2057114	35° 06' 32.23" -97° 48' 32.58"	35.108953 -97.809051	2,500' FSL / 660' FWL (SW/4 SEC 02)	--	--
X-1	WOOLEY #1-2	645078	2060416	35° 06' 20.71" -97° 47' 52.86"	35.105754 -97.798016	2-7N-6W:SE4   TD: 7,456'   1,320' FSL / 1,320' FEL	--	--
X-2	MCEVOY #1-2-35XH	644064	2061310	35° 06' 10.67" -97° 47' 42.12"	35.102963 -97.795034	2-7N-6W:SW4SW4SE4   TD: 21,959'   300' FSL / 430' FEL	--	--
X-3	MCCALLA RANCH #1-11	641815	2060278	35° 05' 48.44" -97° 47' 54.60"	35.096790 -97.798501	11-7N-6W:NE4SW4NE4   TD: 7,518'   700' FSL / 1,170' FWL	--	--
X-4	MCCALLA #1-11H	638860	2057807	35° 05' 19.26" -97° 48' 24.41"	35.088683 -97.806780	11-7N-6W:S2SW4   TD: 12,400'   400' FSL / 1,320' FWL	--	--
X-5	PORTER #1-14	637150	2060448	35° 05' 02.29" -97° 47' 52.67"	35.083970 -97.797963	14-7N-6W:NE4   TD: 7,632'   1,320' FSL / 1,320' FWL	--	--
X-6	LOWERS #1-14H	636041	2058605	35° 04' 51.36" -97° 48' 14.87"	35.080934 -97.804130	14-7N-6W:SW4SE4SE4   TD: 17,467'   220' FSL / 2,110' FWL	--	--
X-7	HILL #1-23	631870	2060458	35° 04' 10.07" -97° 47' 52.68"	35.069464 -97.797966	23-7N-6W:NE4   TD: 7,700'   1,320' FSL / 1,320' FWL	--	--
X-8	ALINE #1-23A	631859	2058482	35° 04' 10.01" -97° 48' 16.45"	35.069446 -97.804570	23-7N-6W:E2NW4   TD: 7,680'   1,320' FSL / 1,980' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 03-02-18  
Date Drawn: 03-02-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	03-02-18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)  
SHEET: 8.5x14  
SHL: 23-7N-6W  
BHL-2: 02-7N-6W

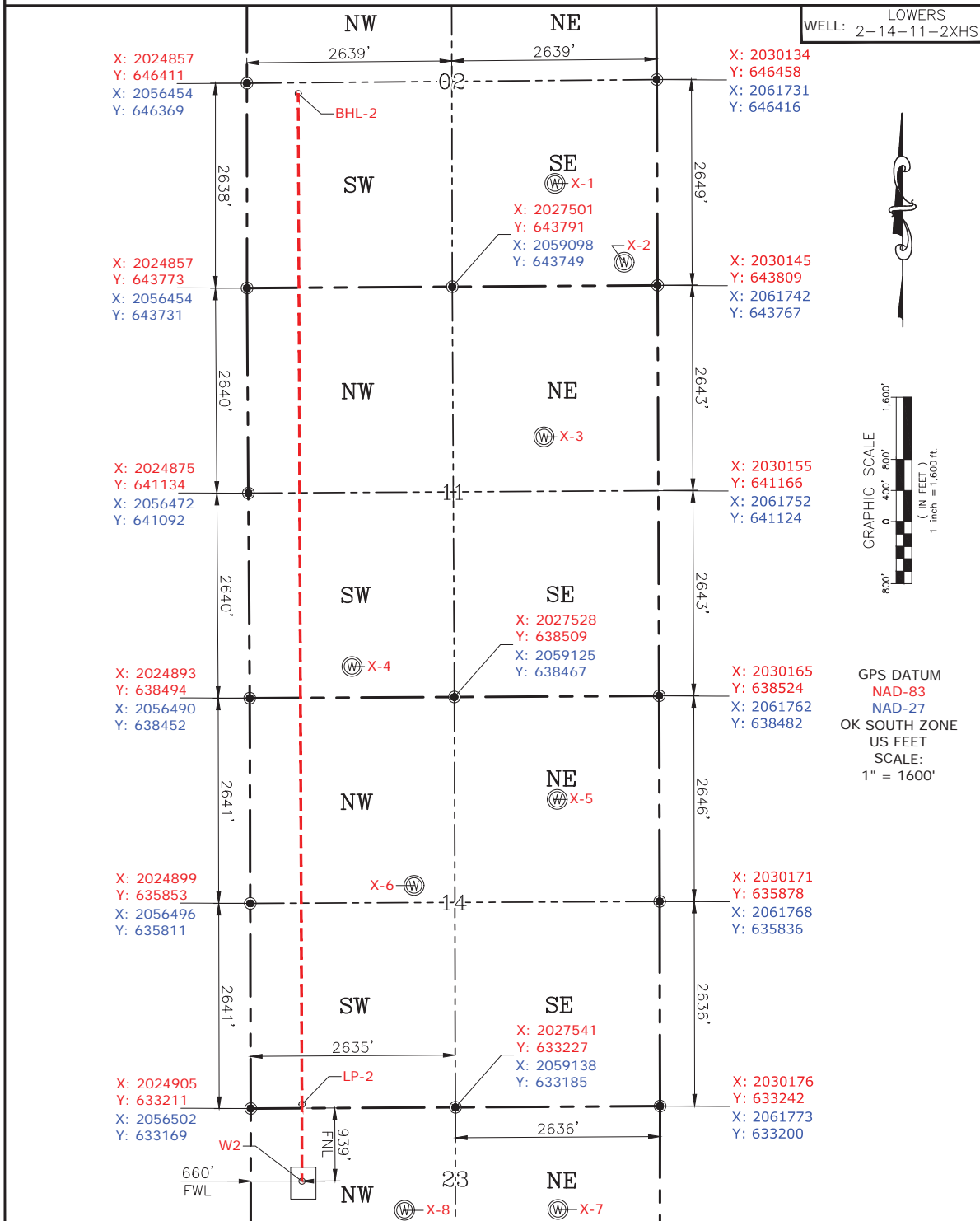
PETRO LAND SERVICES SOUTH, LLC

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  
939' FNL-660' FWL Section 23 Township 7N Range 6W I.M.



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: 03-02-18  
Date Drawn: 03-02-18

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