

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

API NUMBER: 051 24328

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: ☐ SW ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 364 2230

Lease Name: LOWERS

Well No: 3-14-11-2XHS

Well will be 364 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

WARD H. & SHELLEY A. HILL
2238 COUNTY STREET 2920
CHICKASHA OK 73018

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

| | Name | Depth | Name | Depth |
|---|----------|-------|------|-------|
| 1 | MORROW | 11852 | 6 | |
| 2 | SPRINGER | 11881 | 7 | |
| 3 | GODDARD | 11951 | 8 | |
| 4 | CANEY | 12464 | 9 | |
| 5 | | | 10 | |

Spacing Orders: 564117
567314
568015
598786
614043

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802356
201802355
201802357
201802358
201802359
201802656

Special Orders:

Total Depth: 24462

Ground Elevation: 1184

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

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: 18-34171

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 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

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 02 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NE SW

Feet From: SOUTH 1/4 Section Line: 2500

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 11548

Radius of Turn: 382

Direction: 355

Total Length: 12313

Measured Total Depth: 24462

True Vertical Depth: 12464

End Point Location from Lease,
Unit, or Property Line: 1980

Notes:

Category

Description

DEEP SURFACE CASING

3/30/2018 - 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 24328 LOWERS 3-14-11-2XHS

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>3/30/2018 - 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: OCCEWEB.COM/OG/OGFORMS.HTML; 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: FRACFOCUS.ORG</p> |
| MEMO | 3/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| PENDING CD - 201802355 | <p>4/10/2018 - G57 - 14, 11, 2-7N-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 & CNEY ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE GDRD & SPRG) 42% 14-7N-6W 42% 11-7N-6W 16% 2-7N-6W CONTINENTAL RESOURCES, INC. REC 4-10-2018 (MILLER)</p> |
| PENDING CD - 201802356 | <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 & FWL COMPL. INT. (11-7N-6W) NCT 0' FSL, NCT 0' FNL, NCT 330' FEL & FWL COMPL. INT. (2-7N-6W) NCT 0' FSL, NCT 1320' FNL, NCT 330' FEL & 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>4/3/2018 - 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> |

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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 | 4/3/2018 - 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: 23-07N-06W
BHL-3: 02-07N-06W



API: 051 24328

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 07N Range 06W I.M. Well: LOWERS 3-14-11-2XHS
County GRADY State OK Well: --
Operator CONTINENTAL RESOURCES, INC.

| NAD-83 | | | | | | | | |
|--------|----------------------|----------|---------|-----------------------------------|-------------------------|---|-----------------------|---------------------|
| POINT | WELL NAME | NORTHING | EASTING | LATITUDE LONGITUDE | LATITUDE LONGITUDE | | EXISTING ELEVATION | DESIGN ELEVATION |
| W3 | LOWERS 3-14-11-2XHS | 632861 | 2027136 | 35° 04' 19.73" -97° 48' 14.56" | 35.072146 -97.804044 | 364' FNL / 2230' FWL (NW/4 SEC 23) | 1184.09 | 1183.79 |
| LP-3 | LANDING POINT | 633273 | 2026885 | 35° 04' 23.81" -97° 48' 17.57" | 35.073281 -97.804879 | 50' FSL / 1980' FWL (SW/4 SEC 14) | -- | -- |
| BHL-3 | BOTTOM HOLE LOCATION | 646287 | 2026837 | 35° 06' 32.53" -97° 48' 17.84" | 35.109036 -97.804957 | 2500' FSL / 1980' 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 |
| W3 | LOWERS 3-14-11-2XHS | 632819 | 2058733 | 35° 04' 19.49" -97° 48' 13.41" | 35.072080 -97.803725 | 364' FNL / 2230' FWL (NW/4 SEC 23) | 1184.09 | 1183.79 |
| LP-3 | LANDING POINT | 633231 | 2058482 | 35° 04' 23.57" -97° 48' 16.42" | 35.073215 -97.804560 | 50' FSL / 1980' FWL (SW/4 SEC 14) | -- | -- |
| BHL-3 | BOTTOM HOLE LOCATION | 646245 | 2058434 | 35° 06' 32.29" -97° 48' 16.69" | 35.108970 -97.804637 | 2500' FSL / 1980' 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: 03-12-18
Date Drawn: 03-12-18



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

REVISIONS

| No. | DATE | BY | DESCRIPTION | COMMENTS |
|-----|----------|-----|---------------------|----------|
| 00 | 03-12-18 | MJL | ISSUED FOR APPROVAL | -- |
| | | | | |
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