

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

API NUMBER: 011 24024

Approval Date: 06/11/2018

Expiration Date: 12/11/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 16N Rge: 10W

County: BLAINE

SPOT LOCATION:  SE  SW  SE  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 204 1956

Lease Name: QUINTLE

Well No: 4-10-3XHM

Well will be 204 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

GARY M. QUINTLE  
24201 NORTH 2720 ROAD  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9830	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 639444  
644711

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804082  
201804083  
201804076  
201804077

Special Orders:

Total Depth: 19931

Ground Elevation: 1246

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 40

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: FLOWERPOT

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34559

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: FLOWERPOT

HORIZONTAL HOLE 1

Sec 03 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2178

Depth of Deviation: 9353

Radius of Turn: 477

Direction: 12

Total Length: 9829

Measured Total Depth: 19931

True Vertical Depth: 9830

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

Notes:

Category

Description

DEEP SURFACE CASING

5/29/2018 - 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

5/29/2018 - 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)

INTERMEDIATE CASING

5/29/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

5/29/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

Category	Description
PENDING CD - 201804076	6/5/2018 - G75 - 3-16N-10W X639444 MSSP 5 WELLS CONTINENTAL RESOURCES, INC. REC 6-11-2018 (P. PORTER)
PENDING CD - 201804077	6/5/2018 - G75 - 10-16N-10W X644711 MSSP 5 WELLS CONTINENTAL RESOURCES, INC. REC 6-11-2018 (P. PORTER)
PENDING CD - 201804082	6/5/2018 - G75 - (I.O.) 10 & 3-16N-10W EST MULTIUNIT HORIZONTAL WELL X644711 MSSP 10-16N-10W X639444 MSSP 3-16N-10W 50% 10-16N-10W 50% 3-16N-10W CONTINENTAL RESOURCES, INC. REC 6-11-2018 (P. PORTER)
PENDING CD - 201804083	6/5/2018 - G75 - (I.O.) 10 & 3-16N-10W X644711 MSSP 10-16N-10W X639444 MSSP 3-16N-10W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS COMPL. INT. (10-16N-10W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (3-16N-10W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL CONTINENTAL RESOURCES, INC. REC 6-11-2018 (P. PORTER)
SPACING - 639444	6/5/2018 - G75 - (640)(HOR) 3-16N-10W VAC 260856 MCSTR S2, NW4 VAC 168134/169097 MSSSD S2, NW4 VAC OTHER EST MSSP, OTHERS POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 168134/169097 MSSSD NE4 & ORDER # 260856 MCSTR NE4)
SPACING - 644711	6/5/2018 - G75 - (640) 10-16N-10W VAC 426226 MCSTR S2, NE4 VAC 168134/169097 MSSSD, OTHER S2, NE4 EST (HOR) OTHER EST (VER) OTHERS EXT (HOR) 639444 MSSP, OTHERS COMPL. INT. NCT 660' FB (COEXIT SP. ORDER # 168134/169097 MSSSD NW4 & ORDER # 426226 MCSTR NW4)

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 (5 of 5)  
 SHEET: 8.5x14  
 SHL: 10-16N-10W  
 BHL-4 03-16N-10W

**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)

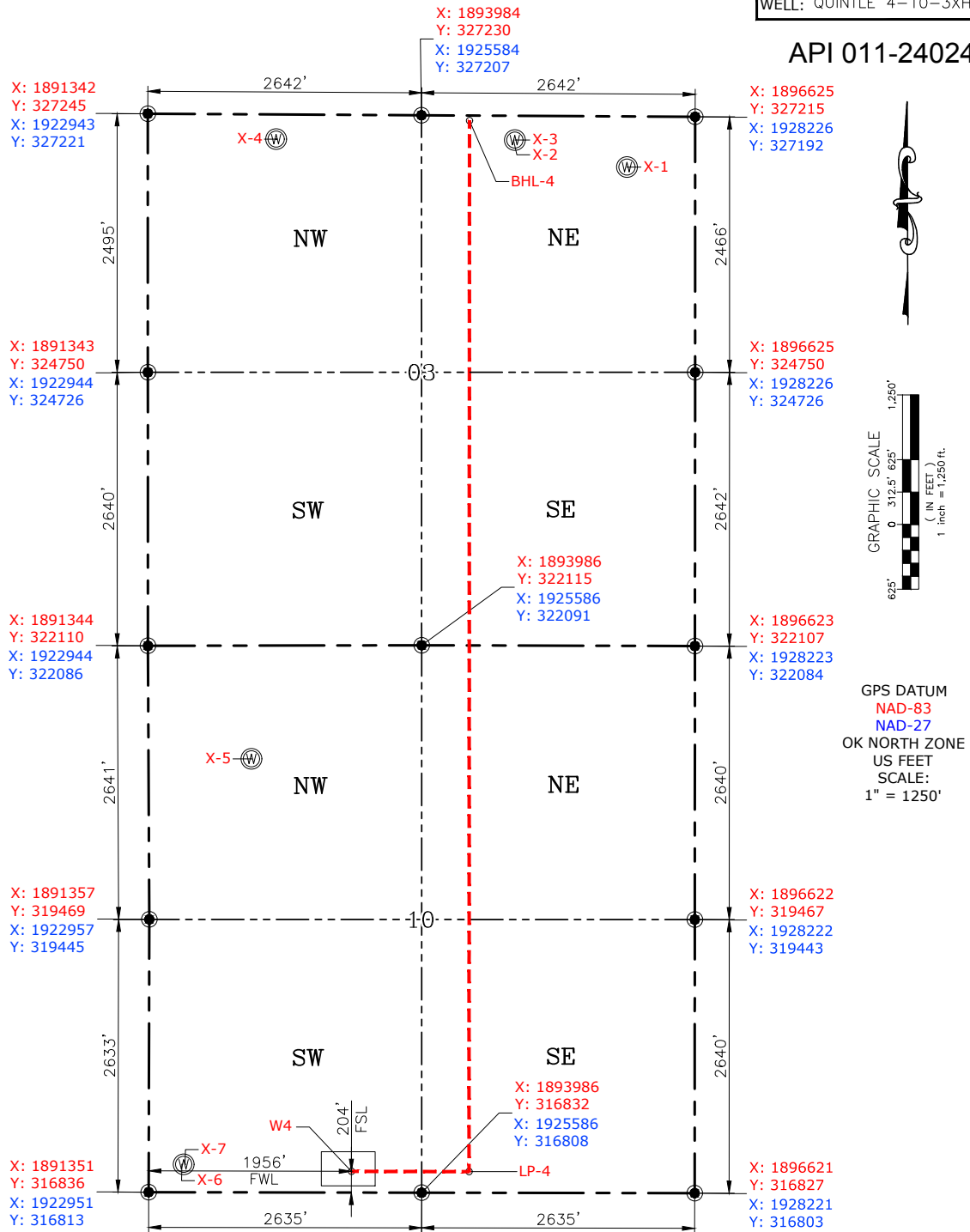
BLAINE

County Oklahoma

204' FSL-1956' FWL Section 10 Township 16N Range 10W I.M.

WELL: QUINTLE 4-10-3XHM

API 011-24024



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: 05-07-18  
 Date Drawn: 05-07-18

CURRENT REV.: 1



*Randall J. Bilyeu*

**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.

Oklahoma PLS No.1196 DATE

EXHIBIT: A (2 of 5)  
 SHEET: 8.5x11  
 SHL: 10-16N-10W  
 BHL-2 03-16N-10W  
 BHL-3 03-16N-10W  
 BHL-4 03-16N-10W



API 011-24024

COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 10 Township 16N Range 10W I.M. Well: QUINTLE 2-10-3XHM  
 County BLAINE State OK Well: QUINTLE 3-10-3XHM  
 Operator CONTINENTAL RESOURCES, INC. Well: QUINTLE 4-10-3XHM

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION	
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	QUINTLE 2-10-3XHM	317013	1924848	35° 52' 14.26" -98° 15' 13.12"	35.870629 -98.253645	204' FSL / 1896' FWL (SW/4 SEC 10)	1246.67	1246.22
LP-2	LANDING POINT	317014	1924206	35° 52' 14.26" -98° 15' 20.92"	35.870627 -98.255812	204' FSL / 1254' FWL (SW/4 SEC 10)	--	--
BHL-2	BOTTOM HOLE LOCATION	327164	1924197	35° 53' 54.64" -98° 15' 21.36"	35.898511 -98.255933	50' FNL / 1254' FWL (NW/4 SEC 03)	--	--
W3	QUINTLE 3-10-3XHM	317013	1924878	35° 52' 14.27" -98° 15' 12.76"	35.870629 -98.253544	204' FSL / 1926' FWL (SW/4 SEC 10)	1246.12	1246.22
LP-3	LANDING POINT	317013	1925130	35° 52' 14.27" -98° 15' 09.69"	35.870630 -98.252693	204' FSL / 2178' FWL (SW/4 SEC 10)	--	--
BHL-3	BOTTOM HOLE LOCATION	327159	1925121	35° 53' 54.61" -98° 15' 10.13"	35.898503 -98.252813	50' FNL / 2178' FWL (NW/4 SEC 03)	--	--
W4	QUINTLE 4-10-3XHM	317013	1924908	35° 52' 14.27" -98° 15' 12.39"	35.870629 -98.253443	204' FSL / 1956' FWL (SW/4 SEC 10)	1245.65	1246.22
LP-4	LANDING POINT	317011	1926043	35° 52' 14.27" -98° 14' 58.60"	35.870631 -98.249611	204' FSL / 2178' FEL (SE/4 SEC 10)	--	--
BHL-4	BOTTOM HOLE LOCATION	327154	1926048	35° 53' 54.58" -98° 14' 58.86"	35.898495 -98.249684	50' FNL / 2178' FEL (NE/4 SEC 03)	--	--
X-1	HAFFNER PALMER #1	326706	1927567	35° 53' 50.19" -98° 14' 40.38"	35.897275 -98.244550	03-16N-10W:NE4NE4   TD: 10,067'   1,980' FSL / 1,980' FWL	--	--
X-2	IRVEN JOHN 1710 3-34-27MXH	326968	1926473	35° 53' 52.75" -98° 14' 53.69"	35.897986 -98.248247	03-16N-10W:NW4NE4NW4NE4   TD: 20,082'   234' FNL / 1,753' FEL	--	--
X-3	IRVEN JOHN 1710 4-34-27MXH	326967	1926493	35° 53' 52.75" -98° 14' 53.45"	35.897986 -98.248180	03-16N-10W:NW4NE4NW4NE4   TD: 20,064'   234' FNL / 1,733' FEL	--	--
X-4	IRVEN JOHN 1710 2-34-27MXH	326976	1924182	35° 53' 52.78" -98° 15' 21.54"	35.897994 -98.255982	03-16N-10W:NE4NE4NW4NW4   TD: 20,093'   238' FNL / 1,236' FWL	--	--
X-5	OTTO STRACK #1-10	320995	1923942	35° 52' 53.62" -98° 15' 24.25"	35.881560 -98.256736	10-16N-10W:SE4NW4NW4   TD: 11,080'   1,550' FSL / 990' FWL	--	--
X-6	QUINTLE #1-10-3XH	317082	1923272	35° 52' 14.90" -98° 15' 32.27"	35.870806 -98.258964	10-16N-10W:SW4SW4SW4SW4   TD: 19,671'   270' FSL / 320' FWL	--	--
X-7	QUINTLE #1R-10-3XH	317082	1923302	35° 52' 14.90" -98° 15' 31.91"	35.870806 -98.258863	10-16N-10W:SE4SW4SW4SW4   TD: 19,671'   270' FSL / 350' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 05-07-18  
 Date Drawn: 05-07-18



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