

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

API NUMBER: 051 24548

Approval Date: 01/14/2019  
Expiration Date: 07/14/2020

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 8N Rge: 7W County: GRADY  
SPOT LOCATION:  NW  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 326 607

Lease Name: JC NELSON Well No: 1R-9-16-21XHM Well will be 326 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 268870  
OKLAHOMA CITY, OK 73126-9000

SHIRLEY BROWNING  
907 E. CARDINAL STREET  
POCASSET OK 73079

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

	Name	Depth	Name	Depth
1	SPRINGER	12460	6	
2	MISSISSIPPIAN	12748	7	
3	WOODFORD	13960	8	
4			9	
5			10	

Spacing Orders: 686208  
90891  
624305

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809458  
201809459

Special Orders:

Total Depth: 25895

Ground Elevation: 1164

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35832

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 21 Twp 8N Rge 7W County GRADY

Spot Location of End Point: C E2 E2 E2

Feet From: NORTH 1/4 Section Line: 2640

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 12640

Radius of Turn: 477

Direction: 176

Total Length: 12506

Measured Total Depth: 25895

True Vertical Depth: 13960

End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

11/26/2018 - 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

11/26/2018 - 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)

MEMO

11/26/2018 - 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.

051 24548 JC NELSON 1R-9-16-21XHM

Category	Description
PENDING CD - 201809458	1/11/2019 - G75 - (I.O.) 9, 16 & 21-8N-7W EST MULTIUNIT HORIZONTAL WELL X686208 SPRG, MSSP, WDFD 9 & 16-8N-7W X90891 SPRG 21-8N-7W X624305 MSSP, WDFD, 21-8N-7W (SPRG, WDFD ADJACENT COMMON SOURCES OF SUPPLY TO MSSP) 80% 9 & 16-8N-7W 20% 21-8N-7W NO OP. NAMED REC 12-4-2018 (DENTON)
PENDING CD - 201809459	1/11/2019 - G75 - (I.O.) 9, 16 & 21-8N-7W X686208 SPRG, MSSP, WDFD 9 & 16-8N-7W X90891 SPRG 21-8N-7W X624305 MSSP, WDFD, 21-8N-7W SHL (9-8N-7W) 326' FNL, 607' FEL COMPL. INT. (9 & 16-8N-7W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (21-8N-7W) NCT 0' FNL, NCT 1320' FSL, NCT 330' FEL NO OP. NAMED REC 12-4-2018 (DENTON)
SPACING - 624305	1/11/2019 - G75 - (640) 21-8N-7W VAC 90891 GDRD, OTHERS EXT OTHERS EXT 621647 WDFD, OTHER EXT 610824 MSSP, OTHER EST OTHER
SPACING - 686208	1/11/2019 - G75 - (1280/640) 9 & 16-8N-7W VAC 128285 MWSPR 9-8N-7W VAC 632455 SPRG, MSSP, WDFD, OTHER 16-8N-7W EXT (640) OTHER EST (1280)(HOR) SPRG, MSSP, WDFD, OTHER COMPL. INT. (SPRG, MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 90891	1/11/2019 - G75 - (640) 21-8N-7W EXT 85670 SPRG, GDRD (GDRD VAC BY 624305), OTHERS

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: 9-8N-7W  
 BHL-1 21-8N-7W



API 051-24548

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 9 Township 8N Range 7W I.M.  
 County GRADY State OK  
 Operator CONTINENTAL RESOURCES, INC.

Well: JC NELSON  
1R-9-16-21XHM  
 Well: ---

#### NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	JC NELSON 1R-9-16-21XHM	675117	1987376	35° 11' 18.17" -97° 56' 12.58"	35.188382 -97.936828	326' FNL / 607' FEL (NE/4 SEC 9)	1163.41'	1164.14'
LP-1	LANDING POINT	675115	1987653	35° 11' 18.16" -97° 56' 09.24"	35.188377 -97.935901	326' FNL / 330' FEL (NE/4 SEC 9)	---	---
BHL-1	BOTTOM HOLE LOCATION	662228	1987642	35° 09' 10.69" -97° 56' 09.48"	35.152971 -97.935967	2640' FNL / 330' FEL (NE/4 SEC 21)	---	---
X-1	SIEBERT #1	672147	1984025	35° 10' 48.82" -97° 56' 52.97"	35.180228 -97.948048	9-8N-7W   TD: 12,300'   1,980' FSL / 1,320' FWL	---	---
X-2	J.C. NELSON #1-16-9HM	665197	1987634	35° 09' 40.06" -97° 56' 09.55"	35.161128 -97.935986	16-8N-7W   TD: 23,561'   329' FSL / 338' FEL	---	---
X-3	J. WEBB #1	663224	1984357	35° 09' 20.56" -97° 56' 49.04"	35.155712 -97.946956	21-8N-7W   TD: UNKNOWN   1,654' FNL / 1,648' FWL	---	---

NOTE: J. WEBB #1 (X-3) WAS LOCATED PER OCC GENERAL DATA, NO RECORDED DOCUMENTS AVAILABLE FOR VERIFICATION OF WELL LOCATION.

#### NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	JC NELSON 1R-9-16-21XHM	675075	2018973	35° 11' 17.95" -97° 56' 11.42"	35.188319 -97.936505	326' FNL / 607' FEL (NE/4 SEC 9)	1163.41'	1164.14'
LP-1	LANDING POINT	675073	2019250	35° 11' 17.93" -97° 56' 08.08"	35.188315 -97.935578	326' FNL / 330' FEL (NE/4 SEC 9)	---	---
BHL-1	BOTTOM HOLE LOCATION	662186	2019239	35° 09' 10.47" -97° 56' 08.32"	35.152908 -97.935644	2640' FNL / 330' FEL (NE/4 SEC 21)	---	---
X-1	SIEBERT #1	672105	2015622	35° 10' 48.60" -97° 56' 51.81"	35.180166 -97.947725	9-8N-7W   TD: 12,300'   1,980' FSL / 1,320' FWL	---	---
X-2	J.C. NELSON #1-16-9HM	665155	2019231	35° 09' 39.83" -97° 56' 08.39"	35.161065 -97.935664	16-8N-7W   TD: 23,561'   329' FSL / 338' FEL	---	---
X-3	J. WEBB #1	663182	2015953	35° 09' 20.34" -97° 56' 47.88"	35.155649 -97.946633	21-8N-7W   TD: UNKNOWN   1,654' FNL / 1,648' FWL	---	---

NOTE: J. WEBB #1 (X-3) WAS LOCATED PER OCC GENERAL DATA, NO RECORDED DOCUMENTS AVAILABLE FOR VERIFICATION OF WELL LOCATION.

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--18  
 Date Drawn: 11-2-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	11-2-18	HDG	ISSUED FOR APPROVAL	---

EXHIBIT: A (2 of 2)  
 SHEET: 8.5x14  
 SHL: 9-8N-7W  
 BHL-1 21-8N-7W

**PETRO LAND SERVICES SOUTH, LLC**

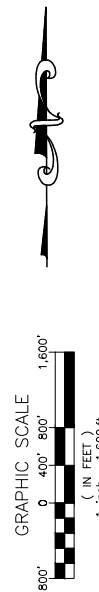
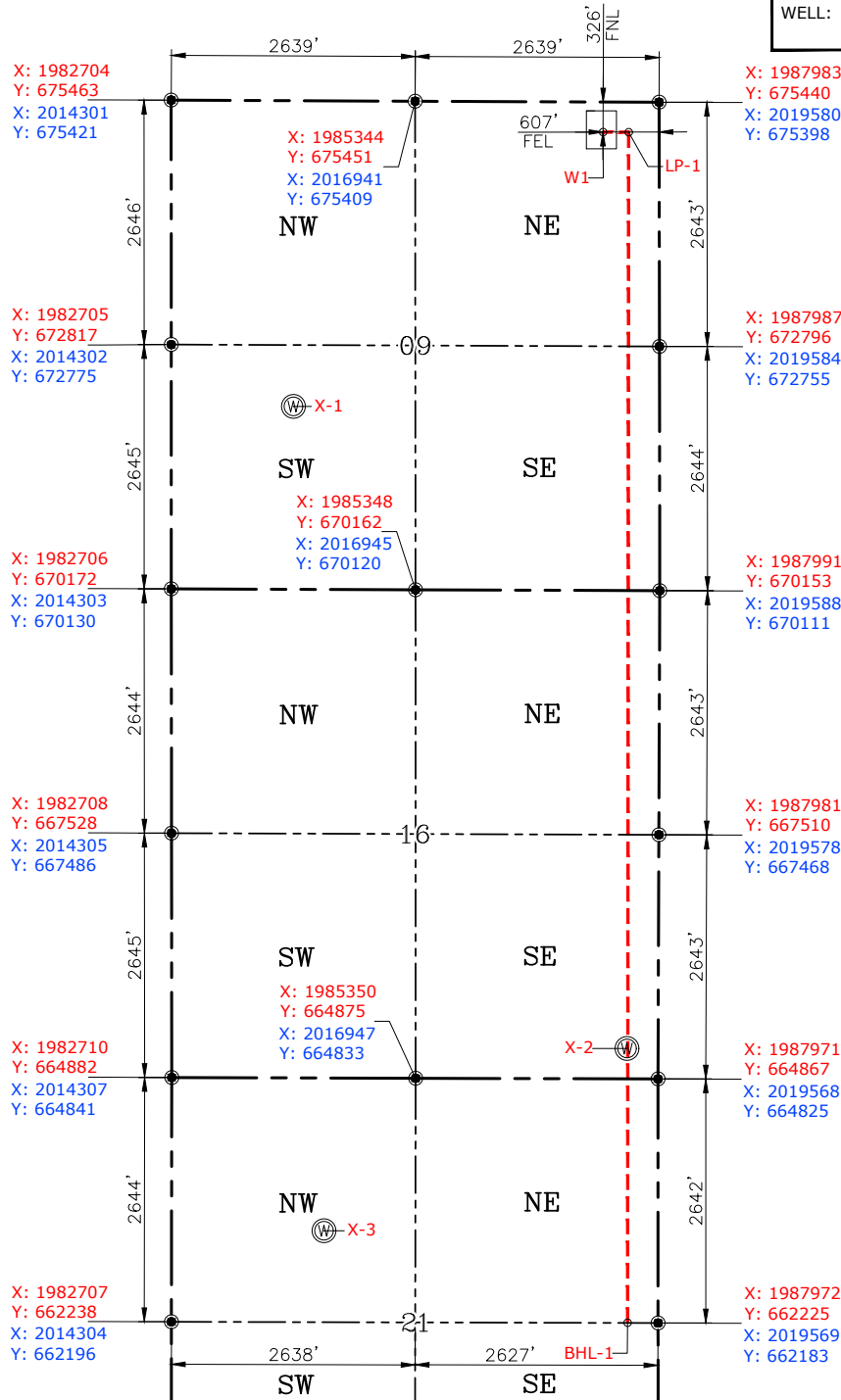
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
 Certificate of Authorization No. 7318



CONTINENTAL  
 RESOURCES, INC  
 (OPERATOR)

GRADY \_\_\_\_\_ County Oklahoma  
 326' FNL-607' FEL Section 9 Township 8N Range 7W I.M.

WELL: JC NELSON  
 1R-9-16-21XH

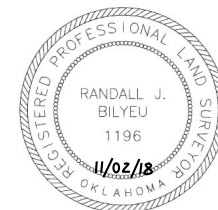


GPS DATUM  
 NAD-83  
 NAD-27  
 OK SOUTH ZONE  
 US FEET  
 SCALE:  
 1" = 1600'

NOTE: J. WEBB #1 (X-3) WAS LOCATED PER OCC GENERAL DATA, NO RECORDED DOCUMENTS AVAILABLE FOR VERIFICATION OF WELL LOCATION.

DATE Drawn: 11-2-18

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.

*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE