

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

API NUMBER: 051 24337

Approval Date: 04/27/2018  
Expiration Date: 10/27/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 10N Rge: 8W

County: GRADY

SPOT LOCATION:  SE  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 316 380

Lease Name: MORTON

Well No: 1-33-28XHM

Well will be 316 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

DAVID AND LADONNA MORTON  
330 CR 1190  
MINCO OK 73059

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13351	6	
2	WOODFORD	13651	7	
3	HUNTON	13801	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801975  
201801976

Special Orders:

Total Depth: 23464

Ground Elevation: 1426

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 350

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: MARLOW

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

PERMIT NO: 18-34260

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: MARLOW

HORIZONTAL HOLE 1

Sec 28 Twp 10N Rge 8W County GRADY

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 12685

Radius of Turn: 477

Direction: 179

Total Length: 10030

Measured Total Depth: 23464

True Vertical Depth: 13801

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

Notes:

Category

Description

DEEP SURFACE CASING

4/10/2018 - 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

HYDRAULIC FRACTURING

4/10/2018 - 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

4/10/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED 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 - 201801975	<p>4/16/2018 - G58 - (1280)(HOR) 28 &amp; 33-10N-8W  VAC 98732 CSTR MSSLM  VAC 101031 HNTN  VAC 560854 WDFD  VAC 583390 WDFD  EST MSSP, WDFD, HNTN  COMPL. INT. (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  COMPL. INT. (MSSP) NCT 660' FB  (EXIST CONCURRENTLY WITH NON-HORIZONTAL DRILLING AND SPACING UNITS)  REC 4/20/2018 (THOMAS)</p>
PENDING CD - 201801976	<p>4/16/2018 - G58 - (I.O.) 28 &amp; 33-10N-8W  X201801975 MSSP, WDFD, HNTN  COMPL. INT. (33-10N-8W) NCT 200' FSL, NCT 0' FNL, NCT 330' FWL  COMPL. INT. (28-10N-8W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL  NO OP. NAMED  REC 4/20/2018 (THOMAS)</p>

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: 33-10N-08W  
 BHL: 28-10N-08W



**COVER SHEET**

**CONTINENTAL RESOURCES, INC.**

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

Section 33 Township 10N Range 08W I.M. Well: MORTON 1-33-28XHM  
 County GRADY State OK Well: --  
 Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	MORTON 1-33-28XHM	712714	1950858	35° 17' 30.03" -98° 03' 32.81"	35.291875 -98.059114	316' FSL / 330' FWL (SW/4 SEC 33)	1424.33	1425.59
LP-1	LANDING POINT	712924	1950855	35° 17' 32.11" -98° 03' 32.85"	35.292252 -98.059124	526' FSL / 330' FWL (SW/4 SEC 33)	--	--
BHL-1	BOTTOM HOLE LOCATION	722954	1950718	35° 19' 11.30" -98° 03' 34.58"	35.319805 -98.059605	50' FNL / 330' FWL (NW/4 SEC 28)	--	--
X-1	RHODES #1	713720	1954475	35° 17' 40.00" -98° 02' 49.19"	35.294445 -98.046996	28-10N-8W:NE4   TD: 14,080'   1,320' FSL / 1,320' FWL	--	--
X-2	STATE #1-33	716367	1954448	35° 18' 06.18" -98° 02' 49.53"	35.301715 -98.047091	33-10N-8W:S2SE4   TD: 12,150'   1,320' FSL / 1,320' FWL	--	--
X-3	BOYD #33-1	721671	1954376	35° 18' 58.63" -98° 02' 50.43"	35.316287 -98.047342	33-10N-8W:NE4   TD: 15,072'   1,320' FSL / 1,320' FWL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	MORTON 1-33-28XHM	712672	1982455	35° 17' 29.82" -98° 03' 31.63"	35.291616 -98.058787	316' FSL / 330' FWL (SW/4 SEC 33)	1424.33	1425.59
LP-1	LANDING POINT	712882	1982452	35° 17' 31.90" -98° 03' 31.67"	35.292193 -98.058797	526' FSL / 330' FWL (SW/4 SEC 33)	--	--
BHL-1	BOTTOM HOLE LOCATION	722912	1982315	35° 19' 11.09" -98° 03' 33.40"	35.319747 -98.059277	50' FNL / 330' FWL (NW/4 SEC 28)	--	--
X-1	RHODES #1	713679	1986072	35° 17' 39.79" -98° 02' 48.01"	35.294386 -98.046669	28-10N-8W:NE4   TD: 14,080'   1,320' FSL / 1,320' FWL	--	--
X-2	STATE #1-33	716325	1986045	35° 18' 05.96" -98° 02' 48.35"	35.301657 -98.046764	33-10N-8W:S2SE4   TD: 12,150'   1,320' FSL / 1,320' FWL	--	--
X-3	BOYD #33-1	721629	1985973	35° 18' 58.42" -98° 02' 49.25"	35.316229 -98.047015	33-10N-8W:NE4   TD: 15,072'   1,320' FSL / 1,320' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 02-27-18  
 Date Drawn: 02-28-18



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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	02-28-18	MJL	ISSUED FOR APPROVAL	--
01	04-03-18	MJL	REV. SHL LOCATION	REV. EXHIBITS: A, B, F, H & I
02	04-04-18	MJL	REV. PAD PERIMETER	REV. EXHIBITS: B, F, H & I
03	04-06-18	MJL	REV. FACILITIES	REV. EXHIBIT B
04	04-27-18	TJW	REV. WELL HEAD LOCATION	REV. EXHIBITS A,B,F,H & I

EXHIBIT: A (2 of 2)  
 SHEET: 8.5x14  
 SHL: 33-10N-08W  
 BHL-1: 28-10N-08W

**PETRO LAND SERVICES SOUTH, LLC**

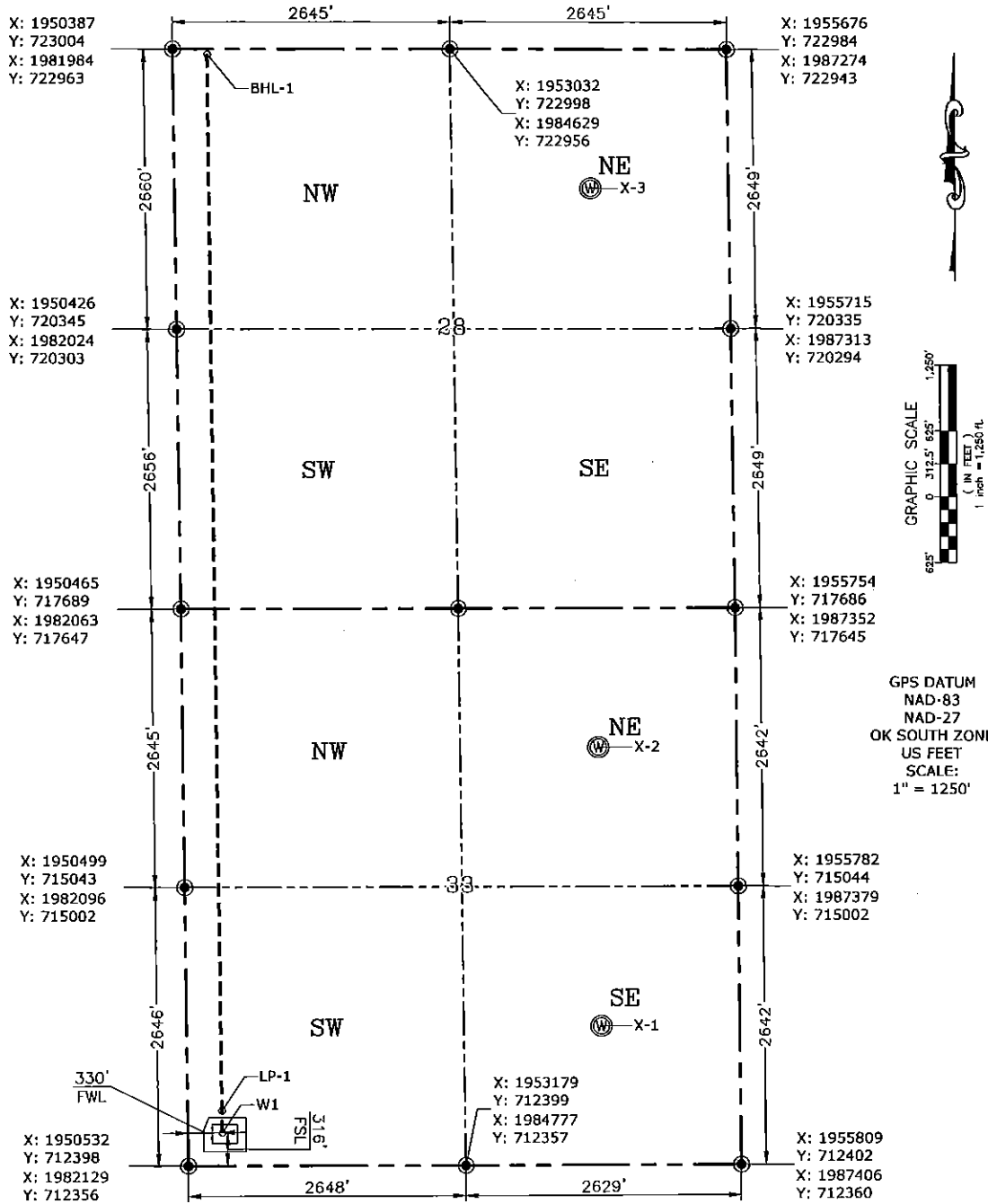
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
 Certificate of Authorization No. 7318



CONTINENTAL  
 RESOURCES, INC  
 (OPERATOR)

GRADY County Oklahoma  
 316' FSL--330' FWL Section 33 Township 10N Range 08W I.M.

WELL: MORTON 1-33-28XH



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: 02-27-18  
 Date Drawn: 02-28-18

REV-1: 4-3-18  
 REV-4: 4-27-18



*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