

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

API NUMBER: 051 24516

Approval Date: 11/09/2018

Expiration Date: 05/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 7N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SW ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 544 680

Lease Name: NABORS

Well No: 3-28-33XHM

Well will be 544 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

LAVERA MILLS, ELTON MILLS LIVING TRUST
2145 COUNTY ROAD 1340
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	SPRINGER	11116	6	
2	MISSISSIPPIAN	11641	7	
3	WOODFORD	11716	8	
4			9	
5			10	

Spacing Orders: 188337
631358
582458
150355

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808268
201808265
201808255
201808256
201808267
201808266

Special Orders:

Total Depth: 21362

Ground Elevation: 1166

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

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: 18-35516

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 33 Twp 7N Rge 5W County GRADY

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1155

Depth of Deviation: 11124

Radius of Turn: 466

Direction: 177

Total Length: 9505

Measured Total Depth: 21362

True Vertical Depth: 11932

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

11/2/2018 - 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.

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 24516 NABORS 3-28-33XHM

Category	Description
HYDRAULIC FRACTURING	<p>11/2/2018 - 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	<p>11/2/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201808255	<p>11/9/2018 - G56 - (I.O.) 28 & 33-7N-5W ESTABLISH MULTIUNIT HORIZONTAL WELL X188337 MSSP 28 & 33-7N-5W X631358 WDFD 28-7N-5W X582458 WDFD 33-7N-5W X150355 SPRG 28 & 33-7N-5W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 28-7N-5W 50% 33-7N-5W NO OP NAMED REC 10/30/2018 (MILLER)</p>
PENDING CD - 201808256	<p>11/9/2018 - G56 - (I.O.) 28 & 33-7N-5W X188337 MSSP 28 & 33-7N-5W X631358 WDFD 28-7N-5W X582458 WDFD 33-7N-5W X150355 SPRG 28 & 33-7N-5W COMPL INT (28-7N-5W) NCT 150' FNL, NCT 0' FSL, NCT 660' FWL COMPL INT (33-7N-5W) NCT 0' FNL, NCT 150' FSL, NCT 660' FWL NO OP NAMED REC 10/30/2018 (MILLER)</p>
SPACING - 150355	<p>11/9/2018 - G56 - 28 & 33-7N-5W EST OTHERS EXT 131103 SPRG, OTHERS</p>
SPACING - 188337	<p>11/9/2018 - G56 - (640) 28 & 33-7N-5W EXT OTHERS EXT 147146 MSSP, OTHER</p>
SPACING - 582458	<p>11/9/2018 - G56 - (640) 33-7N-5W EXT 581296 WDFD, OTHER</p>
SPACING - 631358	<p>11/9/2018 - G56 - (640) 28-7N-5W EST WDFD, OTHERS</p>

EXHIBIT: A (1 of 3)
 SHEET: 8.5x11
 SHL: 28-7N-5W
 BHL-2 33-7N-5W
 BHL-3 33-7N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 28 Township 7N Range 5W I.M. Well: NABORS 2-28-33XHW
 County GRADY State OK Well: NABORS 3-28-33XHM
 Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	NABORS 2-28-33XHW	627452	2046620	35° 03' 25.79" -97° 44' 20.32"	35.057164 -97.738978	566' FNL / 660' FWL (NW/4 SEC 28)	1167.73'	1166.42'
LP-2	LANDING POINT	627063	2046620	35° 03' 21.94" -97° 44' 20.33"	35.056095 -97.738981	955' FNL / 660' FWL (NW/4 SEC 28)	--	--
BHL-2	BOTTOM HOLE LOCATION	617486	2046625	35° 01' 47.22" -97° 44' 20.56"	35.029784 -97.739045	50' FSL / 660' FWL (SW/4 SEC 33)	--	--
W3	NABORS 3-28-33XHM	627474	2046639	35° 03' 26.02" -97° 44' 20.09"	35.057226 -97.738913	544' FNL / 680' FWL (NW/4 SEC 28)	1166.43'	1166.42'
LP-3	LANDING POINT	627474	2047114	35° 03' 26.00" -97° 44' 14.37"	35.057222 -97.737324	544' FNL / 1155' FWL (NW/4 SEC 28)	--	--
BHL-3	BOTTOM HOLE LOCATION	617487	2047120	35° 01' 47.22" -97° 44' 14.61"	35.029782 -97.737391	50' FSL / 1155' FWL (SW/4 SEC 33)	--	--
X-1	NABORS #28-A	624037	2047282	35° 02' 52.00" -97° 44' 12.46"	35.047777 -97.736796	28-7N-5W:SW4 TD: 13,479' 1,320' FSL / 1,320' FWL	--	--
X-2	MOORE #1-28	623165	2046812	35° 02' 43.39" -97° 44' 18.14"	35.045386 -97.738372	28-7N-5W:SE4SW4SW4 TD: 7,350' 450' FSL / 850' FWL	--	--
X-3	REYNOLDS #B-1	619750	2049039	35° 02' 09.56" -97° 43' 51.47"	35.035988 -97.730984	33-7N-5W:NW4NW4SE4 TD: 7,400' 2,310' FSL / 430' FWL	--	--
X-4	NABORS #1-33-28XH	617721	2049269	35° 01' 49.48" -97° 43' 48.76"	35.030410 -97.730211	33-7N-5W:SE4SW4SW4SE4 TD: 22,119' 280' FSL / 1,990' FEL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	NABORS 2-28-33XHW	627409	2078217	35° 03' 25.55" -97° 44' 19.18"	35.057097 -97.738660	566' FNL / 660' FWL (NW/4 SEC 28)	1167.73'	1166.42'
LP-2	LANDING POINT	627020	2078217	35° 03' 21.70" -97° 44' 19.19"	35.056028 -97.738664	955' FNL / 660' FWL (NW/4 SEC 28)	--	--
BHL-2	BOTTOM HOLE LOCATION	617444	2078222	35° 01' 46.98" -97° 44' 19.42"	35.029716 -97.738728	50' FSL / 660' FWL (SW/4 SEC 33)	--	--
W3	NABORS 3-28-33XHM	627432	2078236	35° 03' 25.77" -97° 44' 18.94"	35.057159 -97.738596	544' FNL / 680' FWL (NW/4 SEC 28)	1166.43'	1166.42'
LP-3	LANDING POINT	627432	2078711	35° 03' 25.76" -97° 44' 13.23"	35.057155 -97.737007	544' FNL / 1155' FWL (NW/4 SEC 28)	--	--
BHL-3	BOTTOM HOLE LOCATION	617445	2078717	35° 01' 46.97" -97° 44' 13.47"	35.029715 -97.737075	50' FSL / 1155' FWL (SW/4 SEC 33)	--	--
X-1	NABORS #28-A	623994	2078878	35° 02' 51.75" -97° 44' 11.32"	35.047709 -97.736479	28-7N-5W:SW4 TD: 13,479' 1,320' FSL / 1,320' FWL	--	--
X-2	MOORE #1-28	623123	2078409	35° 02' 43.15" -97° 44' 17.00"	35.045318 -97.738055	28-7N-5W:SE4SW4SW4 TD: 7,350' 450' FSL / 850' FWL	--	--
X-3	REYNOLDS #B-1	619708	2080635	35° 02' 09.31" -97° 43' 50.33"	35.035920 -97.730647	33-7N-5W:NW4NW4SE4 TD: 7,400' 2,310' FSL / 430' FWL	--	--
X-4	NABORS #1-33-28XH	617679	2080666	35° 01' 49.23" -97° 43' 47.62"	35.030342 -97.729895	33-7N-5W:SE4SW4SW4SE4 TD: 22,119' 280' FSL / 1,990' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: **--**--18
 Date Drawn: 09-27-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	09-27-18	HOG	ISSUED FOR APPROVAL	--

EXHIBIT: A (3 of 3)

SHEET: 8.5x14

SHL: 28-7N-5W

BHL-3 33-7N-5W

PETRO LAND SERVICES SOUTH, LLC

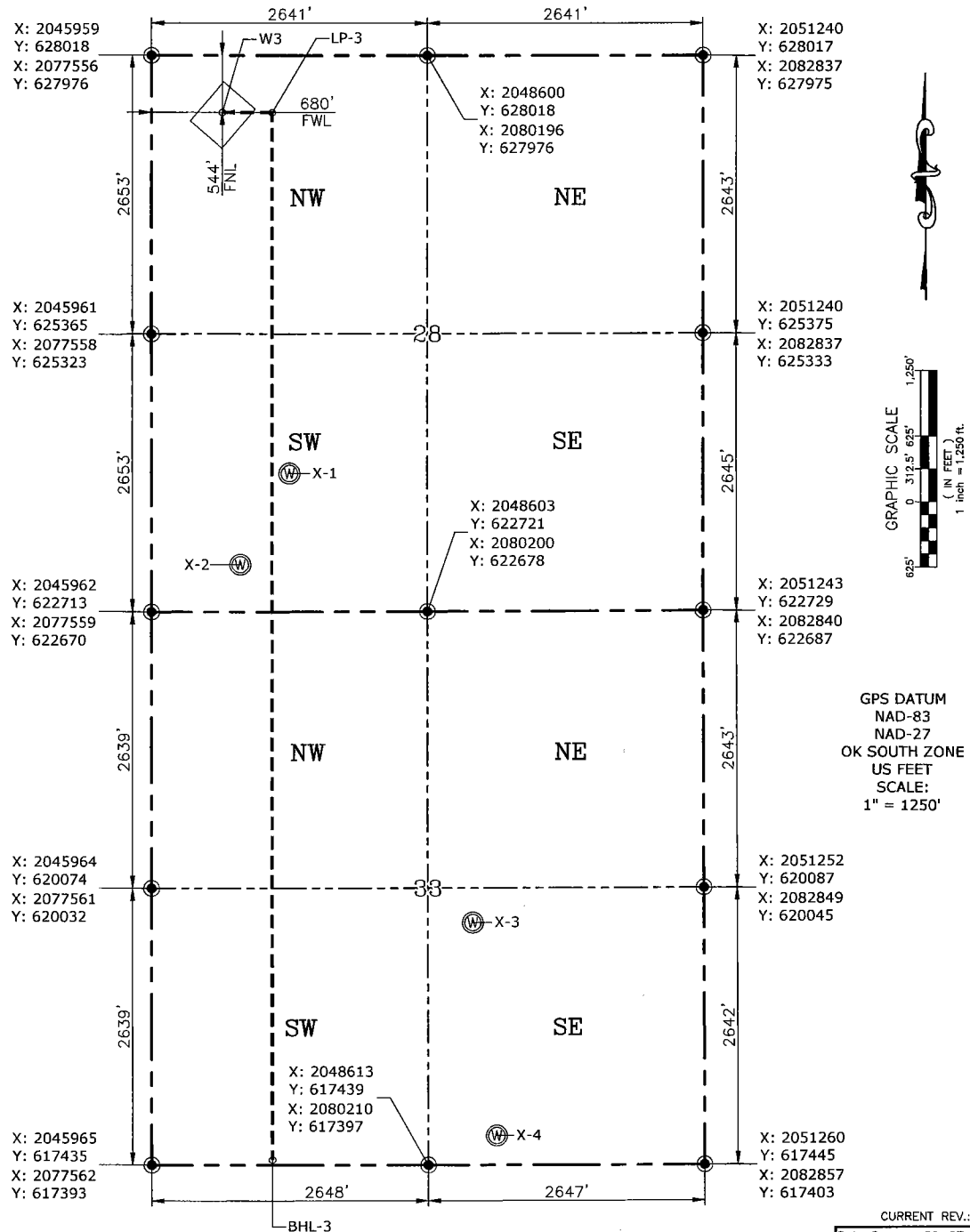
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318CONTINENTAL
RESOURCES, INC
(OPERATOR)

GRADY

County Oklahoma

544' FNL-680' FWL Section 28 Township 7N Range 5W I.M.

WELL: NABORS 3-28-33XHM



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