

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

API NUMBER: 051 24420

Approval Date: 07/23/2018

Expiration Date: 01/23/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ NW ☐ SW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1655 296

Lease Name: WILLIAMS

Well No: 2-25-24-13XHW

Well will be 296 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

DESERT ROSE FAMILY, LLC C/O GALA HARPER
2439 COUNTY STREET 2872
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	12265	6	
2	WOODFORD	12570	7	
3	HUNTON	12690	8	
4			9	
5			10	

Spacing Orders: 151109
659654
586675
163257
582004

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805057
201805058
201805051
201805052
201805053

Special Orders:

Total Depth: 21489

Ground Elevation: 1144

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 390

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: 18-34838

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 13 Twp 7N Rge 6W County GRADY

Spot Location of End Point: S2 SW SW NW

Feet From: NORTH 1/4 Section Line: 2482

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 12093

Radius of Turn: 477

Direction: 2

Total Length: 8647

Measured Total Depth: 21489

True Vertical Depth: 12690

End Point Location from Lease,

Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

7/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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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.

051 24420 WILLIAMS 2-25-24-13XHW

Category	Description
HYDRAULIC FRACTURING	<p>7/3/2018 - 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>7/3/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT</p>
PENDING CD - 201805051	<p>7/6/2018 - G75 - (I.O.) 25-7N-6W XOTHER X659654 WDFD 4 WELLS CONTINENTAL RESOURCES, INC. REC 7-23-2018 (DENTON)</p>
PENDING CD - 201805052	<p>7/6/2018 - G75 - (I.O.) 24-7N-6W XOTHER X586675 WDFD 4 WELLS CONTINENTAL RESOURCES, INC. REC 7-23-2018 (DENTON)</p>
PENDING CD - 201805053	<p>7/6/2018 - G75 - (I.O.) 13-7N-6W XOTHER X582004 WDFD 3 WELLS CONTINENTAL RESOURCES, INC. REC 7-23-2018 (DENTON)</p>
PENDING CD - 201805057	<p>7/6/2018 - G75 - (I.O.) 25, 24 & 13-7N-6W EST MULTIUNIT HORIZONTAL WELL X151109 MSSLM, HNTN 25-7N-6W X659654 WDFD 25-7N-6W X151109 MSSLM, HNTN 24-7N-6W X586675 WDFD 24-7N-6W X163257 MSSLM, HNTN 13-7N-6W X582004 WDFD 13-7N-6W (MSSLM, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 10% 25-7N-6W 60% 24-7N-6W 30% 13-7N-6W CONTINENTAL RESOURCES, INC. REC 7-23-2018 (DENTON)</p>
PENDING CD - 201805058	<p>7/6/2018 - G75 - (I.O.) 25, 24 & 13-7N-6W X151109 MSSLM, HNTN 25-7N-6W X659654 WDFD 25-7N-6W X151109 MSSLM, HNTN 24-7N-6W X586675 WDFD 24-7N-6W X163257 MSSLM, HNTN 13-7N-6W X582004 WDFD 13-7N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO PROPOSED WELLS COMPL. INT. (25-7N-6W) NCT 2640' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (24-7N-6W) NCT 0' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (13-7N-6W) NCT 0' FSL, NCT 2640' FNL, NCT 330' FWL CONTINENTAL RESOURCES, INC. REC 7-23-2018 (DENTON)</p>
SPACING - 151109	<p>7/6/2018 - G75 - (640) 24 & 25-7N-6W EXT OTHER EST MSSLM, OTHERS EXT 106361 HNTN</p>

This permit does not address the right of entry or settlement of surface damages.

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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 - 163257	7/6/2018 - G75 - (640) 13-7N-6W EXT OTHERS EXT 156047 HNTN EXT 151109 MSSLM, OTHERS EST OTHERS
SPACING - 582004	7/6/2018 - G75 - (640) 13-7N-6W EST OTHER EXT OTHERS EXT 568015 WDFD, OTHERS
SPACING - 586675	7/6/2018 - G75 - (640) 24-7N-6W EXT 568015 WDFD, OTHER EXT OTHER
SPACING - 659654	7/6/2018 - G75 - (640) 25-7N-6W EXT 583128 WDFD

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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.

EXHIBIT: A (2 of 4)
 SHEET: 8.5x11
 SHL: 25-7N-6W
 BHL-2 13-7N-6W
 BHL-3 13-7N-6W



API 051-24420

COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 25 Township 7N Range 6W I.M.

Well: WILLIAMS 2-25-24-13XHW

County GRADY State OK

Well: WILLIAMS 3-25-24-13XHM

Operator CONTINENTAL RESOURCES, INC.

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	WILLIAMS 2-25-24-13XHW	626258	2062081	35° 03' 14.54" -97° 47' 33.29"	35.054038 -97.792581	1655' FNL / 296' FWL (NW/4 SEC 25)	1143.53'	1144.11'
LP-2	LANDING POINT	626258	2062115	35° 03' 14.53" -97° 47' 32.88"	35.054037 -97.792467	1655' FNL / 330' FWL (NW/4 SEC 25)	--	--
BHL-2	BOTTOM HOLE LOCATION	636006	2062097	35° 04' 50.95" -97° 47' 32.85"	35.080819 -97.792459	2800' FSL / 330' FWL (NW/4 SEC 13)	--	--
W3	WILLIAMS 3-25-24-13XHM	626228	2062081	35° 03' 14.24" -97° 47' 33.29"	35.053955 -97.792581	1685' FNL / 296' FWL (NW/4 SEC 25)	1136.01'	1144.11'
LP-3	LANDING POINT	626230	2062685	35° 03' 14.24" -97° 47' 26.02"	35.053955 -97.790562	1685' FNL / 900' FWL (NW/4 SEC 25)	--	--
BHL-3	BOTTOM HOLE LOCATION	636015	2062667	35° 04' 51.03" -97° 47' 25.99"	35.080842 -97.790554	2800' FSL / 900' FWL (NW/4 SEC 13)	--	--
X-1	NEWKIRK #1-13	637165	2064411	35° 05' 02.37" -97° 47' 04.98"	35.083991 -97.784718	13-7N-6W:E2E2NW4 TD: 7,525' 1,320' FNL / 2,640' FWL	--	--
X-2	MCCALLA #1	637630	2063464	35° 05' 06.98" -97° 47' 16.37"	35.085273 -97.787881	13-7N-6W:NE4SW4NE4NW4 TD: 13,000' 1,790' FSL / 1,700' FWL	--	--
X-3	BIRT #1-13H	633452	2062158	35° 04' 25.68" -97° 47' 32.19"	35.073801 -97.792275	13-7N-6W:SE4SW4SW4SW4 TD: 16,598' 245' FSL / 385' FWL	--	--
X-4	BIRT #2-13-12XHS	633567	2063412	35° 04' 26.80" -97° 47' 17.09"	35.074111 -97.788081	13-7N-6W:NW4SW4SE4SW4 TD: 21,721' 340' FSL / 1,640' FWL	--	--
X-5	E.W. NUNN #1	629241	2065745	35° 03' 43.96" -97° 46' 49.14"	35.062212 -97.780318	24-7N-6W:SE4 TD: 14,282' 1,320' FSL / 1,320' FWL	--	--
X-6	E.W. NUNN #2	631578	2063092	35° 04' 07.14" -97° 47' 21.00"	35.068649 -97.789166	24-7N-6W:NW4 TD: 7,562' 1,020' FSL / 1,320' FWL	--	--
X-7	RUBY #1-24	632543	2065690	35° 04' 16.62" -97° 46' 49.71"	35.071284 -97.780475	24-7N-6W:NE4 TD: 7,600' 1,980' FSL / 1,270' FWL	--	--
X-8	WILLIAMS #1-24H	630770	2063696	35° 03' 59.12" -97° 47' 13.75"	35.066423 -97.787152	24-7N-6W:NE4NW4NE4NW4 TD: 17,226' 210' FNL / 1,925' FWL	--	--
X-9	BIRT #3-13-12XHS	632800	2065441	35° 04' 19.16" -97° 46' 52.71"	35.071990 -97.781308	24-7N-6W:SE4NE4NW4NE4 TD: 21,516' 430' FNL / 1,628' FEL	--	--
X-10	BIRT #4-13-12XHS	632830	2065441	35° 04' 19.46" -97° 46' 52.71"	35.072072 -97.781308	24-7N-6W:SE4NE4NW4NE4 TD: 21,561' 400' FNL / 1,628' FEL	--	--
X-11	CUMMINGS #1-25	626500	2065904	35° 03' 16.84" -97° 46' 47.31"	35.054678 -97.779808	25-7N-6W:NE4 TD: 14,180' 1,220' FSL / 1,470' FWL	--	--

EXHIBIT: A (3 of 4)
SHEET: 8.5x14
SHL: 25-7N-6W
BHL-2 13-7N-6W

PETRO LAND SERVICES SOUTH, LLC

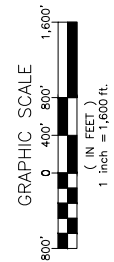
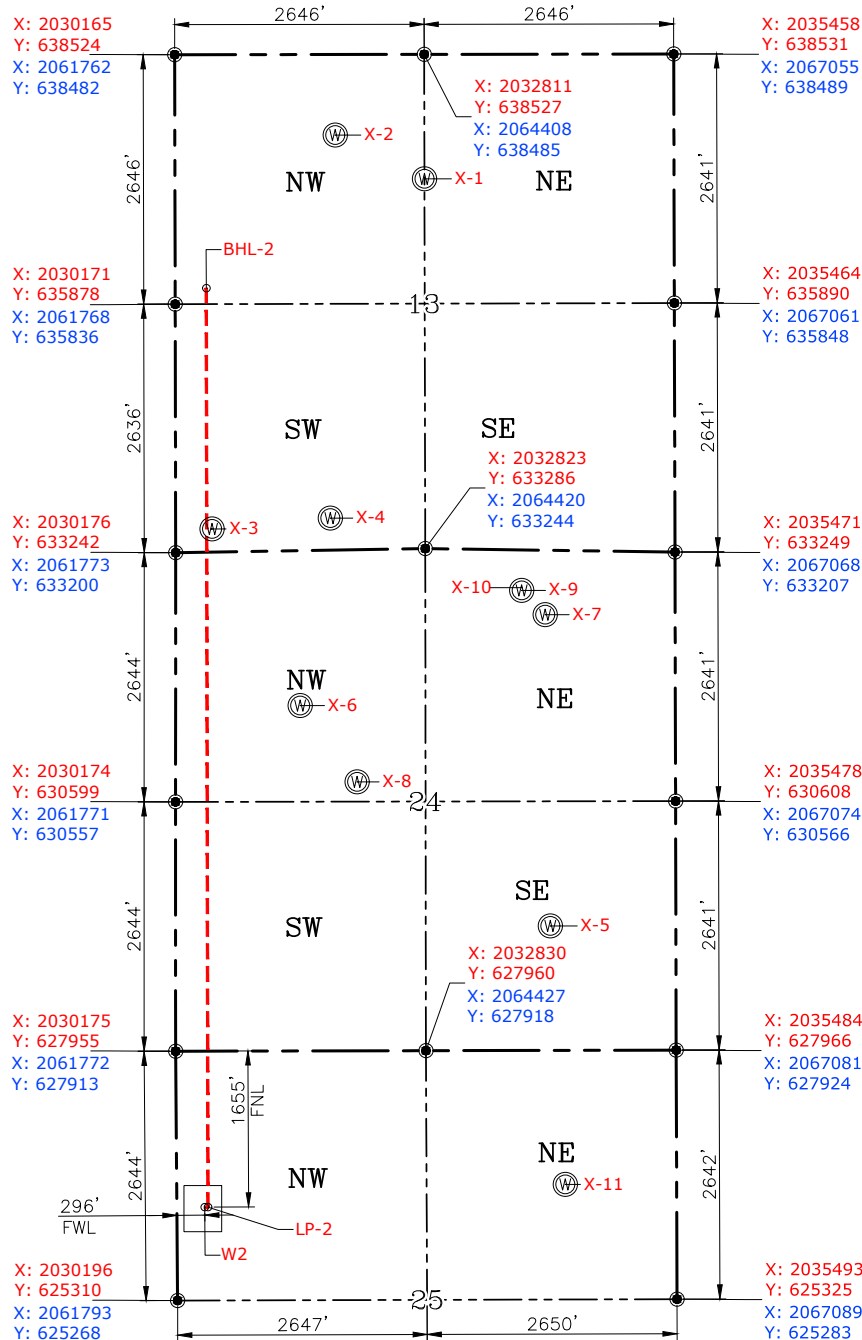
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY County Oklahoma
1655' FNL-296' FWL Section 25 Township 7N Range 6W I.M.

WELL: WILLIAMS
2-25-24-13XHW



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

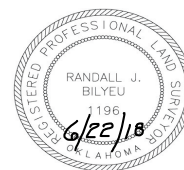
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon 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.

Date Staked: **--**--18
Date Drawn: 06-20-18

CURRENT REV.: 1



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE