

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

API NUMBER: 051 24402

Approval Date: 07/06/2018

Expiration Date: 01/06/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 194 568

Lease Name: WILLIAMS

Well No: 7-24-13XHW

Well will be 194 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

SCHLECHT FARM, INC. C/O JAMES SCHLECHT
1174 COUNTY ROAD 1410
NINNEKAH OK 73067

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	12521	6	
2	WOODFORD	12596	7	
3	HUNTON	12761	8	
4			9	
5			10	

Spacing Orders: 151109
586675
163257
582004

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805068
201805069
201805052
201805053

Special Orders:

Total Depth: 19931

Ground Elevation: 1224

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 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

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

PERMIT NO: 18-34772

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 13 Twp 7N Rge 6W County GRADY

Spot Location of End Point: S2 SE SE NE

Feet From: NORTH 1/4 Section Line: 2482

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 12093

Radius of Turn: 477

Direction: 3

Total Length: 7089

Measured Total Depth: 19931

True Vertical Depth: 12761

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

Notes:

Category

Description

DEEP SURFACE CASING

7/5/2018 - 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

7/5/2018 - 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; 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

MEMO

7/5/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201805052

7/6/2018 - G75 - (I.O.) 24-7N-6W
XOTHER
X586675 WDFD
4 WELLS
CONTINENTAL RESOURCES, INC.
HEARING 7-23-2018

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

051 24402 WILLIAMS 7-24-13XHW

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 - 201805053	7/6/2018 - G75 - (I.O.) 13-7N-6W XOTHER X582004 WDFD 3 WELLS CONTINENTAL RESOURCES, INC. HEARING 7-23-2018
PENDING CD - 201805068	7/6/2018 - G75 - (E.O.) 24 & 13-7N-6W EST MULTIUNIT HORIZONTAL WELL 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) 66% 24-7N-6W 34% 13-7N-6W CONTINENTAL RESOURCES, INC. REC 7-6-2018 (THOMAS)
PENDING CD - 201805069	7/6/2018 - G75 - (E.O.) 24 & 13-7N-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. (24-7N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (13-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 7-6-2018 (THOMAS)
SPACING - 151109	7/6/2018 - G75 - (640) 24-7N-6W EXT OTHER EST MSSLM, OTHERS EXT 106361 HNTN
SPACING - 163257	7/6/2018 - G75 - (640) 13-7N-6W EXT OTHERS EXT 156047 HNTN EXT 151109 MSSLM, OTHERS EXT 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

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: 8.5x14SHL: 24-7N-6WBHL-7 13-7N-6W

API 051-24402

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 24 Township 7N Range 6W I.M.Well: WILLIAMS 7-24-13XHWCounty GRADY State OKWell: --Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W7	WILLIAMS 7-24-13XHW	628159	2034915	35° 03' 33.07" -97° 46' 41.09"	35.059186 -97.778081	194' FSL / 568' FEL (SE/4 SEC 24)	1222.05	1224.0
LP-7	LANDING POINT	628160	2035154	35° 03' 33.07" -97° 46' 38.22"	35.059185 -97.777284	194' FSL / 330' FEL (SE/4 SEC 24)	--	--
BHL-7	BOTTOM HOLE LOCATION	636054	2035134	35° 04' 51.15" -97° 46' 38.25"	35.080874 -97.777292	2800' FSL / 330' FEL (NE/4 SEC 13)	--	--
X-1	NEWKIRK #1-13	637207	2032814	35° 05' 02.61" -97° 47' 06.13"	35.084057 -97.785036	13-7N-6W:E2E2NW4 TD: 7,525' 1,320' FNL / 2,640' FWL	--	--
X-2	MCCALLA #1	637672	2031867	35° 05' 07.22" -97° 47' 17.52"	35.085339 -97.788200	13-7N-6W:NE4SW4NE4NW4 TD: 13,000' 1,790' FSL / 1,700' FWL	--	--
X-3	BIRT #1-13H	633494	2030561	35° 04' 25.92" -97° 47' 33.34"	35.073867 -97.792593	13-7N-6W:SE4SW4SW4SW4 TD: 16,598' 245' FSL / 385' FWL	--	--
X-4	BIRT #2-13-12XHS	633609	2031816	35° 04' 27.04" -97° 47' 18.24"	35.074178 -97.788399	13-7N-6W:NW4SW4SE4SW4 TD: 21,721' 340' FSL / 1,640' FWL	--	--
X-5	E.W. NUNN #1	629283	2034148	35° 03' 44.20" -97° 46' 50.29"	35.062278 -97.780636	24-7N-6W:SE4 TD: 14,282' 1,320' FSL / 1,320' FWL	--	--
X-6	E.W. NUNN #2	631621	2031495	35° 04' 07.37" -97° 47' 22.14"	35.068715 -97.789484	24-7N-6W:NW4 TD: 7,562' 1,020' FSL / 1,320' FWL	--	--
X-7	RUBY #1-24	632585	2034094	35° 04' 16.86" -97° 46' 50.86"	35.071350 -97.780794	24-7N-6W:NE4 TD: 7,600' 1,980' FSL / 1,270' FWL	--	--
X-8	WILLIAMS #1-24H	630812	2032100	35° 03' 59.36" -97° 47' 14.89"	35.066489 -97.787470	24-7N-6W:NE4NW4NE4NW4 TD: 17,226' 210' FNL / 1,925' FWL	--	--
X-9	BIRT #3-13-12XHS	632842	2033844	35° 04' 19.40" -97° 46' 53.85"	35.072056 -97.781626	24-7N-6W:SE4NE4NW4NE4 TD: 21,516' 430' FNL / 1,628' FEL	--	--
X-10	BIRT #4-13-12XHS	632872	2033844	35° 04' 19.70" -97° 46' 53.85"	35.072139 -97.781626	24-7N-6W:SE4NE4NW4NE4 TD: 21,561' 400' FNL / 1,628' FEL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W7	WILLIAMS 7-24-13XHW	628117	2066512	35° 03' 32.83" -97° 46' 39.94"	35.059119 -97.777762	194' FSL / 568' FEL (SE/4 SEC 24)	1222.05	1224.0
LP-7	LANDING POINT	628118	2066750	35° 03' 32.83" -97° 46' 37.08"	35.059118 -97.776966	194' FSL / 330' FEL (SE/4 SEC 24)	--	--
BHL-7	BOTTOM HOLE LOCATION	636012	2066731	35° 04' 50.91" -97° 46' 37.10"	35.080808 -97.776973	2800' FSL / 330' FEL (NE/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	--	--

Certificate of Authorization No. 7318

Date Staked: 06-14-18

Date Drawn: 06-14-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	06-14-18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 24-7N-6W
BHL-7 13-7N-6W

PETRO LAND SERVICES SOUTH, LLC

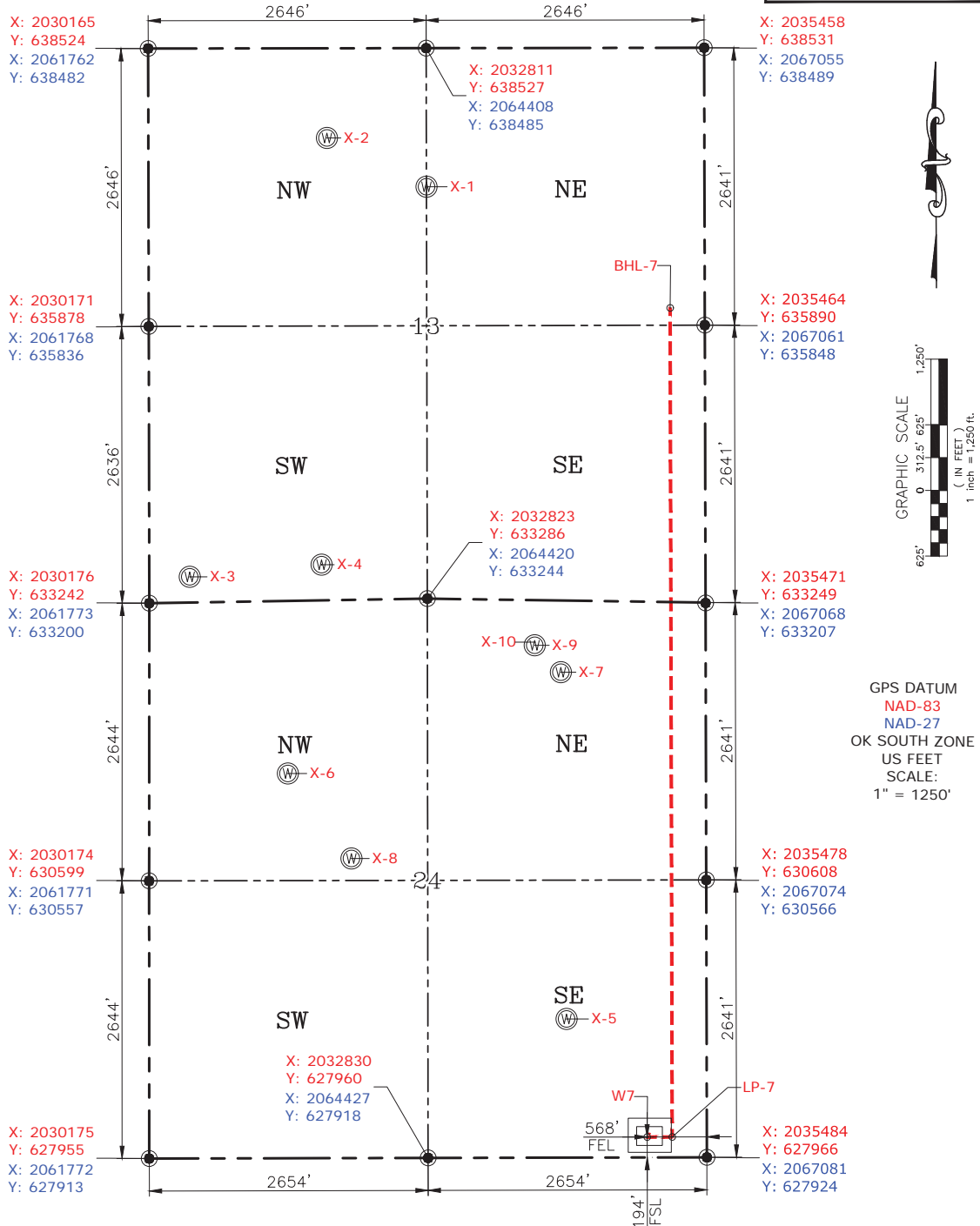
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY _____ County Oklahoma
194' FSL-568' FEL Section 24 Township 7N Range 6W I.M.

WELL: WILLIAMS
7-24-13XHW



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: 06-14-18
Date Drawn: 06-14-18

CURRENT REV.: 0



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE