

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

API NUMBER: 051 24724 A

Approval Date: 09/23/2019
Expiration Date: 03/23/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE THE SHL & NAME & ADD ORDERS; ADD
SECTION 27 TO MU AND LE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 6N Rge: 5W County: GRADY
SPOT LOCATION: NW SW NW NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 790 295

Lease Name: GALVIN Well No: 7-27-22-15XHW Well will be 295 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

CHAD W. GLEAVE
2063 COUNTY ROAD 1237
TUTTLE OK 73089

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11958	6	
2	WOODFORD	12258	7	
3	HUNTON	12448	8	
4			9	
5			10	

Spacing Orders: 147146 Location Exception Orders: Increased Density Orders: 702496
590519
106361
595406 702805

Pending CD Numbers: 201905038
201905048
201903620
201903619

Special Orders:

Total Depth: 23585 Ground Elevation: 1108 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: 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: 5000 Average: 3000

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36771
H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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: DUNCAN

HORIZONTAL HOLE 1

Sec 15 Twp 6N Rge 5W County GRADY

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 12013

Radius of Turn: 493

Direction: 355

Total Length: 10798

Measured Total Depth: 23585

True Vertical Depth: 12448

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

Notes:

Category

Description

DEEP SURFACE CASING

8/27/2019 - GC3 - 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

8/27/2019 - GC3 - 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

INCREASED DENSITY - 702496

9/18/2019 - GC2 - 22-6N-5W
X590519 WDFD
9 WELLS
NO OP. NAMED
9/19/2019

INCREASED DENSITY - 702805

10/29/2019 - GC2 - 27-6N-5W
X595406 WDFD
4 WELLS
NO OP. NAMED
9-25-2019

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

The duration of this permit is 18 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 24724 GALVIN 7-27-22-15XHW

MEMO	8/27/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (LAFLIN CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201903619	9/18/2019 - GC2 - (I.O.)(640) 15-6N-5W EXT 626437 WDFD REC. 8/5/2019 (M. PORTER)
PENDING CD - 201903620	9/18/2019 - GC2 - 15-6N-5W X201903619 WDFD 4 WELLS NO OP. NAMED REC. 8/5/2019 (M. PORTER)
PENDING CD - 201905038	9/18/2019 - GC2 - (I.O.) 27, 22 & 15-6N-5W EST MULTIUNIT HORIZONTAL WELL X201903619 WDFD 15-6N-5W X147146 MSSP, HNTN 15 & 22-6N-5W X590519 WDFD 22-6N-5W X595406 MSSP, WDFD 27-6N-5W X106361 HNTN 27-6N-5W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 10% 27-6N-5W 46% 22-6N-5W 44% 15-6N-5W CONTINENTAL RESOURCES, INC REC. 10/28/2019 (MILLER)
PENDING CD - 201905048	9/18/2019 - GC2 - (I.O.) 27, 22 & 15-6N-5W X201903619 WDFD 15-6N-5W X147146 MSSP, HNTN 15 & 22-6N-5W X590519 WDFD 22-6N-5W X595406 MSSP, WDFD 27-6N-5W X103361 HNTN 27-6N-5W +++ X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO GOOD MARTIN 7-10-3XH, GOOD MARTIN 8-10-3XH, & GALVIN 6-27-2-15XHW*** COMPL. INT. (22-6N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (15-6N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC REC. 10/28/2019 (MILLER) ***S/B GALVIN 6-27-22-15XHW; WILL BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR +++S/B X106361; WILL BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR
SPACING - 106361	10/29/2019 - GC2 - (640) 27-6N-5W EST HNTN, OTHERS
SPACING - 147146	9/18/2019 - GC2 - (640) 15 & 22-6N-5W EXT 131103 HNTN, OTHERS EST MSSP, OTHERS
SPACING - 590519	9/18/2019 - GC2 - (640) 22-6N-5W EXT OTHER EXT 587940 WDFD, OTHERS
SPACING - 595406	10/29/2019 - GC2 - (640) 27-6N-5W EXT 167964/VAR/190352 MSSP, WDFD, OTHERS
WATERSHED STRUCTURE	10/18/2019 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 224-0523 PRIOR TO DRILLING

EXHIBIT: A (1 of 2)
 SHEET: 8.5x14
 SHL: 26-6N-5W
 BHL-7 15-6N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 26 Township 6N Range 5W I.M. Well: GALVIN 7-27-22-15XHW
 County GRADY State OK Well: ---
 Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W7	GALVIN 7-27-22-15XHW	595493	2056934	34° 58' 09.41" -97° 42' 17.37"	34.969280 -97.704825	790' FNL / 295' FVL (NW/4 SEC 26)	1104.33' / 1107.70'
LP-7	LANDING POINT	595491	2056309	34° 58' 09.41" -97° 42' 24.85"	34.969279 -97.706912	790' FNL / 330' FEL (NE/4 SEC 27)	---
BHL-7	BOTTOM HOLE LOCATION	606801	2056280	35° 00' 01.28" -97° 42' 24.84"	35.000355 -97.706900	50' FNL / 330' FEL (NE/4 SEC 15)	---
X-1	GOOD #1	604502	2055288	34° 59' 38.55" -97° 42' 36.85"	34.994044 -97.710235	15-6N-5W: TD: 13,850' 2,352' FNL / 1,331' FEL	---
X-2	SPVEY #1-15	603099	2052147	34° 59' 24.77" -97° 43' 14.85"	34.990214 -97.720735	15-6N-5W: TD: 13,778' 1,529' FSL / 829' FVL	---
X-3	GOOD MARTIN #5-10-3XH	606555	2054271	34° 59' 58.90" -97° 42' 49.00"	34.996694 -97.713810	15-6N-5W: TD: 20,041' 300' FNL / 2,340' FEL	---
X-4	GOOD MARTIN #3-10-3XH	606557	2052932	34° 59' 58.95" -97° 43' 05.09"	34.997111 -97.718081	15-6N-5W: TD: 17,821' 300' FNL / 1,620' FVL	---
X-5	GOOD MARTIN #1-10-3XH	606560	2051612	34° 59' 59.02" -97° 43' 20.96"	34.997227 -97.722489	15-6N-5W: TD: 20,102' 300' FNL / 300' FVL	---
X-6	GOOD MARTIN #4-10-3XH	606557	2052977	34° 59' 58.95" -97° 43' 04.55"	34.997110 -97.717931	15-6N-5W: TD: 20,268' 300' FNL / 1,665' FVL	---
X-7	GOOD MARTIN #2-10-3XH	606560	2051637	34° 59' 59.02" -97° 43' 20.42"	34.997227 -97.722338	15-6N-5W: TD: 20,242' 300' FNL / 345' FVL	---
X-8	GOOD MARTIN #6-10-3XH	606555	2054316	34° 59' 58.90" -97° 42' 48.46"	34.996683 -97.713460	15-6N-5W: TD: 20,170' 300' FNL / 2,295' FEL	---
X-9	PAYNE #1-22	600170	2055097	34° 50' 55.72" -97° 42' 39.29"	34.982144 -97.710913	22-6N-5W: TD: 13,750' 1,400' FNL / 1,534' FEL	---
X-10	GRIBI #1-22	598096	2052640	34° 58' 35.28" -97° 43' 08.88"	34.976466 -97.719134	22-6N-5W: TD: 12,990' 1,820' FSL / 1,320' FVL	---
X-11	GALVIN #1-22-27XH	601270	2051770	34° 59' 06.69" -97° 43' 19.23"	34.985191 -97.722009	22-6N-5W: TD: 19,635' 300' FNL / 450' FVL	---
X-12	SPARKS #1-27H	591182	2052136	34° 57' 26.80" -97° 43' 15.17"	34.957474 -97.720881	27-6N-5W: TD: 17,443' 200' FSL / 800' FVL	---

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W7	GALVIN 7-27-22-15XHW	595451	2088531	34° 58' 09.16" -97° 42' 16.24"	34.969211 -97.704510	790' FNL / 295' FVL (NW/4 SEC 26)	1104.33' / 1107.70'
LP-7	LANDING POINT	595449	2087908	34° 58' 09.16" -97° 42' 23.75"	34.969210 -97.706597	790' FNL / 330' FEL (NE/4 SEC 27)	---
BHL-7	BOTTOM HOLE LOCATION	606759	2087677	35° 00' 01.03" -97° 42' 23.70"	35.000287 -97.706584	50' FNL / 330' FEL (NE/4 SEC 15)	---
X-1	GOOD #1	604460	2086884	34° 59' 38.31" -97° 42' 35.71"	34.993975 -97.709920	15-6N-5W: TD: 13,850' 2,352' FNL / 1,331' FEL	---
X-2	SPVEY #1-15	603057	2083743	34° 59' 24.52" -97° 43' 13.51"	34.990145 -97.720420	15-6N-5W: TD: 13,778' 1,529' FSL / 829' FVL	---
X-3	GOOD MARTIN #5-10-3XH	606513	2085888	34° 59' 58.65" -97° 42' 47.85"	34.996625 -97.713295	15-6N-5W: TD: 20,041' 300' FNL / 2,340' FEL	---
X-4	GOOD MARTIN #3-10-3XH	606515	2084529	34° 59' 58.71" -97° 43' 03.96"	34.996642 -97.717765	15-6N-5W: TD: 17,821' 300' FNL / 1,620' FVL	---
X-5	GOOD MARTIN #1-10-3XH	606518	2083209	34° 59' 58.77" -97° 43' 19.82"	34.996659 -97.722173	15-6N-5W: TD: 20,102' 300' FNL / 300' FVL	---
X-6	GOOD MARTIN #4-10-3XH	606515	2084574	34° 59' 58.71" -97° 43' 03.41"	34.996642 -97.717615	15-6N-5W: TD: 20,268' 300' FNL / 1,665' FVL	---
X-7	GOOD MARTIN #2-10-3XH	606518	2083254	34° 59' 58.77" -97° 43' 19.28"	34.996658 -97.722022	15-6N-5W: TD: 20,242' 300' FNL / 345' FVL	---
X-8	GOOD MARTIN #6-10-3XH	606513	2085913	34° 59' 58.65" -97° 42' 47.32"	34.996625 -97.713144	15-6N-5W: TD: 20,170' 300' FNL / 2,295' FEL	---
X-9	PAYNE #1-22	600128	2086894	34° 58' 55.47" -97° 42' 38.15"	34.982076 -97.710588	22-6N-5W: TD: 13,750' 1,400' FNL / 1,534' FEL	---
X-10	GRIBI #1-22	598054	2084237	34° 58' 35.03" -97° 43' 07.75"	34.976397 -97.718818	22-6N-5W: TD: 12,990' 1,820' FSL / 1,320' FVL	---
X-11	GALVIN #1-22-27XH	601228	2083397	34° 59' 08.44" -97° 43' 18.10"	34.985123 -97.721693	22-6N-5W: TD: 19,635' 300' FNL / 450' FVL	---
X-12	SPARKS #1-27H	591140	2083733	34° 57' 26.86" -97° 43' 14.04"	34.957404 -97.720566	27-6N-5W: TD: 17,443' 200' FSL / 800' FVL	---

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	6-21-19	7-16-19	HOG	ISSUED FOR APPROVAL	---
01	8-1-19	8-5-19	HOG	MOVED PAD SOUTH	REV'D ALL EXHIBITS
02	8-8-19	8-5-19	HOG	MOVED NORTHWEST BENCHMARK	REV'D EXHIBITS H & I
03	10-17-19	**--**--19	HOG	MOVED PAD SOUTH	REV'D ALL EXHIBITS

Certificate of Authorization No. 7318



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

EXHIBIT: A (2 of 2)

SHEET: 8.5x14

SHL: 26-6N-5W

BHL-7 15-6N-5W

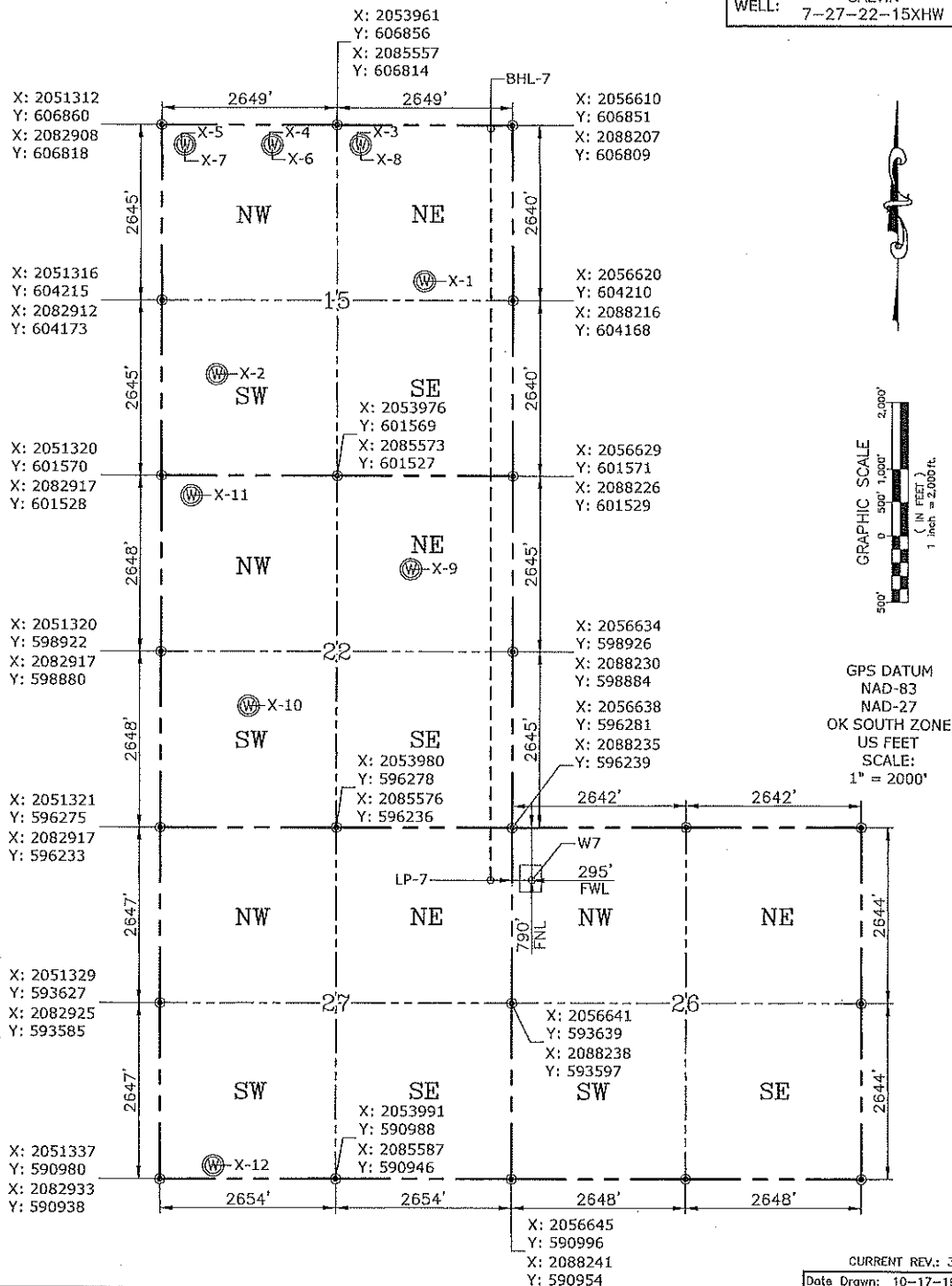
PETRO LAND SERVICES SOUTH, LLC

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

GRADY

County Oklahoma

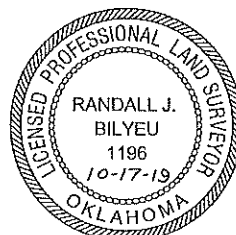
790' FNL-295' FWL Section 26 Township 6N Range 5W I.M.

WELL: GALVIN
7-27-22-15XHW

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.



Oklahoma PLS No.1196 DATE