API NUMBER: 051 24458

Horizontal Hole Oil & Gas

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

Approval Date: 08/30/2018
Expiration Date: 02/28/2019

PERMIT TO DRILL

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

SPOT LOCATION: N2 S2 SE SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **475** **660**

Lease Name: HART **Well No: 4-25-24XHS** **Well will be 475 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

SHAWN R. & DONNA K. LEDFORD
P.O. BOX 404
CHICKASHA OK 73023

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

	Name	Depth		Name	Depth
1	SPRINGER	11812	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 202656 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201805547
201805559
201805560
201805550
201805549

Special Orders:

Total Depth: 22177 Ground Elevation: 1237 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35058
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 24 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11560

Radius of Turn: 392

Direction: 2

Total Length: 10000

Measured Total Depth: 22177

True Vertical Depth: 11812

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

Notes:

Category	Description
DEEP SURFACE CASING	8/3/2018 - 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	8/3/2018 - 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	8/3/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201805547	8/20/2018 - G57 - (640) 25-7N-6W EXT 583128 SPRG, OTHER REC 8-7-2018 (DENTON)

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 - 201805549	8/20/2018 - G57 - 25-7N-6W X201805547 SPRG 3 WELLS CONTINENTAL RESOURCES, INC. REC 8-13-2018 (P. PORTER)
PENDING CD - 201805550	8/20/2018 - G57 - 24-7N-6W X202656 SPRG 3 WELLS CONTINENTAL RESOURCES, INC. REC 8-13-2018 (P. PORTER)
PENDING CD - 201805559	8/20/2018 - G57 - (I.O.) 25 & 24-7N-6W EST MULTIUNIT HORIZONTAL WELL X201805547 SPRG 25-7N-6W X202656 SPRG 24-7N-6W 50% 25-7N-6W 50% 24-7N-6W CONTINENTAL RESOURCES, INC. REC 8-7-2018 (FOREMAN)
PENDING CD - 201805560	8/20/2018 - G57 - (I.O.) 25 & 24-7N-6W X201805547 SPRG 25-7N-6W X202656 SPRG 24-7N-6W COMPL. INT. (25-7N-6W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (24-7N-6W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 8-7-2018 (FOREMAN)
SPACING - 202656	8/20/2018 - G57 - (640) 24-7N-6W EXT OTHERS EXT 150355 SPRG, 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 4)
SHEET: 8.5x14
SHL: 25–7N–6W
BHL-3 1–6N–6W
BHL-4 24–7N–6W

API:051 24458

COVER SHEET

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: WHEELER FARMS 3–36–1XHS

County GRADY State OK Well: HART 4–25–24XHS

Operator CONTINENTAL RESOURCES, INC.

NAD–83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W3	WHEELER FARMS 3–36–1XHS	623156	2034807	35° 02' 43.59" –97° 46' 42.53"	35.045441 –97.778480	475' FSL / 690' FEL (PART OF SE/4 SEC 25)	1238.86	1236.70
LP–3	LANDING POINT	622630	2034498	35° 02' 38.39" –97° 46' 46.26"	35.043997 –97.779516	50' FNL / 1000' FEL (NE/4 SEC 36)	--	--
BHL–3	BOTTOM HOLE LOCATION	612142	2034518	35° 00' 54.65" –97° 46' 46.29"	35.015180 –97.779525	50' FSL / 1000' FEL (SE/4 SEC 01)	--	--
W4	HART 4–25–24XHS	623156	2034837	35° 02' 43.59" –97° 46' 42.17"	35.045441 –97.778379	475' FSL / 660' FEL (PART OF SE/4 SEC 25)	1238.95	1236.70
LP–4	LANDING POINT	623386	2034836	35° 02' 45.86" –97° 46' 42.16"	35.046072 –97.778379	705' FSL / 660' FEL (SE/4 SEC 25)	--	--
BHL–4	BOTTOM HOLE LOCATION	633208	2034811	35° 04' 23.01" –97° 46' 42.21"	35.073057 –97.778391	50' FNL / 660' FEL (NE/4 SEC 24)	--	--
X–1	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–2	E.W. NUNN #2	631921	2031495	35° 04' 10.34" –97° 47' 22.13"	35.069539 –97.789481	24–7N–6W:NW4 | TD: 7,562' | 1,020' FSL / 1,320' FWL	--	--
X–3	RUBY #1–24	632585	2034094	35° 04' 16.86" –97° 46' 50.86"	35.071350 –97.780794	24–7N–6W:N2NE4 | TD: 7,600' | 1,980' FSL / 1,270' FWL	--	--
X–4	WILLIAMS #1–24H	633064	2032101	35° 04' 21.64" –97° 47' 14.81"	35.072678 –97.787449	24–7N–6W:NE4NW4NE4NW4 | TD: 17,226' | 210' FNL / 1,925' FWL	--	--
X–5	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–6	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	--	--
X–7	WILLIAMS #7–24–13XHW	628153	2032261	35° 03' 33.06" –97° 47' 13.01"	35.059184 –97.786948	24–7N–6W:SW4SE4SE4SE4 | TD: 19,931' | 194' FSL / 568' FEL	--	--
X–8	CUMMINGS #1–25	626542	2034307	35° 03' 17.08" –97° 46' 48.45"	35.054744 –97.780126	25–7N–6W:NE4 | TD: 14,180' | 1,220' FSL / 1,470' FWL	--	--
X–9	HART #1–25	624809	2034165	35° 02' 59.95" –97° 46' 50.20"	35.049986 –97.780611	25–7N–6W:S2N2N2SE4 | TD: 13,890' | 2,130' FSL / 1,320' FWL	--	--
X–10	WILLIAMS #6–25–24–13XHW	626829	2033932	35° 03' 19.93" –97° 46' 52.96"	35.055536 –97.781376	25–7N–6W:SE4SE4NW4NE4 | TD: 18,991' | 1,134' FNL / 1,556' FEL	--	--
X–11	WHEELER #1–36	620030	2031012	35° 02' 12.74" –97° 47' 28.25"	35.036873 –97.791180	36–7N–6W:W2E2W2W2 | TD: 7,750' | 2,640' FSL / 790' FWL	--	--
X–12	PYLE #1–36	620729	2034113	35° 02' 19.60" –97° 46' 50.93"	35.038777 –97.780815	36–7N–6W:SE4NE4SW4NE4 | TD: 13,290' | 1,950' FNL / 1,390' FEL	--	--
X–13	PYLE #1–36–25XH	620242	2032471	35° 02' 14.81" –97° 47' 10.69"	35.037448 –97.786304	36–7N–6W:SW4SE4SE4SW4 | TD: 23,081' | 207' FSL / 2,250' FWL	--	--
X–14	DIBBLE KENT CLIFT SWD #1	622414	2033421	35° 02' 36.27" –97° 46' 59.21"	35.043408 –97.783114	36–7N–6W:E2NW4NW4NE4 | TD: 6,150' | 2,375' FSL / 565' FWL	--	--
X–15	FITZPATRICK #1–1	616061	2034194	35° 01' 33.41" –97° 46' 50.08"	35.025949 –97.780579	1–6N–6W:NE4 | TD: 7,750' | 1,320' FSL / 1,320' FWL	--	--
X–16	FITZPATRICK #1–1	616040	2031546	35° 01' 33.27" –97° 47' 21.92"	35.025909 –97.789423	1–6N–6W:NW4 | TD: 7,815' | 1,320' FSL / 1,320' FWL	--	--
X–17	WHEELER #1–1	612895	2035188	35° 01' 02.08" –97° 46' 38.22"	35.017246 –97.777282	1–6N–6W:NE4SE4SE4 | TD: 13,600' | 800' FSL / 330' FEL	--	--
X–18	HATFIELD RANCH #1–1H	612374	2031000	35° 00' 57.02" –97° 47' 28.58"	35.015838 –97.791272	1–6N–6W:SW4SE4SW4SW4 | TD: 17,996' | 300' FSL / 760' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: **–**–18
Date Drawn: 07–20–18

PLS

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07–20–18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (4 of 4)
SHEET: 8.5x14
SHL: 25–7N–6W
BHL-4 24–7N–6W

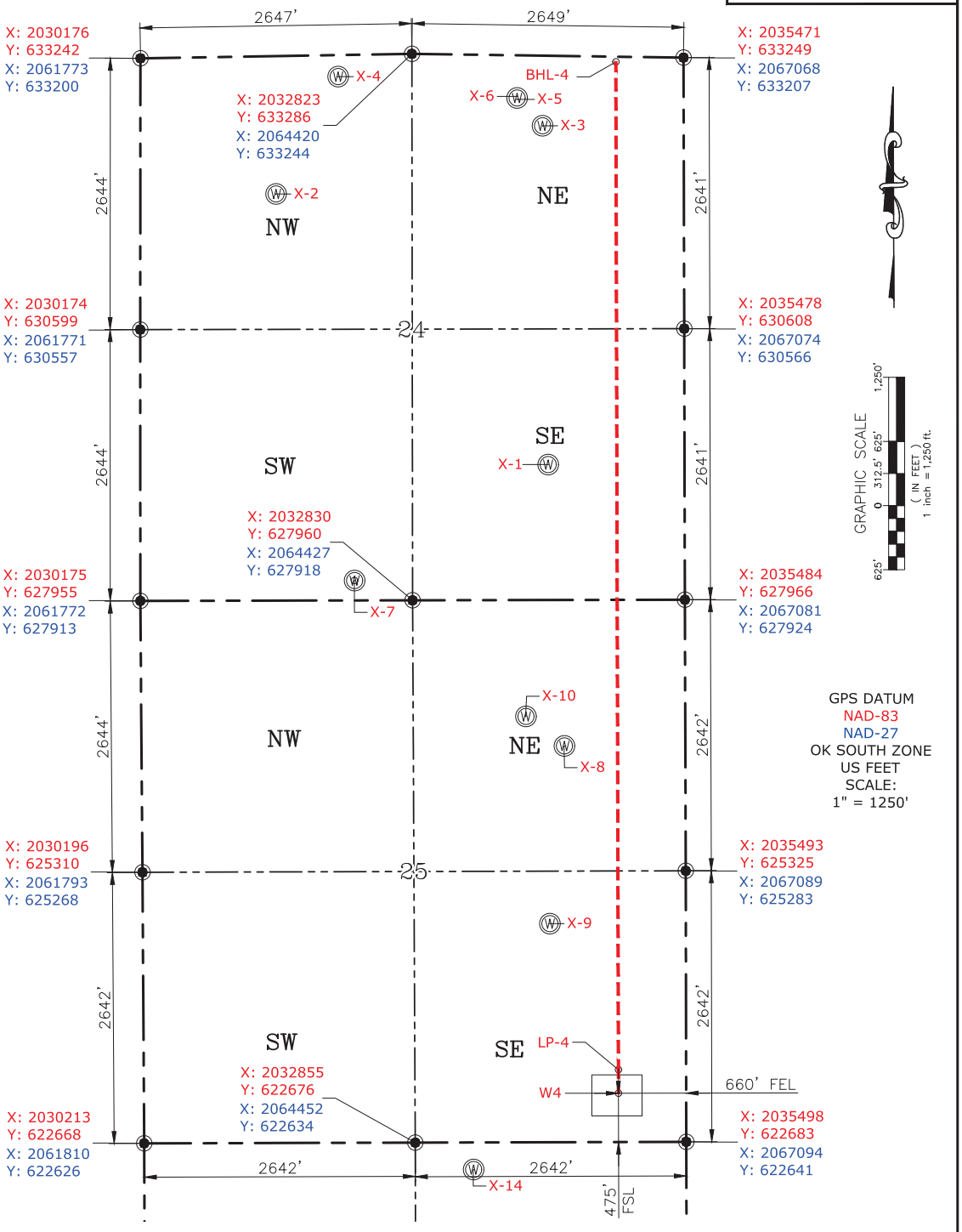
PETRO LAND SERVICES SOUTH, LLC

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

GRADY County Oklahoma
475' FSL–660' FEL Section 25 Township 7N Range 6W I.M.

CONTINENTAL RESOURCES,INC (OPERATOR)

WELL: HART 4–25–24XHS



Date Staked: **–**–18
Date Drawn: 07–20–18
CURRENT REV.: 0

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
RANDALL J. BILYEU
1196
OKLAHOMA
7/25/18

Randall J. Bilyeu

Oklahoma PLS No.1196 DATE