

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

API NUMBER: 051 24461

Approval Date: 08/30/2018

Expiration Date: 02/28/2019

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

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

County: GRADY

SPOT LOCATION:

NW

SE

SW

SE

FEET FROM QUARTER: FROM

SOUTH

FROM

EAST

SECTION LINES:

475

1745

Lease Name: HART

Well No: 3-25-24XHS

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 & DONNA LEDFORD
P.O. BOX 404
CHICKASHA OK 73023

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

Name	Depth	Name	Depth
1 SPRINGER	11842	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 202656

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805557
201805547
201805558
201805550
201805549

Special Orders:

Total Depth: 21814

Ground Elevation: 1215

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

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: 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: 18-35161

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 25 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 11546

Radius of Turn: 418

Direction: 358

Total Length: 9611

Measured Total Depth: 21814

True Vertical Depth: 11842

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

Notes:

Category

Description

DEEP SURFACE CASING

8/10/2018 - 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

8/10/2018 - 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

8/10/2018 - 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.

051 24461 HART 3-25-24XHS

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 - 201805557	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 - 201805558	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 660' FEL COMPL. INT. (24-7N-6W) NCT 0' FSL, NCT 165' FNL, NCT 660' 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

EXHIBIT: A (1 of 2)
SHEET: 8.5x14
SHL: 25-07N-06W
BHL-3 24-07N-06W



API:051 24461

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 07N Range 06W I.M. Well: HART 3-25-24XHS
County GRADY State OK Well: --
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	HART 3-25-24XHS	623153	2033752	35° 02' 43.58" N -97° 46' 55.22" W	35.045438 -97.782004	475' FSL / 1745' FEL (PART OF SE/4 SEC 25)	1216.98	1215.33
LP-3	LANDING POINT	623153	2033517	35° 02' 43.58" N -97° 46' 58.04" W	35.045438 -97.782789	475' FSL / 1980' FEL (SE/4 SEC 25)	--	--
BHL-3	BOTTOM HOLE LOCATION	633227	2033491	35° 04' 23.22" N -97° 46' 58.09" W	35.073116 -97.782803	50' FNL / 1980' FEL (NE/4 SEC 24)	--	--
X-1	E.W. NUNN #1	629283	2034148	35° 03' 44.20" N -97° 46' 50.29" W	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" N -97° 47' 22.13" W	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" N -97° 46' 50.86" W	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" N -97° 47' 14.81" W	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" N -97° 46' 53.85" W	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" N -97° 46' 53.85" W	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" N -97° 47' 13.01" W	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" N -97° 46' 48.45" W	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" N -97° 46' 50.20" W	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" N -97° 46' 52.96" W	35.055536 -97.781376	25-7N-6W:SE4SE4NW4NE4 TD: 18,991' 1,134' FNL / 1,556' FEL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	HART 3-25-24XHS	623111	2065349	35° 02' 43.34" N -97° 46' 54.07" W	35.045372 -97.781686	475' FSL / 1745' FEL (PART OF SE/4 SEC 25)	1216.98	1215.33
LP-3	LANDING POINT	623111	2065114	35° 02' 43.34" N -97° 46' 56.90" W	35.045371 -97.782471	475' FSL / 1980' FEL (SE/4 SEC 25)	--	--
BHL-3	BOTTOM HOLE LOCATION	633185	2065088	35° 04' 22.98" N -97° 46' 56.94" W	35.073050 -97.782484	50' FNL / 1980' FEL (NE/4 SEC 24)	--	--
X-1	E.W. NUNN #1	629241	2065745	35° 03' 43.96" N -97° 46' 49.14" W	35.062212 -97.780318	24-7N-6W:SE4 TD: 14,282' 1,320' FSL / 1,320' FWL	--	--
X-2	E.W. NUNN #2	631878	2063092	35° 04' 10.10" N -97° 47' 20.99" W	35.069473 -97.789163	24-7N-6W:NW4 TD: 7,562' 1,020' FSL / 1,320' FWL	--	--
X-3	RUBY #1-24	632543	2065690	35° 04' 16.62" N -97° 46' 49.71" W	35.071284 -97.780475	24-7N-6W:N2NE4 TD: 7,600' 1,980' FSL / 1,270' FWL	--	--
X-4	WILLIAMS #1-24H	633022	2063698	35° 04' 21.40" N -97° 47' 13.67" W	35.072611 -97.787130	24-7N-6W:NE4NW4NE4NW4 TD: 17,226' 210' FNL / 1,925' FWL	--	--
X-5	BIRT #3-13-12XHS	632800	2065441	35° 04' 19.16" N -97° 46' 52.71" W	35.071990 -97.781308	24-7N-6W:SE4NE4NW4NE4 TD: 21,516' 430' FNL / 1,628' FEL	--	--
X-6	BIRT #4-13-12XHS	632830	2065441	35° 04' 19.46" N -97° 46' 52.71" W	35.072072 -97.781308	24-7N-6W:SE4NE4NW4NE4 TD: 21,561' 400' FNL / 1,628' FEL	--	--
X-7	WILLIAMS #7-24-13XHW	628111	2063858	35° 03' 32.82" N -97° 47' 11.87" W	35.059118 -97.786629	24-7N-6W:SW4SE4SE4SE4 TD: 19,931' 194' FSL / 568' FEL	--	--
X-8	CUMMINGS #1-25	626500	2065904	35° 03' 16.84" N -97° 46' 47.31" W	35.054678 -97.779808	25-7N-6W:NE4 TD: 14,180' 1,220' FSL / 1,470' FWL	--	--
X-9	HART #1-25	624767	2065762	35° 02' 59.71" N -97° 46' 49.06" W	35.049920 -97.780293	25-7N-6W:S2N2N2SE4 TD: 13,890' 2,130' FSL / 1,320' FWL	--	--
X-10	WILLIAMS #6-25-24-13XHW	626787	2065529	35° 03' 19.69" N -97° 46' 51.81" W	35.055469 -97.781058	25-7N-6W:SE4SE4NW4NE4 TD: 18,991' 1,134' FNL / 1,556' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: **--**--18
Date Drawn: 07-23-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-23-18	MJL	ISSUED FOR APPROVAL	--

