

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

API NUMBER: 051 24524

Approval Date: 11/21/2018

Expiration Date: 05/21/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2371 657

Lease Name: HANSELL

Well No: 5-3-34XHW

Well will be 657 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 269091
OKLAHOMA CITY, OK 73126-9000

BEVERLY JEAN ADKINS TRUST
PO BOX 860491
PLANO TX 75086

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11657	6	
2	WOODFORD	11783	7	
3	HUNTON	11960	8	
4			9	
5			10	

Spacing Orders: 188337
581296
150355
595712

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809141
201809142
201809145
201809146

Special Orders:

Total Depth: 19253

Ground Elevation: 1193

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 440

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 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: 18-35600

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 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 34 Twp 7N Rge 5W County GRADY

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1556

Depth of Deviation: 11321

Radius of Turn: 487

Direction: 355

Total Length: 7166

Measured Total Depth: 19253

True Vertical Depth: 11960

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

Notes:

Category

Description

DEEP SURFACE CASING

11/20/2018 - 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

11/20/2018 - 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

11/20/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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 24524 HANSELL 5-3-34XHW

Category	Description
PENDING CD - 201809141	11/21/2018 - G56 - (E.O.) 3-6N-5W & 34-7N-5W ESTABLISH MULTIUNIT HORIZONTAL WELL X150355 HNTN 34-7N-5W X188337 MSSP 3-6N-5W & 34-7N-5W; HNTN 3-6N-5W X581296 WDFD 3-6N-9W X595712 WDFD 34-7N-5W (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 35% 3-6N-5W 65% 34-7N-5W CONTINENTAL RESOURCES, INC. REC 11/19/2018 (NORRIS)
PENDING CD - 201809142	11/21/2018 - G56 - (E.O.) 3-6N-5W & 34-7N-5W X150355 HNTN 34-7N-5W X188337 MSSP 3-6N-5W & 34-7N-5W; HNTN 3-6N-5W X581296 WDFD 3-6N-9W X595712 WDFD 34-7N-5W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO GOOD MARTIN 6-10-3XH AND GOOD MARTIN 7-10-3XH WELLS COMPL INT (3-6N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL INT (34-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL NO OP NAMED REC 11/19/2018 (NORRIS)
PENDING CD - 201809145	11/21/2018 - G56 - (E.O.) 3-6N-5W X581296 WDFD 4 WELLS NO OP NAMED HEARING 11/19/2018
PENDING CD - 201809146	11/21/2018 - G56 - (E.O.) 34-7N-5W X595712 WDFD 4 WELLS NO OP NAMED HEARING 11/19/2018
SPACING - 150355	11/21/2018 - G56 - (640) 34-7N-5W VAC OTHERS EXT OTHERS EST OTHERS EXT 131103 HNTN, OTHERS
SPACING - 188337	11/21/2018 - G56 - (640) 3-6N-5W & 34-7N-5W EXT OTHERS EST OTHER EXT 106361 HNTN, OTHERS 3-6N-5W EXT 147146 MSSP, OTHER 34-7N-5W
SPACING - 581296	11/21/2018 - G56 - (640) 3-6N-5W EXT 147146 WDFD, OTHERS
SPACING - 595712	11/21/2018 - G56 - (640) 34-7N-5W EXT 581296 WDFD, 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 3)
 SHEET: 8.5x11
 SHL: 3-6N-5W
 BHL-5 34-7N-5W
 BHL-7 34-7N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 3 Township 6N Range 5W I.M.

Well: HANSELL 5-3-34XHW

County GRADY State OK

Well: HANSELL 7-3-34XHW

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W5	HANSELL 5-3-34XHW	615084	2055912	35° 01' 23.21" -97° 42' 28.97"	35.023114 -97.708049	2371' FNL / 657' FEL (NE/4 SEC 3)	1192.66'	1196.43'
LP-5	LANDING POINT	615082	2055013	35° 01' 23.22" -97° 42' 39.78"	35.023116 -97.711050	2371' FNL / 1556' FEL (NE/4 SEC 3)	--	--
BHL-5	BOTTOM HOLE LOCATION	622690	2054979	35° 02' 38.47" -97° 42' 39.93"	35.044020 -97.711093	50' FNL / 1556' FEL (NE/4 SEC 34)	--	--
W7	HANSELL 7-3-34XHW	615084	2055942	35° 01' 23.21" -97° 42' 28.61"	35.023114 -97.707948	2371' FNL / 627' FEL (NE/4 SEC 3)	1192.33'	1196.43'
LP-7	LANDING POINT	615084	2056050	35° 01' 23.21" -97° 42' 27.31"	35.023114 -97.707586	2371' FNL / 519' FEL (NE/4 SEC 3)	--	--
BHL-7	BOTTOM HOLE LOCATION	622694	2056016	35° 02' 38.47" -97° 42' 27.46"	35.044021 -97.707629	50' FNL / 519' FEL (NE/4 SEC 34)	--	--
X-1	RATLIFF #1H-22X	622383	2052424	35° 02' 35.50" -97° 43' 10.63"	35.043195 -97.719631	34-7N-5W:SE4NE4NW4NW4 TD: 22,306' 350' FNL / 1,180' FWL	--	--
X-2	COBALT DIBBLE WEST SWD #1	622140	2056361	35° 02' 32.99" -97° 42' 23.33"	35.042496 -97.706481	34-7N-5W:SE4NE4NE4NE4 TD: 5,600' 2,040' FSL / 2,470' FWL	--	--
X-3	BRIDWELL #1H-22X	622413	2052424	35° 02' 35.80" -97° 43' 10.63"	35.043277 -97.719631	34-7N-5W:NE4NE4NW4NW4 TD: 22,930' 320' FNL / 1,180' FWL	--	--
X-4	HANSELL #1-3-34XH	612377	2053052	35° 00' 56.52" -97° 43' 03.45"	35.015699 -97.717626	3-6N-5W:SE4SW4SE4SW4 TD: 22,045' 225' FSL / 1,750' FWL	--	--

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W5	HANSELL 5-3-34XHW	615042	2087509	35° 01' 22.97" -97° 42' 27.84"	35.023046 -97.707733	2371' FNL / 657' FEL (NE/4 SEC 3)	1192.66'	1196.43'
LP-5	LANDING POINT	615040	2086610	35° 01' 22.97" -97° 42' 38.64"	35.023048 -97.710734	2371' FNL / 1556' FEL (NE/4 SEC 3)	--	--
BHL-5	BOTTOM HOLE LOCATION	622648	2086575	35° 02' 38.23" -97° 42' 38.80"	35.043953 -97.710777	50' FNL / 1556' FEL (NE/4 SEC 34)	--	--
W7	HANSELL 7-3-34XHW	615042	2087539	35° 01' 22.97" -97° 42' 27.48"	35.023046 -97.707633	2371' FNL / 627' FEL (NE/4 SEC 3)	1192.33'	1196.43'
LP-7	LANDING POINT	615042	2087647	35° 01' 22.97" -97° 42' 26.17"	35.023046 -97.707270	2371' FNL / 519' FEL (NE/4 SEC 3)	--	--
BHL-7	BOTTOM HOLE LOCATION	622651	2087612	35° 02' 38.23" -97° 42' 26.33"	35.043953 -97.707313	50' FNL / 519' FEL (NE/4 SEC 34)	--	--
X-1	RATLIFF #1H-22X	622341	2084021	35° 02' 35.26" -97° 43' 09.53"	35.043128 -97.719314	34-7N-5W:SE4NE4NW4NW4 TD: 22,306' 350' FNL / 1,180' FWL	--	--
X-2	COBALT DIBBLE WEST SWD #1	622097	2087958	35° 02' 32.74" -97° 42' 22.19"	35.042428 -97.706165	34-7N-5W:SE4NE4NE4NE4 TD: 5,600' 2,040' FSL / 2,470' FWL	--	--
X-3	BRIDWELL #1H-22X	622371	2084021	35° 02' 35.56" -97° 43' 09.53"	35.043210 -97.719314	34-7N-5W:NE4NE4NW4NW4 TD: 22,930' 320' FNL / 1,180' FWL	--	--
X-4	HANSELL #1-3-34XH	612335	2084649	35° 00' 56.27" -97° 43' 02.31"	35.015631 -97.717309	3-6N-5W:SE4SW4SE4SW4 TD: 22,045' 225' FSL / 1,750' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: **--18
 Date Drawn: 10-3-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	10-3-18	HOG	ISSUED FOR APPROVAL	--

