

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

API NUMBER: 049 25228

Approval Date: 10/12/2018

Expiration Date: 04/12/2020

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 3N Rge: 4W

County: GARVIN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1022 298

Lease Name: DICKSION

Well No: M2-21H

Well will be 298 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

JAMES L AND CELESTA J INCE
11247 EAST COUNTY ROAD 1600
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 SYCAMORE	14062	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 602785

Location Exception Orders: 683877

Increased Density Orders: 681318

Pending CD Numbers:

Special Orders:

Total Depth: 18085

Ground Elevation: 1132

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

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 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: 18-35453

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 21 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 30

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 13585

Radius of Turn: 485

Direction: 1

Total Length: 3738

Measured Total Depth: 18085

True Vertical Depth: 14062

End Point Location from Lease,
Unit, or Property Line: 30

Notes:

Category

Description

DEEP SURFACE CASING

10/3/2018 - 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

10/3/2018 - 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

INCREASED DENSITY - 681318

10/9/2018 - G56 - 21-3N-4W
X602785 SCMR
2 WELLS
CONTINENTAL RESOURCES, INC.
8/10/2018

LOCATION EXCEPTION - 683877

10/9/2018 - G56 - 21-3N-4W
X602785 SCMR
165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO ANOTHER WELL
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL
CONTINENTAL RESOURCES, INC.
9/27/2018

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

049 25228 DICKSION M2-21H

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
MEMO	10/3/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 602785	10/9/2018 - G56 - (640) 21-3N-4W VAC OTHERS EST OTHERS EXT OTHERS EXT 592945 SCMR, OTHERS
WATERSHED STRUCTURE	10/3/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING

EXHIBIT: A (1 of 5)
 SHEET: 8.5x14
 SHL: 28-3N-4W
 BHL-2 21-3N-4W
 BHL-5 21-3N-4W
 BHL-6 21-3N-4W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 28 Township 3N Range 4W I.M. Well: DICKSION M2-21H
 County GARVIN State OK Well: DICKSION W5-21H
 Operator CONTINENTAL RESOURCES, INC. Well: DICKSION W6-21H

NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W2	DICKSION M2-21H	500323	2079017	34° 42' 27.32" -97° 37' 56.20"	34.707590 -97.632276	1022' FNL / 298' FWL (NW/4 SEC 28)	1130.93
LP-2	LANDING POINT	501395	2079042	34° 42' 37.93" -97° 37' 55.84"	34.710535 -97.632179	50' FSL / 330' FWL (SW/4 SEC 21)	--
BHL-2	BOTTOM HOLE LOCATION	506604	2079010	34° 43' 29.45" -97° 37' 56.00"	34.724846 -97.632223	30' FNL / 330' FWL (NW/4 SEC 21)	--
W5	DICKSION W5-21H	500293	2079017	34° 42' 27.03" -97° 37' 56.19"	34.707507 -97.632276	1052' FNL / 298' FWL (NW/4 SEC 28)	1130.19
LP-5	LANDING POINT	501395	2079042	34° 42' 37.93" -97° 37' 55.84"	34.710535 -97.632179	50' FSL / 330' FWL (SW/4 SEC 21)	--
BHL-5	BOTTOM HOLE LOCATION	506604	2079010	34° 43' 29.45" -97° 37' 56.00"	34.724846 -97.632223	30' FNL / 330' FWL (NW/4 SEC 21)	--
W6	DICKSION W6-21H	500263	2079017	34° 42' 26.73" -97° 37' 56.19"	34.707425 -97.632276	1082' FNL / 298' FWL (NW/4 SEC 28)	1129.76
LP-6	LANDING POINT	501397	2079702	34° 42' 37.92" -97° 37' 47.94"	34.710532 -97.629983	50' FSL / 990' FWL (SW/4 SEC 21)	--
BHL-6	BOTTOM HOLE LOCATION	506603	2079670	34° 43' 29.42" -97° 37' 48.09"	34.724839 -97.630026	30' FNL / 990' FWL (NW/4 SEC 21)	--
X-1	WHITE #1-1-21	504653	2083319	34° 43' 09.99" -97° 37' 04.47"	34.719441 -97.617909	21-3N-4W:SE4NE4 TD: 9,322' 660' FSL / 1,980' FWL	--
X-2	GREGORY #1H-28	501646	2079371	34° 42' 40.39" -97° 37' 51.90"	34.711221 -97.631083	21-3N-4W:SE2SW4SW4 TD: 19,258' 300' FSL / 660' FWL	--
X-3	DICKSION #1-21H	501681	2081531	34° 42' 40.66" -97° 37' 26.02"	34.711294 -97.623894	21-3N-4W:W2SW4SW4SE4 TD: 18,796' 300' FSL / 2,437' FEL	--
X-4	HOLINSWORTH 3H-9X	506040	2081652	34° 43' 23.77" -97° 37' 24.38"	34.723270 -97.623439	21-3N-4W:SW4NW4NW4NE4 TD: 24,503' 593' FNL / 2,328' FEL	--
X-5	HOLINSWORTH 4H-9X	506026	2081638	34° 43' 23.63" -97° 37' 24.55"	34.723232 -97.623486	21-3N-4W:SW4NW4NW4NE4 TD: 24,935' 607' FNL / 2,342' FEL	--
X-6	HOLINSWORTH 2H-9X	506054	2081666	34° 43' 23.91" -97° 37' 24.21"	34.723309 -97.623393	21-3N-4W:SW4NW4NW4NE4 TD: 24,571' 579' FNL / 2,314' FEL	--
X-7	HOLINSWORTH 7H-9X	504999	2078985	34° 43' 13.57" -97° 37' 56.37"	34.720436 -97.632326	21-3N-4W:NW4NW4SW4NW4 TD: 24,951' 1,635' FNL / 295' FWL	--
X-8	HOLINSWORTH 8H-9X	505019	2078985	34° 43' 13.77" -97° 37' 56.37"	34.720491 -97.632326	21-3N-4W:NW4NW4SW4NW4 TD: 25,054' 1,615' FNL / 295' FWL	--
X-9	HOLINSWORTH 5H-9X	505483	2079977	34° 43' 18.33" -97° 37' 44.47"	34.721758 -97.629019	21-3N-4W:SE4SE4NW4NW4 TD: 24,989' 1,150' FNL / 1,290' FWL	--
X-10	HOLINSWORTH 6H-9X	505503	2079977	34° 43' 18.53" -97° 37' 44.47"	34.721813 -97.629019	21-3N-4W:SE4SE4NW4NW4 TD: 24,096' 1,130' FNL / 1,290' FWL	--
X-11	DICKSION W2-21H	501731	2079796	34° 42' 41.22" -97° 37' 46.80"	34.711450 -97.629667	21-3N-4W:NE4SE4SW4SE4 TD: 18,682' 384' FSL / 1,558' FEL	--
X-12	DICKSION W3-21H	501725	2083690	34° 42' 41.02" -97° 37' 00.16"	34.711394 -97.616710	21-3N-4W:NE4SE4SE4SE4 TD: 18,733' 370' FSL / 308' FEL	--
X-13	DICKSION W4-21H	501725	2083690	34° 42' 41.02" -97° 37' 00.16"	34.711394 -97.616710	21-3N-4W:NE4SE4SE4SE4 TD: 18,913' 370' FSL / 308' FEL	--
X-14	DICKSION M1-21H	501732	2082440	34° 42' 41.13" -97° 37' 15.13"	34.711425 -97.620869	21-3N-4W:NE4SE4SW4SE4 TD: 18,708' 379' FSL / 1,558' FEL	--
X-15	DICKSION S4-21H	501721	2083410	34° 42' 40.99" -97° 37' 03.51"	34.711386 -97.617642	21-3N-4W:NW4SE4SE4SE4 TD: 16,326' 370' FSL / 588' FEL	--
X-16	J.L. INCE #1-28	500355	2080699	34° 42' 27.57" -97° 37' 36.05"	34.707659 -97.626680	28-3N-4W:S2NE4NW4 TD: 9,350' 1,650' FSL / 1,980' FWL	--
X-17	INCE #1-21H	500911	2079115	34° 42' 33.13" -97° 37' 54.99"	34.709202 -97.631942	28-3N-4W:SE4NW4NW4NW4 TD: 18,194' 435' FNL / 400' FWL	--
X-18	DICKSION S3-21H	501040	2081050	34° 42' 34.33" -97° 37' 31.82"	34.709537 -97.625505	28-3N-4W:NE4NE4NE4NW4 TD: 16,256' 310' FNL / 2,335' FWL	--
X-19	DICKSION S2-21H	501040	2081020	34° 42' 34.33" -97° 37' 32.18"	34.709537 -97.625604	28-3N-4W:NE4NW4NW4NE4 TD: 16,256' 310' FNL / 2,305' FWL	--

Certificate of Authorization No. 7318

Date Staked: **--**--18
 Date Drawn: 07-16-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-16-18	HOG	ISSUED FOR APPROVAL	--

