

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

API NUMBER: 015 23293

Approval Date: 01/02/2018

Expiration Date: 07/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 12N Rge: 13W County: CADDO
SPOT LOCATION: SW SW SE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2330 1552

Lease Name: LACY JOE Well No: 1-7-18XHM Well will be 1552 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

JOE H. & LACY HARRIS
2113 CS. 2450
HYDRO OK 73048

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	15840	6	
2	WOODFORD	16740	7	
3			8	
4			9	
5			10	

Spacing Orders: 587825

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708171
201718172
201708173
201708174

Special Orders:

Total Depth: 23906

Ground Elevation: 1577

Surface Casing: 610

Depth to base of Treatable Water-Bearing FM: 360

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

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: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-33441

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? Y

Wellhead Protection Area? Y

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 18 Twp 12N Rge 13W County CADDO

Spot Location of End Point: S2 SW SE SW

Feet From: SOUTH 1/4 Section Line: 30

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 15458

Radius of Turn: 382

Direction: 15

Total Length: 7848

Measured Total Depth: 23906

True Vertical Depth: 16740

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/11/2017 - 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

12/11/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM CUTTINGS WILL BE SOIL FARMED, PIT 2 - OBM RETURNED TO VENDOR, OBM CUTTINGS WILL BE HAULED TO SOUTHERN PLAINS LANDFILL (GRADY) 3526013

PENDING CD - 201708171

12/13/2017 - G57 - (E.O.)640 18-12N-13W
EXT 657526 MSSP, WDFD, OTHER
REC 1-2-2018 (NORRIS)

PENDING CD - 201708173

12/13/2017 - G57 - (E.O.) 7 & 18-12N-13W
X587825 MSSP, WDFD 7-12N-13W
X201708171 MSSP, WDFD 18-12N-13W
COMPL. INT. (7-12N-13W) NCT 2100' FNL, NCT 0' FSL, NCT 660' FWL
COMPL. INT. (18-12N-13W) NCT 0'FNL, NCT 150' FSL, NCT 660' FWL
CONTINENTAL RESOURCES, INC.
REC 1-2-2018 (NORRIS)

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 - 201708174	12/13/2017 - G57 - (I.O.) 7-12N-13W X587825 MSSP, WDFD 1 WELL CONTINENTAL RESOURCES, INC. REC 1-2-2018 (NORRIS)
PENDING CD - 201718172	12/13/2017 - G57 - (E.O.) 7 & 18-12N-13W EST MULTIUNIT HORIZONTAL WELL X587825 MSSP, WDFD 7-12N-13W X201708171 MSSP, WDFD 18-12N-13W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 33% 7-12N-13W 67% 18-12N-13W CONTINENTAL RESOURCES, INC. REC 1-2-2018 (NORRIS)
PUBLIC WATER SUPPLY WELLS	12/11/2017 - G71 - COUNTRY EAST MHP - 2 PWS/WPA, NE/4 12-12N-14W
SPACING - 587825	12/13/2017 - G57 - (640) 7-12N-13W VAC OTHER EXT 193330 MSSP EXT 582857 WDFD EXT OTHERS

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.



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

API: 015 23293

EXHIBIT "A"
S.H.L. Sec. 7-12N-13W I.M.
B.H.L. Sec. AS SHOWN
CADDO COUNTY
(SHEET 1 OF 3)

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	807880	1783092	0.0			IR W/CAP NWc 6-12N-13W	
21	802561	1783058	0.0			X IN CONC. NWc 7-12N-13W	
22	797278	1783012	0.0			1/2" IR SWc 7-12N-13W	
23	792004	1782973	0.0			1/2" IR SWc 18-12N-13W	
24	807852	1788155	0.0			1/2" IR NEc 6-12N-13W	
25	802517	1788109	0.0			X IN CONC. NEc 7-12N-13W	
26	797261	1788043	0.0			CALC SEc 7-12N-13W	
27	791967	1788058	0.0			80D NAIL SEc 18-12N-13W	
50	807142	1785578	0.0	LAT:35°32'58.43"N LON:98°36'53.46"W	LAT:35.54956266 LON:-98.61484925	AC-CHESAPEAKE OP. PAYNE 1-6 OCC STATUS: AC, TVD: 12800'	
51	807129	1786839	0.0	LAT:35°32'58.37"N LON:98°36'38.20"W	LAT:35.54954780 LON:-98.61061075	AC-CHESAPEAKE OP. WINDSOR 1-6 OCC STATUS: AC, TVD: 13750'	
52	798585	1786956	0.0	LAT:35°31'33.89"N LON:98°36'36.17"W	LAT:35.52607953 LON:-98.61004660	AC-ANSON CO. CHRISTINA 1A-7 OCC STATUS: PA, TVD: 10600'	
53	794890	1784974	0.0	LAT:35°30'57.24"N LON:98°36'59.86"W	LAT:35.51589861 LON:-98.61682841	AC-DEVON SFS HERMAN 1-18 OCC STATUS: PA, TVD: 12250'	
54	793301	1786081	0.0	LAT:35°30'41.59"N LON:98°36'46.36"W	LAT:35.51155245 LON:-98.61287892	AC-PIONEER NAT. RES. CARNEY1-18 OCC STATUS: PA, TVD: 11903'	
100	800247	1784592	1582.5'	LAT:35°31'50.19"N LON:98°37'04.89"W	LAT:35.53060760 LON:-98.61802436	A. HARRIS QUARTER #1-7-6XHM 2300' FNL - 1554' FWL	1577.3'
101	800217	1784589	1582.3'	LAT:35°31'49.89"N LON:98°37'04.91"W	LAT:35.53052520 LON:-98.61803134	B. LACY JOE #1-7-18XHM 2330' FNL - 1552' FWL	1577.3'
200	800727	1784692	0.0	LAT:35°31'54.93"N LON:98°37'03.71"W	LAT:35.53192546 LON:-98.61769757	A. HEEL SLOT 1820' FNL - 1650' FWL	
201	799737	1784683	0.0	LAT:35°31'45.14"N LON:98°37'03.74"W	LAT:35.52920595 LON:-98.61770619	B. HEEL SLOT 2464' FSL - 1650' FWL	
300	807841	1784742	0.0	LAT:35°33'05.29"N LON:98°37'03.64"W	LAT:35.55146904 LON:-98.61767650	A. BOTTOM HOLE LOCATION 30' FNL - 1650' FWL	
301	792022	1784623	0.0	LAT:35°30'28.85"N LON:98°37'03.89"W	LAT:35.50801292 LON:-98.61774861	B. BOTTOM HOLE LOCATION 30' FSL - 1650' FWL	

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #7438

Date Staked : 10/25/17 By : J.L.

Date Drawn : 11/03/17 By : J.H.



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 7-12N-13W I.M.
B.H.L. Sec. AS SHOWN
CADDO COUNTY
(SHEET 2 OF 3)

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	807838	1814691	0.0			IR WCAP NWc 6-12N-13W	
21	802519	1814657	0.0			X IN CONC. NWc 7-12N-13W	
22	797236	1814611	0.0			1/2" IR SWc 7-12N-13W	
23	791961	1814572	0.0			1/2" IR SWc 18-12N-13W	
24	807810	1819755	0.0			1/2" IR NEc 6-12N-13W	
25	802475	1819709	0.0			X IN CONC. NEc 7-12N-13W	
26	797219	1819642	0.0			CALC SEc 7-12N-13W	
27	791925	1819657	0.0			80D NAIL SEc 18-12N-13W	
50	807100	1817178	0.0	LAT:35°32'58.24"N LON:98°36'52.20"W	LAT:35.54951119 LON:-98.61449965	AC-CHESAPEAKE OP. PAYNE 1-6 OCC STATUS: AC, TVD: 12800'	
51	807087	1818439	0.0	LAT:35°32'58.19"N LON:98°36'36.94"W	LAT:35.54949635 LON:-98.61026131	AC-CHESAPEAKE OP. WINDSOR 1-6 OCC STATUS: AC, TVD: 13750'	
52	798543	1818555	0.0	LAT:35°31'33.70"N LON:98°36'34.91"W	LAT:35.52602762 LON:-98.60969797	AC-ANSON CO. CHRISTINA 1A-7 OCC STATUS: PA, TVD: 10600'	
53	794848	1816574	0.0	LAT:35°30'57.05"N LON:98°36'58.61"W	LAT:35.51584648 LON:-98.61627990	AC-DEVON SFS HERMAN 1-18 OCC STATUS: PA, TVD: 12250'	
54	793259	1817680	0.0	LAT:35°30'41.40"N LON:98°36'45.11"W	LAT:35.51150024 LON:-98.61253089	AC-PIONEER NAT. RES. CARNEY1-18 OCC STATUS: PA, TVD: 11903'	
100	800205	1816191	1582.5'	LAT:35°31'50.00"N LON:98°37'03.63"W	LAT:35.53055575 LON:-98.61767529	A. HARRIS QUARTER #1-7-6XHM 2300' FNL - 1554' FWL	1577.3'
101	800175	1816189	1582.3'	LAT:35°31'49.70"N LON:98°37'03.66"W	LAT:35.53047335 LON:-98.61768227	B. LACY JOE #1-7-18XHM 2330' FNL - 1552' FWL	1577.3'
200	800684	1816291	0.0	LAT:35°31'54.75"N LON:98°37'02.45"W	LAT:35.53187363 LON:-98.61734847	A. HEEL SLOT 1820' FNL - 1650' FWL	
201	799695	1816283	0.0	LAT:35°31'44.95"N LON:98°37'02.49"W	LAT:35.52915408 LON:-98.61735719	B. HEEL SLOT 2464' FSL - 1650' FWL	
300	807799	1816341	0.0	LAT:35°33'05.10"N LON:98°37'02.38"W	LAT:35.55141760 LON:-98.61732673	A. BOTTOM HOLE LOCATION 30' FNL - 1650' FWL	
301	791980	1816223	0.0	LAT:35°30'28.66"N LON:98°37'02.64"W	LAT:35.50796063 LON:-98.61740032	B. BOTTOM HOLE LOCATION 30' FSL - 1650' FWL	

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #7438

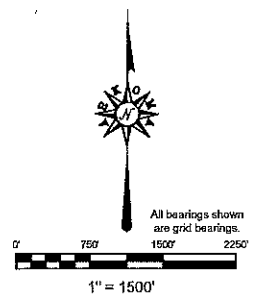
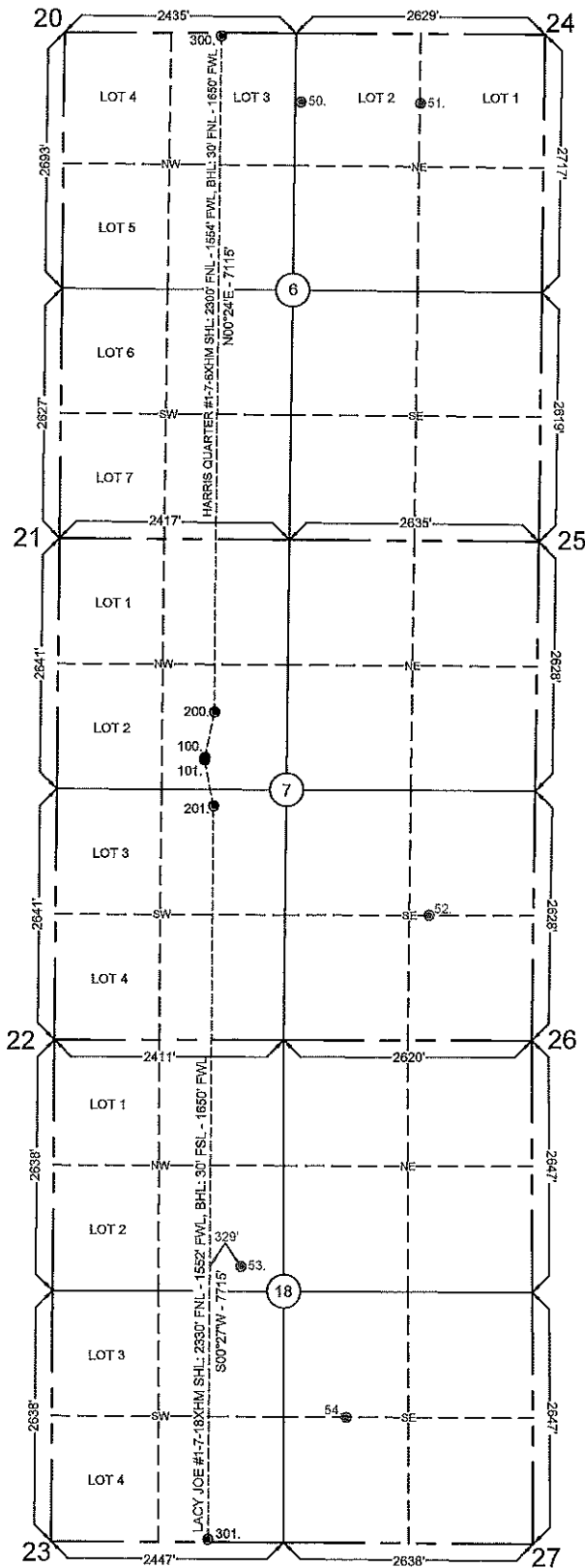
Date Staked : 10/25/17 By : J.L.

Date Drawn : 11/03/17 By : J.H.

Continental **Well Location Plat**

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 7-12N-13W I.M.
B.H.L. Sec. AS SHOWN
CADDO COUNTY
(SHEET 3 OF 3)



GPS DATUM
NAD 27
NAD 83
OK SOUTH ZONE

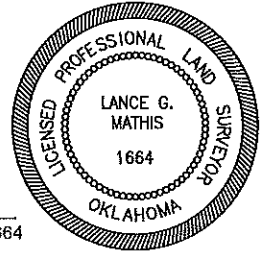
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. Quarter 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. NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true boundary survey.

Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2018

Certification:
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

11/27/17
OK LPLS 1864



Invoice #7438
Date Staked : 10/25/17 By : J.L.
Date Drawn : 11/03/17 By : J.H.