

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

API NUMBER: 011 23881

Approval Date: 11/20/2017
Expiration Date: 05/20/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 14N Rge: 13W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 500

Lease Name: VINCENT WAY FIU

Well No: 1-2-11XHM

Well will be 250 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

DONMAR RANCH PROPERTIES, LLC
95954 NORTH 2503 ROAD
GEARY OK 73040

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	13600	6	
2 WOODFORD	14400	7	
3		8	
4		9	
5		10	

Spacing Orders: 665006
665007

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707330
201707329

Special Orders:

Total Depth: 23716

Ground Elevation: 1461

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

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: 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? 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33307

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 11 Twp 13N Rge 13W County BLAINE

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 30

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 13218

Radius of Turn: 393

Direction: 182

Total Length: 9881

Measured Total Depth: 23716

True Vertical Depth: 14400

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

Notes:

Category

Description

DEEP SURFACE CASING

11/17/2017 - 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

11/17/2017 - 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

11/17/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER), PIT 1 – CUTTINGS WILL BE SOIL FARMED, PIT 2 – OBM RETURNED TO VENDOR, OBM CUTTINGS TO ORDER 587498, 31-12N-8W, CANADIAN CO

PENDING CD - 201707329

11/20/2017 - G60 - (I.O.) 2 & 11-13N-13W
X665007 (2-13N-13W) MSSP, WDFD
X665006 (11-13N-13W) MSSP, WDFD
SHL NCT 0' FNL, NCT 330' FWL
COMPL. INT. (2-13N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL
COMPL. INT. (11-13N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL
NO OP. NAMED
REC. 11/20/17 (MILLER)

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.

011 23881 VINCENT WAY FIU 1-2-11XHM

Category	Description
PENDING CD - 201707330	11/20/2017 - G60 - 2 & 11-13N-13W EST MULTIUNIT HORIZONTAL WELL X665007 (2-13N-13W) MSSP, WDFD X665006 (11-13N-13W) MSSP, WDFD (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 11-13N-13W 50% 2-13N-13W NO OP. NAMED REC. 11/20/17 (MILLER)
SPACING - 665006	11/20/2017 - G60 - (640) 11-13N-13W EXT 589307 MSSP, WDFD, OTHER
SPACING - 665007	11/20/2017 - G60 - (640) 2-13N-13W EXT MSSP, WDFD, OTHER

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Office of the Conservation Division as to when Surface Casing will be run.



Well Location Plat 3501123881

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 35-14N-13W I.M.
B.H.L. Sec. 11-13N-13W I.M.
BLAINE COUNTY
(SHEET 2 OF 3)

NAD 27

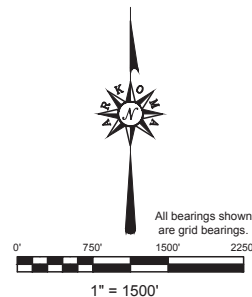
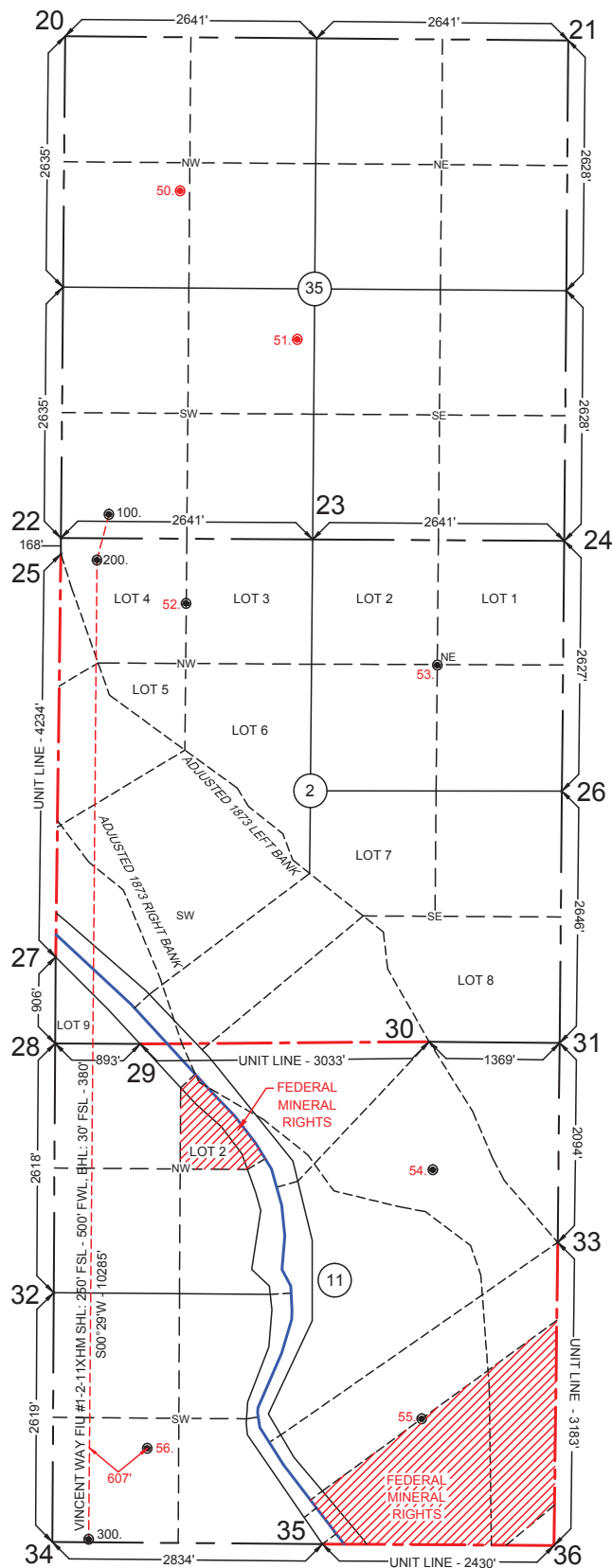
Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	238103	1833397	0.0			1/2" IR NWc 35-14N-13W	
21	238059	1838678	0.0			1/2" IR NEc 35-14N-13W	
22	232833	1833354	0.0			BLM MONUMENT SWc 35-14N-13W	
23	232818	1835995	0.0			1/2" IR W/CAP S/4 35-14N-13W	
24	232804	1838636	0.0			BLM MONUMENT SEc 35-14N-13W	
25	232666	1833352	0.0			MEANDER CORNER	
26	230177	1838611	0.0			BLM MONUMENT E/4 2-13N-13W	
27	228432	1833299	0.0			MEANDER CORNER	
28	227527	1833292	0.0			5/8" IR SWc 2-13N-13W	
29	227520	1834185	0.0			MEANDER CORNER	
30	227544	1837218	0.0			MEANDER CORNER	
31	227531	1838587	0.0			CONC. POST SEc 2-13N-13W	
32	224908	1833277	0.0			3/8" IR W/CAP W/4 11-13N-13W	
33	225436	1838567	0.0			MEANDER CORNER	
34	222290	1833264	0.0			3/8" IR W/CAP SWc 11-13N-13W	
35	222268	1836098	0.0			MEANDER CORNER	
36	222254	1838528	0.0			CALC. UNIT CORNER	
50	236480	1834604	0.0	LAT:35°38'54.06"N LON:98°33'23.99"W	LAT:35.64835112 LON:-98.55666268	AC-CHACO ENERGY GROENDYKE 1-35 OCC STATUS: AC, TVD: 12260'	
51	234919	1835832	0.0	LAT:35°38'38.70"N LON:98°33'09.00"W	LAT:35.64408460 LON:-98.55249922	AC-KAISER FRANCIS GROENDYKE 2-35 OCC STATUS: AC, TVD: 12175'	
52	232147	1834666	0.0	LAT:35°38'11.22"N LON:98°33'22.93"W	LAT:35.63644948 LON:-98.55637040	AC-NORTHERN GROENDYKE 1-2 OCC STATUS: PA, TVD: 12375'	
53	231498	1837303	0.0	LAT:35°38'04.95"N LON:98°32'50.94"W	LAT:35.63470763 LON:-98.54748428	AC- WARD JOHN GROENDYKE 1-2 OCC STATUS: PA, TVD: 11850'	
54	226197	1837255	0.0	LAT:35°37'12.52"N LON:98°32'51.17"W	LAT:35.62014558 LON:-98.54754626	AC-CHACO ENERGY GROENDYKE 2-11 OCC STATUS: AC, TVD: 12320'	
55	223582	1837137	0.0	LAT:35°36'46.65"N LON:98°32'52.42"W	LAT:35.61295785 LON:-98.54789334	AC-CHACO ENERGY GROENDYKE 1-11 OCC STATUS: AC, TVD: 12351'	
56	223272	1834259	0.0	LAT:35°36'43.42"N LON:98°33'27.24"W	LAT:35.61206209 LON:-98.55756792	AC-AN SON CORP VINCENT 1-11 OCC STATUS: PA, TVD: 12500'	
100	233081	1833856	1460.6'	LAT:35°38'20.41"N LON:98°33'32.81"W	LAT:35.63900184 LON:-98.55911410	A. VINCENT WAY FIU #1-2-11XHM 250' FSL - 500' FWL	1461.3'
200	232601	1833732	0.0	LAT:35°38'15.66"N LON:98°33'34.28"W	LAT:35.63768326 LON:-98.55952329	A. HEEL SLOT 230' FNL - 380' FWL	
300	222317	1833644	0.0	LAT:35°36'33.94"N LON:98°33'34.62"W	LAT:35.60942814 LON:-98.55961802	A. BOTTOM HOLE LOCATION 30' FSL - 380' 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 #7434

Date Staked : 10/20/17 By : H.S.
Date Drawn : 10/30/17 By : J.H.



GPS DATUM
NAD 27
NAD 83
OK NORTH 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. The location of the Alameda Shale is being applied promptly if any inconsistency is determined by the California Department of Resources or the U.S. Geological Survey. GPS data from RTK-GPS stations were used to determine the location of the shale. Quarter Section distances may be assumed from a Government Survey Plat as assumed at a proportional 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.

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Invoice #6442-B

Date Staked : 10/20/17
Date Drawn : 10/30/17

By : H.S.
By : J.H.

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

11/20/17

OK LPLS 1664

