

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

API NUMBER: 011 23813

Approval Date: 06/08/2017
Expiration Date: 12/08/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 16N Rge: 12W County: BLAINE
SPOT LOCATION: S2 SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 220 1650

Lease Name: TIMOTHY Well No: 1-6H Well will be 220 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

TIMOTHY M. FOLEY REVOCABLE LIVING TRUST
805 VILLA DRIVE
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10560	6	
2	WOODFORD	11180	7	
3			8	
4			9	
5			10	

Spacing Orders: 661094

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702088

Special Orders:

Total Depth: 15455

Ground Elevation: 1550

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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? 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32714

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 06 Twp 16N Rge 12W County BLAINE

Spot Location of End Point: N2 NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1650

Depth of Deviation: 10153

Radius of Turn: 485

Direction: 360

Total Length: 4540

Measured Total Depth: 15455

True Vertical Depth: 11180

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

Notes:

Category

Description

DEEP SURFACE CASING

6/5/2017 - 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

6/5/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INTERMEDIATE CASING

6/5/2017 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

6/8/2017 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201702088

6/7/2017 - G60 - (I.O.) 6-16N-12W
X661094 MSSP, WDFD
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FEL
NO OP. NAMED
REC. 4/25/17 (NORRIS)

SPACING - 661094

6/7/2017 - G60 - (640) 6-16N-12W
VAC 560039 CSTR, MSSLM
EXT 647804 MSSP, WDFD

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

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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.



Well Location Plat

3501123813

EXHIBIT "A"
Sec. 6-16N-12W 1.M
BLAINE COUNTY
(SHEET 1 OF 2)

Operator : CONTINENTAL RESOURCES, INC.

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	327564	1818024	1533.4			IR/CAP NEc 6-16N-12W	
21	327592	1812824	1581.9			1" SQUARE IR NWc 6-16N-12W	
22	322464	1817922	1543.8			RD.OCCP.SEc 6-16N-12W	
23	322476	1812828	1606.5			RR SPIKE SWc 6-16N-12W	
50	326251	1816677	0.0	LAT:35°53'42.55"N LON:98°30'45.32"W	LAT:35.89515281 LON:-98.51258785	AC - OCC/OTC NA KELLEY #1-6 OCC STATUS: PA, TVD: 9432'	
51	325654	1813825	0.0	LAT:35°53'36.50"N LON:98°31'19.94"W	LAT:35.89347096 LON:-98.52220595	AC - CLR FOLEY #1-6H OCC STATUS: AC, TVD: 9650'	
52	324949	1813309	0.0	LAT:35°53'29.50"N LON:98°31'26.17"W	LAT:35.89152670 LON:-98.52393655	AC- CLR FOLEY #2-6H OCC STATUS: AC, TVD: 7200'	
53	324407	1813533	0.0	LAT:35°53'24.14"N LON:98°31'23.41"W	LAT:35.89003973 LON:-98.52316894	AC - JORDAN FOLEY UNIT 1A OCC STATUS: PA, TVD: 9460'	
100	322688	1816276	1548.3	LAT:35°53'07.29"N LON:98°30'49.97"W	LAT:35.88535757 LON:-98.51387963	A. TIMOTHY #1-6H 220' FSL - 1650' FEL	1549.6'
200	327523	1816373	0.0	LAT:35°53'55.11"N LON:98°30'49.10"W	LAT:35.89864162 LON:-98.51363888	BHL 50' FNL - 1650' FEL	

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	327540	1849625	1533.4			IR/CAP NEc 6-16N-12W	
21	327567	1844425	1581.9			1" SQUARE IR NWc 6-16N-12W	
22	322440	1849523	1543.8			RD.OCCP.SEc 6-16N-12W	
23	322451	1844429	1606.5			RR SPIKE SWc 6-16N-12W	
50	326227	1848279	0.0	LAT:35°53'42.40"N LON:98°30'44.04"W	LAT:35.89511007 LON:-98.51223235	AC - OCC/OTC NA KELLEY #1-6 OCC STATUS: PA, TVD: 9432'	
51	325630	1845427	0.0	LAT:35°53'36.34"N LON:98°31'18.66"W	LAT:35.89342806 LON:-98.52185009	AC - CLR FOLEY #1-6H OCC STATUS: AC, TVD: 9650'	
52	324925	1844910	0.0	LAT:35°53'29.34"N LON:98°31'24.89"W	LAT:35.89148373 LON:-98.52358067	AC- CLR FOLEY #2-6H OCC STATUS: AC, TVD: 7200'	
53	324382	1845135	0.0	LAT:35°53'23.99"N LON:98°31'22.13"W	LAT:35.88999673 LON:-98.52281312	AC - JORDAN FOLEY UNIT 1A OCC STATUS: PA, TVD: 9460'	
100	322663	1847877	1548.3	LAT:35°53'07.13"N LON:98°30'48.69"W	LAT:35.88531455 LON:-98.51352430	A. TIMOTHY #1-6H 220' FSL - 1650' FEL	1549.6'
200	327498	1847974	0.0	LAT:35°53'54.96"N LON:98°30'47.82"W	LAT:35.89859896 LON:-98.51328325	BHL 50' FNL - 1650' FEL	

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 #6918
Date Staked : 01/23/17 By : C.K.
Date Drawn : 02/02/17 By : J.H.

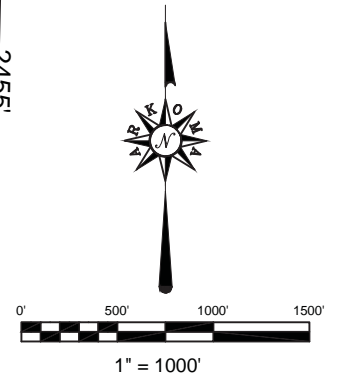
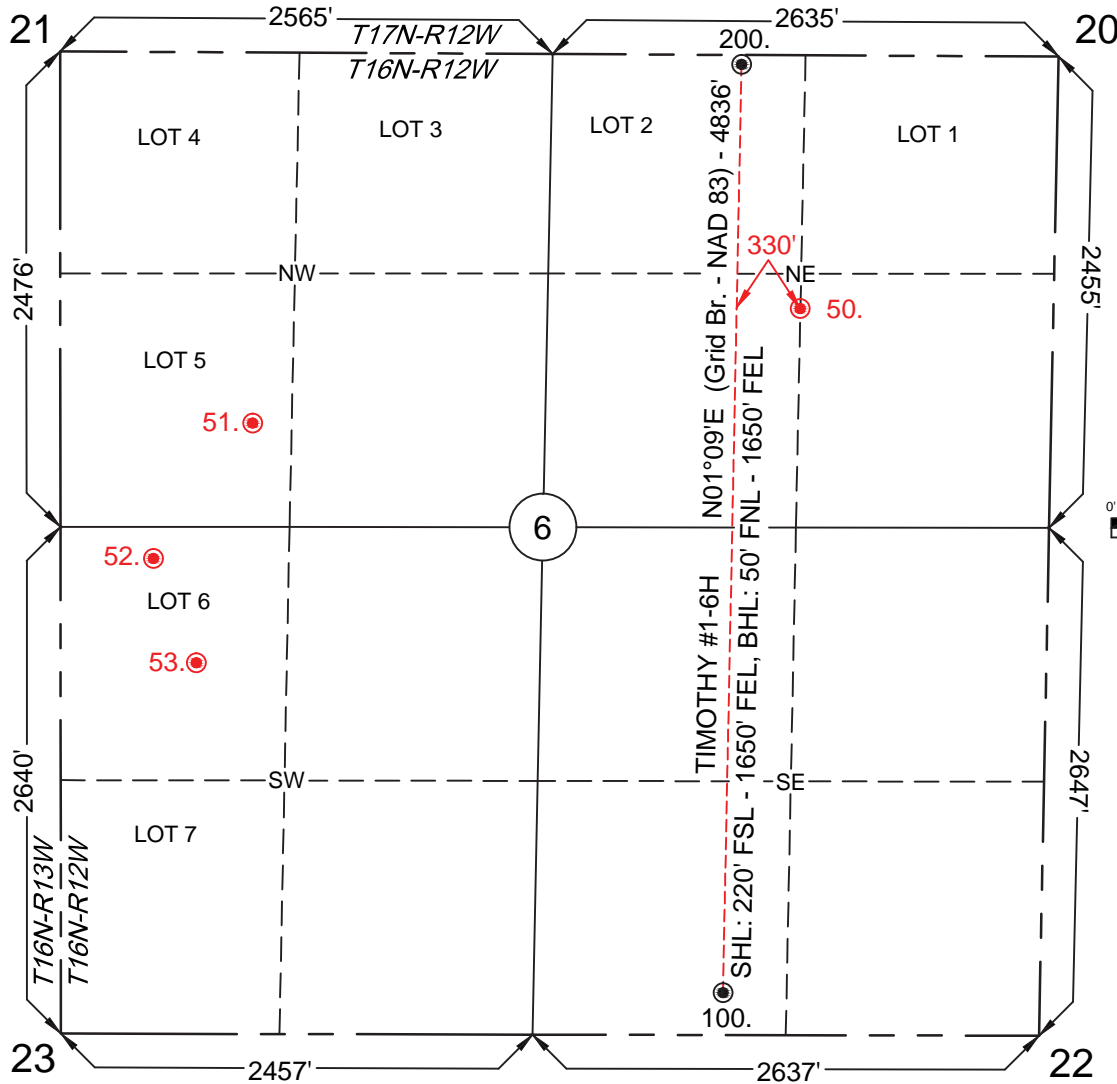


Well Location Plat

EXHIBIT "A"
Sec. 6-16N-12W 1.M
BLAINE COUNTY
(SHEET 2 OF 2)

Operator : CONTINENTAL RESOURCES, INC.

3501123813



GPS DATUM
NAD - 27
NAD - 83
 OK NORTH ZONE

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 hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

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.

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.

Invoice #6918
 Date Staked : 01/23/17 By : C.K.
 Date Drawn : 02/02/17 By : J.H.

LANCE G. MATHIS

04/07/17
 OK LPLS 1664

