

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

API NUMBER: 011 23769

Approval Date: 03/22/2017
Expiration Date: 09/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 15N Rge: 12W County: BLAINE
SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 198 939

Lease Name: **ANGUS TRUST** Well No: **12-33-4XH** Well will be **198** 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

ROACH TRUST, JANE CRAWFORD, TRUSTEE
3378 COYOTEEE RD. NE
PIEDMONT OK 73078

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

Name	Depth	Name	Depth
1	MISSISSIPPI SOLID	11927	6
2			7
3			8
4			9
5			10

Spacing Orders: 579753
579708

Location Exception Orders:

Increased Density Orders: 661214
661634

Pending CD Numbers: 201700261
201700259

Special Orders:

Total Depth: 22304 Ground Elevation: 1620 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 120

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: 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 BED AQUIFER

Pit Location Formation: MARLOW

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: MARLOW

HORIZONTAL HOLE 1

Sec 04 Twp 14N Rge 12W County BLAINE

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 805

Depth of Deviation: 11720

Radius of Turn: 477

Direction: 178

Total Length: 9835

Measured Total Depth: 22304

True Vertical Depth: 11927

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

Notes:

Category

Description

DEEP SURFACE CASING

3/21/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

3/21/2017 - 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

INCREASED DENSITY - 661214

3/22/2017 - G75 - 33-15N-12W
X579753 MSSSD
5 WELLS
CONTINENTAL RESOURCES, INC.
2-21-2017

INCREASED DENSITY - 661634

3/22/2017 - G75 - 4-14N-12W
X579708 MSSSD
5 WELLS
CONTINENTAL RESOURCES, INC.
3-3-2017

INTERMEDIATE CASING

3/21/2017 - 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

3/21/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS TO ORDER # 652009, 5-16N-10W, BLAINE CO.; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO ORDER # 635589, 18-15N-7W, KINGFISHER CO.

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 23769 ANGUS TRUST 12-33-4XH

Category	Description
PENDING CD - 201700259	3/22/2017 - G75 - (I.O.) 33-15N-12W & 4-14N-12W EST (5) MULTIUNIT HORIZONTAL WELLS X579753 MSSSD, OTHERS 33-15N-12W X579708 MSSSD, OTHERS 4-14N-12W 50% 33-15N-12W 50% 4-14N-12W CONTINENTAL RESOURCES, INC. REC 2-13-2017 (P. PORTER)
PENDING CD - 201700261	3/22/2017 - G75 - (I.O.) 33-15N-12W & 4-14N-12W X579753 MSSSD, OTHERS 33-15N-12W X579708 MSSSD, OTHERS 4-14N-12W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO AN EXISTING WELL BORE SHL (33-15N-12W) 300' FNL, 360' FEL ** COMPL. INT. (33-15N-12W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (4-14N-12W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 2-13-2017 (P. PORTER) ** ITD HAS SHL AS 198' FNL, 939' FEL 33-15N-12W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 579708	3/22/2017 - G75 - (640) 4-14N-12W EXT OTHERS EST MSSSD, OTHERS
SPACING - 579753	3/22/2017 - G75 - (640) 33-15N-12W EXT OTHERS EST MSSSD, OTHERS

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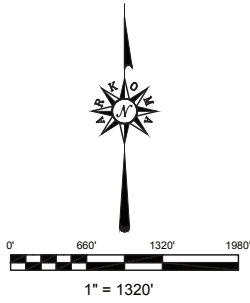


Well Location Plat

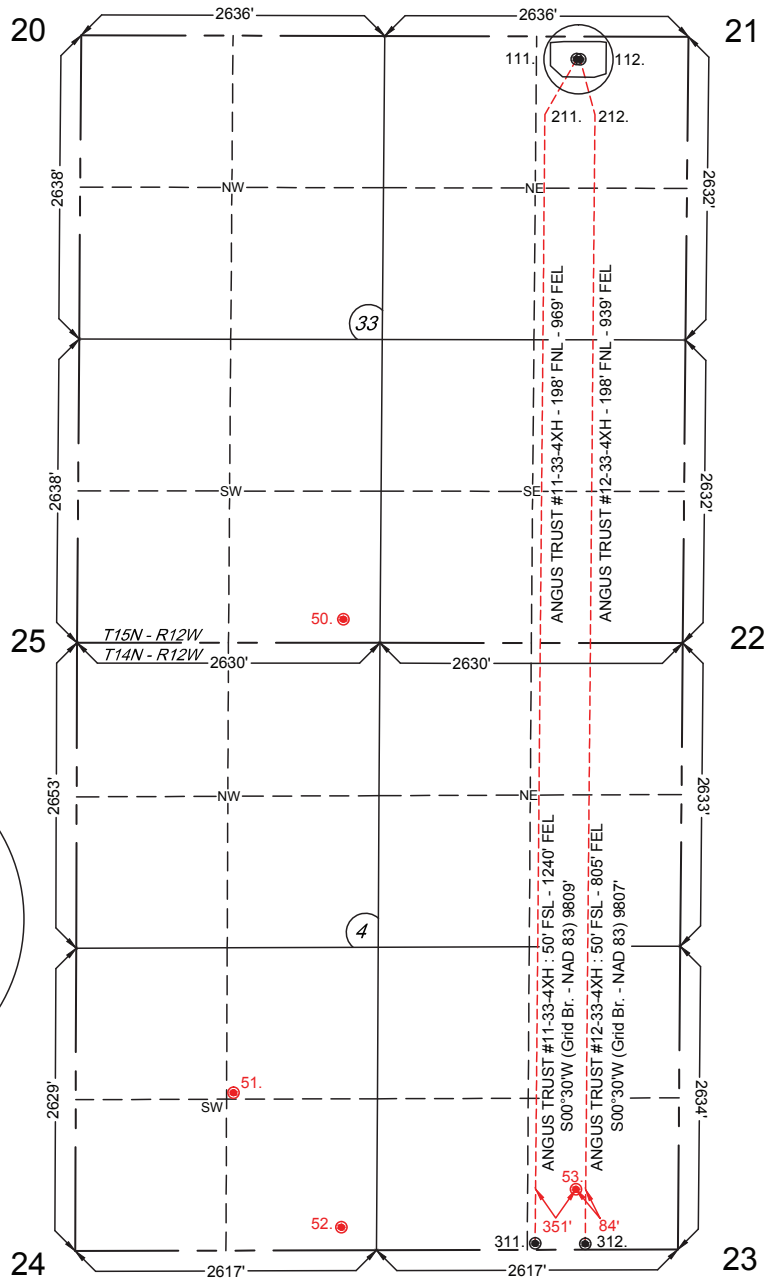
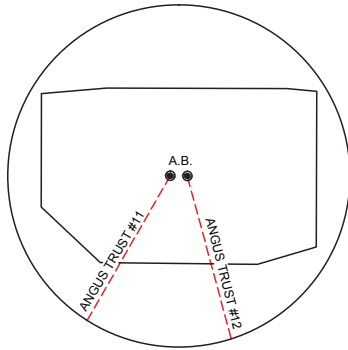
Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 33-15N-12W I.M
B.H.L. Sec. 4-14N-12W I.M.
BLAINE COUNTY
(SHEET 2 OF 2)

API 011-23769



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.

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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 #6085-D

Date Staked : 01/19/17 By : R.L.

Date Drawn : 01/25/17 By : J.H.

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.

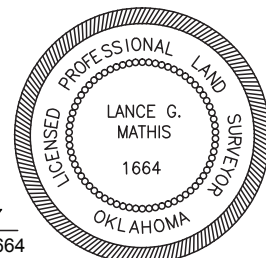
Certification:

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

01/31/17

OK LPLS 1664



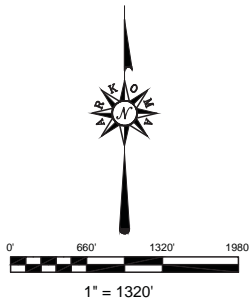


Well Location Plat

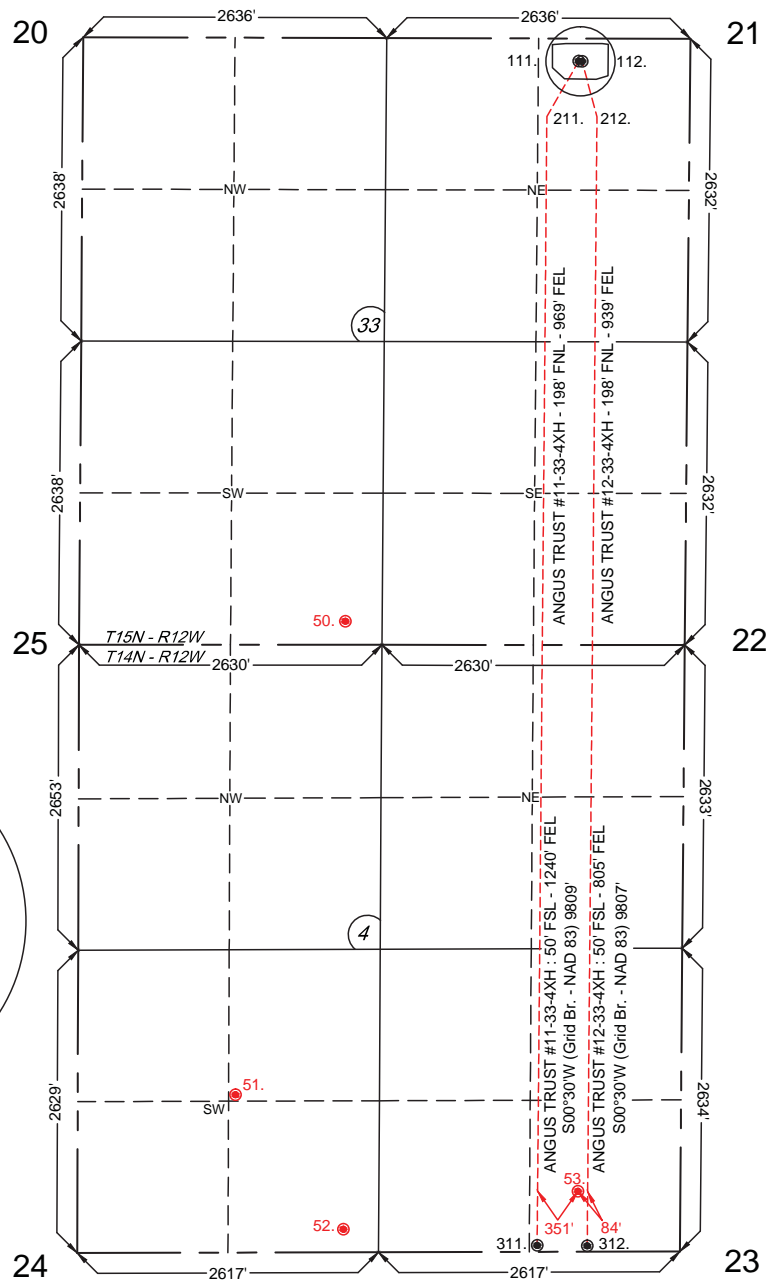
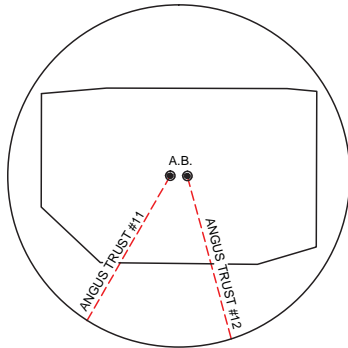
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(SHEET 2 OF 2)

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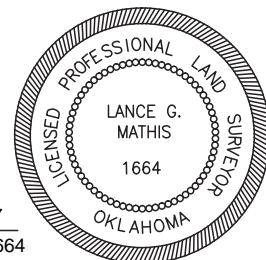
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