

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

API NUMBER: 049 25158 A

Approval Date: 09/14/2017
Expiration Date: 03/14/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE HOLE LOCATION.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 3N Rge: 4W

County: GARVIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 370 278

Lease Name: DICKSION

Well No: W4-21H

Well will be 278 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

JULIA ANN WHITE
1314 N. DRYDEN CT.
STILLWATER OK 74075

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

Name	Depth	Name	Depth
1 WOODFORD	13612	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 602785

Location Exception Orders:

Increased Density Orders: 667298

Pending CD Numbers: 201703936

Special Orders:

Total Depth: 18913

Ground Elevation: 1148

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 350

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: 5000 Average: 3000

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)
H. SEE MEMO

PERMIT NO: 17-33056

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 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 13441

Radius of Turn: 488

Direction: 359

Total Length: 4706

Measured Total Depth: 18913

True Vertical Depth: 14000

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

Notes:

Category

Description

DEEP SURFACE CASING

9/7/2017 - 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

9/7/2017 - 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

INCREASED DENSITY - 667298

9/14/2017 - G60 - 21-3N-4W
X602785 WDFD
3 WELLS
NO OP. NAMED
8/22/17

MEMO

9/7/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 – CUTTINGS WILL BE SOIL FARMED, PIT 2 – OBM RETURNED TO VENDOR, OBM CUTTINGS WILL BE HAULED TO PAULS VALLEY LANDFILL (GARVIN) 3525009 OR SOUTHERN PLAINS LANDFILL (GRADY) 3526013

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

049 25158 DICKSION W4-21H

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
PENDING CD - 201703936	9/14/2017 - G60 - (I.O.) 21-3N-4W X602785 WDFD SHL SE4 21-3N-4W COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO DICKSION 1-21H NO OP. NAMED REC. 7/10/17 (NORRIS)
SPACING - 602785	9/14/2017 - G60 - (640) 21-3N-4W VAC OTHERS EST OTHERS EXT WDFD, OTHERS



Well Location Plat

3504925158

EXHIBIT "A"
 Sec. 21-3N-4W I.M.
 GARVIN COUNTY
 (SHEET 2 OF 3)

Operator : CONTINENTAL RESOURCES, INC.

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	506592	2110275	0.0			1/2" IR NWc 21-3N-4W	
21	501303	2110308	0.0			1/2" IR SWc 21-3N-4W	
22	506589	2115572	0.0			3/8" IR NE 21-3N-4W	
23	501314	2115595	0.0			1/2" IR SEc 21-3N-4W	
50	501972	2114932	0.0	LAT:34°42'43.62"N LON:97°37'03.27"W	LAT:34.71211575 LON:-97.61757403	AC - OTC/OCC NA WHITE 1 OCC STATUS: PA, TVD: -	
51	501639	2113156	0.0	LAT:34°42'40.38"N LON:97°37'24.55"W	LAT:34.71121697 LON:-97.62348615	AC - CLR DICKSION 1-21H OCC STATUS: AC, TVD: 18571'	
52	506012	2113261	0.0	LAT:34°43'23.64"N LON:97°37'23.11"W	LAT:34.72323202 LON:-97.62308550	AC - NEWFIELD HOLINSWORTH 2H-9X OCC STATUS: -, TVD: 13777'	
53	505997	2113247	0.0	LAT:34°43'23.49"N LON:97°37'23.28"W	LAT:34.72319303 LON:-97.62313207	AC - NEWFIELD HOLINSWORTH 3H-9X OCC STATUS: -, TVD: 13905'	
54	505983	2113233	0.0	LAT:34°43'23.36"N LON:97°37'23.44"W	LAT:34.72315472 LON:-97.62317863	AC - NEWFIELD HOLINSWORTH 4H-9X OCC STATUS: -, TVD: 14155'	
55	501604	2110966	0.0	LAT:34°42'40.12"N LON:97°37'50.79"W	LAT:34.71114400 LON:-97.63077480	AC - NEWFIELD GREGORY 1H-28 OCC STATUS: AC, TVD: 19706'	
100	501683	2115315	1148.5'	LAT:34°42'40.74"N LON:97°36'58.69"W	LAT:34.71131713 LON:-97.61640245	A. DICKSION W4-21H 370' FSL - 278' FEL	1148.3'
101	501683	2115285	1150.2'	LAT:34°42'40.74"N LON:97°36'59.05"W	LAT:34.71131724 LON:-97.61640223	B. DICKSION W3-21H 370' FSL - 308' FEL	1148.3'
102	501683	2115005	1158.5'	LAT:34°42'40.75"N LON:97°37'02.40"W	LAT:34.71131857 LON:-97.61733394	C. DICKSION S4-21H 370' FSL - 588' FEL	1148.3'
200	502163	2115261	0.0	LAT:34°42'45.49"N LON:97°36'59.31"W	LAT:34.71263632 LON:-97.61647632	A. HEEL SLOT 850' FSL - 330' FEL	
201	502162	2114601	0.0	LAT:34°42'45.50"N LON:97°37'07.22"W	LAT:34.71263934 LON:-97.61867241	B. HEEL SLOT 850' FSL - 990' FEL	
202	502163	2115261	0.0	LAT:34°42'45.49"N LON:97°36'59.31"W	LAT:34.71263632 LON:-97.61647632	C. HEEL SLOT 850' FSL - 330' FEL	
300	506540	2115242	0.0	LAT:34°43'28.78"N LON:97°36'59.34"W	LAT:34.72466205 LON:-97.61648399	A. BOTTOM HOLE LOCATION 50' FNL - 330' FEL	
301	506540	2114582	0.0	LAT:34°43'28.81"N LON:97°37'07.25"W	LAT:34.72466971 LON:-97.61868041	B. BOTTOM HOLE LOCATION 50' FNL - 990' FEL	
302	506540	2115242	0.0	LAT:34°43'28.78"N LON:97°36'59.34"W	LAT:34.72466205 LON:-97.61648399	C. BOTTOM HOLE LOCATION 50' FNL - 330' 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 #7151-A

Date Staked : 08/12/17 By : R.L.

Date Drawn : 08/13/17 By : J.H.

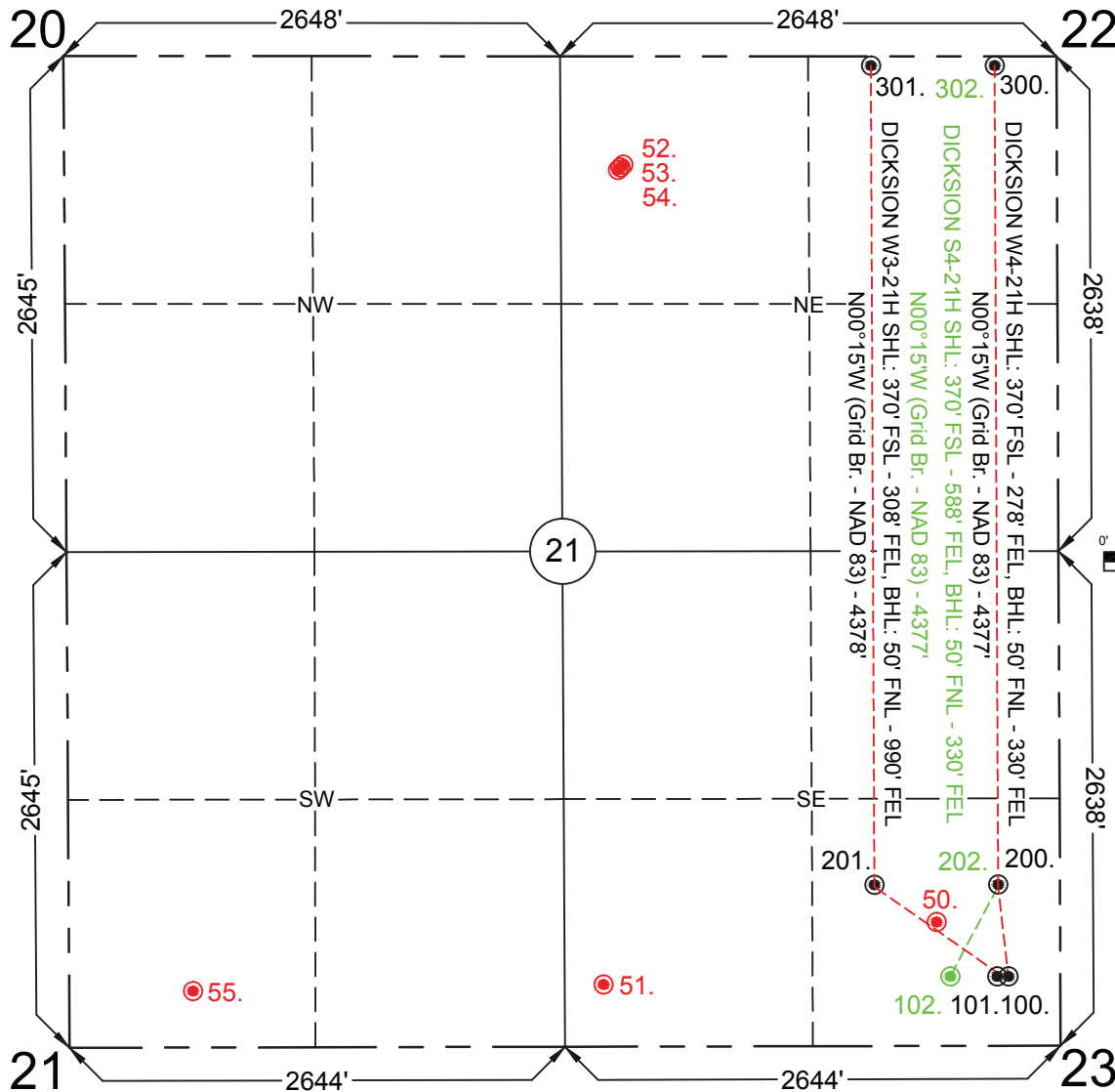


Well Location Plat

3504925158

EXHIBIT "A"
Sec. 21-3N-4W I.M.
GARVIN COUNTY
(SHEET 3 OF 3)

Operator : CONTINENTAL RESOURCES, INC.



1" = 1000'

GPS DATUM
NAD - 27
NAD - 83
OK SOUTH 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.

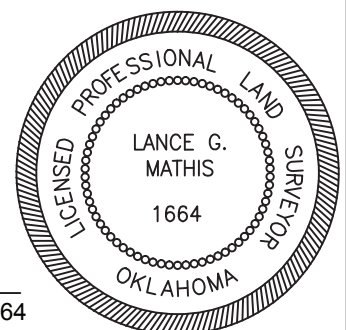
survey and plat by,

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.

LANCE G. MATHIS 12/05/17
OK LPLS 1664



Invoice #7151-A

Date Staked : 08/12/17 By : R.L.
Date Drawn : 08/13/17 By : J.H.