

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

API NUMBER: 049 25152 A

Approval Date: 03/13/2019
Expiration Date: 09/13/2020

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 1N Rge: 1W County: GARVIN
SPOT LOCATION: SW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 355 560

Lease Name: NANCE Well No: 1-14-15XHM Well will be 355 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

ARBUCKLE ENTERPRISES, LLC
33003 HWY. 7
DAVIS OK 73030

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12705	6	
2	WOODFORD	13215	7	
3	HUNTON	13500	8	
4			9	
5			10	

Spacing Orders: 672142
673777

Location Exception Orders: 674760

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 22447

Ground Elevation: 841

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

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: 3000 Average: 2000

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: 19-36339

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? 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 15 Twp 1N Rge 1W County GARVIN

Spot Location of End Point: W2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 50

Depth of Deviation: 12230

Radius of Turn: 477

Direction: 277

Total Length: 9468

Measured Total Depth: 22447

True Vertical Depth: 13975

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

Notes:

Category

Description

DEEP SURFACE CASING

3/5/2019 - 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

3/5/2019 - 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

LOCATION EXCEPTION - 674760

3/8/2019 - G75 - (I.O.)
X672142 MSSP, WDFD, HNTN
SHL (23-1N-1W) NE4
COMPL. INT. (14-1N-1W) NCT 165' FEL, NCT 0' FWL, NCT 330' FSL
COMPL. INT. (15-1N-1W) NCT 0' FEL, NCT 165' FWL, NCT 330' FSL
CONTINENTAL RESOURCES, INC.
3-16-2018 (MOTION EXTENDING TO 3-16-2020 REC 3-12-2019 BY NORRIS)

MEMO

3/5/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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

049 25152 NANCE 1-14-15XHM

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
SPACING - 672142	3/8/2019 - G75 - (640) 14 & 15-1N-1W VAC 169883/172043 SCMR, WDFD, HNTN 15-1N-1W VAC 532058 CNEY 15-1N-1W VAC 619622 CNEY, SCMR, WDFD, HNTN 14-1N-1W EST (VER) MSSP 14-1N-1W EST (HOR) WDFD, HNTN 14-1N-1W POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL POE TO BHL (HNTN) NCT 660' FB EST (VER) MSSP, WDFD, HNTN 15-1N-1W
SPACING - 673777	3/8/2019 - G75 - (I.O.) 14 & 15-1N-1W EST MULTIUNIT HORIZONTAL WELL X672142 MSSP, WDFD, HNTN (HNTN ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP, WDFD) 49% 14-1N-1W 51% 15-1N-1W NO OP. NAMED 2-20-2018 (CONTINUED UNTIL 4-15-2019)



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

API 049-25152 A

EXHIBIT "A"
S.H.L. Sec. 23-1N-1W I.M.
B.H.L. Sec. 15-1N-1W I.M.
GARVIN COUNTY
(SHEET 1 OF 6)

NAD 83

GPS DATUM
OK SOUTH ZONE

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	448938	2179264	0.0			4-WAY FC CORNER NWc 15-1N-1W	
21	443644	2179304	0.0			IR/105 CAP SWc 15-1N-1W	
22	448968	2184527	0.0			1/2" IR NWc 14-1N-1W	
23	443684	2184572	0.0			3/8" IR NWc 23-1N-1W	
24	438408	2184607	0.0			1/2" IR NEc 27-1N-1W	
25	448985	2189816	0.0			1/2" IR NEc 14-1N-1W	
26	443704	2189862	0.0			CALC NEc 23-1N-1W	
27	438423	2189903	0.0			1/2" IR SEc 23-1N-1W	
100	443347	2189305	840.1	LAT:34°32'57.77"N LON:97°16'00.13"W	LAT:34.54938105 LON:-97.26670187	A. NANCE #1-14-15XH 355' FNL - 560' FEL	841.4
200	444030	2188819	0.0	LAT:34°33'04.56"N LON:97°16'05.87"W	LAT:34.55126802 LON:-97.26829806	A. HEEL SLOT 330' FSL - 1040' FEL	
300	443974	2179352	0.0	LAT:34°33'04.67"N LON:97°17'59.07"W	LAT:34.55129846 LON:-97.29974059	A. BOTTOM HOLE LOCATION 330' FSL - 50' FWL	

NAD 27

GPS DATUM
OK SOUTH ZONE

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	448895	2210860	0.0			4-WAY FC CORNER NWc 15-1N-1W	
21	443601	2210900	0.0			IR/105 CAP SWc 15-1N-1W	
22	448925	2216123	0.0			1/2" IR NWc 14-1N-1W	
23	443641	2216167	0.0			3/8" IR NWc 23-1N-1W	
24	438365	2216202	0.0			1/2" IR NEc 27-1N-1W	
25	448942	2221412	0.0			1/2" IR NEc 14-1N-1W	
26	443661	2221458	0.0			CALC NEc 23-1N-1W	
27	438380	2221498	0.0			1/2" IR SEc 23-1N-1W	
100	443304	2220900	840.1	LAT:34°32'57.47"N LON:97°15'59.05"W	LAT:34.54929651 LON:-97.26640224	A. NANCE #1-14-15XH 355' FNL - 560' FEL	841.4
200	443987	2220415	0.0	LAT:34°33'04.26"N LON:97°16'04.79"W	LAT:34.55118353 LON:-97.26799839	A. HEEL SLOT 330' FSL - 1040' FEL	
300	443931	2210947	0.0	LAT:34°33'04.37"N LON:97°17'57.99"W	LAT:34.55121423 LON:-97.29944032	A. BOTTOM HOLE LOCATION 330' FSL - 50' 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 #7140

Date Staked : 05/18/17 By : J.L.

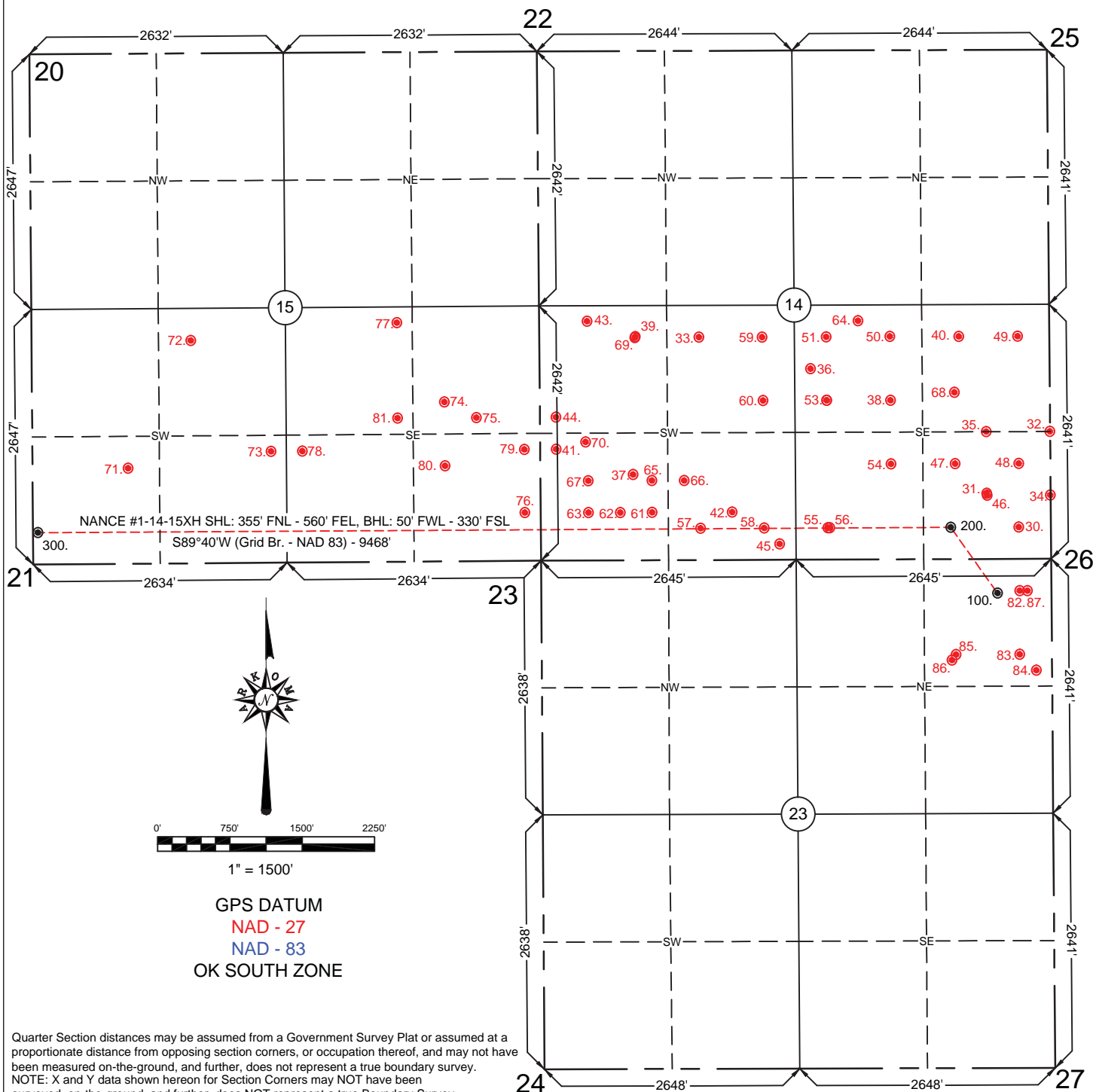
Date Drawn : 06/02/17 By : J.H.



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 23-1N-1W I.M.
B.H.L. Sec. 15-1N-1W I.M.
GARVIN COUNTY
(SHEET 2 OF 6)



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.

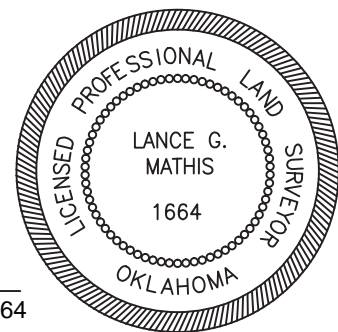
survey and plat by,
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2018

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
LANCE G. MATHIS

06/05/17
OK LPLS 1664



Invoice #7140
Date Staked : 05/18/17 By : J.L.
Date Drawn : 06/02/17 By : J.H.