

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

API NUMBER: 011 23792

Approval Date: 04/28/2017

Expiration Date: 10/28/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 16N Rge: 12W

County: BLAINE

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 310 500

Lease Name: R. MOORE

Well No: 1-24H

Well will be 310 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

JANET R. MOORE TRUST
2710 W. 20TH
STILLWATER OK 74074

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

Name	Depth	Name	Depth
1 MISS'AN (EX CHESTER)	10730	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 652438

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701427
201605034

Special Orders:

Total Depth: 15835

Ground Elevation: 1515

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 230

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-32461

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 24 Twp 16N Rge 12W County BLAINE

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 360

Depth of Deviation: 10363

Radius of Turn: 643

Direction: 185

Total Length: 4462

Measured Total Depth: 15835

True Vertical Depth: 10730

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/19/2017 - 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

4/19/2017 - 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

4/19/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201605034

4/26/2017 - G75 - (I.O.) 24-16N-12W
X652438/201701427 MSNLC
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL
NO OP. NAMED
REC 4-24-2017 (NORRIS)

PENDING CD - 201701427

4/19/2017 - G75 - (640) 24-16N-12W
MOD 652438 CHANGING MSSP TO MSNLC & NOT VAC 221573 CSTR
REC 4-24-2017 (NORRIS)

PUBLIC WATER SUPPLY WELLS

4/19/2017 - G71 - WATONGA, 4 PWS/WPA, SE4 13-16N-12W

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 23792 R. MOORE 1-24H

Category

Description

SPACING - 652438

4/19/2017 - G75 - (640) 24-16N-12W
VAC 221573 CSTR (MOD TO NOT VAC BY 201701427)
EXT 647450 MSSP (MOD TO MSNLC BY 201701427), OTHERS

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.



Well Location Plat

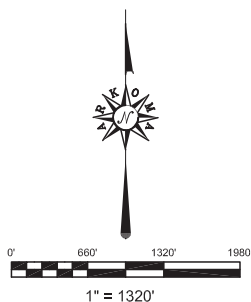
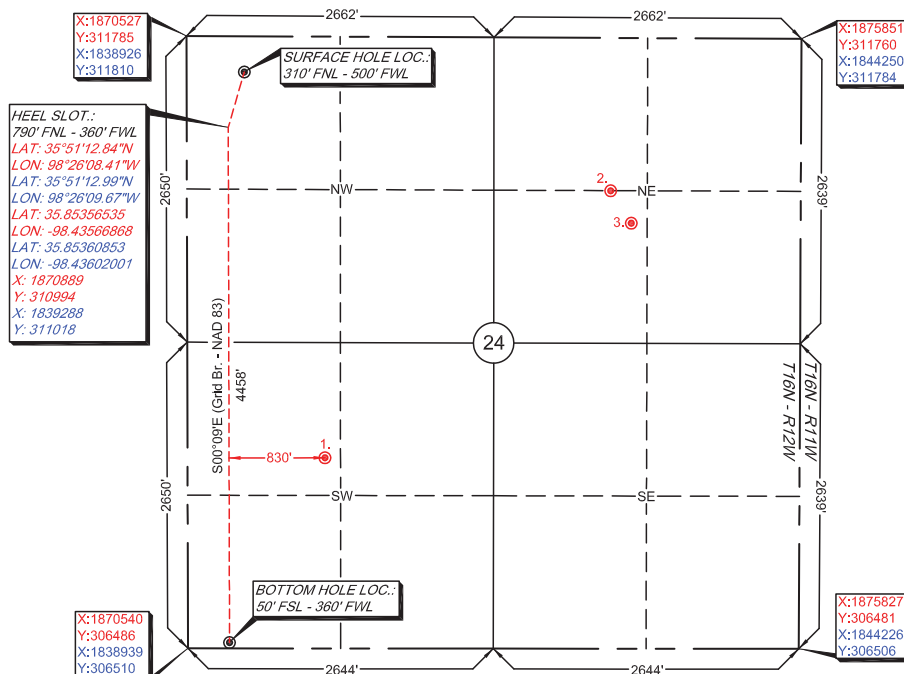
API 011-23792

EXHIBIT "A"
Sec. 24-16N-12W I.M
BLAINE COUNTY

R Moore

Operator : CONTINENTAL RESOURCES, INC.

	LEASE NAME	SHL	NAT. GR. ELEV.	LATITUDE	LONGITUDE	EASTING	NORTHING	BHL	LATITUDE	LONGITUDE	EASTING	NORTHING	DESIGN ELEV.
A.	R Moore #1-24H	310' FNL 500' FWL	1515'	35°51'17.58"N 35°51'17.74"N 35.85488391 35.85492706	98°26'06.75"W 98°26'08.01"W -98.43520762 -98.43555897	1871027 1839426	311473 311497	50' FSL 360' FWL	35°50'28.74"N 35°50'28.90"N 35.84131769 35.84136121	98°26'08.03"W 98°26'09.29"W -98.43556373 -98.43591477	1870900 1839299	306535 306560	1513.09'



GPS DATUM
NAD - 27
NAD - 83
OK NORTH ZONE

1. WILSHIRE
GAMMON #1
1650' FSL - 1190' FWL
LAT: 35°50'44.60"N
LON: 98°25'58.08"W
LAT: 35.84572145
LON: -98.43280095
X: 1871726
Y: 308135
OCC STATUS: PA
TVD: 9,550'

2. CRAWLEY
MANKE #1-24
1323' FNL - 1645' FEL
LAT: 35°51'07.56"N
LON: 98°25'28.16"W
LAT: 35.85209888
LON: -98.42448920
X: 1874199
Y: 310445
OCC STATUS: AC
TVD: 9,561'

3. CONOCO PHILLIPS
FRANK MOUDRY UNIT
1602' FNL - 1466' FEL
LAT: 35°51'04.79"N
LON: 98°25'25.99"W
LAT: 35.85133042
LON: -98.42388540
X: 1874377
Y: 310165
OCC STATUS: PA
TVD: 9,520'

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.

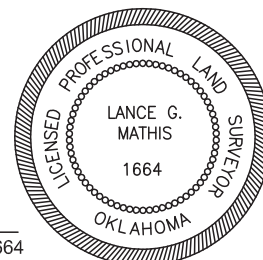
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.
Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.
GPS data is observed from RTK - GPS.

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 11/14/16
LANCE G. MATHIS OK LPLS 1664



Invoice #6420

Date Staked : 11/01/16 By : C.K.
Date Drawn : 11/04/16 By : J.H.