

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

API NUMBER: 073 26342

Approval Date: 11/09/2018
Expiration Date: 05/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 20N Rge: 9W County: KINGFISHER
SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 800

Lease Name: SHADRACH 19-09-05 Well No: 1MH Well will be 250 feet from nearest unit or lease boundary.
Operator Name: CHISHOLM OIL & GAS OPERATING LLC Telephone: 9184886400 OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC
6100 S YALE AVE STE 1700
TULSA, OK 74136-1921

CHARLES E BUCKMINISTER & NANCY BUCKMINISTER
6100 S YALE AVE., SUITE 1700
TULSA OK 74136

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7290	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807892
201808113

Special Orders:

Total Depth: 13317 Ground Elevation: 1155 **Surface Casing: 300** Depth to base of Treatable Water-Bearing FM: 250

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35640
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 05 Twp 19N Rge 9W County KINGFISHER

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 845

Depth of Deviation: 7529

Radius of Turn: 493

Direction: 180

Total Length: 5014

Measured Total Depth: 13317

True Vertical Depth: 8050

End Point Location from Lease,
Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

11/5/2018 - 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

PENDING CD - 201807892

11/8/2018 - G58 - (E.O.)(640)(HOR) 5-19N-9W
EXT 682719 MSSP, OTHERS
COMPL. INT. NLT 660' FB
(COEXIST SP ORDER 94316/94605 MSSSD, CSTR, MNNG; SP ORDER 94316/94605/98358
MSSSD, CSTR, MNNG)
REC 11/5/2018 (JOHNSON)

PENDING CD - 201808113

11/8/2018 - G58 - (E.O.) 5-19N-9W
X201807892 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
NO OP. NAMED
REC 11/5/2018 (JOHNSON)



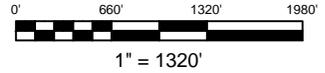
Well Location Plat

S.H.L. Sec. 32-20N-9W I.M.
B.H.L. Sec. 5-19N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC
Lease Name and No.: SHADRACH 19-09-05 1MH 073-26342
Footage: 250' FSL - 800' FEL Gr. Elevation: 1155'
SE/4-SW/4-SE/4-SE/4 Section: 32 Township: 20N Range: 9W I.M.
County: Kingfisher State of Oklahoma
Terrain at Loc.: Location fell in a field.



All bearings shown are grid bearings.



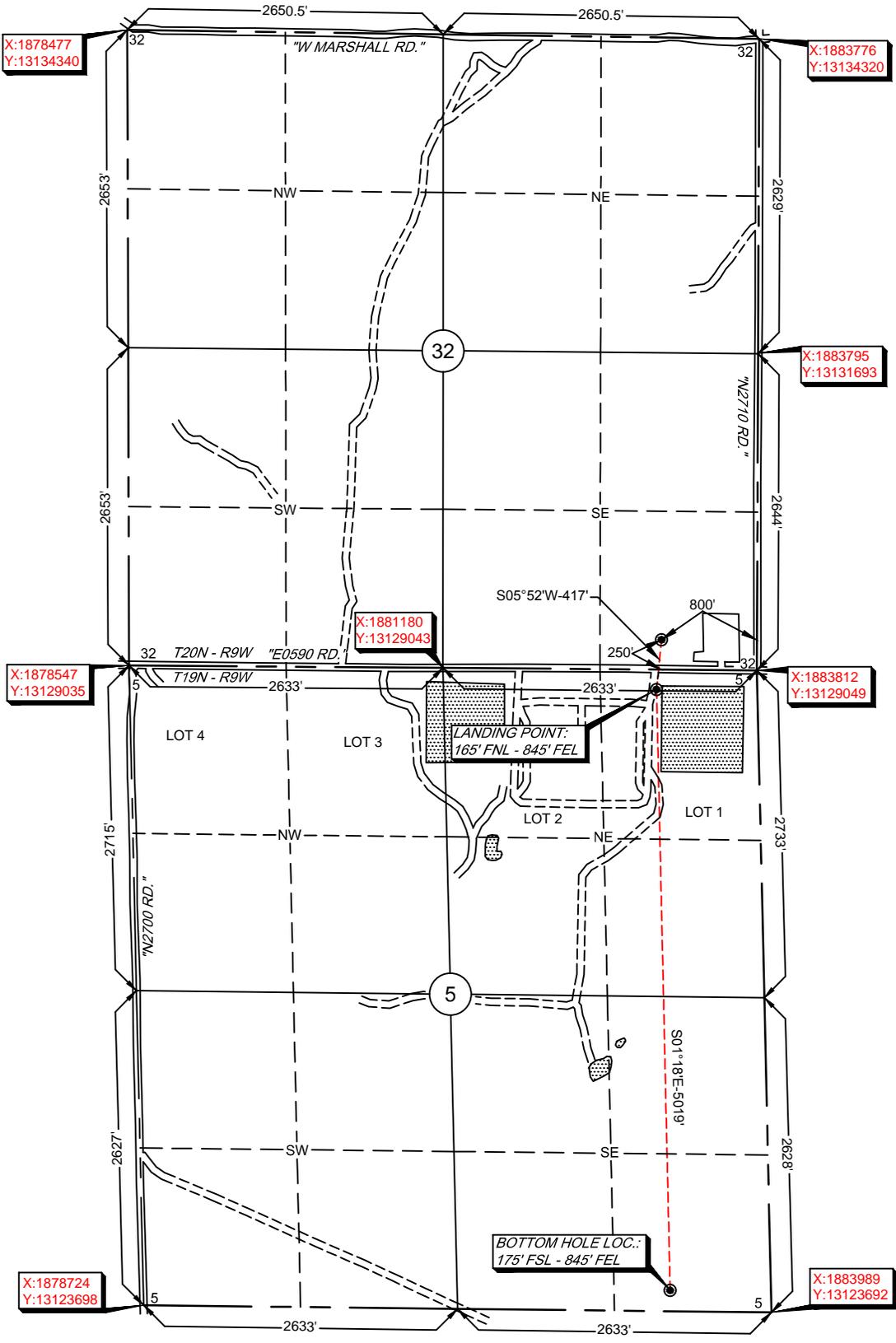
GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:
Lat: 36°09'36.48"N
Lon: 98°10'41.82"W
Lat: 36.16009654
Lon: -98.17793963
X:1883011
Y:13129297

Landing Point:
Lat: 36°09'32.38"N
Lon: 98°10'42.33"W
Lat: 36.15895719
Lon: -98.17808147
X:1882972
Y:13128882

Bottom Hole Loc.:
Lat: 36°08'42.76"N
Lon: 98°10'40.83"W
Lat: 36.14517477
Lon: -98.17766448
X:1883138
Y:13123868

-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.
-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. 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.



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, 2020

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 #8224
Date Staked: 10/04/18 By: D.K.
Date Drawn: 10/04/18 By: R.S.
Rev. Lease Name: 10/09/18 By: R.S.


LANCE G. MATHIS 10/09/18
OK LPLS 1664

