

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

API NUMBER: 073 26343

Approval Date: 11/09/2018

Expiration Date: 05/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 18N Rge: 9W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 210 1320

Lease Name: MEDICINE MAN 18-09-17

Well No: 1MH

Well will be 210 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

CAROLYN ANN FLUMAN, WILLIAM RAY HAWKINS AND
FAYE ETTA STRAIN
10359 N 27040 RD
SUCCESSOR CO TRUSTEES OF THE HAWKINS FAMILY
TRUST
LOYAL OK 74136

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	7796	6
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 652342

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808061

Special Orders:

Total Depth: 13417

Ground Elevation: 1157

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

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: CEDAR HILLS

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

PERMIT NO: 18-35635

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 17 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 7629

Radius of Turn: 542

Direction: 180

Total Length: 4936

Measured Total Depth: 13417

True Vertical Depth: 8150

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/1/2018 - 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 - 201808061

11/9/2018 - G58 - (I.O.) 17-18N-9W
X652342 MSNLC
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FEL
NO OP. NAMED
REC 10/22/2018 (JOHNSON)

SPACING - 652342

11/9/2018 - G58 - (640)(HOR) 17-18N-9W
VAC 59283/62417 MSSSD W2 NE4, NW4, SE4, E2 SW4 17-18N-9W
EXT 635762 OTHERS
EST MSNLC
POE TO BHL NLT 660' FB
(COEXIST SP ORDER 59283/62417 MSSSD W2 SW4, E2 NE4)



Well Location Plat

S.H.L. Sec. 8-18N-9W I.M.
B.H.L. Sec. 17-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC
Lease Name and No.: MEDICINE MAN 18-09-17 1MH
Footage: 210' FSL - 1320' FEL Gr. Elevation: 1157'
S/2-S/2-S/2-SE/4 Section: 8 Township: 18N Range: 9W I.M.
County: Kingfisher State of Oklahoma
Terrain at Loc.: Location fell on very hilly terrain.



All bearings shown
are grid bearings.

0' 660' 1320' 1980'

1" = 1320'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°02'38.03"N

Lon: 98°10'45.51"W

Lat: 36.04386052

Lon: -98.17896485

X:1883065

Y:13086996

Landing Point:

Lat: 36°02'34.32"N

Lon: 98°10'45.50"W

Lat: 36.04283038

Lon: -98.17896227

X:1883069

Y:13086621

Bottom Hole Loc.:

Lat: 36°01'45.49"N

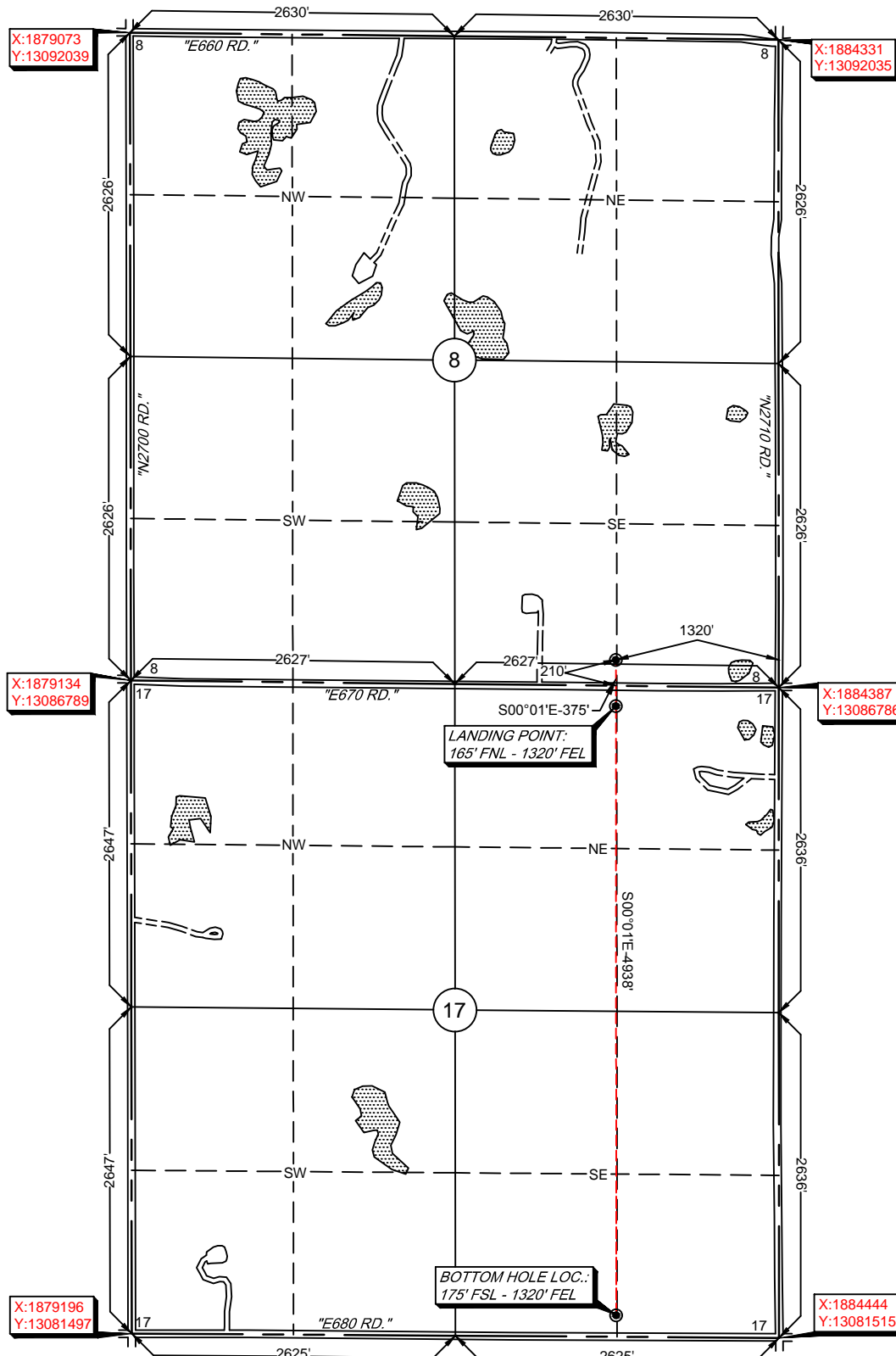
Lon: 98°10'45.37"W

Lat: 36.02926509

Lon: -98.17892440

X:1883122

Y:13081685



-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.

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

Invoice #7937

Date Staked: 06/21/18 By: D.K.

Date Drawn: 07/02/18 By: K.B.

Rev. Lease Name: 10/08/18 By: R.S.

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

10/08/18

OK LPLS 1664

