

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

API NUMBER: 093 25140

Approval Date: 05/21/2018

Expiration Date: 11/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 20N Rge: 14W

County: MAJOR

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 175 260

Lease Name: BULLSEYE

Well No: 20-14-30 1H

Well will be 175 feet from nearest unit or lease boundary.

Operator Name: STAGHORN PETROLEUM II LLC

Telephone: 9185842558

OTC/OCC Number: 24056 0

STAGHORN PETROLEUM II LLC

1 W 3RD ST STE 1000

TULSA, OK 74103-3500

VALDEN BRYANT & THERESA BRYANT

239144 EAST COUNTY ROAD 58

CHESTER OK 73838

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9345	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 677969

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802386

Special Orders:

Total Depth: 14100

Ground Elevation: 1682

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 320

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-34521

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 30 Twp 20N Rge 14W County MAJOR

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 135

Feet From: WEST 1/4 Section Line: 360

Depth of Deviation: 8564

Radius of Turn: 573

Direction: 2

Total Length: 4636

Measured Total Depth: 14100

True Vertical Depth: 9345

End Point Location from Lease,
Unit, or Property Line: 135

Notes:

Category

Description

DEEP SURFACE CASING

5/21/2018 - G75 - 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

5/15/2018 - 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

INTERMEDIATE CASING

5/15/2018 - 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

5/15/2018 - 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.

093 25140 BULLSEYE 20-14-30 1H

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 - 201802386	5/21/2018 - G75 - (I.O.) 30-20N-14W X677969 MSSP COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 4-16-2018 (JOHNSON)
SPACING - 677969	5/21/2018 - G75 - (640)(HOR) 30-20N-14W EXT 652802 MSSP, OTHERS COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 86465 CRLM, MSSSD & ORDER # 141045 MPLM)



Well Location Plat

Sec. 30-20N-14W I.M.

Operator: STAGHORN PETROLEUM, LLC

API 093-25140

Lease Name and No.: BULLSEYE 20-14-30 1H

Footage: 175' FSL - 260' FWL Gr. Elevation: 1682'

Section: 30 Township: 20N Range: 14W I.M.

County: Major State of Oklahoma

Terrain at Loc.: Location fell in a wheat field, North of existing power line, and North and East of existing fence.



All bearings shown are grid bearings.



GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°10'26.41"N

Lon: 98°44'31.15"W

Lat: 36.17396481

Lon: -98.74162082

X:1716652

Y:13133418

Landing Point:

Lat: 36°10'29.49"N

Lon: 98°44'29.95"W

Lat: 36.17481851

Lon: -98.74128529

X:1716750

Y:13133729

Bottom Hole Loc.:

Lat: 36°11'15.34"N

Lon: 98°44'30.15"W

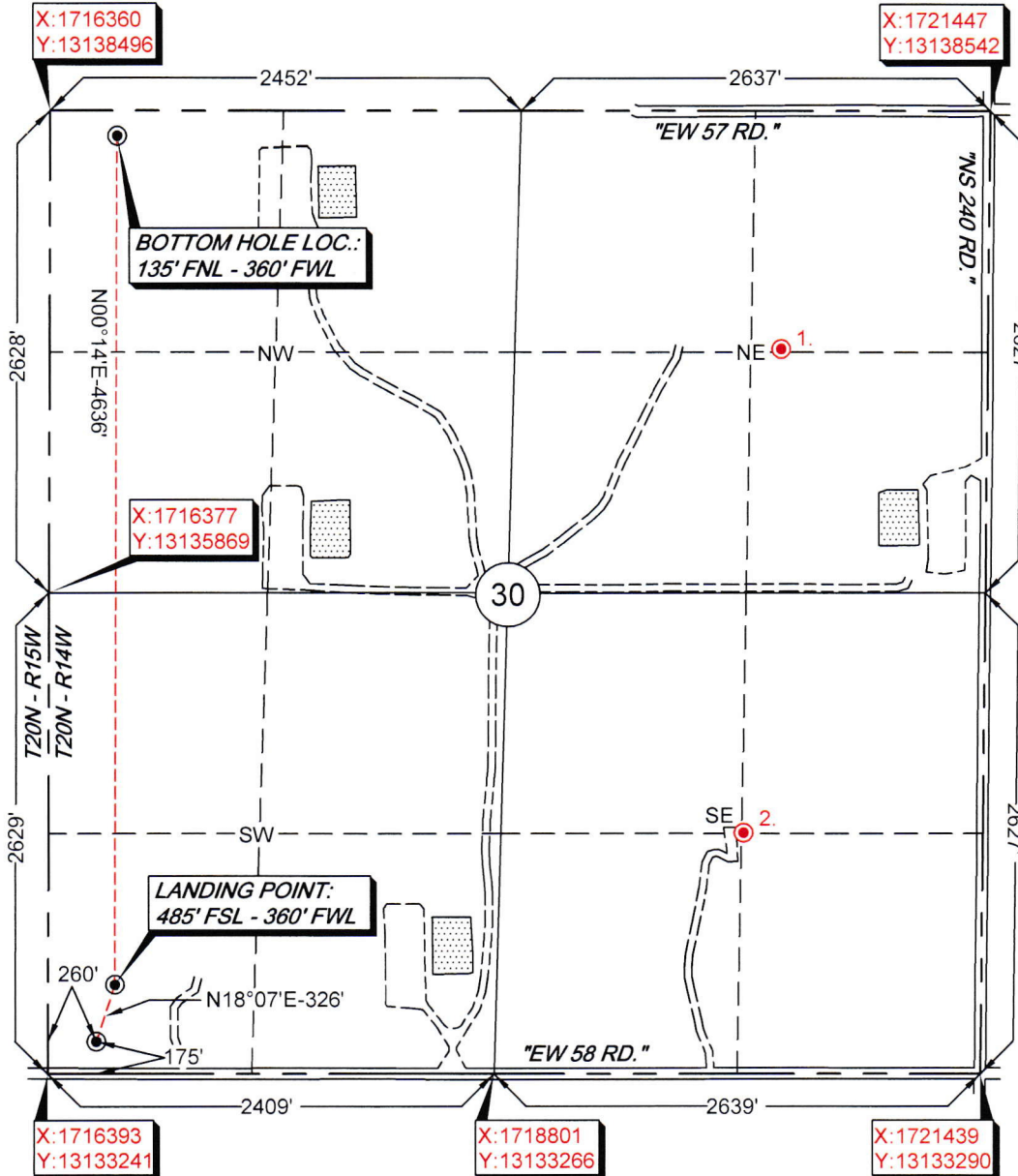
Lat: 36.18755487

Lon: -98.74134076

X:1716721

Y:13138364

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 obtained from RTK - GPS. NOTE: X and Y data shown herein 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.



1. OTC/OCC NOT ASSIGNED
ALLEN MCKEE 1-30
3960' FSL - 3960' FWL (NE/4)
OCC STATUS: PA

2. ALMONT ENERGY LLC
KLUCKNER 1-30
1320' FSL - 1320' FWL (SE/4)
OCC STATUS: PA

PLEASE NOTE
EXISTING WELL DATA SHOWN HEREON WAS
FURNISHED FROM THE OCC WEBSITE AND WAS NOT
SURVEYED OR VERIFIED ON THE GROUND

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 #7602

Date Staked: 01/31/18 By: J.W.

Date Drawn: 02/05/18 By: C.K.

Lance G. Mathis
LANCE G. MATHIS

02/06/18

OK LPLS 1664

