

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

API NUMBER: 073 25516

Approval Date: 02/14/2017
Expiration Date: 08/14/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION: NE NE NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 200 2461

Lease Name: TULE 18-06-10

Well No: 2H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: STAGHORN PETROLEUM LLC

Telephone: 9185842558

OTC/OCC Number: 23753 0

STAGHORN PETROLEUM LLC
1 W 3RD ST STE 1000
TULSA, OK 74103-3500

PEARL L HILL TRUST
23026 EAST 660 ROAD
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 OSWEGO	6269	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658732

Location Exception Orders: 659689

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11300

Ground Elevation: 1165

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 180

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: 3500 Average: 1500

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: 17-32113

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 10 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2554

Depth of Deviation: 5700

Radius of Turn: 532

Direction: 178

Total Length: 4764

Measured Total Depth: 11300

True Vertical Depth: 6302

End Point Location from Lease,
Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
PEARL L HILL TRUST	23026 EAST 660 ROAD	HENNESSEY, OK 73742

Notes:

Category

Description

HYDRAULIC FRACTURING

2/9/2017 - 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

LOCATION EXCEPTION - 659689

2/14/2017 - G60 - (I.O.) 10-18N-6W
X658732 OSWG
COMPL. INT. NCT 330' FNL, NCT 2451 FWL TO NCT 330' FSL, NCT 2554' FEL
STAGHORN PETROLEUM, LLC.
1/9/17

SPACING - 658732

2/14/2017 - G60 - (640)(HOR) 10-18N-6W
EXT 646163 OSWG
EXT OTHERS
COMPL. INT. NLT 660' FB
(COEXIST WITH SP. ORDER 51905 OSWG)



Well Location Plat

Sec. 10-18N-6W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: ELIZA 18-06-10 10H

3507325516

Footage: 200' FNL - 2461' FWL Gr. Elevation: 1166'

Section: 10 Township: 18N Range: 6W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell on existing pad.



All bearings shown are grid bearings.



1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°03'27.15"N

Lon: 97°49'40.43"W

Lat: 36.05750335

Lon: -97.82756489

X:1986862

Y:13093024

Landing Point:

Lat: 36°03'23.68"N

Lon: 97°49'40.43"W

Lat: 36.05653900

Lon: -97.82756627

X:1986866

Y:13092673

Bottom Hole Loc.:

Lat: 36°02'38.84"N

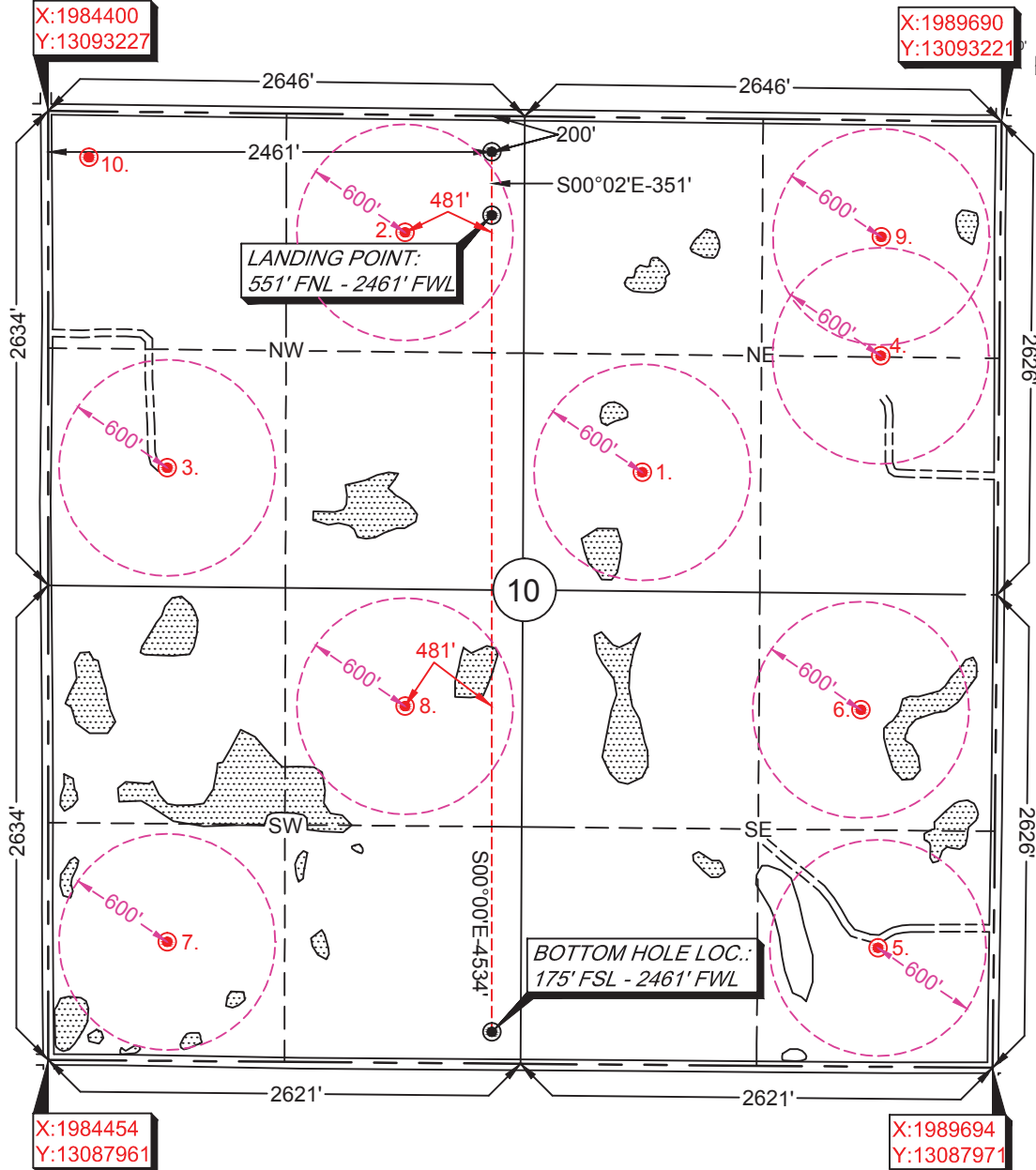
Lon: 97°49'40.52"W

Lat: 36.04408241

Lon: -97.82759144

X:1986913

Y:13088140



-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, 2018
Invoice #6698-B-B

Date Staked : 09/12/17 By : C.K.
Date Drawn : 10/05/17 By : C.K.
Rev. Lse. Nm. : 11/16/17 By : C.K.

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

11/20/17

OK LPLS 1664

