

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

API NUMBER: 073 25319

Approval Date: 06/14/2016  
Expiration Date: 12/14/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION:  SW  SW  SW  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 255 2450

Lease Name: WHITETAIL18-06-01

Well No: 1H

Well will be 255 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

WILLIAM & SANDRA FERRELL  
7677 US HWY. 81  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISS'AN (EX CHESTER)	6927	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 633476

Location Exception Orders: 653231

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12130

Ground Elevation: 1147

**Surface Casing: 450**

Depth to base of Treatable Water-Bearing FM: 200

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: 5000 Average: 3000

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: SALT PLAINS

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

PERMIT NO: 16-31230

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 01 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 2590

Depth of Deviation: 6680

Radius of Turn: 573

Direction: 359

Total Length: 4550

Measured Total Depth: 12130

True Vertical Depth: 7206

End Point Location from Lease,  
Unit, or Property Line: 200

Notes:

Category

Description

BOTTOM-HOLE LOCATION

6/14/2016 - G75 - 200' FNL, 2590' FEL NE4 1-18N-6W PER STAKING PLAT

HYDRAULIC FRACTURING

6/13/2016 - 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 - 653231

6/14/2016 - G75 - (I.O.) 1-18N-6W  
X633476 MSNLC  
SHL 255 FSL, 2450 FEL  
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 2450 FEL  
STAGHORN PETRO., LLC  
6-3-2016

SPACING - 633476

6/14/2016 - G75 - (640)(HOR) 1-18N-6W  
EST MSNLC, OTHERS  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 44960/62761 MSSLM)

SURFACE LOCATION

6/14/2016 - G75 - 255' FSL, 2450' FEL SE4 1-18N-6W PER STAKING PLAT



# Well Location Plat

## Showing Final Pad Elevation

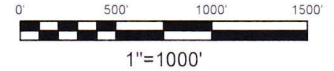
API 073-25319

Sec. 1-18N-6W I.M.

Operator : STAGHORN PETROLEUM, LLC  
 Lease Name and No. : WHITETAIL 18-06-01 #1H  
 Footage : 255' FSL -2450' FEL GR. ELEVATION : 1147' **FINAL PAD ELEV. : 1149'**  
 Section : 1 Township : 18N Range : 6W I.M. Good Site? YES  
 County : Kingfisher State of Oklahoma  
 Alternate Loc. : N/A  
 Terrain at Loc. : Location falls in a grass field draining to the East.

Accessibility : From the West.

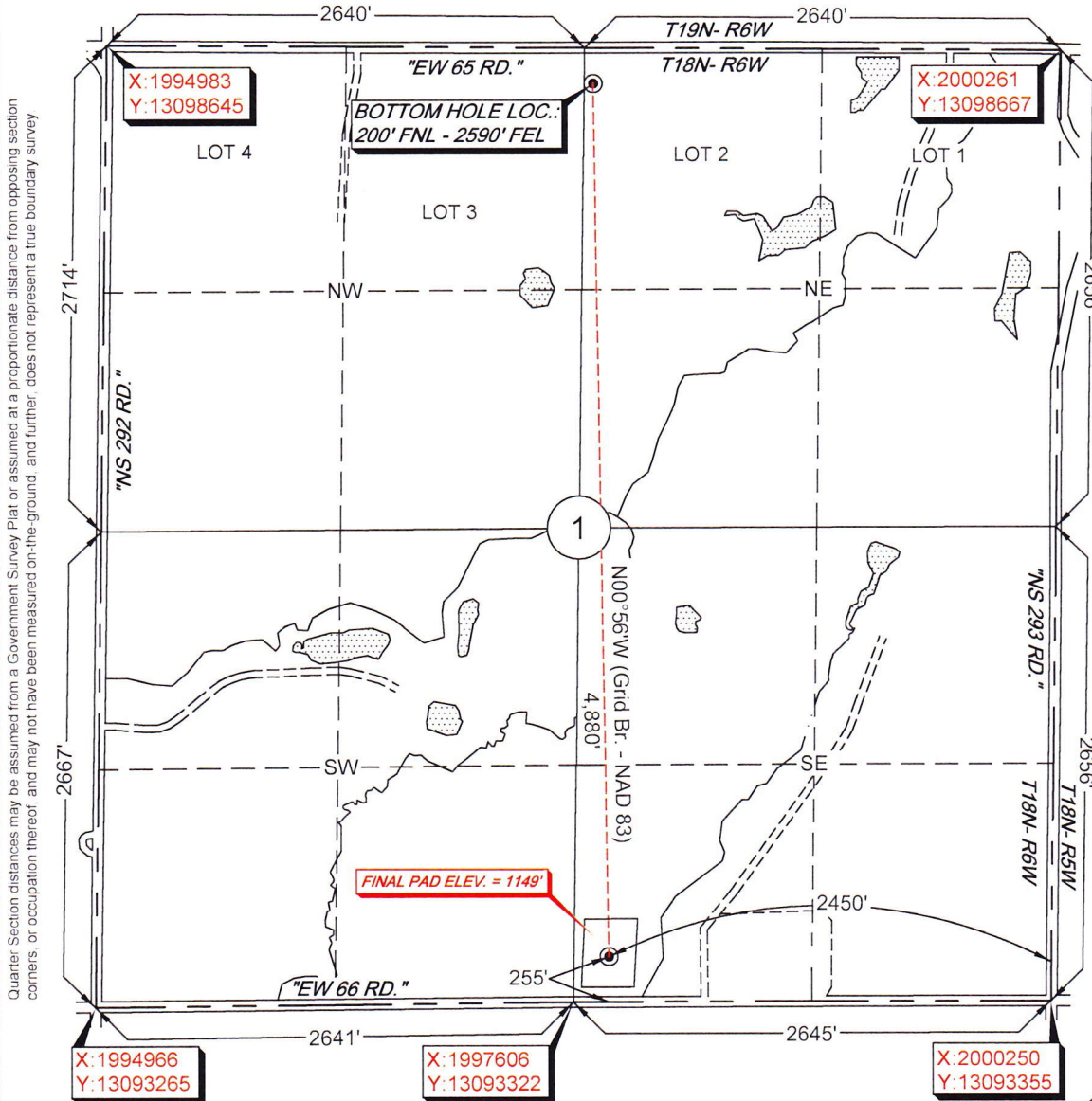
Directions : From the intersection "NS 292 RD." and State Highway 51, 5.0 miles East of Hennessey, OK, go 4.0 miles South on "NS 292 RD." and 0.5 mile East on "EW 66 RD." to the S/4 Corner of Section 1-18N-6W.



GPS DATUM  
 NAD - 83  
 NAD - 27  
 UTM - ZONE 14

Surface Hole Loc. :  
 Lat: 36°03'31.32"N  
 Lon: 97°47'27.10"W  
 Lat:36.05866067  
 Lon:-97.79053038  
 X: 1997801  
 Y: 13093579

Bottom Hole Loc. :  
 Lat: 36°04'19.57"N  
 Lon: 97°47'27.94"W  
 Lat:36.07206446  
 Lon:-97.79076483  
 X: 1997671  
 Y: 13098456



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

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

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, 2016  
 Invoice #6216  
 Date Staked : 02/26/16 By : H.N.  
 Date Drawn : 02/29/16 By : J.H.  
 Added BHL / Rev. X & Y : 04/08/16 By : J.H.  
 Rev. BHL & Name : 04/11/16 By : R.S.  
 Add Final Pad Elev. : 05/12/16 By : K.M.

**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 05/12/16  
 OK LPLS 1664

