

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

API NUMBER: 073 26012

Approval Date: 04/17/2018

Expiration Date: 10/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 19N Rge: 6W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 260 2485

Lease Name: EAST HENNESSEY UNIT

Well No: 254H

Well will be 2485 feet from nearest unit or lease boundary.

Operator Name: HINKLE OIL & GAS INC

Telephone: 4058480924

OTC/OCC Number: 21639 0

HINKLE OIL & GAS INC  
5600 N MAY AVE STE 295  
OKLAHOMA CITY, OK 73112-4275

JEAN MERRITT CASEY FARMS LLC  
P.O. BOX 185  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN SOLID	8000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 61709

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13277

Ground Elevation: 1144

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 60

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 4000 Average: 1800

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: 18-34253

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 19 Twp 19N Rge 6W County KINGFISHER

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 2190

Depth of Deviation: 7143

Radius of Turn: 573

Direction: 358

Total Length: 5234

Measured Total Depth: 13277

True Vertical Depth: 8000

End Point Location from Lease,  
Unit, or Property Line: 870

Notes:

Category

Description

DEEP SURFACE CASING

4/11/2018 - G71 - 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

4/11/2018 - 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](http://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](http://FRACFOCUS.ORG)

SPACING - 61709

4/16/2018 - G75 - (UNIT) E2 SW4 & E2 18, 19 & 30-19N-6W  
EST EAST HENNESSEY UNIT FOR MSSSD, OTHERS

# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

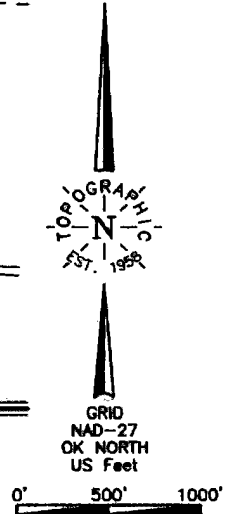
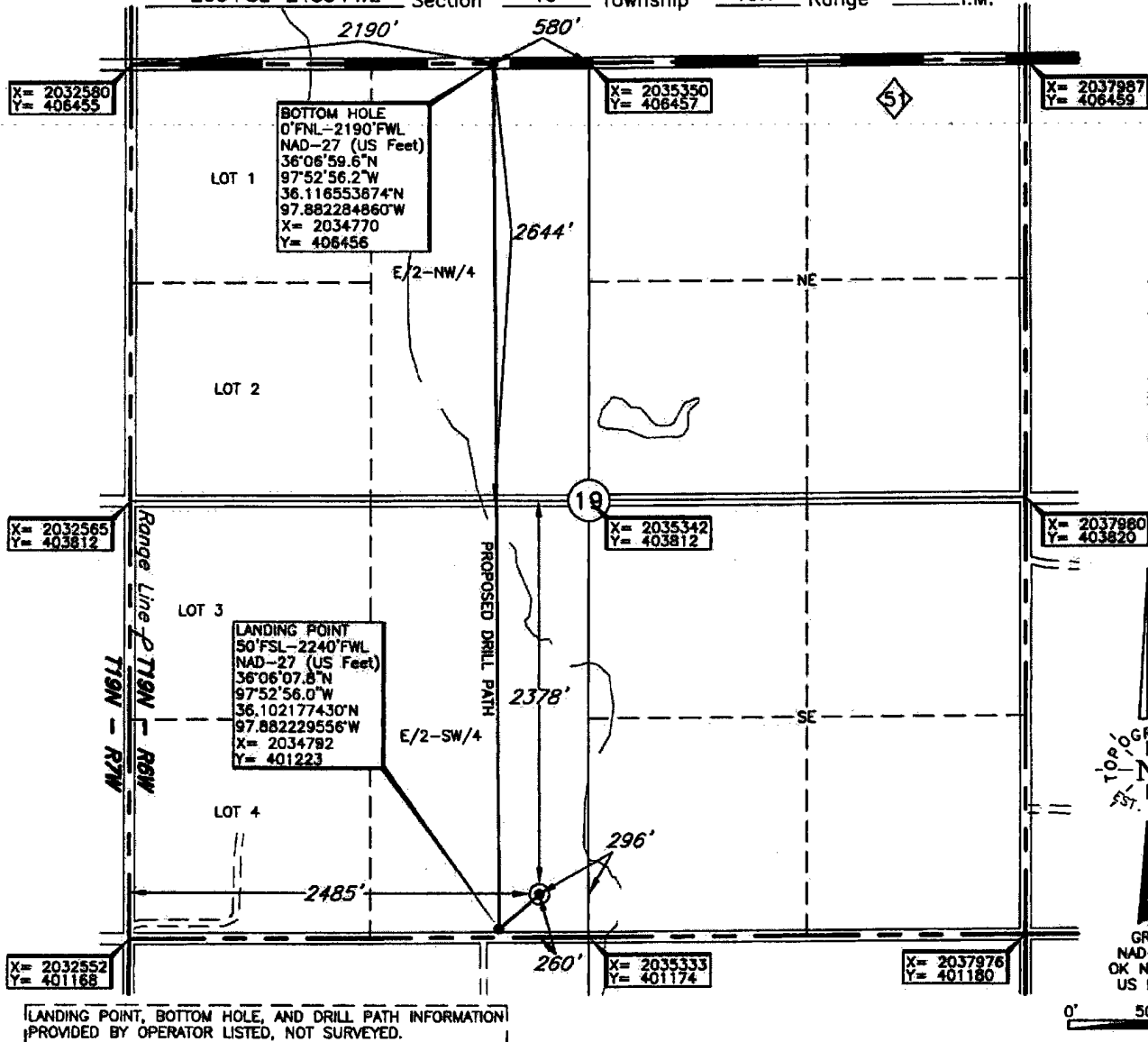
API 073-26012

KINGFISHER

County, Oklahoma

260' FSL-2485' FWL Section 19 Township 19N Range 6W I.M.

**NOTE:**  
The information shown herein is for construction purposes ONLY.



Operator: HINKLE OIL & GAS

Lease Name: EHU

Well No.: 254H

**ELEVATION:**

1144' Gr. at Stake

Topography & Vegetation Loc. fell in sloped wheat field.

Good Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From South off county road.

Distance & Direction  
from Hwy Jct or Town From the junction of St. Hwy. 51 E-W and St. Hwy. 81 N-S in Hennessey, OK,  
go East on St. Hwy. 51, ±0.5 mile, then South ±1 mile to the SW Cor. of Sec. 19-19N-6W.

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.  
DATUM: NAD-27  
LAT: 36°06'09.9\"N  
LONG: 97°52'53.0\"W  
LAT: 36.102754948\"N  
LONG: 97.881396751\"W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 2035038  
Y: 401434

Date of Drawing: Apr. 4, 2018  
Invoice # 291642B Date Staked: Mar. 30, 2018

## CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

*Thomas L. Howell*  
Oklahoma Lic. No. 1433

