

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

API NUMBER: 043 23701

Approval Date: 05/23/2019

Expiration Date: 11/23/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 19N Rge: 14W County: DEWEY  
SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 208 405

Lease Name: VAHALLA Well No: 1-25MH Well will be 208 feet from nearest unit or lease boundary.  
Operator Name: CRAWLEY PETROLEUM CORPORATION Telephone: 4052329700 OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION  
105 N HUDSON AVE STE 800  
OKLAHOMA CITY, OK 73102-4803

SUSAN ADAMS & THOMAS ADAMS  
62695 N 2460 RD  
CANTON OK 73724-

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	9950	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 684681

Location Exception Orders: 687713

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14300

Ground Elevation: 1688

**Surface Casing: 220**

Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 20000 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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: MARLOW

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

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

PERMIT NO: 19-36565

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: MARLOW

HORIZONTAL HOLE 1

Sec 25 Twp 19N Rge 14W County DEWEY

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 8975

Radius of Turn: 500

Direction: 182

Total Length: 4540

Measured Total Depth: 14300

True Vertical Depth: 9950

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

Notes:

Category

Description

HYDRAULIC FRACTURING

5/3/2019 - 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)

INTERMEDIATE CASING

5/7/2019 - GB7 - 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

LOCATION EXCEPTION – 687713

5/10/2019 - GB7 - (I.O.) 25-19N-14W  
X684681 MSSLM, OTHER  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FEL  
CRAWLEY PETRO. CORP.  
12/5/2018

MEMO

5/3/2019 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

043 23701 VAHALLA 1-25MH

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

SPACING – 684681

Description

5/10/2019 - GB7 - (640) 25-19N-14W  
EXT 662307 MSSLM, OTHER

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.

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

208'FNL-405'FEL

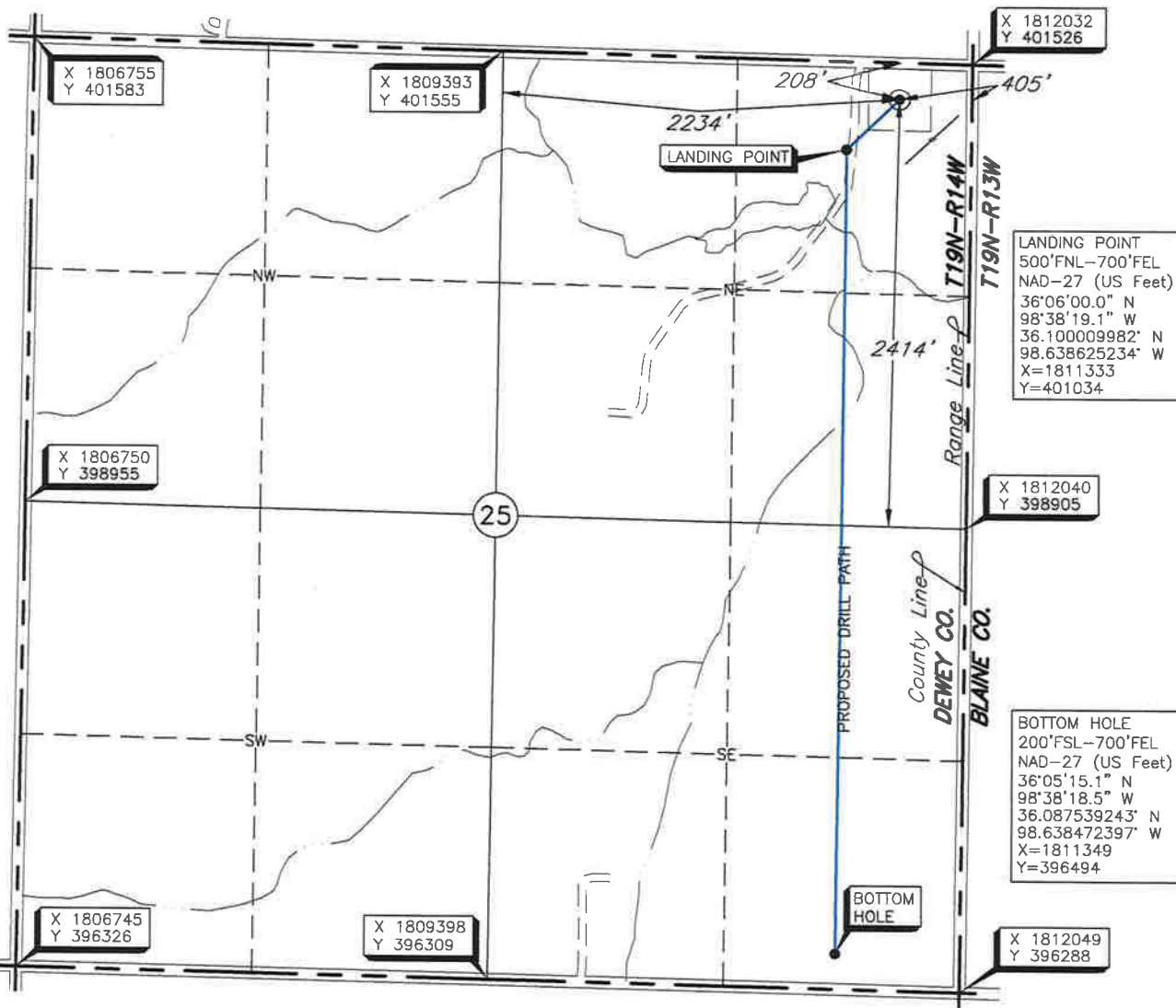
Section

25

Township

19N

14W I.M.



LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION  
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY

Operator: CRAWLEY PETROLEUM CORP.

Lease Name: VAHALLA

Well No.: 1-25MH**ELEVATION:**

1688' 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 NORTH OFF COUNTY ROAD

### Distance & Direction

from Hwy Jct or Town. FROM CANTON, OK- GO WEST ON ST HWY 57 ±3.6 MILES, THEN GO NORTH ±3 MILES, THEN GO EAST ±1 MILES TO THE NE CORNER OF SECTION 25-T19N-R14W

Date of Drawing: May 15, 2019 SS/LC

Project # 126617 Date Staked: Nov. 27, 2018

This information was gathered with a GPS receiver with  $\pm 1$  foot Horiz./Vert. accuracy

DATUM: NAD-27  
LAT: 36°06'02.9" N  
LONG: 98°38'15.5" W  
LAT: 36.100808591° N  
LONG: 98.637636263° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1811627  
Y: 401322

**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

Oklahoma Lic. No. 1433

