

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

API NUMBER: 043 23655

Approval Date: 09/04/2018

Expiration Date: 03/04/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 19N Rge: 14W

County: DEWEY

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 258 425

Lease Name: HEWITT

Well No: 1-33MH

Well will be 258 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

IMOGENE HEWITT, C/O JANA SMITH AIF
24282 EAST 1037 RD.
WEATHERFORD OK 73096

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

| Name | Depth | Name | Depth |
|--------------------------------|-------|------|-------|
| 1 MISSISSIPPIAN (LESS CHESTER) | 10000 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 682104

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802158

Special Orders:

Total Depth: 14500

Ground Elevation: 1742

Surface Casing: 260

Depth to base of Treatable Water-Bearing FM: 210

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 18-35196

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 33 Twp 19N Rge 14W County DEWEY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 425

Depth of Deviation: 9147

Radius of Turn: 382

Direction: 180

Total Length: 4753

Measured Total Depth: 14500

True Vertical Depth: 10000

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/17/2018 - 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

8/17/2018 - 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

8/17/2018 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201802158

9/4/2018 - G75 - (I.O.) 33-19N-14W
X682104 MSNLC
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
NO OP. NAMED
REC 7-25-2018 (FOREMAN)

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

043 23655 HEWITT 1-33MH

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 - 682104

Description

9/4/2018 - G75 - (640)(HOR) 33-19N-14W
EXT 671218 MSNLC, OTHER
POE TO BHL NCT 660' FB

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.

DEWEY

County, Oklahoma

258' FSL - 425' FEL Section 28 Township 19N Range 14W I.M.



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

Operator: CRAWLEY PETROLEUM CORP.
Lease Name: HEWITT

Topography & Vegetation Location fell on level pod $\pm 201'$ north of E-W pipeline.

Good Drill Site? Yes

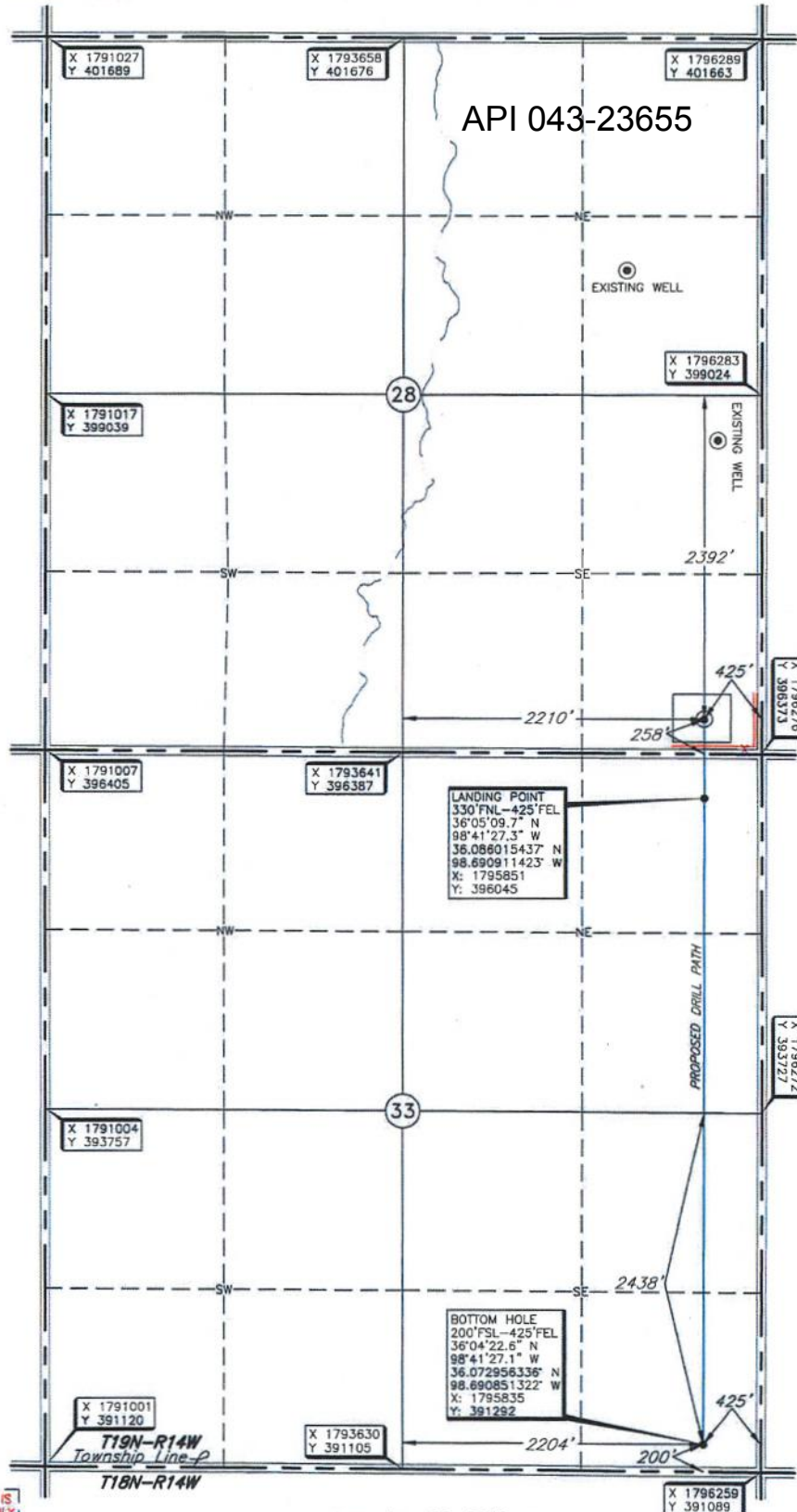
Best Accessibility to Location From county road south of well location.

Reference Stakes or Alternate Location
Stakes Set None

Distance & Direction from Hwy Jct or Town From the Jct. of U.S. Hwy. 270 & St. Hwy. 51, NW of Okarche, OK., go east on St. Hwy. 51 for ± 7.2 miles, then north ± 2.0 miles to the Southeast Corner of Section 28, T19N-R14W.

Well No.: 1-33MH

ELEVATION:
1742' Gr. at level pod



THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27
LAT: 36°05'15.5" N
LONG: 98°41'27.3" W
LAT: 36.087630624° N
LONG: 98.690922118° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1795852
Y: 396633

Invoice # 296941 Date of Drawing: June 22, 2018
Date Staked: June 21, 2018 JGW

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

