

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

API NUMBER: 073 25625

Approval Date: 04/25/2017
Expiration Date: 10/25/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 18N Rge: 8W County: KINGFISHER
SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 225 1600

Lease Name: GLAESLINE Well No: 1-22MH Well will be 225 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

C. DUFFY REV TRUST & B. DUFFY REV TRUST
8842 E 700 RD.
DOVER OK 73734

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

| Name | Depth | Name | Depth |
|--------------------|-------|------|-------|
| 1 MISSISSIPPI LIME | 7740 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 660873

Location Exception Orders: 661806

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12700

Ground Elevation: 1087

Surface Casing: 280

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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: BISON

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32458

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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 22 Twp 18N Rge 8W County KINGFISHER

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 1000

Depth of Deviation: 7155

Radius of Turn: 703

Direction: 2

Total Length: 4440

Measured Total Depth: 12700

True Vertical Depth: 7875

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/18/2017 - 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 - 661806

4/25/2017 - G60 - (I.O.) 22-18N-8W
X660873 MSSLM
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
CRAWLEY PETROLEUM CORPORATION
3/9/17

SPACING - 660873

4/25/2017 - G60 - (640)(HOR) 22-18N-8W
EXT 632638 MSSLM
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 81983 MSSLM N2 SW4; SP. ORDER 84444 MSSLM SE4)

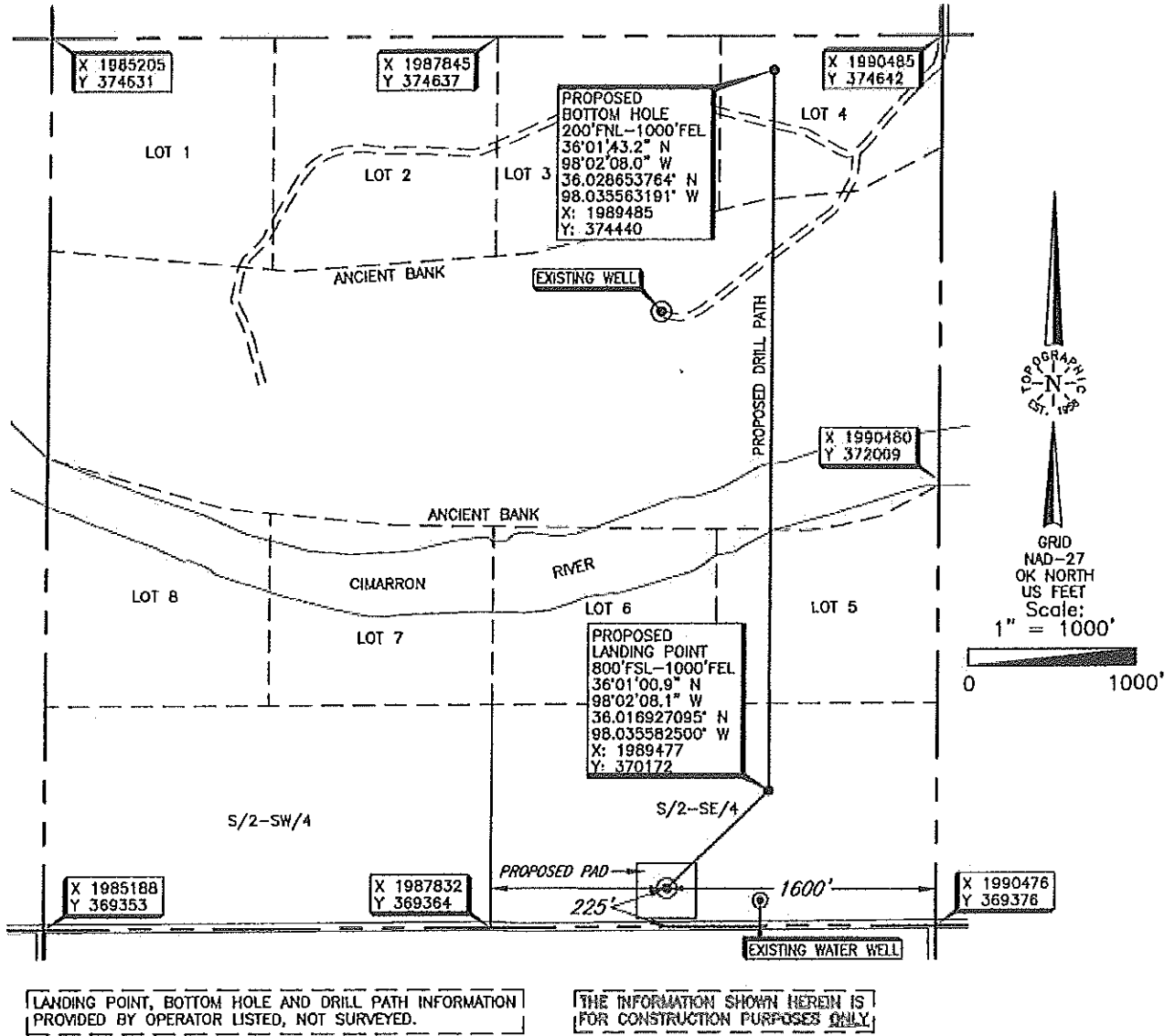
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

KINGFISHER

County, Oklahoma

225'FSL - 1600'FEL Section 22 Township 18N Range 8W I.M.



Operator: CRAWLEY PETROLEUM CORP.
 Lease Name: GLAESLINE

ELEVATION:
 1087' Gr. of Stake

Topography & Vegetation Location fell in grassy hilltop

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 Fram Dover, Oklahoma, go ± 3 miles West, ± 0.5 mile South, ± 4 miles West, then ± 3 miles North to the Southeast Corner of Section 22, T18N - R8W.

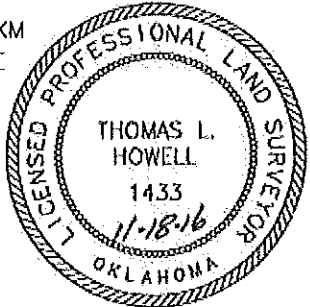
DATUM: NAD-27
 LAT: 36°00'55.2"N
 LONG: 98°02'15.4"W
 LAT: 36.015339378"N
 LONG: 98.037613745"W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 1988876
 Y: 369594

Date of Drawing: November 17, 2016
 Invoice # 268165 Date Staked: November 14, 2016 RKM

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 Reg. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy