

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

API NUMBER: 073 26627

Approval Date: 10/04/2019

Expiration Date: 04/04/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 15N Rge: 7W County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 225 1075

Lease Name: PETTY FIU 1507 Well No: 2H-6XA Well will be 225 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 2812105100; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

VIRGINIA A. PETTY
11798 E. 850 ROAD
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8411	6	
2 WOODFORD	8944	7	
3		8	
4		9	
5		10	

Spacing Orders: 643447
690854

Location Exception Orders: 690855
690865

Increased Density Orders: 689326
689327

Pending CD Numbers:

Special Orders:

Total Depth: 18966

Ground Elevation: 1118

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 320

Deep surface casing has been approved

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36236

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

H. SEE MEMO

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

The duration of this permit is 18 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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 06 Twp 15N Rge 7W County KINGFISHER

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1002

Depth of Deviation: 8079

Radius of Turn: 413

Direction: 355

Total Length: 10238

Measured Total Depth: 18966

True Vertical Depth: 8944

End Point Location from Lease,
Unit, or Property Line: 85

Notes:

Category

Description

DEEP SURFACE CASING

9/19/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/19/2019 - 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; 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

INCREASED DENSITY - 689326

10/3/2019 - GB6 - 6-15N-7W
X643447 MSSP
6 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
01/07/2019

INCREASED DENSITY - 689327

10/3/2019 - GB6 - 7-15N-7W
X643447 MSSP
6 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
01/07/2019

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

The duration of this permit is 18 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.

073 26627 PETTY FIU 1507 2H-6XA

LOCATION EXCEPTION - 690855	10/4/2019 - GB6 - (I.O.) 6 & 7 -15N-7W X643447 MSSP, WDFD COMPL. INT. (7-15N-7W) NCT 0' FNL, NCT 165' FSL, NCT 660' FWL COMPL. INT. (6-15N-7W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 02/04/2019
LOCATION EXCEPTION - 690865	10/3/2019 - GB6 - (I.O.) 6 & 7 -15N-7W X165:10-3-28(C)(2)(B) MSSP (PETTY FIU 1507 2H-6X)** MAY BE CLOSER THAN 600' TO THE EXISTING PETTY 1H-6X AND/OR PROPOSED PETTY FIU 1507 3H-6X AND 4H-6X AND/OR PROPOSED PETTY FED 1507 5H-6X, 6H-6X, AND 7H-6X.*** NO OP. NAMED 12/09/2019 **S/B PETTY FIU 1507 2H-6XA. WILL BE CORRECTED AT FINAL HEARING PER OPERATOR. ***ALL WELL NUMBERS S/B ()-6XA. WILL BE CORRECTED AT FINAL HEARING PER OPERATOR.
MEMO	9/19/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM & WBM CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 643447	10/3/2019 - GB6 - (640)(HOR) 6 & 7 -15N-7W VAC 37910 FOR MCSTR VAC 248318 FOR MSSLM IN 6-15N-7W VAC 256082 FOR MSSLM IN 7-15N-7W EST MSSP, WDFD COMPL. INT. (MSSP) NCT 660 FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL
SPACING - 690854	10/4/2019 - GB6 - (I.O.) 6 & 7 -15N-7W EST MULTIUNIT HORIZONTAL WELL X643447 MSSP,WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 6-15N-7W 50% 7-15N-7W NEWFIELD EXPLORATION MID-CONTINENT INC. 02/04/2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

35-073-26627

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

KINGFISHER

County, Oklahoma

225'FSL-1075'FWL Section 7 Township 15N Range 7W I.M.

NAD-27
X 2006964.92
Y 295870.97
NAD-83
X 1975366.44
Y 295894.77



GRID
OK NORTH
US Feet

0' 500' 1000'

NOTES:

- The information shown herein is for construction purposes ONLY.
- All bearings shown are Grid, NAD-27, Oklahoma North.
- Landing Point, Last Take Point, Bottom Hole, and Drill Path information provided by client listed, not surveyed.

SURFACE LOCATION

DATUM: NAD-27
LAT: 35°47'03.1"N
LONG: 97°59'27.1"W
LAT: 35.784207°N
LONG: 97.990852°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2002714
Y: 285458

DATUM: NAD-83
LAT: 35°47'03.3"N
LONG: 97°59'28.3"W
LAT: 35.784254°N
LONG: 97.991182°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1971116
Y: 285482

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

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



NAD-27
X 2001639.17
Y 285209.01
NAD-83
X 1970040.83
Y 285232.77

Operator: NEWFIELD EXPLORATION MID-CON INC

Lease Name: PETTY FIU 1507

Topography & Vegetation Loc. fell in rolling pasture.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county road.

Distance & Direction

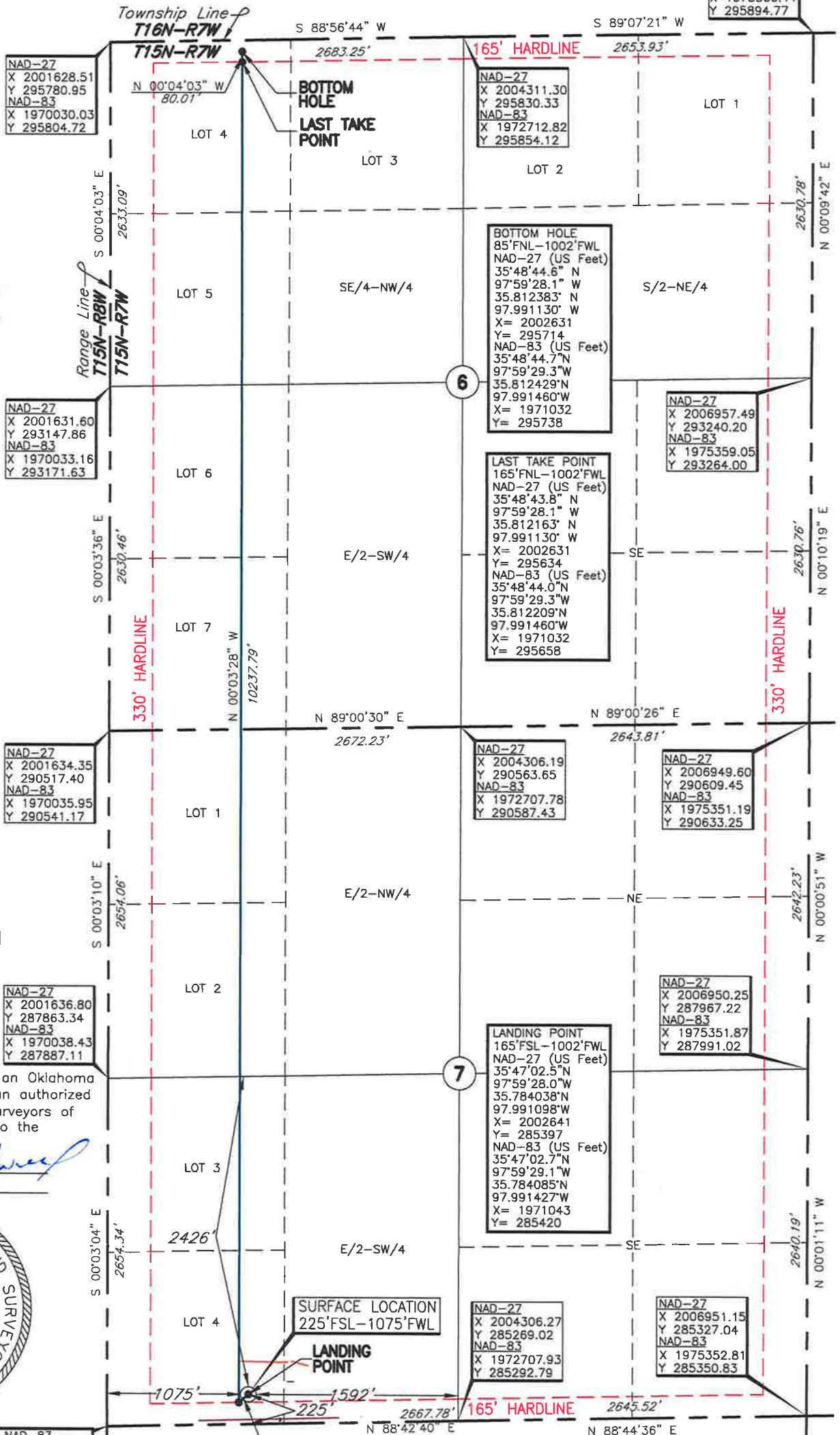
from Hwy Jct or Town From Kingfisher, Okla., go ±5.5 miles South on US. Hwy. 81, then ±2.5 miles West on county road to the SW Cor. of Sec. 7-T15N-R7W

Revision ☒ A Date of Drawing: Sept. 17, 2019
Project # 129071 Date Staked: Sept. 03, 2019 LC

Well No.: 2H-6XA

ELEVATION:

1118' Gr. at Stake (NGVD29)
1119' Gr. at Stake (NAVD88)



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

KINGFISHER

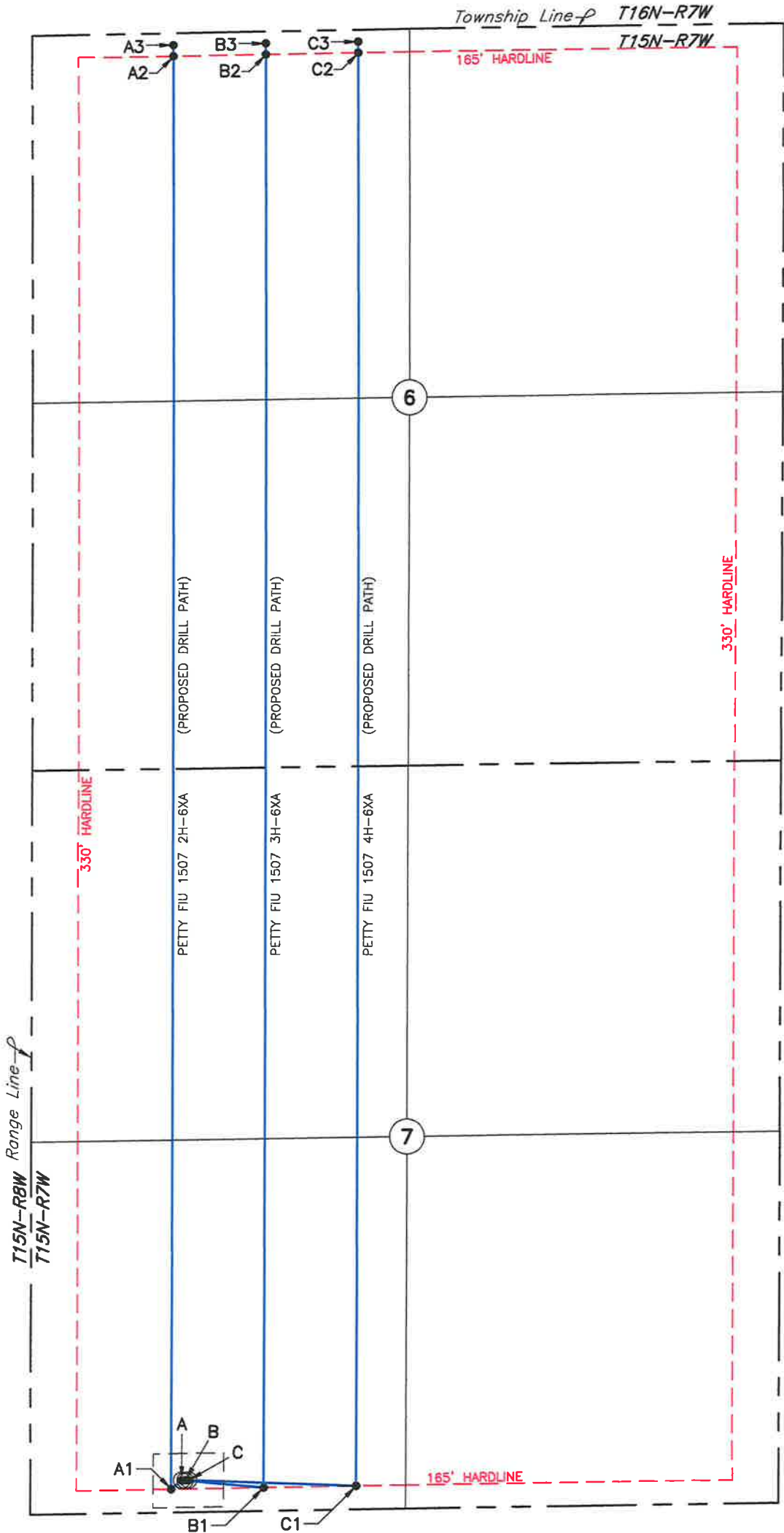
County, Oklahoma

Section 7 Township 15N Range 7W I.M.

(A) PETTY FIU 1507 2H-6XA
225'FSL-1075'FWL
(A1) LANDING POINT
165'FSL-1002'FWL
(A2) LAST TAKE POINT
165'FNL-1002'FWL
(A3) BOTTOM HOLE
85'FNL-1002'FWL

(B) PETTY FIU 1507 3H-6XA
225'FSL-1100'FWL
(B1) LANDING POINT
165'FSL-1659'FWL
(B2) LAST TAKE POINT
165'FNL-1659'FWL
(B3) BOTTOM HOLE
85'FNL-1659'FWL

(C) PETTY FIU 1507 4H-6XA
225'FSL-1125'FWL
(C1) LANDING POINT
165'FSL-2316'FWL
(C2) LAST TAKE POINT
165'FNL-2316'FWL
(C3) BOTTOM HOLE
85'FNL-2316'FWL



EXHIBITION PLAT

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

Project # 129071 Date of Drawing: Sep. 16, 2019

AC

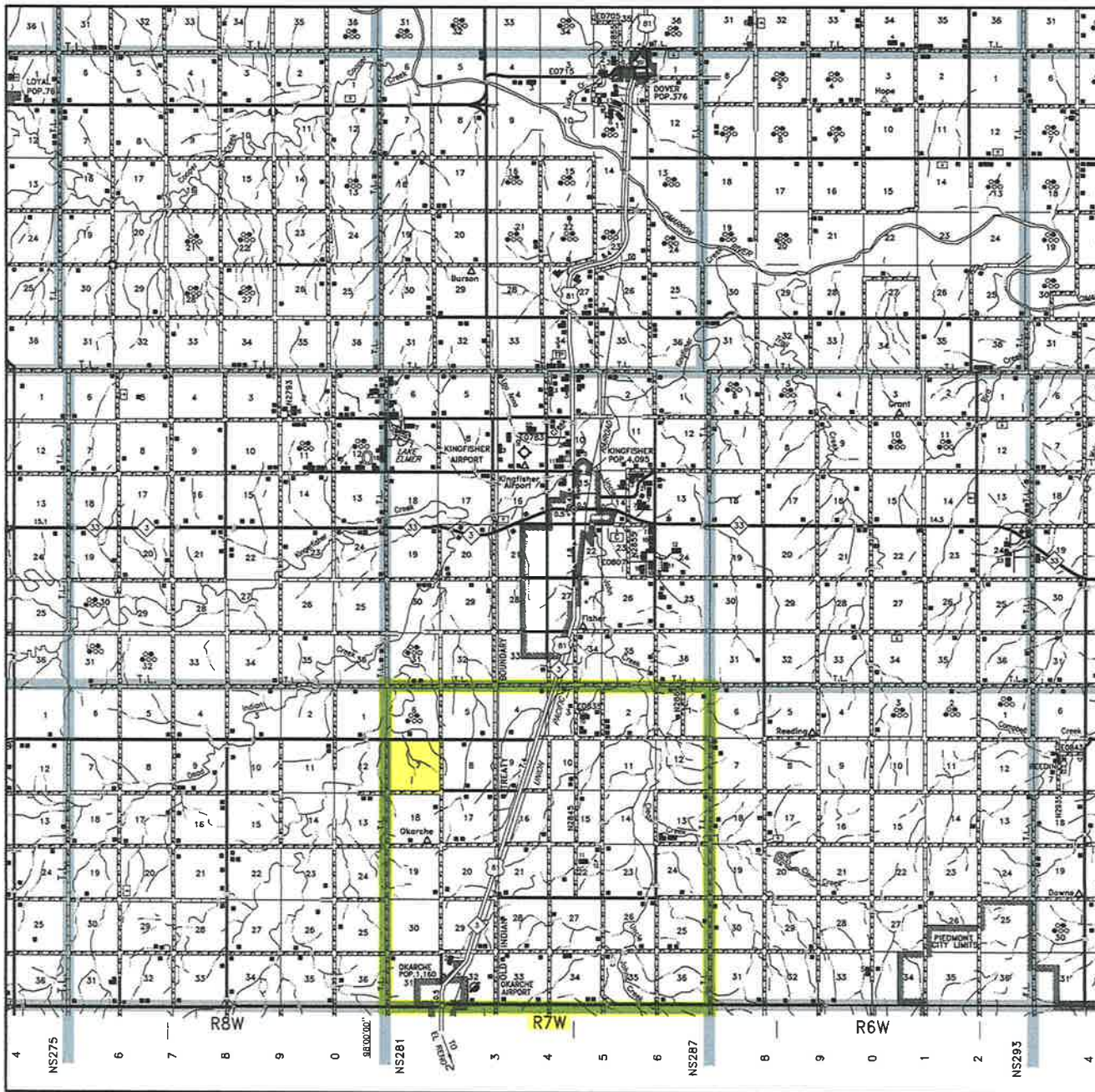
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

VICINITY MAP



NOTES:

- The information shown herein is for construction purposes ONLY.

Scale: 1" = 3 Miles

Sec. 7 Twp. 15N Rng. 7W IM

County KINGFISHER State OK

Operator NEWFIELD EXPLORATION MID-CON INC



LAND SURVEYORS OF OKLAHOMA