

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

API NUMBER: 073 26076

Approval Date: 05/25/2018

Expiration Date: 11/25/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 15N Rge: 6W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 240 2400

Lease Name: VICKIE

Well No: 1506 2H-8

Well will be 240 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 2816742521; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
24 WATERWAY AVE STE 900
THE WOODLANDS, TX 77380-2764

ROBERT J. & PATRICIA L. REHERMAN
P.O. BOX 331
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7460	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 645411
647458

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803287
201803286

Special Orders:

Total Depth: 13100

Ground Elevation: 1171

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 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

H. SEE MEMO

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

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: 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 08 Twp 15N Rge 6W County KINGFISHER

Spot Location of End Point: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1900

Depth of Deviation: 6824

Radius of Turn: 573

Direction: 185

Total Length: 5375

Measured Total Depth: 13100

True Vertical Depth: 7808

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

Additional Surface Owner	Address	City, State, Zip
MARY ANN REHERMAN	17725 GRIFFIN GATE DRIVE	EDMOND, OK 73012

Notes:

Category

Description

DEEP SURFACE CASING

5/16/2018 - 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

5/16/2018 - 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: OCCWEB.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

MEMO

5/16/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR

PENDING CD - 201803286

5/16/2018 - G57 - (E.O.) 8-15N-6W
X645411/647458 MSNLC
2 WELLS
NO OP. NAMED
REC 5-22-2018 (MINMIER)

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

073 26076 VICKIE 1506 2H-8

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	Description
PENDING CD - 201803287	5/16/2018 - G57 - (E.O.) 8-15N-6W X645411/647458 MSNLC COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FWL & FEL NO OP. NAMED REC 5-22-2018 (MINMIER)
SPACING - 645411	5/16/2018 - G57 - (640)(HOR) 8-15N-6W VAC OTHER VAC 56433 MSSLM NW4, W2 NE4, SE4, E2 SW4 EXT 639566 MSNLC, OTHER POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER 56433 E2 NE4, W2 SW4)
SPACING - 647458	5/16/2018 - G57 - CONFIRMED SPACING ORDER 645411

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.

KINGFISHER

County, Oklahoma

240FSL-2400FWL Section 5 Township 15N Range 6W I.M.

Township Line ϕ **PERMIT PLAT**

T16N-R6W S 89°55'25" E

S 89°55'20" E

NAD-27
X 2038728.52
Y 295967.33
NAD-83
X 2007130.05
Y 295991.31

NAD-27
X 2041367.17
Y 295963.80
NAD-83
X 2009768.69
Y 295987.81

NAD-27
X 2044005.89
Y 295960.22
NAD-83
X 2012407.42
Y 295984.24

NOTES:

- The information shown herein is for construction purposes ONLY.
- Section 5 is not within a flood zone.
- This is a proposed pad with (2) proposed wells.
- 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°47'57.1"N
LONG: 97°51'40.7"W
LAT: 35.799188°N
LONG: 97.861314°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2041129
Y: 290941

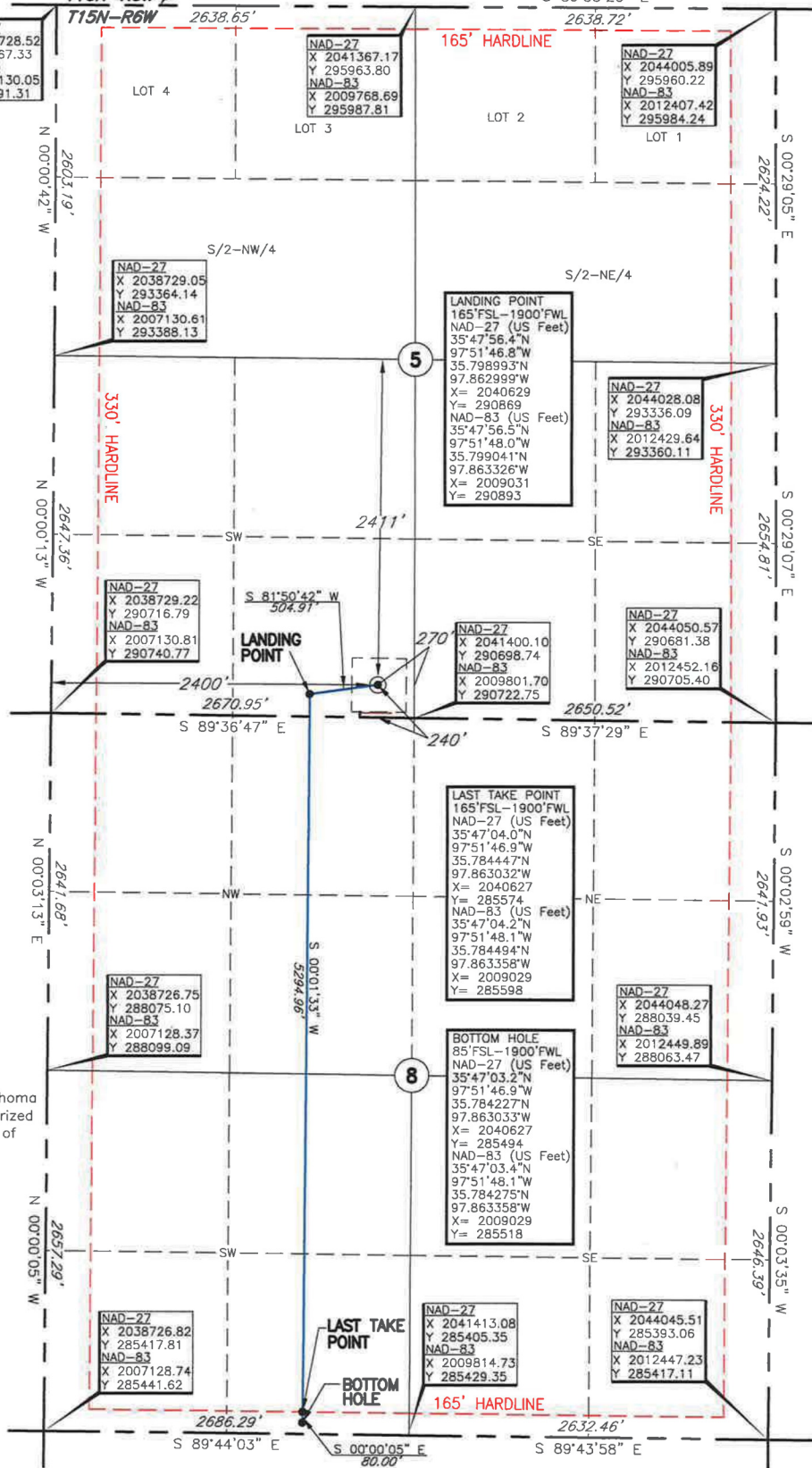
DATUM: NAD-83
LAT: 35°47'57.2"N
LONG: 97°51'41.9"W
LAT: 35.799235°N
LONG: 97.861640°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2009531
Y: 290965

(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

Thomas L. Howell
Oklahoma Lic. No. 1433



Date of Drawing: May 2, 2018

Operator: NEWFIELD EXPLORATION MID-CONTINENT, INC.

Invoice # 291989 Date Staked: Apr. 20, 2018 TR

Lease Name: VICKIE 1506

Well No.: 2H-8

Topography & Vegetation Loc. fell in level wheat field.

ELEVATION:

1171' Gr. at Stake (NGVD29)

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 US Hwy. 81 and St. Hwy. 33 in Kingfisher, OK, go

East ±3.5 miles on St. Hwy. 33, then ±4.0 miles South to the SW Cor. of Sec. 5-T15N-R6W.