

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

API NUMBER: 073 26522 A

Approval Date: 03/26/2019
Expiration Date: 09/26/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE SHL AND BHL. UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 16N Rge: 8W County: KINGFISHER
SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 240 775

Lease Name: YOST Well No: 1608 6H-18X Well will be 240 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

MICHAEL AND DIANE YOST
7739 SATE HIGHWAY 33
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	WOODFORD	9288	6	
2	MISSISSIPPIAN	9320	7	
3			8	
4			9	
5			10	

Spacing Orders: 614033 Location Exception Orders: 686483 Increased Density Orders:
687817 687820
705017 705020
705023

Pending CD Numbers: 201905770
201905771

Special Orders:

Total Depth: 19920 Ground Elevation: 1110 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 160

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37101
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: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 18 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 1496

Depth of Deviation: 8585

Radius of Turn: 715

Direction: 350

Total Length: 10212

Measured Total Depth: 19920

True Vertical Depth: 9320

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

Notes:

Category

Description

DEEP SURFACE CASING

11/25/2019 - 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

EXCEPTION TO RULE - 686483 (201807734)

3/25/2019 - G58 - (I.O.) 18 & 19-16N-8W
X165:10-3-28(C)(2)(B) MSSP (YOST 1608 6H-18X)
MAY BE CLOSER THAN 600' TO THE YOST 1608 1H-18X
MAY BE CLOSER THAN 600' TO PROPOSED WELLS
11/9/2018

EXCEPTION TO RULE - 705023 (201807734)

12/10/2019 - GB6 - EXTENSION OF ORDER # 686483 UNTIL 11/09/2020

HYDRAULIC FRACTURING

11/25/2019 - 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: 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

INTERMEDIATE CASING

11/25/2019 - 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

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 26522 YOST 1608 6H-18X

LOCATION EXCEPTION - 687820 (201807731)	12/10/2019 - GB6 - (I.O.) 18 & 19-16N-8W X614033 MSSP, WDFD COMPL. INT. 19-16N-8W NCT 0' FNL, NCT 165' FSL, NCT 660' FEL COMPL. INT. 18-16N-8W NCT 0' FSL, NCT 165' FNL, NCT 660' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 12/6/2018
LOCATION EXCEPTION - 705020 (201807731)	12/10/2019 - GB6 - EXTENSION OF ORDER # 687820 UNTIL 12/06/2020
MEMO	11/25/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
PENDING CD - 201905770	12/12/2019 - GB6 - 18-16N-8W X614033 MSSP 7 WELLS NO OP. NAMED FILED 12/11/2019
PENDING CD - 201905771	12/12/2019 - GB6 - 19-16N-8W X614033 MSSP 7 WELLS NO OP. NAMED FILED 12/11/2019
SPACING - 614033	3/25/2019 - G58 - (640)(HOR) 18 & 19-16N-8W VAC 42491 MCSTR VAC 83896 MISS, MNNG VAC 131715 MSSNC, MNNG (SEC 18) VAC 195139 MSSNC, MNNG, WDFD (SEC 18) EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165 FNL/FSL, NCT 330' FEL/FWL (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERSEDE NON- DEVELOPED NON-HORIZONTAL SPACING UNITS)
SPACING - 687817 (201807728)	12/10/2019 - GB6 - (I.O.) 18 & 19-16N-8W EST MULTIUNIT HORIZONTAL WELL X614033 MSSP, WDFD (WDFD IS ADJACENT CSS TO MSSP) 50% 18-16N-8W 50% 19-16N-8W NEWFIELD EXPLORATION MID-CONTINENT INC. 12/6/2018
SPACING - 705017 (201807728)	12/10/2019 - GB6 - EXTENSION OF ORDER # 687817 UNTIL 12/06/2020

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

073-26522 A

KINGFISHER

COUNTY, OKLAHOMA

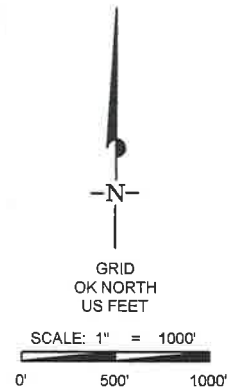
240' FSL - 775' FEL

SECTION 19

TOWNSHIP 16N

RANGE 8W

I.M.



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°50'31.0" N
LONG: 98°05'09.7" W
LAT: 35.841951° N
LONG: 98.086034° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 1974500
Y: Y 306488

DATUM: NAD-83
LAT: 35°50'31.2" N
LONG: 98°05'10.9" W
LAT: 35.841996° N
LONG: 98.086369° W

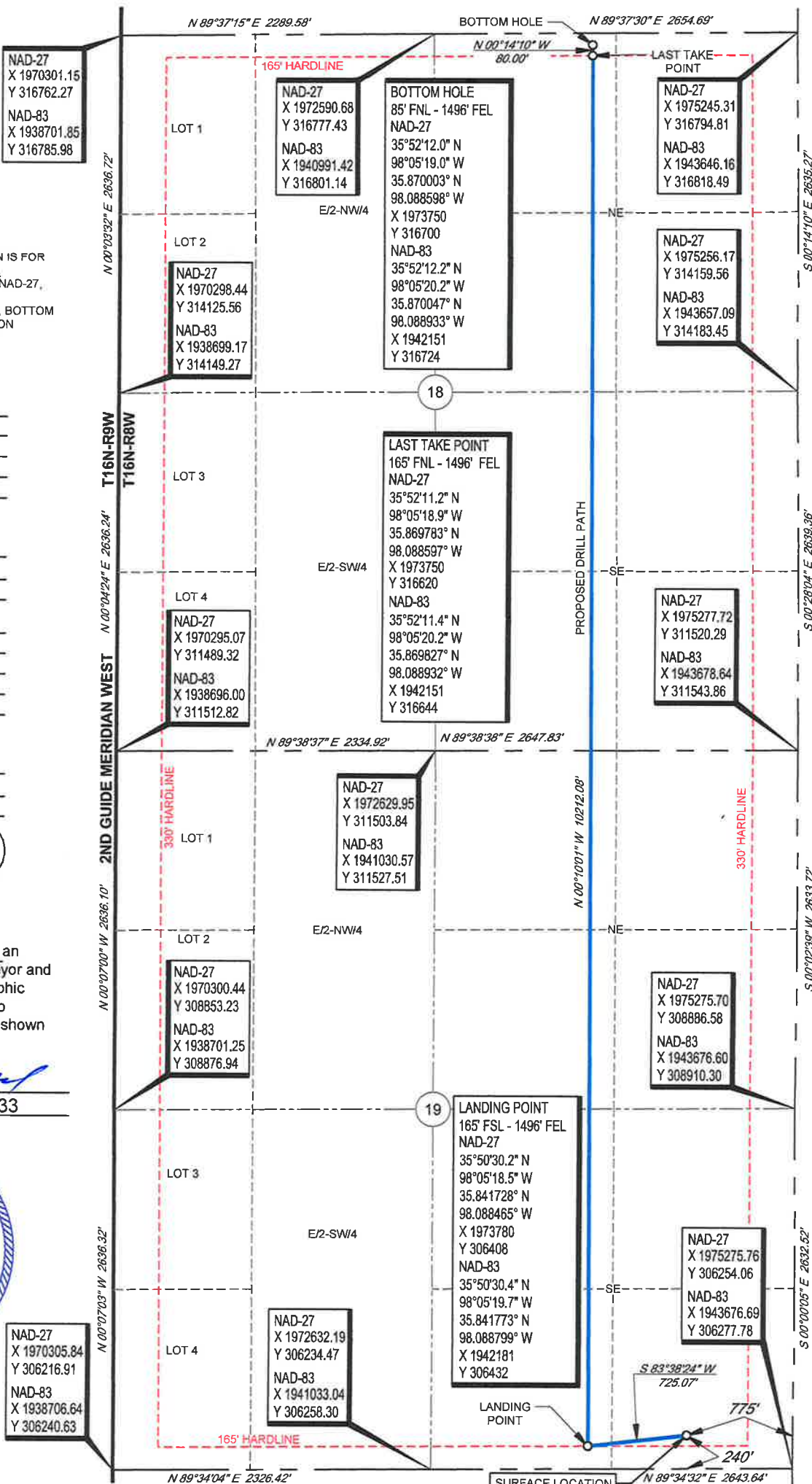
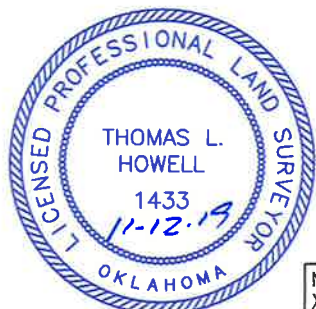
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 1942901
Y: Y 306512

(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 Reg. No. 1433



OPERATOR: NEWFIELD EXPLORATION MID-CON INC

LEASE NAME: WELL NO: YOST 1608

WELL NO: 6H-18X

TOPOGRAPHY & VEGETATION LOCATION FELL IN SLOPED WHEAT FIELD

GOOD DRILL SITE? Yes

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET: None

BEST ACCESSIBILITY TO LOCATION: From South off County Road

DISTANCE & DIRECTION: From Kingfisher OK, go West on St. Hwy. 33 ±8.5 miles, then South ±1 mile to the Southeast Corner of Section 19-T16N-R8W

ELEVATION:

1110' Gr. at Stake (NGVD29)

1110' Gr. at Stake (NAVD88)

PROJECT # 128209

DATE OF DRAWING: NOVEMBER 11, 2019

DATE STAKED: OCTOBER 10, 2019

DRAWN BY: EAH

REVISION: 0

FILE NAME: LO YOST 1608 6H-18X