

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

API NUMBER: 073 26519 B

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

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE BHL. UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 16N Rge: 8W County: KINGFISHER
SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 2053

Lease Name: YOST Well No: 1608 4H-18X Well will be 250 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

SHERRY AND CHARLES WROBBEL
905 PARK LANE
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9243	6	
2 WOODFORD	9329	7	
3		8	
4		9	
5		10	

Spacing Orders: 614033 Location Exception Orders: 687814 Increased Density Orders:
687813 686483
704637 704638
705023

Pending CD Numbers: 201905770
201905771

Special Orders:

Total Depth: 19408 Ground Elevation: 1178 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 360

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37100

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 19 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 2164

Depth of Deviation: 8480

Radius of Turn: 455

Direction: 170

Total Length: 10213

Measured Total Depth: 19408

True Vertical Depth: 9329

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

Additional Surface Owner	Address	City, State, Zip
DOROTHY DIANE MUSICK	7689 E 790 ROAD P.O BOX 777	KINGFISHER, OK 73750

Notes:

Category

Description

DEEP SURFACE CASING

3/1/2019 - 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 4H-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

3/1/2019 - 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

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

073 26519 YOST 1608 4H-18X

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.

INTERMEDIATE CASING	3/1/2019 - 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
LOCATION EXCEPTION - 687814 (201807725)	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 1980' FWL COMPL. INT. 18-16N-8W NCT 0' FSL, NCT 165' FNL, NCT 1980' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 12/6/2018
LOCATION EXCEPTION - 704638 (201807725)	12/10/2019 - GB6 - EXTENSION OF ORDER # 687814 UNTIL 12/06/2020
MEMO	3/1/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS (REQUIRED - KINGFISHER CREEK), WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM CUTTINGS WILL BE SOIL FARMED, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
PENDING CD - 201905770	12/12/2019 - GB6 - (I.O.) 18-16N-8W X614033 MSSP 7 WELLS NO OP. NAMED REC 12/30/2019 (MOORE)
PENDING CD - 201905771	12/12/2019 - GB6 - (I.O.) 19-16N-8W X614033 MSSP 7 WELLS NO OP. NAMED REC 12/30/2019 (MOORE)
PITS - REVISED	11/25/2019 - VNDVSR4 - WBM WILL BE CAPTURED IN STEEL HALF PITS AND TRANSFERRED OFF LOCATION TO BE SOIL FARMED UNDER PERMIT #19-37100. OBM AND DRILL CUTTINGS WILL BE CAPTURED IN STEEL HALF PITS AND TRANSFERRED TO R360 COMMERCIAL DISPOSAL UNDER OCC ORDER #587489.
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 - 687813 (201807724)	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. 12/06/2018
SPACING - 704637 (201807724)	12/10/2019 - GB6 - EXTENSION OF ORDER # 687813 UNTIL 12/06/2020

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

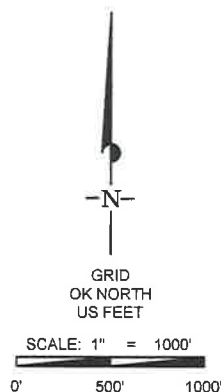
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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KINGFISHER

COUNTY, OKLAHOMA

250' FSL - 2053' FWL SECTION 7 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°52'15.2" N
LONG: 98°05'35.9" W
LAT: 35.870894° N
LONG: 98.093308° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 1972355
Y: Y 317026

DATUM: NAD-83
LAT: 35°52'15.4" N
LONG: 98°05'37.1" W
LAT: 35.870938° N
LONG: 98.093643° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 1940755
Y: Y 317050

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

CERTIFICATE:

I, T. Wayne Fisch an
Oklahoma Licensed Land Surveyor and
an authorized agent of Topographic
Land Surveyors of Oklahoma, do
hereby certify to the information shown
herein.

Oklahoma Reg. No. 1378



NAD-27
X 1970305.84
Y 306216.91
NAD-83
X 1938706.64
Y 306240.63

LOT 4

NAD-27
X 1972632.19
Y 306234.47
NAD-83
X 1941033.04
Y 306258.30

BOTTOM HOLE
85' FSL - 2164' FEL
NAD-27
35°50'29.4" N
98°05'26.6" W
35.841495° N
98.090717° W
X 1973112
Y 306323
NAD-83
35°50'29.5" N
98°05'27.8" W
35.841538° N
98.091053° W
X 1941513
Y 306347

LAST TAKE POINT
S 00°00'05" E
80.00'
BOTTOM HOLE

NAD-27
X 1975275.76
Y 306254.06
NAD-83
X 1943676.69
Y 306277.78

OPERATOR: NEWFIELD EXPLORATION MID-CON INC

LEASE NAME: WELL NO: YOST 1608 WELL NO: 4H-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 ±9.5 miles, then North ±1 mile to the Southwest Corner of Section 7-T16N-R8W.

ELEVATION:

1178' Gr. at Stake (NGVD29)
1178' Gr. at Stake (NAVD88)

PROJECT # 130543

DATE OF DRAWING: NOVEMBER 13, 2019

DATE STAKED: OCTOBER 10, 2019

DRAWN BY: EAH

REVISION: 2

FILE NAME: LO YOST 1608 4H-18X REV2