

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

API NUMBER: 073 26484

Approval Date: 03/14/2019
Expiration Date: 09/14/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 15N Rge: 8W County: KINGFISHER

SPOT LOCATION: NE NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 240 230

Lease Name: FRANKLIN FIU 1508 Well No: 4H-1X Well will be 230 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 SQUARE PL STE 100
THE WOODLANDS, TX 77380-2764

PAUL E. ELLIS
2309 EL CAMINO ST.
PONCA CITY OK 74604

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8307	6	
2 WOODFORD	8836	7	
3		8	
4		9	
5		10	

Spacing Orders: 641015 Location Exception Orders: 688766 Increased Density Orders: 686959
688765 688771 686960

Pending CD Numbers:

Special Orders:

Total Depth: 18868 Ground Elevation: 1090 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 290

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: CEDAR HILLS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36227

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 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: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 12 Twp 15N Rge 8W County KINGFISHER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 2610

Depth of Deviation: 7790

Radius of Turn: 477

Direction: 200

Total Length: 10329

Measured Total Depth: 18868

True Vertical Depth: 8836

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

Notes:

Category

Description

DEEP SURFACE CASING

2/6/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 688771

3/14/2019 - G75 - (I.O.) 1 & 12-15N-8W
X165:10-3-28(C)(2)(B) MSNLC (FRANKLIN 1508 4H-1X) **
MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL
NEWFIELD EXLOR. MID-CONT. INC.
12-21-2018

** S/B FRANKLIN FIU 1508 4H-1X; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR

HYDRAULIC FRACTURING

2/6/2019 - 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

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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 26484 FRANKLIN FIU 1508 4H-1X

Category	Description
INCREASED DENSITY - 686959	3/14/2019 - G75 - 1-15N-8W X641015 MSNLC 6 WELLS NEWFIELD EXLOR. MID-CONT. INC. 11-20-2018
INCREASED DENSITY - 686960	3/14/2019 - G75 - 12-15N-8W X641015 MSNLC 6 WELLS NEWFIELD EXLOR. MID-CONT. INC. 11-20-2018
INTERMEDIATE CASING	2/6/2019 - 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 - 688766	3/14/2019 - G75 - (I.O.) 1 & 12-15N-8W X641015 MSNLC, WDFD COMPL. INT. (1-15N-8W) NCT 165' FNL, NCT 0' FSL, NCT 1980' FEL COMPL. INT. (12-15N-8W) NCT 0' FNL, NCT 165' FSL, NCT 1980' FEL NEWFIELD EXLOR. MID-CONT. INC. 12-21-2018
MEMO	2/6/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS (REQUIRED - DEAD INDIAN CREEK); WBM, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS; WBM & CUTTINGS TO BE SOIL -FARMED; OBM CUTTINGS TO R360 (ORDER # 587498); PIT 2 - OBM TO VENDOR
SPACING - 641015	3/14/2019 - G75 - (640)(HOR) 1 & 12-15N-8W EST MSNLC EXT 637023 WDFD COMPL. INT. (MSNLC) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 246203 MSSLM, MSSSD 1-15N-8W & ORDER # 567318 MSSLM 12-15N-8W)
SPACING - 688765	3/14/2019 - G75 - (I.O.) 1 & 12-15N-8W EST MULTIUNIT HORIZONTAL WELL X641015 MSNLC, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC) 50% 1-15N-8W 50% 12-15N-8W NEWFIELD EXLOR. MID-CONT. INC. 12-21-2018

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

API 073-26484

Certificate of Authorization No. 1293 LS

KINGFISHER County, Oklahoma

240'FNL-230'FEL Section 1 Township 15N Range 8W I.M.

Township Line

T16N-R8W

S 89°52'48" W

PERMIT PLAT

S 89°52'51" W

NAD-27
X 2001628.34
Y 295780.89
NAD-83
X 1970029.86
Y 295804.66

NAD-27
X 1996354.25
Y 295769.89
NAD-83
X 1964755.70
Y 295793.64

NAD-27
X 1998991.29
Y 295775.41
NAD-83
X 1967392.60
Y 295799.12

NAD-27
X 1996346.20
Y 293120.78
NAD-83
X 1964747.69
Y 293144.53

LANDING POINT
165'FNL-2610'FEL
NAD-27 (US Feet)
35°48'43.6"N
98°00'11.9"W
35.812098"N
98.003312"W
X= 1999019
Y= 295610
NAD-83 (US Feet)
35°48'43.7"N
98°00'13.1"W
35.812144"N
98.003642"W
X= 1967420
Y= 295634

NAD-27
X 2001631.60
Y 293147.86
NAD-83
X 1970033.16
Y 293171.63

NAD-27
X 1996337.60
Y 290470.62
NAD-83
X 1964739.12
Y 290494.38

NAD-27
X 1998986.30
Y 290494.51
NAD-83
X 1967387.61
Y 290518.22

NAD-27
X 2001634.35
Y 290517.40
NAD-83
X 1970035.95
Y 290541.17

NAD-27
X 1996330.88
Y 287827.35
NAD-83
X 1964732.19
Y 287851.06

LAST TAKE POINT
165'FSL-2610'FEL
NAD-27 (US Feet)
35°47'02.2"N
98°00'11.8"W
35.783942"N
98.003275"W
X= 1999029
Y= 285362
NAD-83 (US Feet)
35°47'02.4"N
98°00'13.0"W
35.783989"N
98.003605"W
X= 1967431
Y= 285385

NAD-27
X 2001636.80
Y 287863.34
NAD-83
X 1970038.43
Y 287887.10

BOTTOM HOLE
85'FSL-2610'FEL
NAD-27 (US Feet)
35°47'01.4"N
98°00'11.8"W
35.783722"N
98.003275"W
X= 1999029
Y= 285282
NAD-83 (US Feet)
35°47'01.6"N
98°00'13.0"W
35.783769"N
98.003605"W
X= 1967431
Y= 285305

NAD-27
X 1996323.67
Y 285191.08
NAD-83
X 1964724.97
Y 285214.79

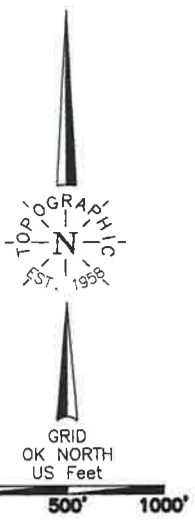
NAD-27
X 1998985.32
Y 285196.47
NAD-83
X 1967386.63
Y 285220.18

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

LAST TAKE POINT
S 00°03'04" E
80.00'
BOTTOM HOLE

2661.66' 165' HARDLINE
N 89°53'02" E

2653.88' N 89°43'46" E



- NOTES:**
- The information shown herein is for construction purposes ONLY.
 - Part of section 1 is within a flood zone.
 - 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°48'42.9"N
LONG: 97°59'43.0"W
LAT: 35.811905"N
LONG: 97.995285"W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2001399
Y: 295540

DATUM: NAD-83
LAT: 35°48'43.0"N
LONG: 97°59'44.2"W
LAT: 35.811951"N
LONG: 97.995615"W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1969800
Y: 295564

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



Operator: NEWFIELD EXPLORATION
Lease Name: FRANKLIN FIU 1508
Topography & Vegetation Loc. fell in level plowed field.

Date of Drawing: Oct. 25, 2018
Invoice # 300862B Date Staked: Sept. 27, 2018 TR
Well No.: 4H-1X

ELEVATION:
1090' Gr. at Stake (NGVD29)

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From North off county road.
Distance & Direction from Hwy Jct or Town From the junction of St. Hwy. 33 and US Hwy. 81, go South ±3.3 miles on US Hwy. 81, then West ± 3 miles to the Northeast corner of section 1-T15N-R8W.