

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

API NUMBER: 073 25270 B

Approval Date: 03/30/2016
Expiration Date: 09/30/2016

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NAME & NUMBER; CHANGE SURFACE LOCATION, BOTTOM-HOLE LOCATION, TOTAL DEPTH & DISPOSAL FACILITY; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 17N Rge: 7W

County: KINGFISHER

SPOT LOCATION: NW NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 240 290

Lease Name: RUSSELL

Well No: 1H-17X

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
4 WATERWAY SQ PL STE 100
SPRING, TX 77380-2764

RALPH E. HARRISON
13696 E. 760 RD.
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7817	6	
2 WOODFORD	8332	7	
3		8	
4		9	
5		10	

Spacing Orders: 653506
654181
666578

Location Exception Orders: 654292
666388

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18590

Ground Elevation: 1118

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: CEDAR HILLS

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

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: 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

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 150000

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 17 Twp 17N Rge 7W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 440

Depth of Deviation: 7730

Radius of Turn: 750

Direction: 1

Total Length: 9682

Measured Total Depth: 18590

True Vertical Depth: 8332

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category	Description
DEEP SURFACE CASING	3/18/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	3/18/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

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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.

Category	Description
LOCATION EXCEPTION - 654292	9/21/2017 - G75 - (I.O.) X653506 MSNLC, WDFD SHL (29-17N-7W) NW4 NW4 COMPL. INT. (20-17N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (17-17N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NEWFIELD EXPLOR. MID-CONT. INC. 7-14-2016
LOCATION EXCEPTION - 666388	9/21/2017 - G75 - EXTEND 654292 UNTIL 1-11-2018
MEMO	9/21/2017 - G75 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES SOUTH SCOOP FACILITY (SE4 28-2N-4W, STEPHENS CO.); PIT 3 - OBM TO VENDOR
SPACING - 653506	9/21/2017 - G75 - (640)(HOR) 20 & 17-17N-7W EXT 646547 MSNLC, WDFD COMPL. INT. (MSNLC) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 152332 MSSLM NE4 17-17N-7W; ORDER # 169500 MSSLM SE4 17-17N-7W; ORDER # 149142 MSSSD SW4 20-17N-7W & ORDER # 160531 MSSSD E2, NW4)
SPACING - 654181	9/21/2017 - G75 - (I.O.) 20 & 17-17N-7W EST MULTIUNIT HORIZONTAL WELL X653506 MSNLC, WDFD (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSNLC) 50% 20-17N-7W 50% 17-17N-7W NEWFIELD EXPLOR. MID-CONT. INC. 7-12-2016
SPACING - 666578	9/21/2017 - G75 - EXTEND 654181 UNTIL 1-12-2018

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Permit Plat

API 073-25270 B

M & M Land Surveying, Inc.

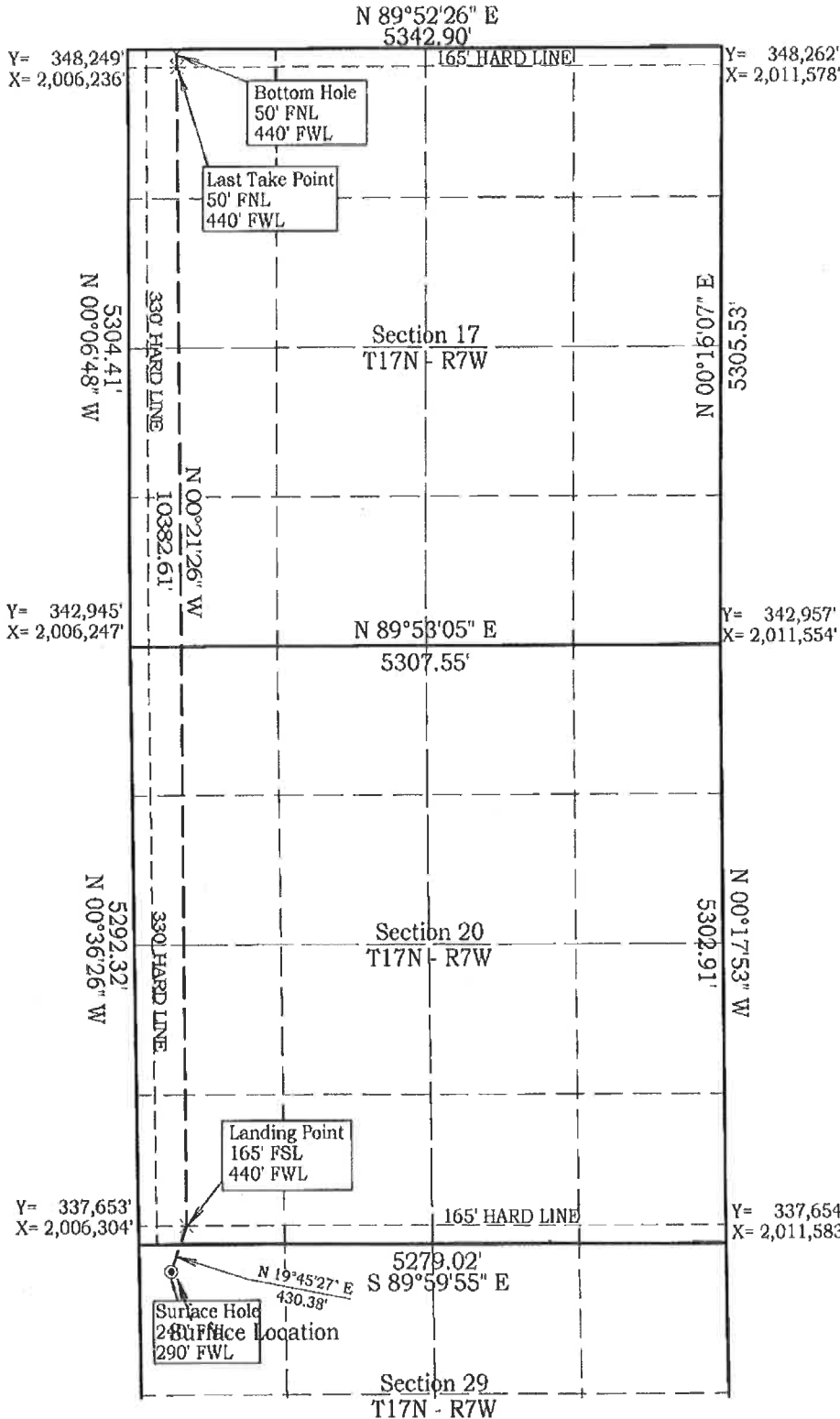
520 "E" Street NW. Ardmore, OK 73401
Office 580-226-0446 Mobile 580-221-4999

Company Name: Newfield Exploration Mid-Continent, Inc. Lease Name: Russell #1H-17X

Section 29 Township 17 North Range 7 West County Kingfisher Oklahoma

Surface Location 240' FNL - 290' FWL Elevation 1118'

ALL SECTION CORNER COORDINATES ARE NAD 27



Scale: 1" = 1500'
Invoice #17373
Date 8/30/17

Coordinates were derived from GPS RTK methods and are only accurate within ±10 feet

Location GPS NAD 27 Oklahoma North
Surface Location
Latitude: 35.92694°
Longitude: 97.97772°
Latitude: 35°55'37.0"
Longitude: 97°58'39.8"
Y= 337,413'
X= 2,006,597'

Location NAD 83
Surface Location
Latitude: 35.92698°
Longitude: 97.97805°
Latitude: 35°55'37.1"
Longitude: 97°58'41.0"
Y= 337,437'
X= 1,974,998'

D. Harry McClintick 8/30/17

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

