

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

API NUMBER: 073 26415

Approval Date: 01/10/2019
Expiration Date: 07/10/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 16N Rge: 9W County: KINGFISHER
SPOT LOCATION: SE SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 2350

Lease Name: NORTH STANGL Well No: 1609 2H-25X Well will be 250 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

ANTHONY F. STANGL AND MARY E. STANGL
27432 N 2750 RD
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1	MISSISSIPPI LIME	9091	6
2			7
3			8
4			9
5			10

Spacing Orders: 187295
160538

Location Exception Orders:

Increased Density Orders: 688777

Pending CD Numbers: 201807873
201809210
201807875
201807876

Special Orders:

Total Depth: 19550

Ground Elevation: 1161

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35953

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 25 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1540

Depth of Deviation: 8238

Radius of Turn: 477

Direction: 350

Total Length: 10563

Measured Total Depth: 19550

True Vertical Depth: 9671

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

Notes:

Category

Description

DEEP SURFACE CASING

12/12/2018 - 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

12/12/2018 - 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: 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

INCREASED DENSITY - 688777

1/10/2019 - G58 - 25-16N-9W
X187295 MSSLM
3 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
12/21/2018

INTERMEDIATE CASING

12/12/2018 - 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 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.

073 26415 NORTH STANGL 1609 2H-25X

Category	Description
MEMO	12/12/2018 - 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, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
PENDING CD - 201807873	1/10/2019 - G58 - 36-16N-9W X160538 MSSLM 3 WELLS NO OP. NAMED REC 10/24/2018 (M. PORTER)
PENDING CD - 201807875	1/10/2019 - G58 - (I.O.) 25 & 36-16N-9W EST MULTIUNIT HORIZONTAL WELL X187295 MSSLM X160538 MSSLM 50% 25-16N-9W 50% 36-16N-9W NO OP. NAMED REC 10/24/2018
PENDING CD - 201807876	1/10/2019 - G58 - (I.O.) 25 & 36-16N-9W X187295 MSSLM X160538 MSSLM COMPL. INT. 36-16N-9W NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. 25-16N-9W NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL NO OP. NAMED REC 10/24/2018
PENDING CD - 201809210	1/10/2019 - G58 - (I.O.) 25 & 36-16N-9W X165:10-3-28(C)(2)(B) MSSLM (NORTH STANGL 1609 2H-25X) MAY BE CLOSER THAN 600' TO THE STANGL 25-16-9 6H WELL MAY BE CLOSER THAN 600' TO THE STANGL 36-16-9 1H WELL MAY BE CLOSER THAN 600' TO THE OPPEL 25-A WELL MAY BE CLOSER THAN 600' TO THE HENNESSEY REALTY 36-A WELL REC 12/4/2018 (M. PORTER)
SPACING - 160538	1/10/2019 - G58 - (640) 36-16N-9W EXT OTHERS EST MSSLM, OTHERS
SPACING - 187295	1/10/2019 - G58 - (640) 25-16N-9W EST OTHERS EXT OTHERS EXT 100728 MSSLM

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.

PERMIT PLAT

M & M Land Surveying, Inc.
 Phone (580) 226-0446
 520 E Street N.W.
 Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

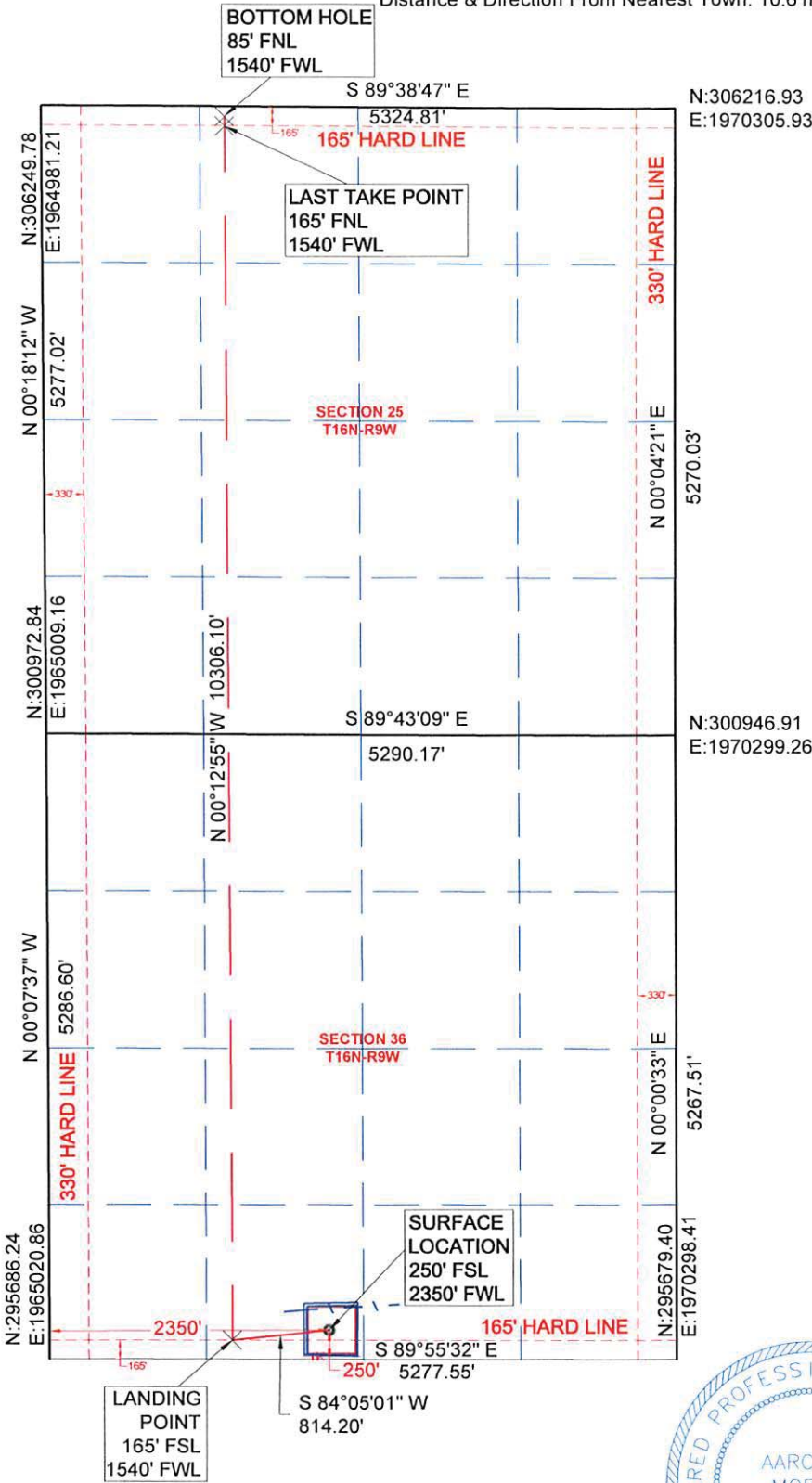
Lease Name: **NORTH STANGL 1609 2H-25X**

Section 36 Township 16 N Range 9 W , I.B.M., County of Kingfisher, State of Oklahoma
 Elevation Good Location?

Original Location: 250'FSL - 2350'FWL 1161' GROUND YES

Distance & Direction From Nearest Town: 10.6 miles Southwest of Kingfisher.

073-26415



SURFACE LOCATION
 DATUM: NAD27
 LAT: 35° 48' 46.57"N
 LONG: 98° 06' 36.17"W
 LAT: 35.812936°N
 LONG: 98.110049°W
 STATE PLANE
 COORDINATES: (US
 SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 295933.15
 X (E): 1967370.01

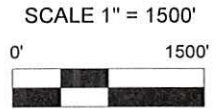
DATUM: NAD83
 LAT: 35° 48' 46.72"N
 LONG: 98° 06' 37.39"W
 LAT: 35.812979°N
 LONG: 98.110385°W
 STATE PLANE
 COORDINATES: (US
 SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 295956.86
 X (E): 1935770.95

DATA DERIVED FROM
 G.P.S. WITH O.P.U.S.
 DATA.

This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

CERTIFICATE:

I Aaron Morris a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.



(Signature) 9/20/2018

Aaron L. Morris R.P.L.S. No.1477
 Bennett-Morris & Associates Land
 Surveying P.C. ~ C.A. No. 5795 (LS)
 Phone (580) 226-5108
 Fax (888) 662-7778
 1010 Northwest Boulevard
 Ardmore, OK 73401

SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2018 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18375	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 08/21/2018
	DRAWING DATE: 09/18/2018