API NUMBER: 073 26266

Horizontal Hole Oil & Gas

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

Approval Date: 09/21/2018
Expiration Date: 03/21/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 17N Rge: 9W County: KINGFISHER

SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **250** **1190**

Lease Name: ROSALIE **Well No: 1709 5H-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

LONNIE BRAUN
1909 MASSEY AVENUE
KINGFISHER OK 73750

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	8576	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 650664 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201805886
201805887
201805907
201805906
201805905

Special Orders:

Total Depth: 19479 Ground Elevation: 1221 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 350

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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 25 Twp 17N Rge 9W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 440

Depth of Deviation: 8443

Radius of Turn: 477

Direction: 5

Total Length: 10287

Measured Total Depth: 19479

True Vertical Depth: 8656

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

Notes:

Category	Description
DEEP SURFACE CASING	9/14/2018 - 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	9/14/2018 - 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
INTERMEDIATE CASING	9/14/2018 - 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
MEMO	9/14/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498); PIT 2 - OBM TO VENDOR

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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.

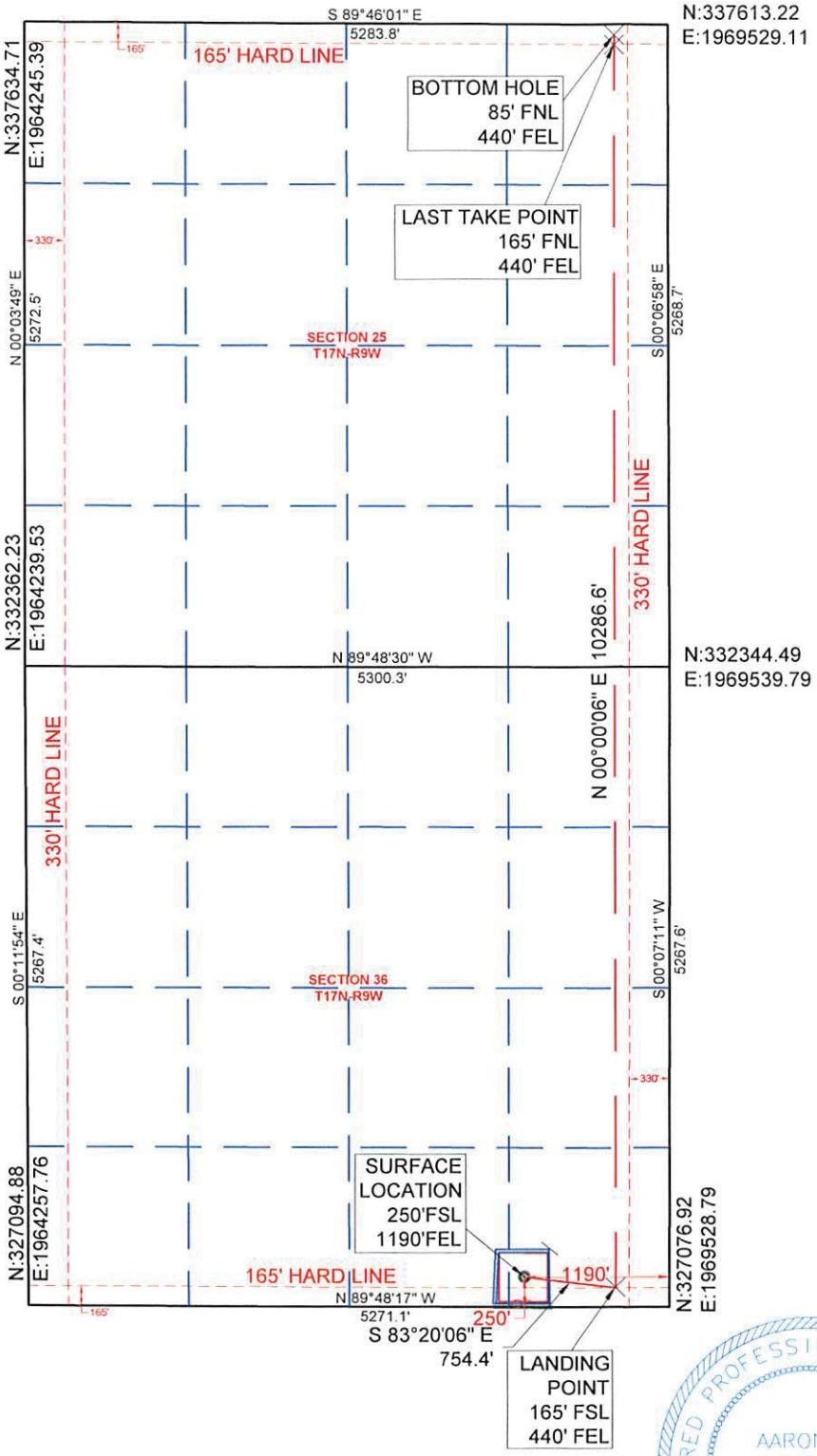
Category	Description
PENDING CD - 201805886	9/21/2018 - G75 - (I.O.) 36 & 25-17N-9W EST MULTIUNIT HORIZONTAL WELL X650664 MSSP, OTHER 50% 36-17N-9W 50% 25-17N-9W NO OP. NAMED REC 8-14-2018 (DUNN)
PENDING CD - 201805887	9/21/2018 - G75 - (I.O.) 36 & 25-17N-9W X650664 MSSP, OTHER COMPL. INT. (36-17N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (25-17N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 8-14-2018 (DUNN)
PENDING CD - 201805905	9/21/2018 - G75 - 25-17N-9W X650664 MSSP 4 WELLS NO OP. NAMED REC 8-14-2018 (DUNN)
PENDING CD - 201805906	9/21/2018 - G75 - 36-17N-9W X650664 MSSP 4 WELLS NO OP. NAMED REC 8-14-2018 (DUNN)
PENDING CD - 201805907	9/21/2018 - G75 - (I.O.) 25-17N-9W X165:10-3-28(C)(2)(B) MSSP (ROSALIE 1709 5H-25X) MAY BE CLOSER THAN 600' TO MAJOR 1 (API 073-22483) NEWFIELD EXPLOR. MID-CONT. INC. REC 8-14-2018 (DUNN)
SPACING - 650664	9/21/2018 - G75 - (640)(HOR) 36 & 25-17N-9W EXT 646834 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 78599 MNNG, MSSSD 25-17N-9W & ORDER # 114154 MCSTR, MNNG, MSSSD 36-17N-9W)

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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.** API 073-26266
Lease Name: ROSALIE 1709 5H-25X
Section 36 Township 17 N Range 9W , I.B.M, County of Kingfisher, State of Oklahoma
Elevation Good Location?
Original Location: 250'FSL - 1190'FEL 1221' GROUND YES
Distance & Direction From Nearest Town: 10.1 miles Northwest of Kingfisher



SURFACE LOCATION
DATUM: NAD27
LAT: 35° 53' 57.10"N
LONG: 98° 06' 24.82"W
LAT: 35.899195°N
LONG: 98.106895°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 327331.03
X (E): 1968339.66

DATUM: NAD83
LAT: 35° 53' 57.25"N
LONG: 98° 06' 26.04"W
LAT: 35.899236°N
LONG: 98.107233°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 327354.72
X (E): 1936740.17

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



SCALE 1" = 1500'
0' 1500'

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
AARON L. MORRIS
1477
OKLAHOMA

07/30/2018

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.	
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PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
18273	STAKING DATE: 06/27/2018
SHEET: 6 OF 10	DRAWING DATE: 07/12/2018