API NUMBER: 073 26067

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: 05/24/2018
Expiration Date: 11/24/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 16N Rge: 9W County: KINGFISHER

SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **255** **2130**

Lease Name: **INDOMINUS REX** **Well No:** **1609 4H-6X** **Well will be** **255** **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

CHRISTOPHER & CHERYL BOECKMAN
68117 NORTH 2600 ROAD
HITCHCOCK OK 73744

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	9027	6		
2	WOODFORD	9582	7		
3			8		
4			9		
5			10		

Spacing Orders: 649881
672550

Location Exception Orders: 672504

Increased Density Orders: 671654
671655

Pending CD Numbers: 201702145

Special Orders:

Total Depth: 18931 Ground Elevation: 1212 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 390

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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:

B. Solidification of pit contents.

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 07 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 2351

Depth of Deviation: 8169

Radius of Turn: 382

Direction: 178

Total Length: 10162

Measured Total Depth: 18931

True Vertical Depth: 9582

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

Notes:

Category	Description
DEEP SURFACE CASING	5/23/2018 - 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	5/23/2018 - 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 - 671654	5/24/2018 - G75 - 6-16N-9W X649881 MSSP 7 WELLS NEWFIELD EXPLOR. MID-CONT. INC. 1-2-2018
INCREASED DENSITY - 671655	5/24/2018 - G75 - 7-16N-9W X649881 MSSP 7 WELLS NEWFIELD EXPLOR. MID-CONT. INC. 1-2-2018

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.

Category	Description
INTERMEDIATE CASING	5/23/2018 - 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
LOCATION EXCEPTION - 672504	5/24/2018 - G75 - (I.O.) 6 & 7-16N-9W X649881 MSSP, WDFD COMPL. INT. (6-16N-9W) NCT 165' FNL, NCT 0' FSL, NCT 2000' FWL COMPL. INT. (7-16N-9W) NCT 0' FNL, NCT 165' FSL, NCT 2000' FWL NEWFIELD EXPLOR. MID-CONT. INC. 1-23-2018
MEMO	5/23/2018 - 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
PENDING CD - 201702145	5/24/2018 - G75 - (I.O.) 6 & 7-16N-9W X165:10-3-28(C)(2)(B) MSSP (INDOMINUS REX 1609 4H-6X) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS NEWFIELD EXPLOR. MID-CONT. INC. REC 11-6-2017 (MACGUIGAN ON APPEAL, CONFIRMED BY COMMISSIONERS 2 TO 1 VOTE ON 5-22-2018)
SPACING - 649881	5/24/2018 - G75 - (640)(HOR) 6 & 7-16N-9W EST MSSP, OTHER 6 & 7-16N-9W EST WDFD 7-16N-9W EXT 639140/VAR WDFD 6-16N-9W POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 93366 MSSNC, MNNG, MSSSD & ROOF 1 WDFD SE4 6-16N-9W; ORDER # 96892 MSSNC, MNNG, MSSSD 7-16N-9W)
SPACING - 672550	5/24/2018 - G75 - (I.O.) 6 & 7-16N-9W EST MULTIUNIT HORIZONTAL WELL X649881 MSSP, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 6-16N-9W 50% 7-16N-9W NEWFIELD EXPLOR. MID-CONT. INC. 1-24-2018

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

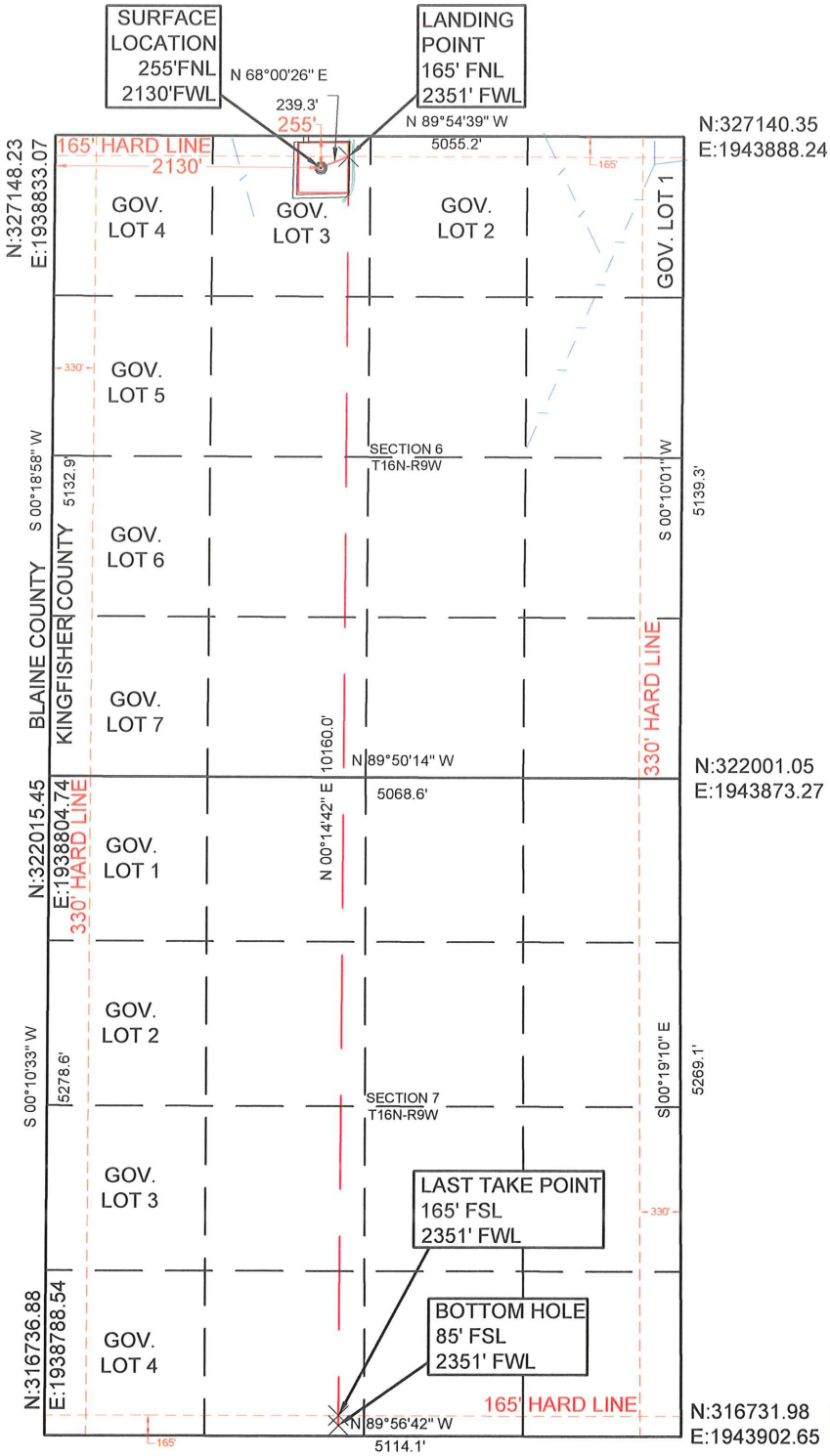
API 073-26067

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: INDOMINUS REX 1609 4H-6X
Section 6 Township 16 N Range 9 W , I.B.M, County of Kingfisher, State of Oklahoma

		Elevation	Good Location?
Original Location:	255'FNL - 2130'FWL	1212' GROUND	YES

Distance & Direction From Nearest Town: 12.9 miles Northeast of Watonga



SURFACE LOCATION
DATUM: NAD27
LAT: 35° 53' 52.31"N
LONG: 98° 11' 57.58"W
LAT: 35.897865°N
LONG: 98.199328°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 326890.01
X (E): 1940961.57

DATUM: NAD83
LAT: 35° 53' 52.46"N
LONG: 98° 11' 58.81"W
LAT: 35.897906°N
LONG: 98.199671°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 326913.64
X (E): 1909361.59

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

N

BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27

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 D. Harry McClintick 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
D. HARRY MCCLINTICK
1367
OKLAHOMA

5/14/18

D. Harry McClintick
PLS. No.1367 CFEDS

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)
18204	STAKING DATE: 05/08/2018
SHEET: 6 OF 10	DRAWING DATE: 05/10/2018