API NUMBER: 011 24083

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: 09/07/2018
Expiration Date: 03/07/2019

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 16N Rge: 10W County: BLAINE

SPOT LOCATION: SW SE SE SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **305** **2235**

Lease Name: MARKS **Well No: 1610 3H-4X** **Well will be 305 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

ALAN BERNHARDT & JONNA BERNHARDT
79764 S. 2610 ROAD
WATONGA OK 73772

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	9664	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 641005
640333

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806884
201806885
201806880
201806881
201806890

Special Orders:

Total Depth: 19926 Ground Elevation: 1275 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 40

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: 8000 Average: 5000
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: FLOWERPOT

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 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: FLOWERPOT

HORIZONTAL HOLE 1

Sec 04 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 2502

Depth of Deviation: 9512

Radius of Turn: 477

Direction: 5

Total Length: 9665

Measured Total Depth: 19926

True Vertical Depth: 9743

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

Notes:

Category	Description
DEEP SURFACE CASING	8/24/2018 - 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	8/24/2018 - 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	8/24/2018 - 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	8/24/2018 - 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 - 201806880	9/6/2018 - G75 - (E.O.) 4-16N-10W X641005 MSSP 4 WELLS NEWFIELD EXPLOR. MID-CONT. INC. REC 8-31-2018 (M. PORTER)
PENDING CD - 201806881	9/6/2018 - G75 - (E.O.) 9-16N-10W X640333 MSSP 4 WELLS NEWFIELD EXPLOR. MID-CONT. INC. REC 8-31-2018 (M. PORTER)
PENDING CD - 201806884	9/6/2018 - G75 - (E.O.) 9 & 4-16N-10W EST MULTIUNIT HORIZONTAL WELL X640333 MSSP, OTHER 9-16N-10W X641005 MSSP, OTHER 4-16N-10W 50% 9-16N-10W 50% 4-16N-10W NEWFIELD EXPLOR. MID-CONT. INC. REC 8-31-2018 (M. PORTER)
PENDING CD - 201806885	9/6/2018 - G75 - (E.O.) 9 & 4-16N-10W X640333 MSSP 9-16N-10W X641005 MSSP 4-16N-10W SHL (9-16N-10W) SW4 COMPL. INT. (9-16N-10W) NCT 165' FSL, NCT 0' FNL, NCT 1980' FWL COMPL. INT. (4-16N-10W) NCT 0' FSL, NCT 165' FNL, NCT 1980' FWL NEWFIELD EXPLOR. MID-CONT. INC. REC 8-31-2018 (M. PORTER)
PENDING CD - 201806890	9/6/2018 - G75 - (E.O.) 9 & 4-16N-10W X165:10-3-28(C)(2)(B) MSSP (MARKS 1610 3H-4HX) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS NEWFIELD EXPLOR. MID-CONT. INC. REC 8-31-2018 (M. PORTER)
SPACING - 640333	9/6/2018 - G75 - (640)(HOR) 9-16N-10W EXT OTHER EST MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER #76988/221544 MCSTR)
SPACING - 641005	9/6/2018 - G75 - (640)(HOR) 4-16N-10W VAC 413142 MRMC, OSGE VAC 76988 MCSTR VAC OTHER EST MSSP, OTHERS COMPL. INT. NCT 660' FB

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

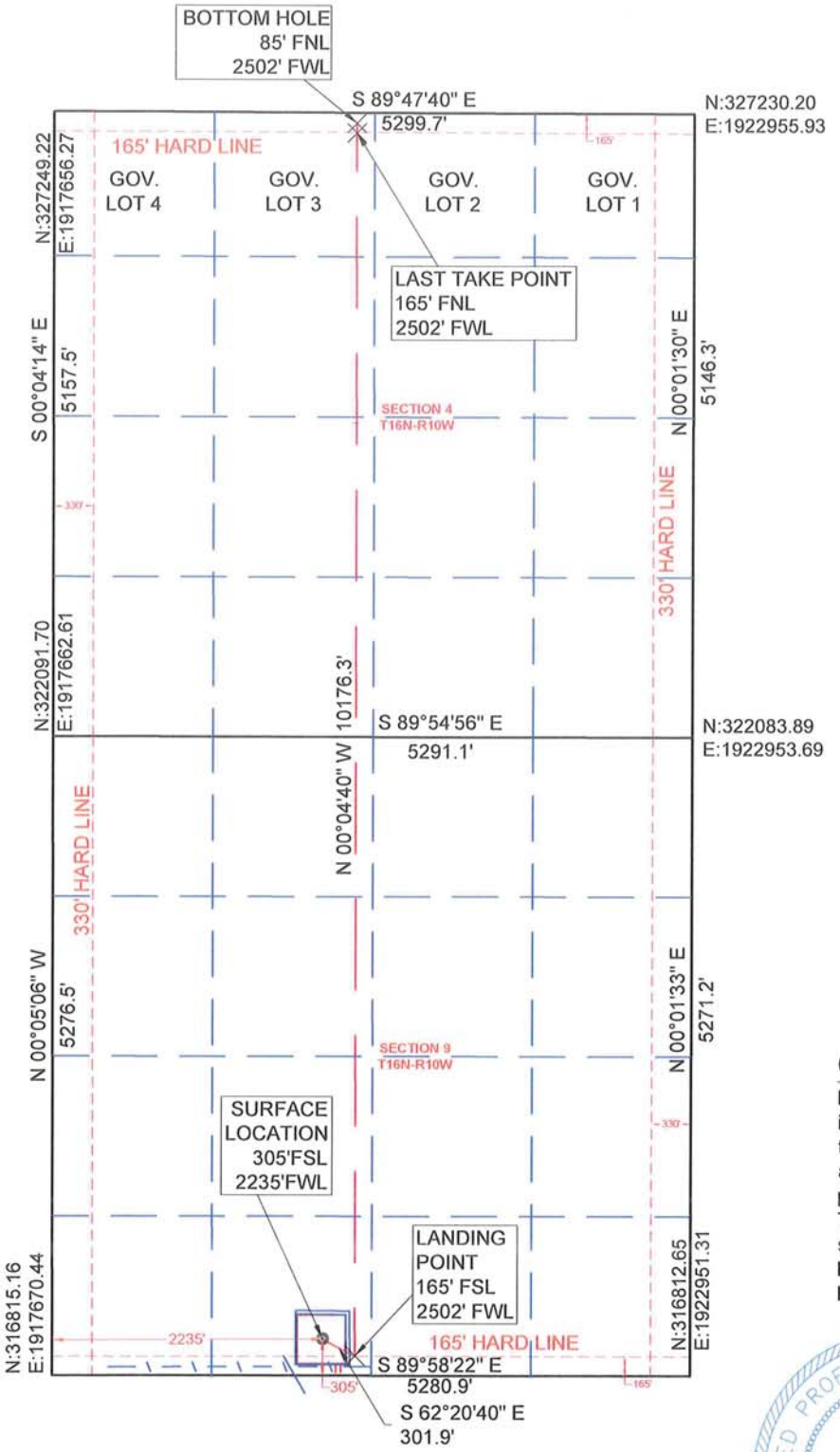
M & M Land Surveying, Inc.
Phone (580) 226-0446
520 E Street N.W.
Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**
Lease Name: MARKS 1610 3H-4X
Section 9 Township 16 N Range 10 W , I.B.M, County of Blaine, State of Oklahoma

Original Location:	305'FSL - 2235'FWL	Elevation 1275' GROUND	Good Location? YES

Distance & Direction From Nearest Town: 8.6 miles Northeast of Watonga

API 011-24083



SURFACE LOCATION
DATUM: NAD27
LAT: 35° 52' 15.18"N
LONG: 98° 16' 13.18"W
LAT: 35.870883°N
LONG: 98.270329°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 317119.08
X (E): 1919904.83

DATUM: NAD83
LAT: 35° 52' 15.33"N
LONG: 98° 16' 14.43"W
LAT: 35.870924°N
LONG: 98.270674°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 317142.78
X (E): 1888304.61

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

D. Harry McClintick
PLS. No.1367

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)
18357	STAKING DATE: 08/14/2018
SHEET: 6 OF 10	DRAWING DATE: 08/16/2018