

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

API NUMBER: 039 22539

Approval Date: 04/27/2018
Expiration Date: 10/27/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 15N Rge: 14W County: CUSTER
SPOT LOCATION: NW NE NW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2400 730

Lease Name: LOLA COMER Well No: 1514 1H-25X Well will be 730 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

SCOTT PERKINS FARMS, LLC
24319 E. 890 ROAD
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	13015	6	
2	WOODFORD	13859	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801444
201801445
201800730
201801443
201803108
201803111

Special Orders:

Total Depth: 21307 Ground Elevation: 1737 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 240

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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.
- 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: 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 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

PIT 3 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 15N Rge 14W County CUSTER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 12802

Radius of Turn: 573

Direction: 353

Total Length: 7604

Measured Total Depth: 21307

True Vertical Depth: 13859

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

Notes:

Category

Description

DEEP SURFACE CASING

4/5/2018 - 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

Category	Description
HYDRAULIC FRACTURING	<p>4/5/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
INTERMEDIATE CASING	<p>4/5/2018 - 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</p>
MEMO	<p>4/5/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR</p>
PENDING - 201801445	<p>4/12/2018 - G57 - (I.O.) 36 & 25-15N-14W X201800730 MSNLC, WDFD 36-15N-14W X201801443 MSNLC, WDFD 25-15N-14W COMPL. INT. (36-15N-14W) NCT 2640' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (25-15N-14W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 3-13-2018 (JOHNSON)</p>
PENDING CD - 201800730	<p>4/11/2018 - G57 - (640)(HOR) 36-15N-14W EST MSNLC, WDFD POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 3-2-2018 (DUNN)</p>
PENDING CD - 201801443	<p>4/11/2018 - G57 - (640)(HOR) 25-15N-14W EST MSNLC, WDFD POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 3-13-2018 (JOHNSON)</p>
PENDING CD - 201801444	<p>4/12/2018 - G57 - (I.O.) 36 & 25-15N-14W EST MULTIUNIT HORIZONTAL WELL X201800730 MSNLC, WDFD 36-15N-14W X201801443 MSNLC, WDFD 25-15N-14W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSNLC) 34% 36-15N-14W 66% 25-15N-14W NO OP. NAMED REC 3-13-2018 (JOHNSON)</p>
PENDING CD - 201803108	<p>4/18/2018 - G57 - (E.O.) 36-15N-14W X201800730 MSNLC 1 WELL NEWFIELD EXPLORATION MID-CONTINENT INC. REC 4-27-2018 (P. PORTER)</p>
PENDING CD - 201803111	<p>4/18/2018 - G57 - (E.O.) 36-15N-14W X165:10-3-28(C)(2)(B) MSNLC (LOLA COMER 1514 1H-25X) MAY BE LOCATED LESS THAN 600' FROM ANOTHER WELLBORE NEWFIELD EXPLORATION MID-CONTINENT INC. REC 4-27-2018 (P. PORTER)</p>
SURFACE CASING	<p>4/5/2018 - G71 - MIN. 500' PER ORDER 42589</p>

This permit does not address the right of entry or settlement of surface damages.
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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.

PERMIT PLAT

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

API: 039 22539

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**
 Lease Name: LOLA COMER 1514 1H 25X
 Section 36 Township 15 N Range 14 W, I.B.M., County of Custer, State of Oklahoma

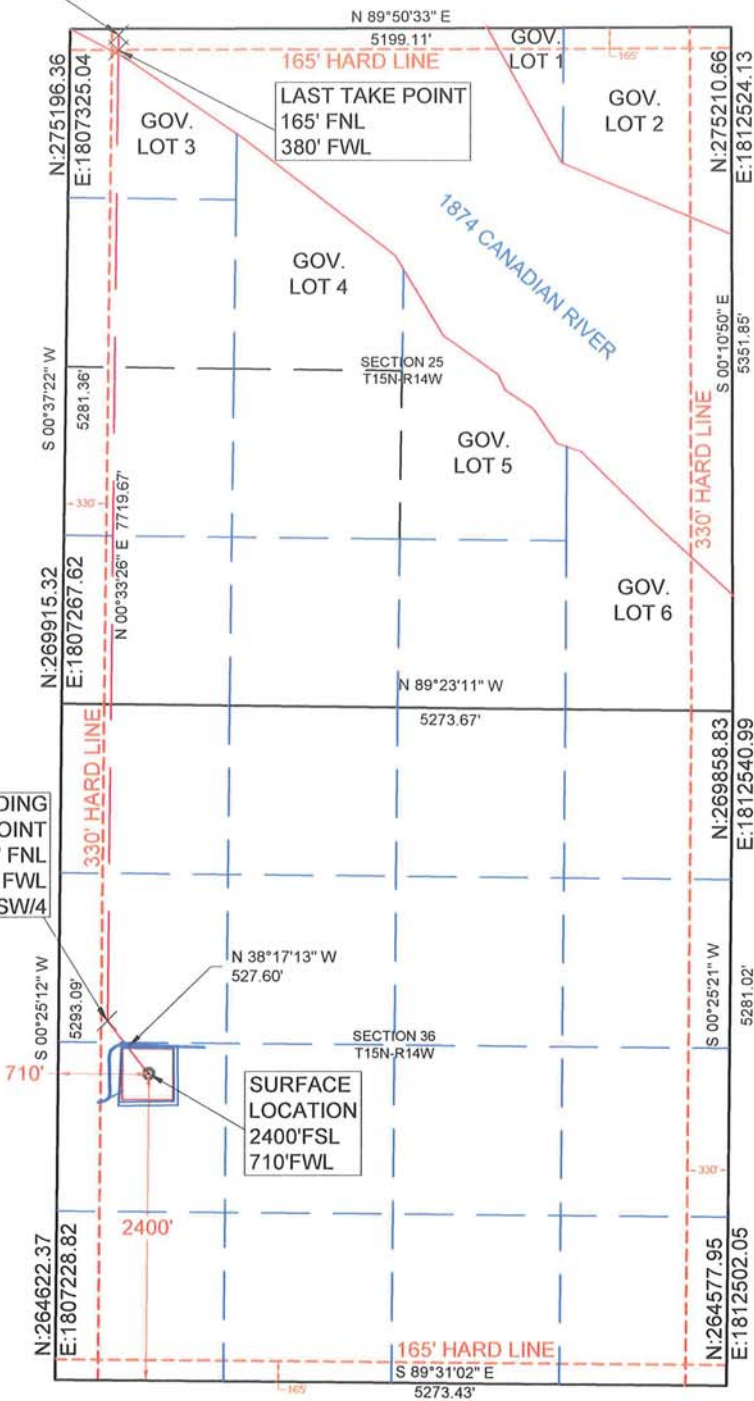
BOTTOM HOLE
 50' FNL
 380' FWL

Original Location: 2400'FSL - 710'FWL 1737' GROUND YES
 Distance & Direction From Nearest Town: 5.5 miles East of Thomas

SURFACE LOCATION
 DATUM: NAD27
 LAT: 35° 43' 54.43"N
 LONG: 98° 38' 49.31"W
 LAT: 35.731787°N
 LONG: 98.647031°W
 STATE PLANE
 COORDINATES: (US
 SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 267016
 X (E): 1807956.42

DATUM: NAD83
 LAT: 35° 43' 54.61"N
 LONG: 98° 38' 50.60"W
 LAT: 35.731835°N
 LONG: 98.647388°W
 STATE PLANE
 COORDINATES: (US
 SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 267041.3
 X (E): 1776355.06

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 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.



D. Harry McClintick
 2/23/18
 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.	
© COPYRIGHT 2017	C.A. No. 5975 (LS) - Aaron L. Morris, RPLS
PROJECT NUMBER: 18050	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 01/31/2018
	DRAWING DATE: 02/21/2018