

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

API NUMBER: 011 24075

Approval Date: 08/24/2018

Expiration Date: 02/24/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 15N Rge: 13W County: BLAINE

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 1825

Lease Name: LOIS Well No: 1613 2H-35 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

BENNY DON FULLER  
605 EICHEN AVENUE  
OKARCHE OK 73762

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11574	6	
2	WOODFORD	12224	7	
3			8	
4			9	
5			10	

Spacing Orders: 662096

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805615  
201805617

Special Orders:

Total Depth: 17144

Ground Elevation: 1795

**Surface Casing: 530**

Depth to base of Treatable Water-Bearing FM: 280

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**PIT 1 INFORMATION**

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35204

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 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 35 Twp 16N Rge 13W County BLAINE

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 2600

Depth of Deviation: 10876

Radius of Turn: 800

Direction: 10

Total Length: 5011

Measured Total Depth: 17144

True Vertical Depth: 12224

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/17/2018 - 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](http://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](http://FRACFOCUS.ORG)

INTERMEDIATE CASING

8/17/2018 - 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

8/17/2018 - 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 - 201805615

8/24/2018 - G57 - 35-16N-13W  
X662096 MSSP  
2 WELLS  
NO OP. NAMED  
REC 8-7-2018 (P. PORTER)

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.

011 24075 LOIS 1613 2H-35

Category	Description
PENDING CD - 201805617	8/24/2018 - G57 - (I.O.) 35-16N-13W X662096 MSSP, WDFD SHL NW4 2-15N-13W COMPL. INT. (35-16N-13W) NCT 165' FSL, NCT 165' FNL, NCT 1980' FEL NO OP. NAMED REC 8-7-2018 (P. PORTER)
SPACING - 662096	8/24/2018 - G57 - (640)(HOR) 35-16N-13W EXT 653874 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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: LOIS 1613 2H-35

Section 2 Township 15 N Range 13 W , I.B.M, County of Blaine, State of Oklahoma

	Elevation	Good Location?
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Original Location:	250'FNL - 1825'FWL	1795'	GROUND	YES
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Distance & Direction From Nearest Town: 7.9 miles Southwest of Watonga

### SURFACE LOCATION

DATUM: NAD27

LAT: 35° 48' 41.48"N

LONG: 98° 33' 16.58"W

LAT: 35.811523°N

LONG: 98.554606°W

STATE PLANE

COORDINATES: (US  
SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 295870.26

X (E): 1835554.23

DATUM: NAD83

LAT: 35° 48' 41.65"N

LONG: 98° 33' 17.86"W

LAT: 35.811569°N

LONG: 98.554961°W

STATE PLANE

COORDINATE

SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 295895.17

X (E): 1803952.85

DATA DERIVED FROM

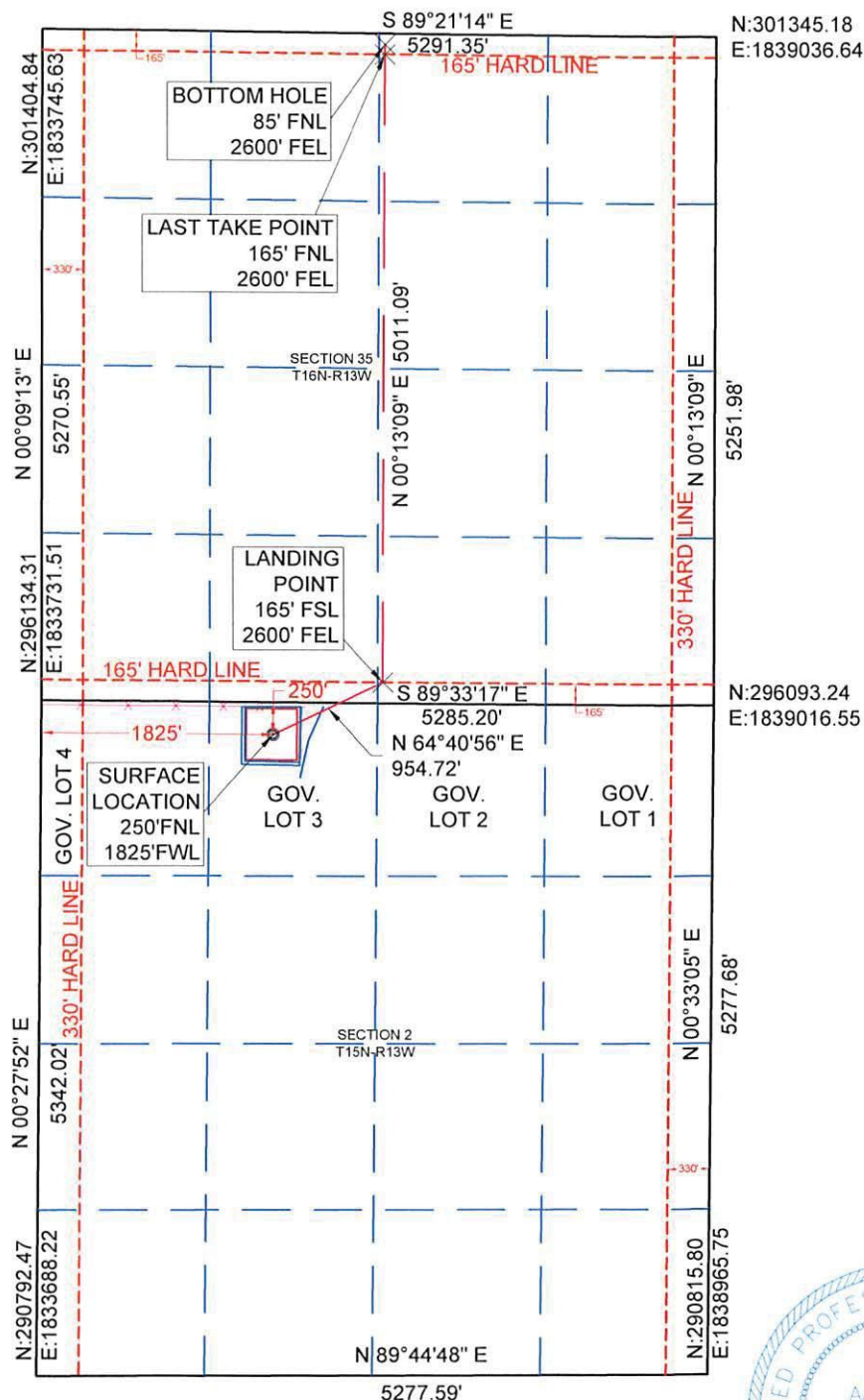
G.P.S. WITH O.P.U.S.

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.



BASIS OF BEARINGS ARE  
GRID NORTH  
COORDINATES ARE NAD27

SCALE 1" = 1500'

0' 1500'

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:	SITE VISIT: (Explanation and Date)
18248	STAKING DATE: 06/14/2018
SHEET: 6 OF 10	DRAWING DATE: 06/19/2018



DL 07/18/2018

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