

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

API NUMBER: 011 24100

Approval Date: 10/12/2018

Expiration Date: 04/12/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 16N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2340 720

Lease Name: OPPEL

Well No: 1610 4H-24X

Well will be 300 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

JEFFREY ELTON YOST & MELANIE G. YOST
RT. 1, BOX 63
OMEGA OK 73764

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9516	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653464

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807279
201807280
201807295
201807285
201807286

Special Orders:

Total Depth: 17700

Ground Elevation: 1196

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 70

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 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35499

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 25 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 2317

Depth of Deviation: 9428

Radius of Turn: 382

Direction: 170

Total Length: 7672

Measured Total Depth: 17700

True Vertical Depth: 9891

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

Notes:

Category

Description

DEEP SURFACE CASING

10/3/2018 - 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

10/3/2018 - 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

10/3/2018 - 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

10/3/2018 - 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

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

011 24100 OPPEL 1610 4H-24X

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
PENDING CD - 201807279	10/3/2018 - G75 - S2 24-16N-10W X653464 MSSP 7 WELLS NO OP. NAMED REC 10-2-2018 (MILLER)
PENDING CD - 201807280	10/3/2018 - G75 - 25-16N-10W X653464 MSSP 7 WELLS NO OP. NAMED REC 10-2-2018 (MILLER)
PENDING CD - 201807285	10/3/2018 - G75 - (I.O.) S2 24 & 25-16N-10W EST MULTIUNIT HORIZONTAL WELL X653464 MSSP, OTHER 33% S2 24-16N-10W 67% 25-16N-10W NO OP. NAMED REC 10-2-2018 (MILLER)
PENDING CD - 201807286	10/3/2018 - G75 - (I.O.) S2 24 & 25-16N-10W X653464 MSSP, OTHER COMPL. INT. (S2 24-16N-10W) NCT 165' FNL, NCT 0' FSL, NCT 1980' FWL COMPL. INT. (25-16N-10W) NCT 0' FNL, NCT 165' FSL, NCT 1980' FWL NO OP. NAMED REC 10-2-2018 (MILLER)
PENDING CD - 201807295	10/3/2018 - G75 - (I.O.) S2 24 & 25-16N-10W X165:10-3-28(C)(2)(B) MSSP (OPPEL 1610 4H-24X) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS NEWFIELD EXPLOR. MID-CONT. INC. REC 10-2-2018 (MILLER)
SPACING - 653464	10/3/2018 - G75 - (640/320) S2 24 & 25-16N-10W EST (640)(VER) OTHERS EST (640)(HOR) OTHER EST (320)(HOR) MSSP, OTHERS S2 24-16N-10W EXT (640)(HOR) 637157 MSSP, OTHERS 25-16N-10W COMPL. INT. NCT 660' FB (COEXIST SP. ORDER # 168134/169097 MSSSD & ORDER # 245726/245964 CSTRU, MNNG S2 24 -16N-10W; COEXIST SP. ORDER # 168134/169097 MSSSD & ORDER # 169886 MCSTR 25-16N- 10W)

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.

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

Distance & Direction From Nearest Town: 11.1 miles East of Watonga

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.

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.

3.75 : 10/5/2018

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.	
© COPYRIGHT 2018 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
18466	STAKING DATE: 09/04/2018
SHEET: 6 OF 10	DRAWING DATE: 10/04/2018