

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

API NUMBER: 011 23893

Approval Date: 12/06/2017

Expiration Date: 06/06/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 15N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 285 1361

Lease Name: HORSEFLY 13\_24-15N-10W

Well No: 3HX

Well will be 285 feet from nearest unit or lease boundary.

Operator Name: DEVON ENERGY PRODUCTION CO LP

Telephone: 4052353611; 4052353

OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE  
OKLAHOMA CITY, OK 73102-5010

BARBARA ANN BORNEMANN  
959 N. BANNER ROAD  
EL RENO OK 73036

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9238	6	
2	WOODFORD	10674	7	
3			8	
4			9	
5			10	

Spacing Orders: 646358  
594004

Location Exception Orders:

Increased Density Orders: 670190

Pending CD Numbers: 201706148  
201706183  
201706180

Special Orders:

Total Depth: 20390

Ground Elevation: 1287

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 90

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 17-33295

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 24 Twp 15N Rge 10W County BLAINE

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 880

Depth of Deviation: 9139

Radius of Turn: 572

Direction: 183

Total Length: 10353

Measured Total Depth: 20390

True Vertical Depth: 10674

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

11/3/2017 - 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

#### HYDRAULIC FRACTURING

11/3/2017 - 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)

#### INCREASED DENSITY - 670190

12/4/2017 - G58 - (I.O.) 24-15N-10W  
X594004 MSSP, WDFD  
10 WELLS  
DEVON ENERGY PROD. CO., L.P.  
11/17/17

#### INTERMEDIATE CASING

11/3/2017 - 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

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

011 23893 HORSEFLY 13\_24-15N-10W 3HX

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.

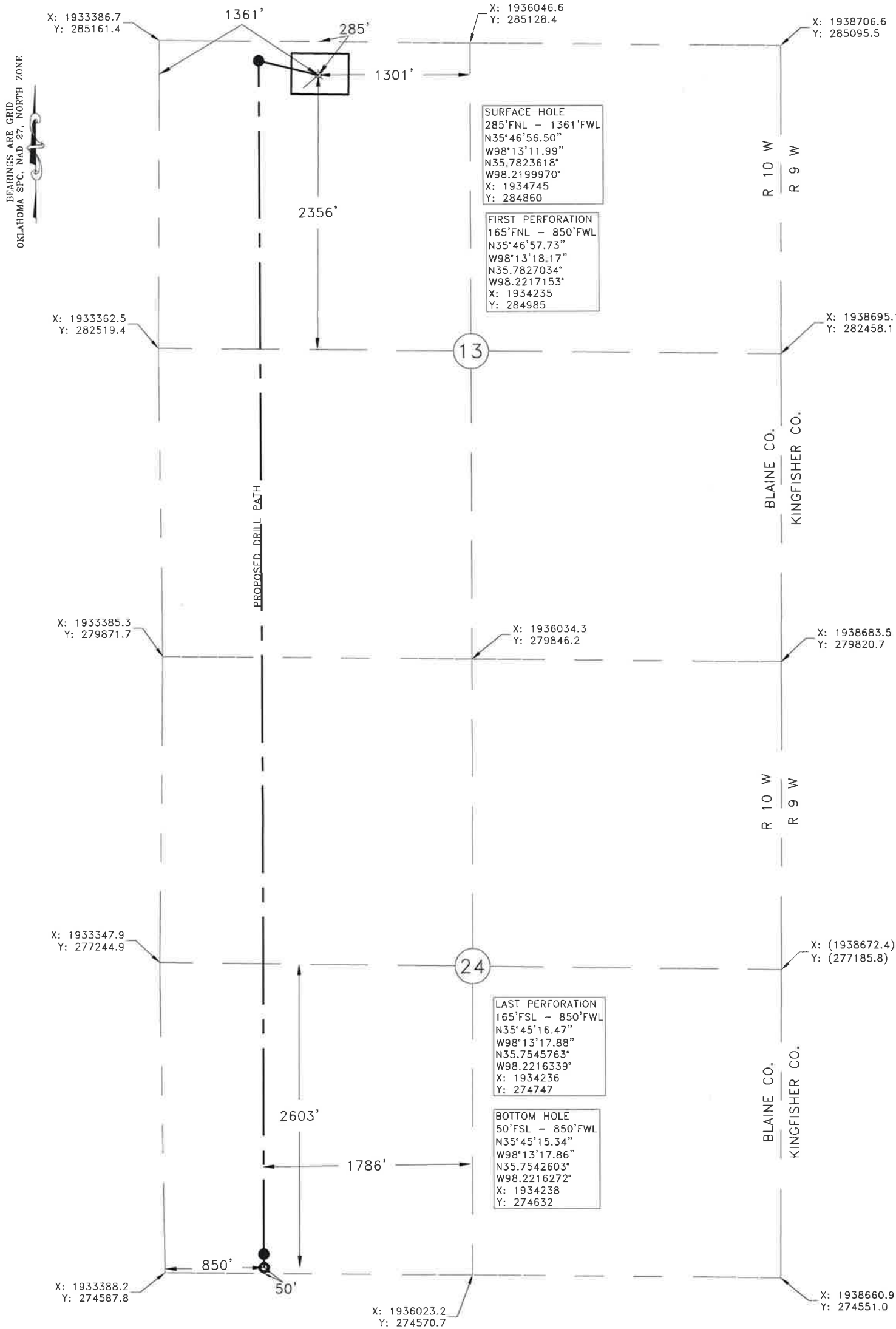
Category	Description
MEMO	11/3/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201706148	12/4/2017 - G58 - (I.O.) 13 & 24-15N-10W EST. MULTIUNIT HORIZONTAL WELL X646358 (13-15N-10W) MSSP, WDFD X594004 (24-15N-10W) MSSP, WDFD (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 13-15N-10W 50% 24-15N-10W NO OP NAMED REC 10/10/2017 (JACKSON)
PENDING CD - 201706180	12/4/2017 - G58 - (I.O.) 13-15N-10W X646358 MSSP, WDFD 10 WELLS DEVON ENERGY PROD. CO., L.P. REC 10/10/2017 (JACKSON)
PENDING CD - 201706183	12/4/2017 - G58 - (I.O.) 13 & 24-15N-10W X646358 MSSP, WDFD 13-15N-10W X594004 MSSP, WDFD 24-15N-10W X165:10-3-28(C)(2)(B) MSSP, WDFD (HORSEFLY 13_24-15N-10W 3HX) MAY BE CLOSER THAN 600' TO ANY PROPOSED WELL AND HORSEFLY 13_24-15N-10W 1HX COMPL. INT. (13-15N-10W) NCT 165' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. (24-15N-10W) NCT 0' FNL, NCT 165' FSL, NCT 660' FWL DEVON ENERGY PROD. CO., L.P. REC 10/10/2017 (JACKSON)
SPACING – 594004	12/4/2017 - G58 - (640) 24-15N-10W VAC 169866 CSTR VAC 176175 MNNG, MSSSD EXT 588576 WDFD EST MSSP
SPACING – 646358	12/4/2017 - G58 - (640)(HOR) 13-15N-10W VAC 169866 CSTR VAC 176175 MNNG, MSSSD EXT 641537 WDFD EST MSSP, OTHER POE TO BHL (MSSP, OTHER) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

SECTIONS 13 & 24,  
T 15 N - R 10 W, I.M.,  
BLAINE COUNTY, OKLAHOMA



Operator: DEVON ENERGY PRODUCTION COMPANY, LP.  
Lease Name: HORSEFLY 13\_24-15N-10W  
Topography and Vegetation: PASTURE  
Good Drill Site? YES  
Reference or Alt. Location Stakes Set: NONE  
Best Accessibility to Location: FROM COUNTY ROAD  
Distance and Direction from Hwy. Jct. or town: FROM THE US HWY 270/STATE HWY. 3 JUNCTION IN WATONGA, HEAD EAST ON STATE HWY. 3 FOR 10.9 MILES, THEN HEAD SOUTH ON CO. RD. N2680 FOR 4 MILES, THEN HEAD EAST ON CO. RD. E0850 FOR 0.5 MILE, TURN SOUTH INTO LOCATION

Date Staked: 09/14/17  
Well No.: 3HX  
Elevation: 1287'

J. Wyatt Bishop  
OKLAHOMA L.P.L.S. NO.: 1649  
DATE 10-6-17

NOTES:  
This plat represents a proposed well site and does not represent a true boundary survey. This location has been very carefully staked on the ground according to the latest G.L.O. records, U.S.G.S. maps and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.  
Coordinates shown in (parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distance.

LEGEND

SURFACE HOLE LOCATION =

PROPOSED BOTTOM HOLE LOCATION =

(INFORMATION PROVIDED BY CLIENT)

EXISTING WELL =

(INFORMATION PROVIDED BY OTHERS)

PROPOSED LATERAL =

LICENSED PROFESSIONAL LAND SURVEYOR  
J. Wyatt Bishop  
10-6-17  
1649  
OKLAHOMA

Devon Energy Production Company, LP.  
333 W. Sheridan  
Oklahoma City, OK 73102

devon

Gateway  
Gateway Services Group, LLC

PO. BOX 960  
MEEKER, OK 74855  
OFF. (405) 273-0954  
FAX (405) 273-0580  
C.A. NO. 4091 (LS)  
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY  
HORSEFLY 13\_24-15N-10W 3HX  
285'FNL - 1361'FWL  
SECTIONS 13 & 24, T 15 N - R 10 W, I.M.,  
BLAINE COUNTY, OKLAHOMA

REV.	DWN.	DESCRIPTION	DATE
1	CWP	FIXED NAME	10/03/17
2	MWP	BHL DIMENSION CHANGE	10/05/17

DRAWN BY: CLC  
DATE: 09/18/17  
CHK'D: CWP  
GATEWAY NO.: 17-0576-001R2  
SCALE: 1"=1000'  
DUWI: WAGO2481544  
UFID: AA000152522