API NUMBER: 011 24166

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

Approval Date: 01/29/2019
Expiration Date: 07/29/2020

Horizontal Hole Multi Unit Oil & Gas

Type of Pit System: CLOSED Closed System Means Steel Pits

Is depth to top of ground water greater than 10ft below base of pit? Y

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Pit is not located in a Hydrologically Sensitive Area.

Chlorides Max: 8000 Average: 5000

**Liner not required for Category: C**Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

Wellhead Protection Area?

Category of Pit: C

## PERMIT TO DRILL

/ELL LOCATION:         Sec:         12         Twp:         15N         Rge:         10           POT LOCATION:         NE         SW         SE         SW           Lease Name:         MINNIE HAHA 12_1-15N-10W	FEET FROM QUARTER: FROM SC SECTION LINES: 37	DUTH FROM WEST 0 1750	Well will be 370 feet from nearest unit or lease boundary.
Operator DEVON ENERGY PRODUCTION C Name:		Telephone: 4052353611; 4052353	•
DEVON ENERGY PRODUCTION CO L 333 W SHERIDAN AVE OKLAHOMA CITY, OK	P 73102-5015	ROBERT 8 P.O. BOX 7 MILTON	k KIM MCGRUDER, CO-TRUSTEES 704 FL 32572
Formation(s) (Permit Valid for Listed For	Depth	Name	Depth
1 MISSISSIPPIAN 2 WOODFORD 3 4 5	9201 10626	6 7 8 9 10	
pacing Orders: 594508 587191 586086	Location Exception Ord	ders:	Increased Density Orders: 689878 689879
Pending CD Numbers: 201809638 201809639			Special Orders:
Total Depth: 20287 Ground Elevation: 12	Surface Ca	sing: 1999	Depth to base of Treatable Water-Bearing FM: 60
Under Federal Jurisdiction: No PIT 1 INFORMATION	Fresh Water Su	ipply Well Drilled: No Approved Method for di	Surface Water used to Drill: Yes sposal of Drilling Fluids:

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

H. SEE MEMO

PERMIT NO: 18-35994

## 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 01 Twp 15N Rge 10W County **BLAINE** NW Spot Location of End Point: NW NF NF Feet From: NORTH 1/4 Section Line: 50 Feet From: WEST 1/4 Section Line: 2260

Depth of Deviation: 9075 Radius of Turn: 573

Direction: 5

Total Length: 10312

Measured Total Depth: 20287

True Vertical Depth: 10626

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

Notes:

Category Description

DEEP SURFACE CASING 12/21/2018 - 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 12/21/2018 - 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

INCREASED DENSITY - 689878 1/29/2019 - G75 - 12-15N-10W

X594508 MSSP 3 WELLS NO OP. NAMED 1-16-2019

INCREASED DENSITY - 689879 1/29/2019 - G75 - 1-15N-10W

X587191 MSSP 3 WELLS NO OP. NAMED 1-16-2019 Category Description

INTERMEDIATE CASING 12/21/2018 - 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 12/21/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201809638 1/29/2019 - G75 - (I.O.) 12 & 1-15N-10W

EST MULTIUNIT HORIZONTAL WELL X594508 MSSP, WDFD 12-15N-10W

X587191 MSSP 1-15N-10W X586086 WDFD 1-15N-10W

(WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)

50% 12-15N-10W 50% 1-15N-10W

DEVON ENERGY PROD. CO., L.P. REC 12-10-2018 (M. PORTER)

PENDING CD - 201809639 1/29/2019 - G75 - (I.O.) 12 & 1-15N-10W

X594508 MSSP, WDFD 12-15N-10W

X587191 MSSP 1-15N-10W X586086 WDFD 1-15N-10W

COMPL. INT. (12-15N-10W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (1-15N-10W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL

DEVON ENERGY PROD. CO., L.P. REC 12-10-2018 (M. PORTER)

SPACING - 586086 1/29/2019 - G75 - (640) 1-15N-10W

EST WDFD

SPACING - 587191 1/29/2019 - G75 - (640) 1-15N-10W

VAC 176175 MNNG, MSSSD

VAC 400763 CSTR

EST MSSP

SPACING - 594508 1/29/2019 - G75 - (640) 12-15N-10W

VAC 169866 CSTR

VAC 176175 MNNG, MSSSD

EST OTHERS EXT 587191 MSSP EXT 588547 WDFD



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: MINNIE HAHA 12\_1-15N-10W

WELL NO. 3HX

GOOD DRILL SITE: YES

**BLAINE** \_COUNTY, STATE:<u>OK</u> **GROUND ELEVATION:**1275.90' GR. AT STAKE

SURFACE HOLE FOOTAGE: 1750' FWL - 370' FSL

SECTION: 12 TOWNSHIP: T15N RANGE: R10W

BOTTOM HOLE: 1-T15N-R10W, I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE

TOPOGRAPHY & VEGETATION: LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

AT THE JCT. OF HWY 8 & HWY E, E. 11 MI. TO N 2680 RD. S. 4 MI. TO E 0850 RD. E. 1600 FEET. PAD IS ON N. SIDE OR

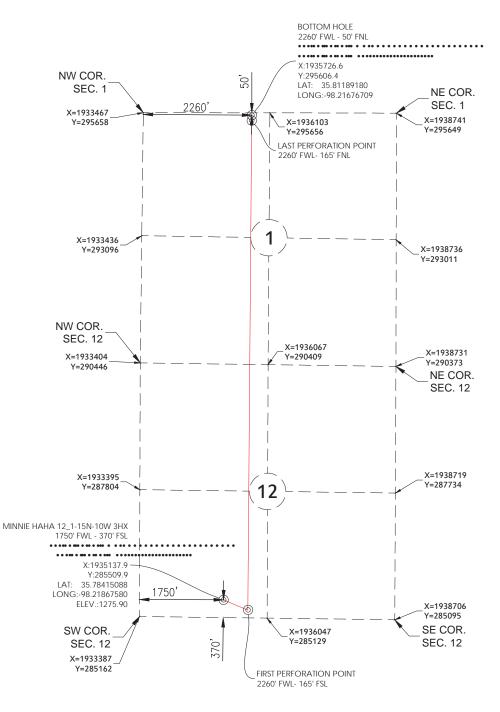
PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RIX-GPS.

NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

QUARTER SECTION DISTANCES MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

API 011-24166

COUNTY, OKLAHOMA <u> 1750' FWL - 370' FSL</u> **SECTION** <u>12</u> **TOWNSHIP** <u>15N</u> **RANGE** <u>10W</u> **I.M**.





SURFACE HOLE DATA STATE PLANE COORDINATES: ZONE: OK-NORTH NAD2

**X**: 1935137.9 **v**⋅ 285509.9

GPS DATUM: NAD27 LAT: <u>35.78415088</u> IONG: -98.21867580

STATE PLANE COORDINATES:

**ZONE**: OK-NORTH NAD83 X: 1903538.4 Y: 285533.6

**GPS DATUM: NAD83** LAT: 35.78419458 LONG: -98.21901635

BOTTOM HOLE DATA STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27 X: 1935726.6 **Y**: 295606.4

GPS DATUM: NAD27 **LAT:** 35.81189180 **LONG**: <u>-98.21</u>676709

STATE PLANE COORDINATES: **ZONE**: OK-NORTH NAD83 X:1904126.9

Y: 295630.1 GPS DATUM: NAD83 LAT: 35.81193478 LONG: <u>-98.21710841</u>

**BOTTOM HOLE** INFORMATION PROVIDED BY OPERATOR LISTED.



**GRAPHIC SCALE IN FEET** 2000 1000 0 2000

REVISION	PART OF THE S	IE HAHA 12_1-15N-10W 3HX' SW/4 OF SECTION 12, T-15-N, PROPOSED DRILL SITE INE COUNTY, OKLAHOMA		V	devon
	SCALE: 1" = 2000' PLOT DATE: 11-30-2018	DRAWN BY:	IJ	SHEET NO.:	1 OF 6