

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

API NUMBER: 017 24980

Approval Date: 03/07/2017  
Expiration Date: 09/07/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 14N Rge: 9W County: CANADIAN  
SPOT LOCATION:  E2  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 330 233

Lease Name: RHINO 8\_5-14N-9W Well No: 1HX Well will be 233 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

OKARCHE RURAL WATER C/O RICHARD ALIG  
P.O. BOX 333  
OKARCHE OK 73762

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

| Name                   | Depth | Name | Depth |
|------------------------|-------|------|-------|
| 1 MISS'AN (EX CHESTER) | 10091 | 6    |       |
| 2                      |       | 7    |       |
| 3                      |       | 8    |       |
| 4                      |       | 9    |       |
| 5                      |       | 10   |       |

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700337  
201700338  
201700339  
201700340

Special Orders:

Total Depth: 20662 Ground Elevation: 1432 Surface Casing: 660 Depth to base of Treatable Water-Bearing FM: 410

Under Federal Jurisdiction: Yes 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32210

Chlorides Max: 5000 Average: 3000

H. SEE MEMO

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

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

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

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? Y

Wellhead Protection Area? Y

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 05 Twp 14N Rge 9W County CANADIAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 9614

Radius of Turn: 477

Direction: 359

Total Length: 10299

Measured Total Depth: 20662

True Vertical Depth: 10091

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

Notes:

Category

Description

HYDRAULIC FRACTURING

2/23/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INTERMEDIATE CASING

2/23/2017 - 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

MEMO

2/23/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201700337

2/28/2017 - G75 - (640)(HOR) 5-14N-9W  
VAC 641050 MSSP  
EXT 641963 MSNLC  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 185925 MSSSD)  
REC 2-14-2017 (DUNN)

PENDING CD - 201700338

2/28/2017 - G75 - (640)(HOR) 8-14N-9W  
VAC 641050 MSSP  
EXT 641963 MSNLC  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 197693 MSSSD)  
REC 2-14-2017 (DUNN)

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.

| Category                  | Description   |
|---------------------------|---|
| PENDING CD - 201700339    | 2/28/2017 - G75 - (I.O.) 8 & 5-14N-9W<br>EST MULTIUNIT HORIZONTAL WELL<br>X201700337 MSNLC 5-14N-9W<br>X201700338 MSNLC 8-14N-9W<br>50% 8-14N-9W<br>50% 5-14N-9W<br>DEVON ENERGY PROD. CO., L.P.<br>REC 2-14-2017 (DUNN)  |
| PENDING CD - 201700340    | 2/28/2017 - G75 - (I.O.) 8 & 5-14N-9W<br>X201700337 MSNLC 5-14N-9W<br>X201700338 MSNLC 8-14N-9W<br>X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO AN EXISTING WELL BORE<br>COMPL. INT. (8-14N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL<br>COMPL. INT. (5-14N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL<br>DEVON ENERGY PROD. CO., L.P.<br>REC 2-14-2017 (DUNN) |
| PUBLIC WATER SUPPLY WELLS | 2/23/2017 - G71 - OKARCHE, 2 PWS/WPA, NE4 17-14N-9W   |

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Office of the Conservation Division as to when Surface Casing will be run.



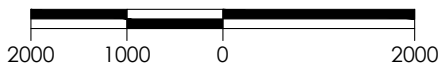
**OPERATOR:** DEVON ENERGY PRODUCTION COMPANY, L.P.  
**LEASE NAME:** RHINO 8\_5-14N-9W  
**WELL NO.** 1HX  
**GOOD DRILL SITE:** YES  
**CANADIAN COUNTY, STATE:** OK  
**GROUND ELEVATION:** 1432.55 GR. AT STAKE  
**SURFACE HOLE FOOTAGE:** 233' FEL - 330' FSL  
**SECTION:** 8 **TOWNSHIP:** T14N **RANGE:** R9W  
**BOTTOM HOLE:** 5-T14N-R9W I.M.  
**DISTANCE TO NEAREST WELL:** 3811'  
**HUBBARD 2-8 API#** 3501722630

**ACCESSIBILITY TO LOCATION:** FROM SOUTH LINE  
**TOPOGRAPHY & VEGETATION:** LOCATION FELL IN THE CORNER OF A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:** 7.3 MI NNW OF CALUMET AT THE JCT. OF US 270 & CALUMET RD ON THE NORTH SIDE OF CALUMET, NORTH 6.5 MI ON CALUMET RD TO 220TH STREET NW, WEST 3 MI TO INTER WITH MAPLE RD, SITE IS NW OF INTER.

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 RTK-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.

GRAPHIC SCALE IN FEET



**SURFACE HOLE DATA**

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X:** 1948861.8

**Y:** 253794.0

**GPS DATUM:** NAD27

**LAT:** 35.69709611

**LONG:** -98.17221732

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1917263.0

**Y:** 253817.8

**GPS DATUM:** NAD83

**LAT:** 35.69714242

**LONG:** -98.17255425

**BOTTOM HOLE DATA**

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X:** 1948739.2

**Y:** 263937.0

**GPS DATUM:** NAD27

**LAT:** 35.72496071

**LONG:** -98.17269119

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1917140.2

**Y:** 263960.8

**GPS DATUM:** NAD83

**LAT:** 35.72500624

**LONG:** -98.17302867

**FIRST PERFORMANCE DATA**

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X:** 1948714.5

**Y:** 253629.7

**GPS DATUM:** NAD27

**LAT:** 35.69664405

**LONG:** -98.17271238

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1917115.7

**Y:** 253653.5

**GPS DATUM:** NAD83

**LAT:** 35.69669038

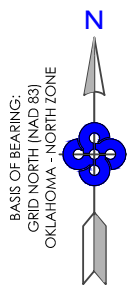
**LONG:** -98.17304931

**BOTTOM HOLE INFORMATION**

PROVIDED BY OPERATOR LISTED.

**BASIS OF ELEVATION:**  
 TOPO ELEVATION = 1433.87'  
 AT SW COR. SECTION 8, T14N-R9W  
 TOPO ELEVATION = 1433.40'  
 AT SE COR. SECTION 8, T14N-R9W  
 TOPO ELEVATION = 1402.77'  
 AT NE COR. SECTION 8, T14N-R9W

**CERTIFICATION:**  
 THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.



**LAST PERFORMANCE DATA**

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X:** 1948738.9

**Y:** 263822.0

**GPS DATUM:** NAD27

**LAT:** 35.72464477

**LONG:** -98.17269156

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1917139.9

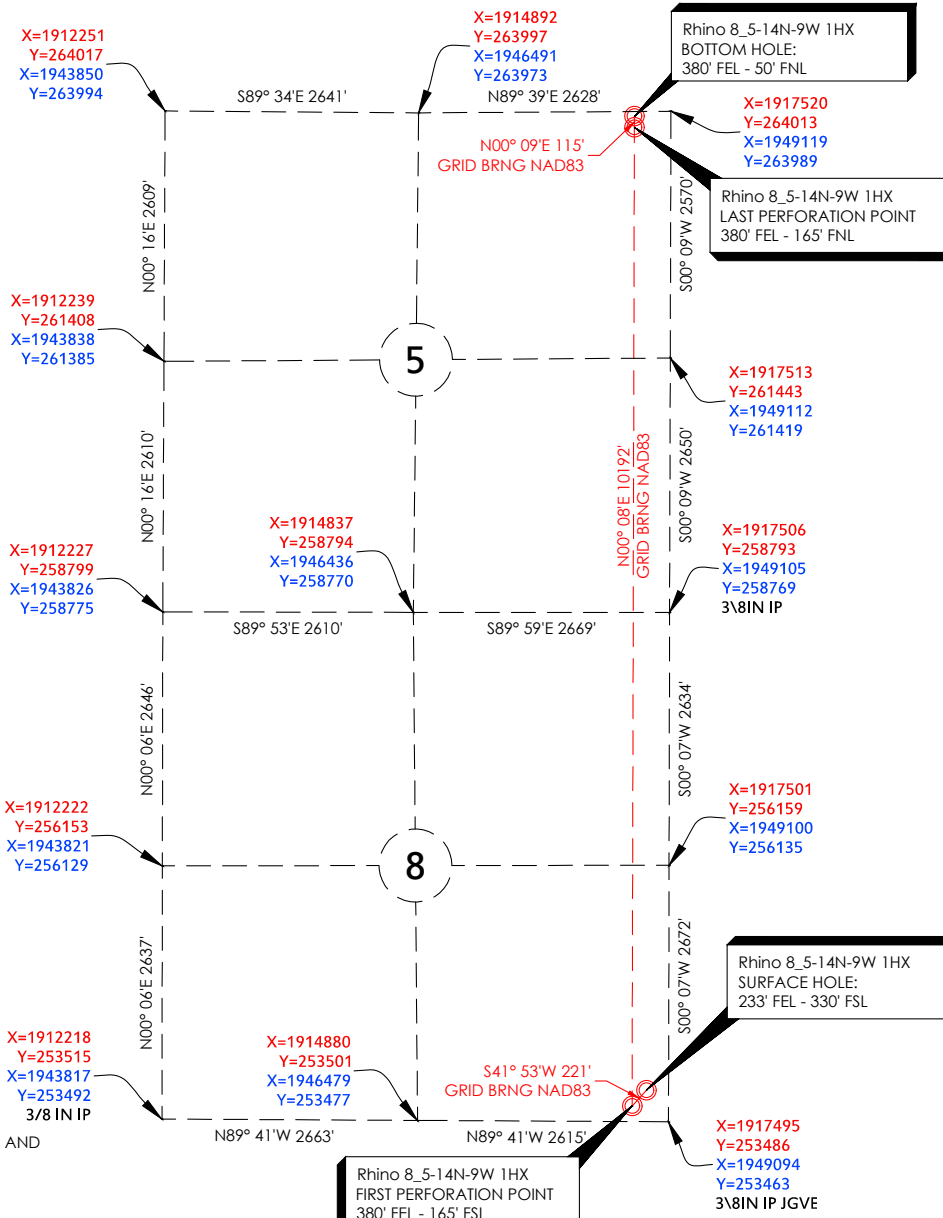
**Y:** 263845.8

**GPS DATUM:** NAD83

**LAT:** 35.72469031

**LONG:** -98.17302903

API 017-24980



DENVER WINCHESTER PLS 1952



Rhino 8\_5-14N-9W 1HX

REVISION DATE:

|   |   |
|---|---|
| - | - |
|   |   |
|   |   |
|   |   |

PART OF THE SE/4 OF SECTION 8, T14N, R9W WELL LOCATION EXHIBIT CANADIAN COUNTY, OKLAHOMA



214 East Main  
 Oklahoma City, OK 73104  
 405.787.6270 + 405.787.6276 f  
 www.craftontull.com

**Crafton Tull**  
 SURVEYING  
 CERTIFICATE OF AUTHORIZATION:  
 CA 973 (PE/LS) EXPIRES 6/30/2018

SCALE: 1" = 2000'  
 PLOT DATE: 12-19-2016

DRAWING: 16601744-WELL  
 DRAWN BY: DW

SHEET NO.: 1 OF 2