

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

API NUMBER: 011 23857

Approval Date: 09/15/2017  
Expiration Date: 03/15/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 17N Rge: 10W County: BLAINE  
SPOT LOCATION:  NW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 291 1601

Lease Name: SONOYTA 23\_26-17N-10W Well No: 2HX Well will be 291 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

ROBERT & JUDY SCHAFFLER  
512 CHISOLM TRAIL  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8764	6	
2 WOODFORD	9802	7	
3		8	
4		9	
5		10	

Spacing Orders: 644205  
646469  
589386

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705432  
201705431  
201705427  
201705429

Special Orders:

Total Depth: 19459 Ground Elevation: 1217 **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**

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: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33120  
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: CHICKASHA

HORIZONTAL HOLE 1

Sec 26 Twp 17N Rge 10W County BLAINE

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2225

Depth of Deviation: 8927

Radius of Turn: 477

Direction: 177

Total Length: 9783

Measured Total Depth: 19459

True Vertical Depth: 9802

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

Notes:

Category

Description

DEEP SURFACE CASING

9/8/2017 - 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

9/8/2017 - 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)

INTERMEDIATE CASING

9/8/2017 - 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

9/8/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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 - 201705427	9/14/2017 - G64 - 23-17N-10W X664205 MSSP, WDFD 2 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 9-5-2017 (DUNN)
PENDING CD - 201705429	9/14/2017 - G64 - 26-17N-10W X646469 MSSP X589386 WDFD 2 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 9-5-2017 (DUNN)
PENDING CD - 201705431	9/14/2017 - G64 - (I.O.) 23 & 26-17N-10W EST MULTIUNIT HORIZONTAL WELL X644205 MSSP, WDFD 23-17N-10W X646469 MSSP 26-17N-10W X589386 WDFD 26-17N-10W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 23-17N-10W 50% 26-17N-10W DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 9-5-2017 (DUNN)
PENDING CD - 201705432	9/14/2017 - G64 - (I.O.) 23 & 26-17N-10W X644205 MSSP, WDFD 23-17N-10W X646469 MSSP 26-17N-10W X589386 WDFD 26-17N-10W COMPL. INT. (23-17N-10W) NCT 165' FNL, NCT 0' FSL, NCT 2225' FWL COMPL. INT. (26-17N-10W) NCT 0' FNL, NCT 165' FSL, NCT 2225' FWL DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 9-5-2017 (DUNN)
SPACING - 589836	9/14/2017 - G64 - (320/640)(HOR) 26-17N-10W VAC 411438 CSTR, MNNG, MSSSD (E2) EST (320) MSSP (E2) (VAC BY 646469) EST (640) WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 644205	9/14/2017 - G64 - (640)(HOR) 23-17N-10W VAC 382406 MCSTR, MSSSD (W2) VAC OTHER EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 382406 MCSTR, MSSSD E2)
SPACING - 646469	9/14/2017 - G64 - (640)(HOR) 26-17N-10W VAC 411438 CSTR, MNNG (NW4) VAC 411438 MSSSD (E2 NW4) VAC 589836 MSSP EST MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 411438 MSSSD W2 NW4)

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.



300 Pointe Parkway Blvd.  
Yukon, OK 73099  
405.787.6270 t 405.787.6276 f  
www.craftontull.com  
**Crafton Tull**  
SURVEYING CA973(PE/LS) Exp. 6/30/18

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: SONOYTA 23\_26-17N-10W

WELL NO. 2HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1217.61' GR. AT STAKE

SURFACE HOLE FOOTAGE: 1601' FWL - 291' FNL

SECTION: 23 TOWNSHIP: T17N RANGE: R10W

BOTTOM HOLE: 26-T17N-R10W.I.M.

ACCESSIBILITY TO LOCATION: FROM NORTH LINE

TOPOGRAPHY & VEGETATION: \_\_\_\_\_

LOCATION FELL IN A FIELD \_\_\_\_\_

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: \_\_\_\_\_

FROM THE TOWN OF HITCHCOCK HEAD SOUTH ON OK-8

±1.5M TO E740RD, HEAD EAST ±6.0M TO THE INTER. OF

E740RD AND N2670RD, HEAD EAST ±0.3M, PAD SITE IS

SOUTH OF ROAD.

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.



**SURFACE HOLE DATA**

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1929010.4

Y: 342752.1

GPS DATUM: NAD27

LAT: 35.94136703

LONG: -98.23981038

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1897410.0

Y: 342775.6

GPS DATUM: NAD83

LAT: 35.94140631

LONG: -98.24015549

**BOTTOM HOLE DATA**

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1929633.3

Y: 332511.8

GPS DATUM: NAD27

LAT: 35.91323915

LONG: -98.23762174

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1898033.0

Y: 332535.3

GPS DATUM: NAD83

LAT: 35.91327922

LONG: -98.23796626

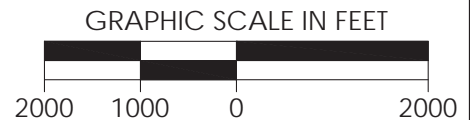
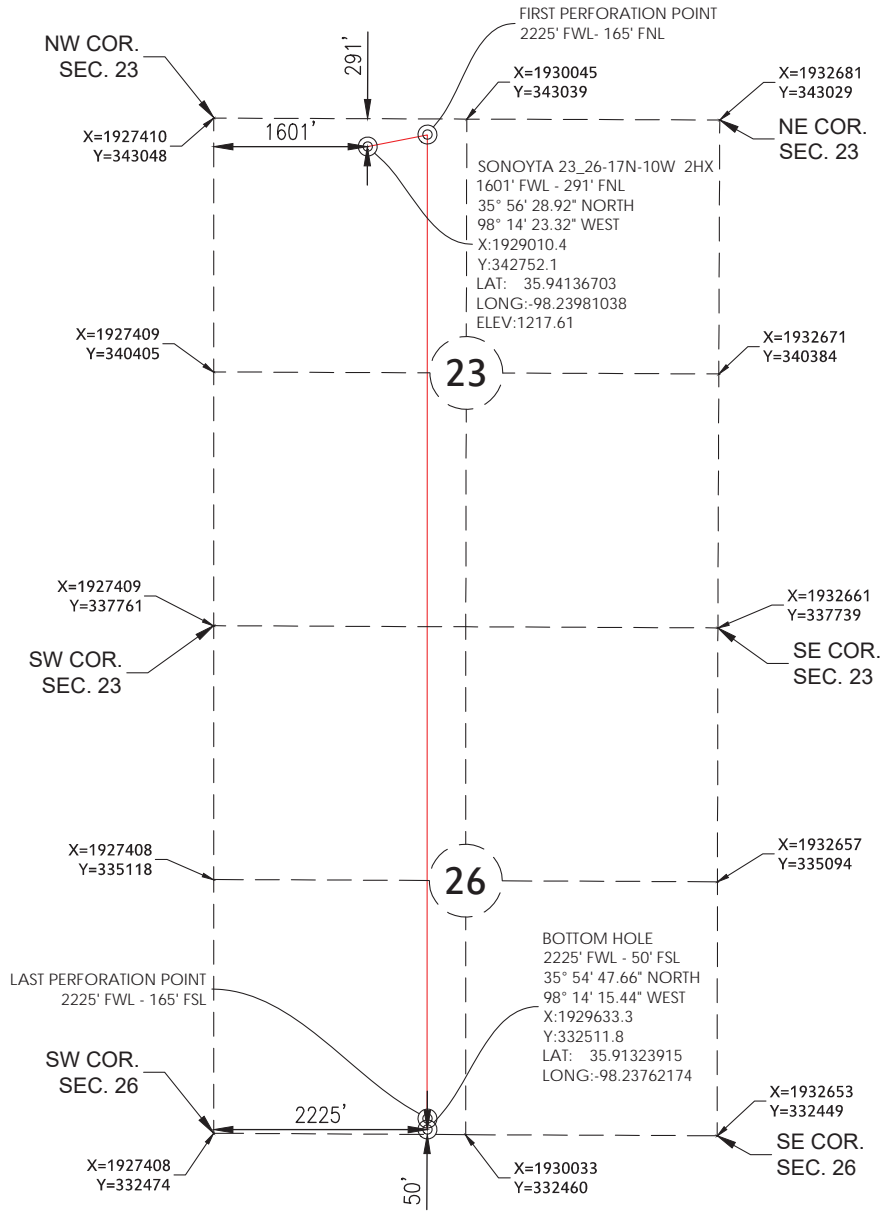
BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.

Date: 2017.08.16 14:10:02-05'00'



BLAINE COUNTY, OKLAHOMA  
1601' FWL - 291' FNL SECTION 23 TOWNSHIP 17N RANGE 10W I.M.

API: 011 23857



REVISION	"SONOYTA 23_26-17N-10W 2HX"		
	PART OF THE NW/4 OF SECTION 23, T-17-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	PLOT DATE: 08-16-2017	DRAWN BY: SQ SHEET NO.: 1 OF 6