

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

API NUMBER: 011 23919 A

Approval Date: 01/18/2018

Expiration Date: 07/18/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION & GROUND  
ELEVATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 16N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 271 1170

Lease Name: PINKERTON 23-16N-12W

Well No: 1H

Well will be 271 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 & RUTH ANN SWAIM  
256017 E. 800 RD.  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9419	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 585991

Location Exception Orders:

Increased Density Orders: 670785

Pending CD Numbers: 201705751

Special Orders:

Total Depth: 15523

Ground Elevation: 1492

**Surface Casing: 460**

Depth to base of Treatable Water-Bearing FM: 210

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-33681

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

## HORIZONTAL HOLE 1

Sec 23 Twp 16N Rge 12W County BLAINE

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1260

Depth of Deviation: 9690

Radius of Turn: 477

Direction: 181

Total Length: 5084

Measured Total Depth: 15523

True Vertical Depth: 10689

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

### Notes:

#### Category

#### Description

#### HYDRAULIC FRACTURING

1/4/2018 - 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](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 - 670785

1/9/2018 - G75 - 23-16N-12W  
X585991 MSSP, OTHER  
1 WELL  
DEVON ENERGY PROD. CO., L.P.  
12-5-2017

#### INTERMEDIATE CASING

1/4/2018 - 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

1/4/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS 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.

011 23919 PINKERTON 23-16N-12W 1H

Category	Description
PENDING CD - 201705751	1/9/2018 - G75 - (I.O.) 23-16N-12W X585991 MSSP, OTHER COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 10-24-2017 (MILLER)
SPACING - 585991	1/9/2018 - G75 - (640) 23-16N-12W VAC 221573 CSTR EXT OTHER EST MSSP, OTHER





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:PINKERTON 23-16N-12W

WELL NO. 1H

GOOD DRILL SITE:YES

BLAINE COUNTY, STATE:OK

GROUND ELEVATION:1492.25' GR. AT STAKE

SURFACE HOLE FOOTAGE:1170' FEL - 271' FNL

SECTION: 23 TOWNSHIP:T16N RANGE:R12W

BOTTOM HOLE:23-T16N-R12W,I.M.

ACCESSIBILITY TO LOCATION:FROM NORTH LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

AT THE JCT. OF OK-8 & OK-3 HEAD NORTH 1.0MI± TO

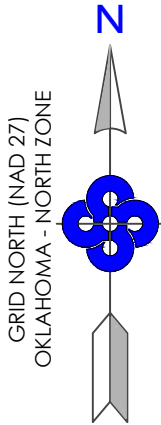
AIRPORT ROAD, HEAD WEST 1.0MI± TO N2560, HEAD WEST  
ALONG E800RD 0.15MI±, PAD SITE IS SOUTH OF THE ROAD.

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.

API 011-23919 A

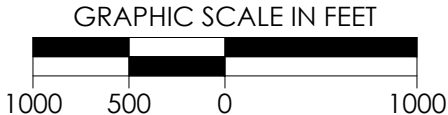
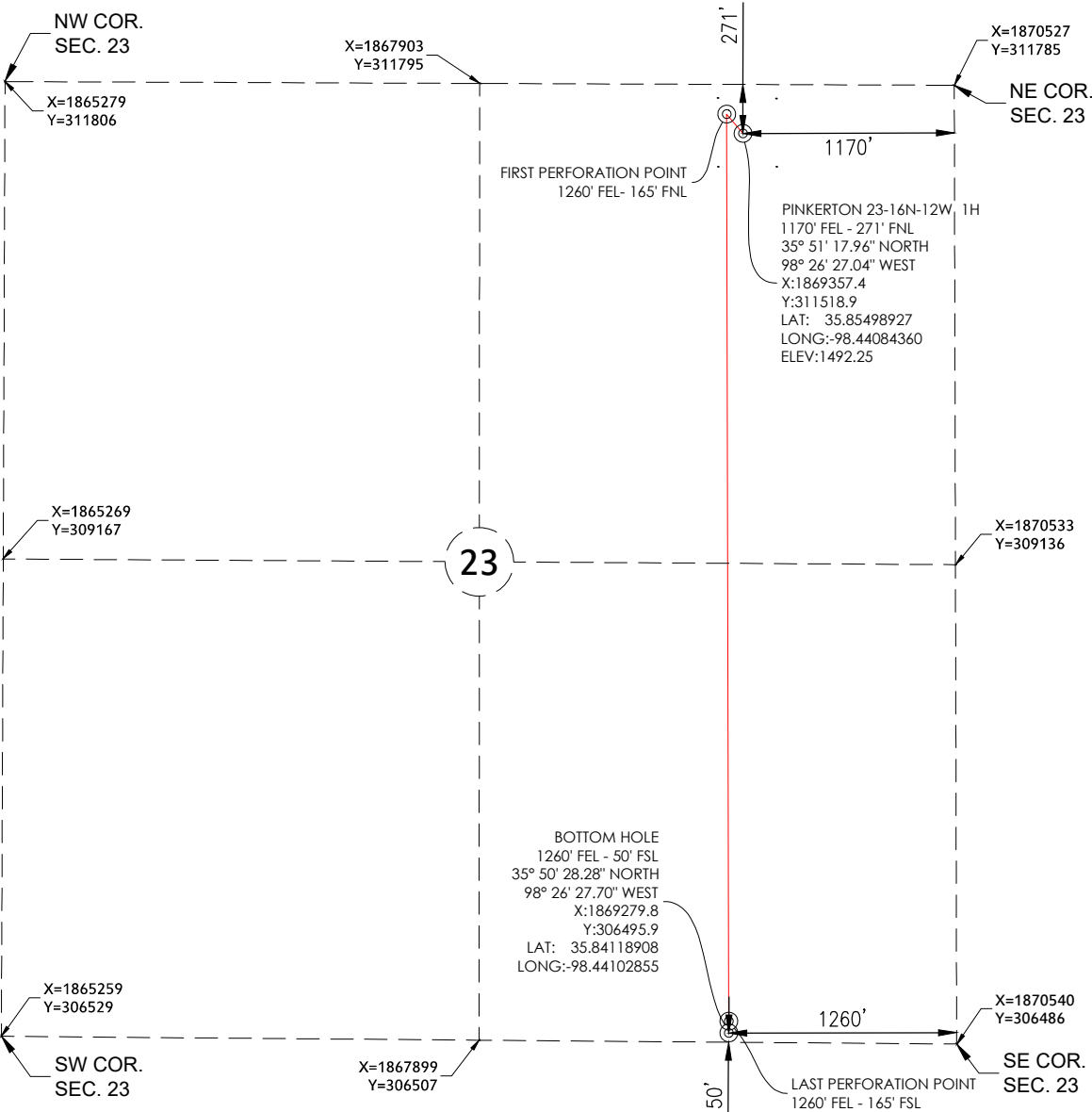



BLAINE COUNTY, OKLAHOMA  
1170' FEL - 271' FNL SECTION 23 TOWNSHIP 16N RANGE 12W I.M.

**SURFACE HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1869357.4  
**Y:** 311518.9  
**GPS DATUM:** NAD27  
**LAT:** 35.85498927  
**LONG:** -98.44084360  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1837756.4  
**Y:** 311543.3  
**GPS DATUM:** NAD83  
**LAT:** 35.85503246  
**LONG:** -98.44119518

**BOTTOM HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1869279.8  
**Y:** 306495.9  
**GPS DATUM:** NAD27  
**LAT:** 35.84118908  
**LONG:** -98.44102855  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1837678.7  
**Y:** 306570.3  
**GPS DATUM:** NAD83  
**LAT:** 35.84136999  
**LONG:** -98.44138094

BOTTOM HOLE  
INFORMATION PROVIDED  
BY OPERATOR LISTED.



REVISION		"PINKERTON 23-16N-12W 1H"			 <b>devon</b>
R1	SHL SHIFT				
		PART OF THE NE/4 OF SECTION 23, T-16-N, R-12-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA			
		SCALE: 1" = 1000'		SHEET NO.: 1 OF 6	
		PLOT DATE: 02-05-2018			
		DRAWN BY:		SQ	