

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

API NUMBER: 011 23638

Approval Date: 08/17/2016  
Expiration Date: 02/17/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 16N Rge: 10W County: BLAINE  
SPOT LOCATION:  SE  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 445 250

Lease Name: CHISHOLM TRAIL 19\_18-16N-9W Well No: 1HX Well will be 250 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

CARL VAREN BARNES AND BECKY K BARNES  
31800 SOUTH 598 RIDGE  
GROVE OK 74344

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8710	6	
2	WOODFORD	10075	7	
3	HUNTON	10155	8	
4			9	
5			10	

Spacing Orders: 645633  
646388

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603041

Special Orders:

Total Depth: 20805

Ground Elevation: 1214

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 240

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: 16-31453

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 18 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 9583

Radius of Turn: 478

Direction: 3

Total Length: 10471

Measured Total Depth: 20805

True Vertical Depth: 11000

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

Notes:

Category

Description

DEEP SURFACE CASING

7/28/2016 - 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

7/28/2016 - 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

7/28/2016 - 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

7/28/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201603041

7/29/2016 - G60 - (I.O.) 18 & 19-16N-9W  
X645633 MSSP, WDFD, HNTN  
COMPL. INT. (19-16N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL  
COMPL. INT. (18-16N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL  
DEVON ENERGY PRODUCTION COMPANY, L.P.  
REC. 8-16-16 (COLAW)

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
SPACING - 645633	<p>7/28/2016 - G60 - (640)(HOR) 18 &amp; 19-16N-9W  VAC 96892 MNNG SW4 18-16N-9W  VAC 245726/245964 MNNG SW4 19-16N-9W  EXT 637157 MSSP, WDFD, HNTN  COMPL. INT. (MSSP, HNTN) NCT 660' FB  COMPL. INT. (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  (COEXIST WITH  SP. ORDER 96892 MNNG N2, SE4 18-16N-9W;  SP. ORDER 96892 MCSTR, MSSD 18-16N-9W;  SP. ORDER 168134/169097 HNTN 18-16N-9W;  SP. ORDER 245726/245964 MNNG NE4 SE4 19-16N-9W;  SP. ORDER 232014 MNNG NW4 19-16N-9W;  SP. ORDER 168134/169097 MSSD, HNTN 19-16N-9W;  SP. ORDER 245726/245964 CSTRU NE4 S2 19-16N-9W;  SP. ORDER 232014 CSTRU NW4 19-16N-9W)</p>
SPACING - 646388	<p>7/29/2016 - G60 - (I.O.) 18 &amp; 19-16N-9W  EST MULTIUNIT HORIZONTAL WELL  X645633 MSSP, WDFD, HNTN  50% 19-16N-9W  50% 18-16N-9W  (WDFD AND HNTN ARE ASSOCIATED COMMON SOURCES OF SUPPLY TO MSSP)  FELIX ENERGY, LLC. (BOUGHT IN ITS ENTIRETY BY DEVON ENERGY PRODUCTION CO. L.P.)  10-27-16</p>

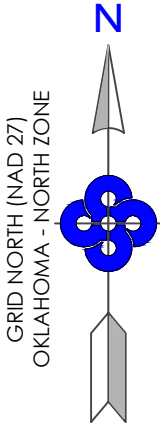
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214 East Main  
Oklahoma City, OK 73104  
405.787.6270 t 405.787.6276 f  
www.craftontull.com

**Crafton Tull**

SURVEYING CA973(PE/LS) Exp. 6/30/18



**SURFACE HOLE DATA**  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD27  
X: 1938514.5  
Y: 305753.5  
GPS DATUM: NAD27  
LAT: 35.83978476  
LONG: -98.20743776  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD83  
X: 1906914.8  
Y: 305753.5  
GPS DATUM: NAD83  
LAT: 35.83982700  
LONG: -98.20777918  
**BOTTOM HOLE DATA**  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD27  
X: 1939138.4  
Y: 316686.1  
GPS DATUM: NAD27  
LAT: 35.86982258  
LONG: -98.20541085  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD83  
X: 1907538.5  
Y: 316709.8  
GPS DATUM: NAD83  
LAT: 35.86986401  
LONG: -98.20575290  
**P.I. DATA**  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD27  
X: 1939138.4  
Y: 316686.1  
GPS DATUM: NAD27  
LAT: 35.86982258  
LONG: -98.20541085  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD83  
X: 1907544.8  
Y: 305775.9  
GPS DATUM: NAD83  
LAT: 35.83982737  
LONG: -98.20565366  
BOTTOM HOLE  
INFORMATION PROVIDED  
BY OPERATOR LISTED.

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

API: 011-23638

LEASE NAME: CHISHOLM TRAIL 19\_18-16N-9W

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:  
AT THE JCT. OF US-270 & OK-3, HEAD EAST ON OK-3 12MI, SITE IS LOCATED ON THE SW CORNER OF INTER WITH N2690 RD.

WELL NO. 1HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1214.45' GR. AT STAKE

SURFACE HOLE FOOTAGE: 250' FEL - 445' FNL

SECTION: 25 TOWNSHIP: T16N RANGE: R10W

BOTTOM HOLE: 18-T16N-R9W, I.M.

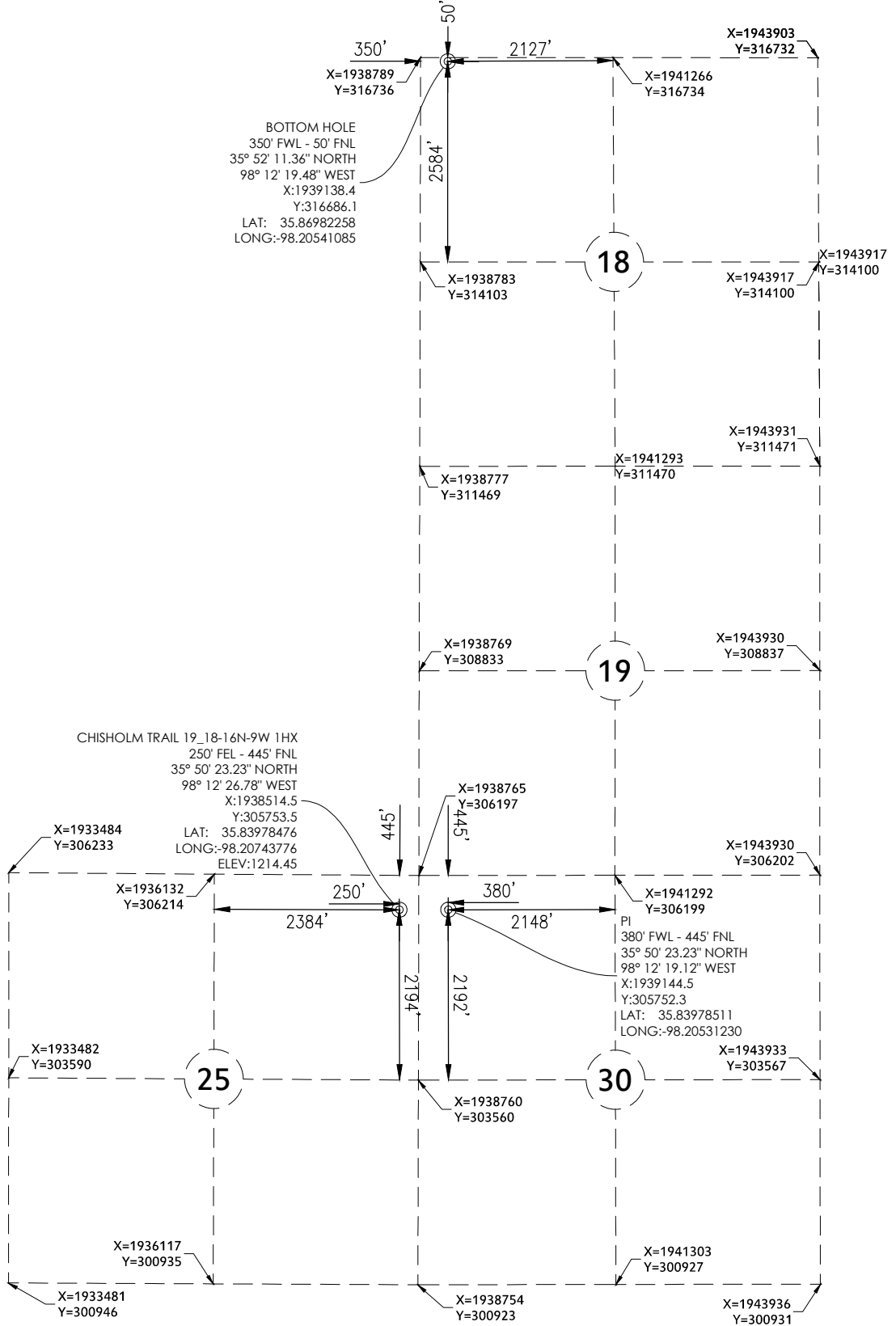
ACCESSIBILITY TO LOCATION: FROM EAST LINE

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

LOCATION FELL IN A FIELD

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.

BLAINE COUNTY, OKLAHOMA  
250' FEL - 445' FNL SECTION 25 TOWNSHIP 16N RANGE 10W I.M.



GRAPHIC SCALE IN FEET



REVISION	"CHISHOLM TRAIL 19_18-16N-9W 1HX"		
	PART OF THE NE/4 OF SECTION 25, T-16-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	DRAWN BY: DW	SHEET NO.: 1 OF 6
	PLOT DATE: 07-13-2016		