API NUMBER: 073 25361

Oil & Gas

Horizontal Hole

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

Approval Date: 08/18/2016
Expiration Date: 02/18/2017

PERMIT TO DRILL

	R	GFISHER	: KIN	County	: 9W	Rge:	15N	Twp:	16	Sec:	WELL LOCATION:
FROM WEST	ГН	SOUTH	FROM	FEET FROM QUARTER:		SW	SW		sw	SE	SPOT LOCATION:
620		275		SECTION LINES:							

Lease Name: HAROLD 16_9-15N-9W Well No: 1HX Well will be 275 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

HAROLD & JUDY BERNHARDT, COTRTEES OF HAROLD & JUDY BERNHARDT

1913 EAST 860 ROAD

KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8965	6	
2	WOODFORD	10385	7	
3			8	
4			9	
5			10	
Spacing Orders:	No Spacing	Location Exception Orders:		Increased Density Orders:

Pending CD Numbers: 201602991 Special Orders:

201602990 201602992 201602993

Total Depth: 19024 Ground Elevation: 1248 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 420

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

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

Chlorides Max: 5000 Average: 3000

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31497

H. SEE MEMO

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 09 Twp 15N 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: 8482 Radius of Turn: 477 Direction: 358

Total Length: 9793

Measured Total Depth: 19024

True Vertical Depth: 10385

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

Notes:

Category Description

DEEP SURFACE CASING 8/15/2016 - 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 8/15/2016 - 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/ 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 8/15/2016 - 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 8/15/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201602990 8/15/2016 - G64 - (640)(HOR) 16-15N-9W

EXT 642679 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

(COEXIST SP. ORDER #184137 MSSSD, ORDER #137756 MNNG, ORDER #61960 CSTRU)

REC. 8-16-2016 (COLAW)

Category Description

PENDING CD - 201602991 8/15/2016 - G64 - (640)(HOR) 9-15N-9W

EXT 652808 MSSP, WDFD

POE TO BHL (MSSP) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

(COEXIST SP. ORDER #52689 MCSTR & ORDER #277176 MRMC, OSGE)

REC. 8-16-2016 (COLAW)

PENDING CD - 201602992 8/15/2016 - G64 - (I.O.) 16 & 9-15N-9W

EST MULTIUNIT HORIZONTAL WELL

X201602991 MSSP, WDFD X201602990 MSSP, WDFD

(WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP)

50% 16-15N-9W 50% 9-15N-9W

DEVON ENERGY PROD. CO., L.P.

REC. 8-16-2016 (COLAW)

PENDING CD - 201602993 8/15/2016 - G64 - (I.O.) 16 & 9-15N-9W

X201602990 MSSP, WDFD X201602991 MSSP, WDFD SHL (16-15N-9W) SW4

COMPL. INT. (16-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (9-15N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

NO OP. NAMÈD

REC. 8-16-2016 (COLAW)

214 East Main Oklahoma City, OK 73104 40.5 787 6270 t 40.5 787 6276 f www.craftontull.com Crafton Tull OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: HAROLD 16_9-15N-9W

WELL NO. 1HX

GOOD DRILL SITE: YES KINGFISHER COUNTY, STATE:OK

GROUND ELEVATION:1248.50' GR. AT STAKE SURFACE HOLE FOOTAGE: 628' FWL - 275' FSL

SECTION: 16 TOWNSHIP: T15N RANGE: R9W

BOTTOM HOLE:9-T15N-R9W,I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE

TOPOGRAPHY & VEGETATION: LOCATION FELL IN A FIELD

OBSERVED FROM RIK-GPS.

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

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.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

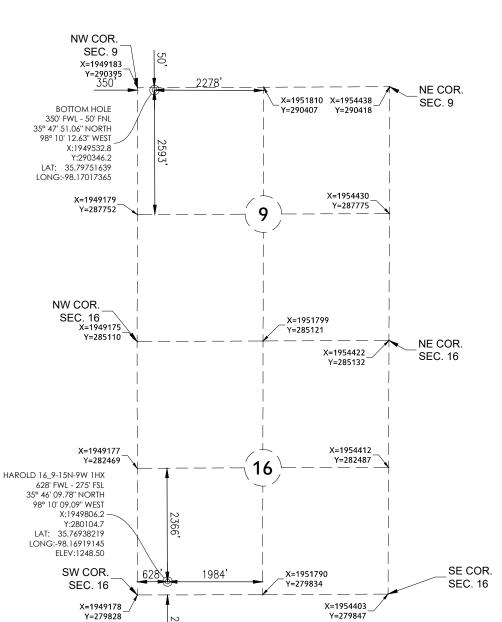
AT THE JCT. OF US-81 AND E0890 RD, HEAD WEST 10MI TO

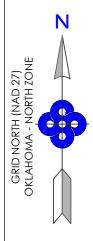
N2720RD, HEAD NORTH 3 MI TO E0860 RD, WEST 0.9MI, SITE

IS ON NORTH SIDE OF ROAD

COUNTY, OKLAHOMA <u>KINGFISHER</u> 628' FWL - 275' FSL SECTION 16 TOWNSHIP 15N RANGE 9W I.M.

API: 073-25361





SURFACE HOLE DATA STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27 X: 1949806.2

GPS DATUM: NAD27 LAT: <u>35.76938219</u> LONG: -98.16919145

STATE PLANE COORDINATES: ZONE: OK-NORTH NAD8

X: 1918207.1

GPS DATUM: NAD83 LAT: <u>35.76942650</u> **LONG**: -98.16952970

BOTTOM HOLE DATA
STATE PLANE COORDINATES: **ZONE:** OK-NORTH NAD2

X: 1949532.8 Y: 290346.2

GPS DATUM: NAD27 **LAT:** 35.79751639 LONG: <u>-98.17017365</u>

STATE PLANE COORDINATES: ZONE: OK-NORTH NAD83

X: 1917933.3 **Y**: 290369.8

GPS DATUM: NAD83 LAT: 3 LONG: -98.17051320 **BOTTOM HOLE**

INFORMATION PROVIDED BY OPERATOR LISTED.



GRAPHIC SCALE IN FEET 2000 1000 0 2000

REVISION	"H <i>A</i>				
	PART OF THE	devon			
	CCALE: 1" 0000"				
	SCALE: 1" = 2000' PLOT DATE: 07-21-2016	DRAWN BY:	DW	SHEET NO.:	1 OF 6