API NUMBER: 073 26092 Α

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

Approval Date: 06/08/2018 12/08/2018 Expiration Date:

20751 0

Horizontal Hole Oil & Gas

Amend reason: CHANGE TO HORIZONTAL OIL/GAS WELL

## AMEND PERMIT TO DRILL

Telephone: 4052353611; 4052353

WELL LOCATION:	Sec:	07	Twp:	15N	Rge:	8W	County	: KINC	SFISHER		
SPOT LOCATION:	SW		sw s	W	SE		FEET FROM QUARTER:	FROM	SOUTH	FROM	EAST
							SECTION LINES:		225		2368
Lease Name: SAFARI 7 6-15N-8W					We	ell No:	7HX				

**DEVON ENERGY PRODUCTION CO LP** Operator Name:

Well will be 225 feet from nearest unit or lease boundary.

OTC/OCC Number:

DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE

OKLAHOMA CITY. OK 73102-5015 ARNOLD L. SMITH, TRUSTEE 20009 NORTH AIRPORT ROAD

**OKARCHE** OK 73762

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9334 6		
2		7		
3		8		
4		9		
5		10		
Spacing Orders:	634508	Location Exception Orders:		Increased Density Orders:

Pending CD Numbers: 201804116

Total Depth: 19394 Ground Elevation: 1152 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: 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: 5000 Average: 3000 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?

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: 18-34482

Special Orders:

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 06 Twp 15N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NW NE
Feet From: NORTH 1/4 Section Line: 50
Feet From: EAST 1/4 Section Line: 1990

Depth of Deviation: 8857 Radius of Turn: 477

Direction: 2

Total Length: 9788

Measured Total Depth: 19394

True Vertical Depth: 9334

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

Notes:

Category Description

DEEP SURFACE CASING 6/1/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 6/18/2018 - 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; 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

INTERMEDIATE CASING 6/1/2018 - 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 6/1/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

Category Description

6/18/2018 - G75 - (E.O.) 6-15N-8W X634508 MSSP \*\* PENDING CD - 201804111

4 WELLS

DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)

\*\* S/B X634508/201804578 MSSP: TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR

REVIEW PER ATTORNEY FOR OPERATOR

PENDING CD - 201804112 6/18/2018 - G75 - (E.O.) 7-15N-8W

X634508 MSSP \*\*

4 WELLS

DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)

\*\* S/B  $\times$  X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR

REVIEW PER ATTORNEY FOR OPERATOR

PENDING CD - 201804116 6/18/2018 - G75 - (E.O.) 7 & 6-15N-8W

EST MULTIUNIT HORIZONTAL WELL

X634508 MSSP \*\* 50% 7-15N-8W 50% 6-15N-8W

DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)

\*\* S/B X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR

REVIEW PER ATTORNEY FOR OPERATOR

6/18/2018 - G75 - (E.O.) 7 & 6-15N-8W X634508 MSSP \*\* PENDING CD - 201804178

X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' FROM EXISTING/PROPOSED WELLS

COMPL. INT. (7-15N-8W) NCT 165' FSL, NCT 0' FNL, NCT 1650' FEL COMPL. INT. (6-15N-8W) NCT 0' FSL, NCT 165' FNL, NCT 1650' FEL

DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)

\*\* S/B X634508/201804578 MSSP: TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR

REVIEW PER ATTORNEY FOR OPERATOR

PENDING CD - 201804578 6/18/2018 - G75 - MODIFY 634508 TO VAC SP. ORDER # 91355 MNNG N2. SE4. E2 SW4 6-15N-

8W & COEXIST SP. ORDER # 91355 MNNG W2 SW4 6-15N-8W

HEARING 7-3-2018 (OK'D PER HULLINGER)

**SPACING - 634508** 6/18/2018 - G75 - (640)(HOR) 7 & 6-15N-8W

VAC 91355 MNNG 6-15N-8W \*\*

VAC 91355 MISS E2 NW4, E2 SW4, W2 NE4, SE4 6-15N-8W

**EST MSSP** 

POE TO BHL NCT 660' FB

(COEXIST SP. ORDER # 141175 CSTCU, MGLCS, MSSSD 7-15N-8W; ORDER # 91355 MISS W2

NW4, W2 SW4, E2 NE4 6-15N-8W) ++

\*\* S/B VAC 91355 MNNG N2, SE4, E2 SW4 6-15N-8W; CORRECTED BY CD # 201804578

++ SHOULD INCLUDE COEXIST ORDER # 91355 MNNG W2 SW4 6-15N-8W; CORRECTED BY CD

# 201804578

300 Pointe Parkway Blvd. Yukon, OK 73099 405.787.6270 † 405.787.6276 f www.craftontull.com Crafton Tull

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P. LEASE NAME:SAFARI 7\_6-15N-8W

WELL NO. 7HX GOOD DRILL SITE: YES

KINGFISHER COUNTY, STATE:OK **GROUND ELEVATION:**1152.19' GR. AT STAKE

SURFACE HOLE FOOTAGE: 2368' FEL - 225' FSL

SECTION: 7 TOWNSHIP: T15N RANGE: R8W

BOTTOM HOLE: 6-T15N-R8W,I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:** 

FROM THE TOWN OF OKARCHE HEAD NORTH ON US-81/OK-3 ±5.5MI TO E840RD, HEAD WEST ±8.8MI TO N2750RD, HEAD SOUTH ±1.0MI TO E850RD, HEAD EAST ±0.5MI, PAD SITE IS NORTH 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.

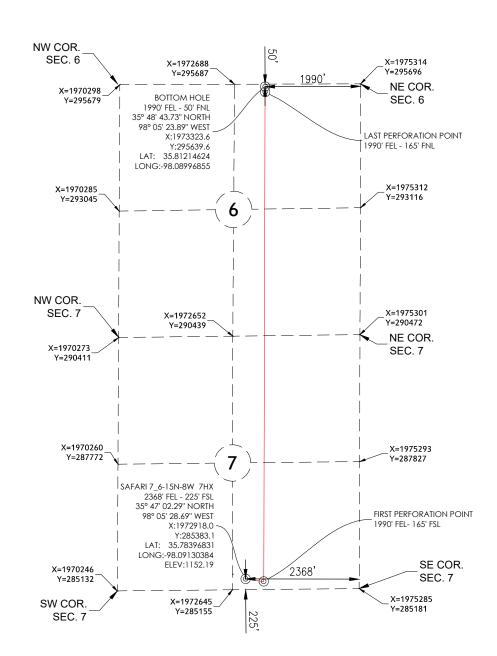
NOTE:X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON

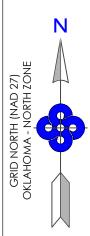
THE GROUND, AND FURTHER, <u>DOES NOT</u> REPRESENT A TRUE BOUNDARY SURVEY

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, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

API 073-26092 A

COUNTY, OKLAHOMA <u>KINGFISHER</u> 2368' FEL - 225' FSL SECTION 7 TOWNSHIP 15N RANGE 8W I.M.





**SURFACE HOLE DATA STATE PLANE COORDINATES:** 

**ZONE**: OK-NORTH NAD27

**X**: 1972918.0

GPS DATUM: NAD27 **LAT:** 35.78396831 LONG: <u>-98.09130384</u>

STATE PLANE COORDINATES: ZONE: O X: 1941319

GPS DATUM: NAD83 **LONG**: -98.09163917

**BOTTOM HOLE DATA** STATE PLANE COORDINATES: **ZONE:** OK-NORTH NAD27

**X**: 1973323.6 **Y**: 295639.6

**GPS DATUM: NAD27 LAT:** 35.81214624 LONG: <u>-98.08996855</u>

STATE PLANE COORDINATES: **ZONE**: OK-NORTH NAD83 **X**: 1941724.7

Y: 295663.3

GPS DATUM: NAD83 LAT: 35.81218970 LONG: <u>-98.09030433</u> **BOTTOM HOLE** 

INFORMATION PROVIDED BY OPERATOR LISTED.



GRAPHIC SCALE IN FEET 1000 Ó 2000 2000

REVIS	ON "SAFARI 7_6-15N-8W 7HX"							13. 3.
		-	PART OF THE SE/4 OF SECTION 7, T-15-N, R-8-W PROPOSED DRILL SITE KINGFISHER COUNTY, OKLAHOMA					von
		SCALE: 1" = PLOT DATE:		DRAWN BY:	SQ	SHEET NO.:	1 OF	6