

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

API NUMBER: 073 26116

Approval Date: 06/18/2018

Expiration Date: 12/18/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 15N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 350 1028

Lease Name: SAFARI 7_6-15N-8W

Well No: 4HX

Well will be 350 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 73102-5015

ELDON BREDEL & SUSAN BREDEL
6081 E. 860 ROAD
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9175	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 634508

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804113
201804175
201804111
201804112
201804578

Special Orders:

Total Depth: 19984

Ground Elevation: 1165

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 290

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: 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? 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

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

PERMIT NO: 18-34479

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 06 Twp 15N Rge 8W 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: 380

Depth of Deviation: 8857

Radius of Turn: 477

Direction: 357

Total Length: 10378

Measured Total Depth: 19984

True Vertical Depth: 9334

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

Notes:

Category

Description

DEEP SURFACE CASING

6/8/2018 - 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

6/8/2018 - 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

6/8/2018 - 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

6/8/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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073 26116 SAFARI 7_6-15N-8W 4HX

Category	Description
PENDING CD - 201804111	<p>6/14/2018 - G75 - (E.O.) 6-15N-8W X634508 MSSP ** 4 WELLS DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)</p> <p>** S/B X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201804112	<p>6/14/2018 - G75 - (E.O.) 7-15N-8W X634508 MSSP ** 4 WELLS DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)</p> <p>** S/B X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201804113	<p>6/14/2018 - 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)</p> <p>** S/B X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201804175	<p>6/14/2018 - G75 - (E.O.) 7 & 6-15N-8W X634508 MSSP ** X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS COMPL. INT. (7-15N-8W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (6-15N-8W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PROD. CO., L.P. REC 6-8-2018 (M. PORTER)</p> <p>** S/B X634508/201804578 MSSP; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201804578	<p>6/14/2018 - 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)</p>
SPACING - 634508	<p>6/14/2018 - 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) ++</p> <p>** S/B VAC 91355 MNNG N2, SE4, E2 SW4 6-15N-8W; CORRECTED BY CD # 201804578</p> <p>++ SHOULD INCLUDE COEXIST ORDER # 91355 MNNG W2 SW4 6-15N-8W; CORRECTED BY CD # 201804578</p>

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