

API NUMBER: 017 25681

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

Approval Date: 06/11/2021
Expiration Date: 12/11/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 06 Township: 14N Range: 9W County: CANADIAN

SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **634** **2041**

Lease Name: **OTTO 31_30_19-15N-9W** Well No: **3HXX** Well will be **634** feet from nearest unit or lease boundary.Operator Name: **DEVON ENERGY PRODUCTION CO LP** Telephone: 4052353611; 4052353611; OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY, OK 73102-5015

LARRY GLEN AND CHRISTINE MOORE
18621 234TH ROAD NW
CALUMET OK 73014

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

| | Name | Code | Depth |
|---|-------------------|----------|-------|
| 1 | MISSISSIPPIAN | 359MSSP | 9658 |
| 2 | MISSISSIPPI SOLID | 351MSSSD | 10108 |
| 3 | WOODFORD | 319WDFD | 11128 |

Spacing Orders: 176175 Location Exception Orders: 718437 Increased Density Orders: 718499
612110 718498
657910 718520
649758
718432

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 26908 Ground Elevation: 1447 **Surface Casing: 690** Depth to base of Treatable Water-Bearing FM: 440

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37641
H. (Other) SEE MEMO

PIT 1 INFORMATION**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:** Dog Creek**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:** Dog Creek

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

MULTI UNIT HOLE 1

| | | | | |
|---|---------------|------------------------|--------------|-----------------------------------|
| Section: 19 | Township: 15N | Range: 9W | Meridian: IM | Total Length: 15923 |
| County: KINGFISHER | | | | Measured Total Depth: 26908 |
| Spot Location of End Point: NE NE NE NW | | | | True Vertical Depth: 12000 |
| Feet From: NORTH | | 1/4 Section Line: 50 | | End Point Location from |
| Feet From: WEST | | 1/4 Section Line: 2312 | | Lease, Unit, or Property Line: 50 |

NOTES:

| Category | Description |
|-----------------------------|---|
| DEEP SURFACE CASING | [6/3/2021 - GB1] - NO DSC DUE TO SURFACE HOLE ISSUES IN SE4 6-14N-9W |
| HYDRAULIC FRACTURING | <p>[6/3/2021 - GB1] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p> |
| INCREASED DENSITY - 718498 | <p>[6/11/2021 - GC2] - 19-15N-9W</p> <p>X176175 MSSSD</p> <p>3 WELLS</p> <p>DEVON ENERGY PRODUCTION COMPANY, L.P.</p> <p>5-21-2021</p> |
| INCREASED DENSITY - 718499 | <p>[6/11/2021 - GC2] - 31-15N-9W</p> <p>X176175 MSSSD</p> <p>4 WELLS</p> <p>DEVON ENERGY PRODUCTION COMPANY, L.P.</p> <p>5-21-2021</p> |
| INCREASED DENSITY - 718520 | <p>[6/11/2021 - GC2] - 30-15N-9W</p> <p>X657910 MSSP</p> <p>4 WELLS</p> <p>DEVON ENERGY PRODUCTION COMPANY, L.P.</p> <p>5-24-2021</p> |
| INTERMEDIATE CASING | [6/3/2021 - GB1] - 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 |
| LOCATION EXCEPTION - 718437 | <p>[6/11/2021 - GC2] - (I.O.) 19, 30 & 31-15N-9W</p> <p>X176175 MSSSD 19 & 31-15N-9W</p> <p>X612110 WDFD 31-15N-9W</p> <p>X657910 MSSP, WDFD 30-15N-9W</p> <p>X649785 WDFD 19-15N-9W</p> <p>X165:10-3-28(C)(2)(B) MSSP, MSSSD MAYBE CLOSER THAN 600' TO PROPOSED WELLS</p> <p>COMPL. INT. (31-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (30-15N-9W)</p> <p>NCT 0' FSL, NCT 0' FNL, NCT 1320' FWL</p> <p>COMPL. INT. (19-15N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL</p> <p>DEVON ENERGY PRODUCTION COMPANY, L.P</p> <p>5-19-2021</p> |
| MEMO | [6/3/2021 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| SPACING - 176175 | <p>[6/10/2021 - GC2] - (640) 19, 30 & 31-15N-9W</p> <p>EST OTHERS</p> <p>EXT OTHERS</p> <p>EXT 11184 MSSSD</p> |
| SPACING - 612110 | <p>[6/10/2021 - GC2] - (640) 31-15N-9W</p> <p>EXT 591627 WDFD</p> |

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

| | |
|------------------|---|
| SPACING - 649758 | [6/10/2021 - GC2] - (640) 19-15N-9W EST WDFD |
| SPACING - 657910 | [6/10/2021 - GC2] - (640)(HOR) 30-15N-9W EXT 649977 WDFD EST MSSP COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL COMPL. INT. (MSSP) NCT 660' FB (COEXIST SPACING ORDER 176175 MSSSD, OTHERS 30-15N-9W) |
| SPACING - 718432 | [6/11/2021 - GC2] - (I.O.) 19, 30 & 31-15N-9W EST MULTIUNIT HORIZONTAL WELL X176175 MSSSD 19 & 31-15N-9W X612110 WDFD 31-15N-9W X657910 MSSP, WDFD 30-15N-9W X649758 WDFD 19-15N-9W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSSD, MSSP) 33% 19-15N-9W 34% 30-15N-9W 33% 31-15N-9W DEVON ENERGY PRODUCTION COMPANY, L.P. 5-19-2021 |

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

017 25681 OTTO 31_30_19-15N-9W 3HXX

OPERATOR:DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME:OTTO 31_30_19-15N-9W

WELL NO. 3HXX

GOOD DRILL SITE:YES

CANADIAN COUNTY, STATE:OK

GROUND ELEVATION:1446.98' GR. AT STAKE

SURFACE HOLE FOOTAGE:634' FNL - 2041' FWL

SECTION: 6 TOWNSHIP:T14N RANGE:R9W

BOTTOM HOLE:19-T15N-R9W,I.M.

ACCESSIBILITY TO LOCATION:FROM WEST LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

FROM THE TOWN OF CALUMET HEAD NORTH ON CALUMET

ROAD ±7.5MI TO 234TH ST, HEAD WEST ±5.0MI TO

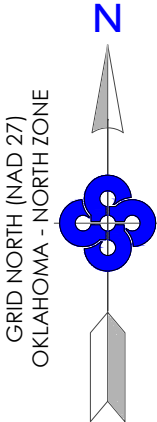
MAYBERRY ROAD, HEAD NORTH ±0.9MI TO A LEASE ROAD

TO THE EAST, HEAD EAST ±0.2MI, PAD SITE IS TO THE SOUTH.

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.



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1940658.8

Y: 263372.2

GPS DATUM: NAD27

LAT: 35.72336635

LONG: -98.19990894

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1909059.7

Y: 263395.9

GPS DATUM: NAD83

LAT: 35.72341185

LONG: -98.20024748

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1940995.0

Y: 279769.0

GPS DATUM: NAD27

LAT: 35.76841402

LONG: -98.19888953

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1909396.1

Y: 279792.7

GPS DATUM: NAD83

LAT: 35.76845823

LONG: -98.19922783

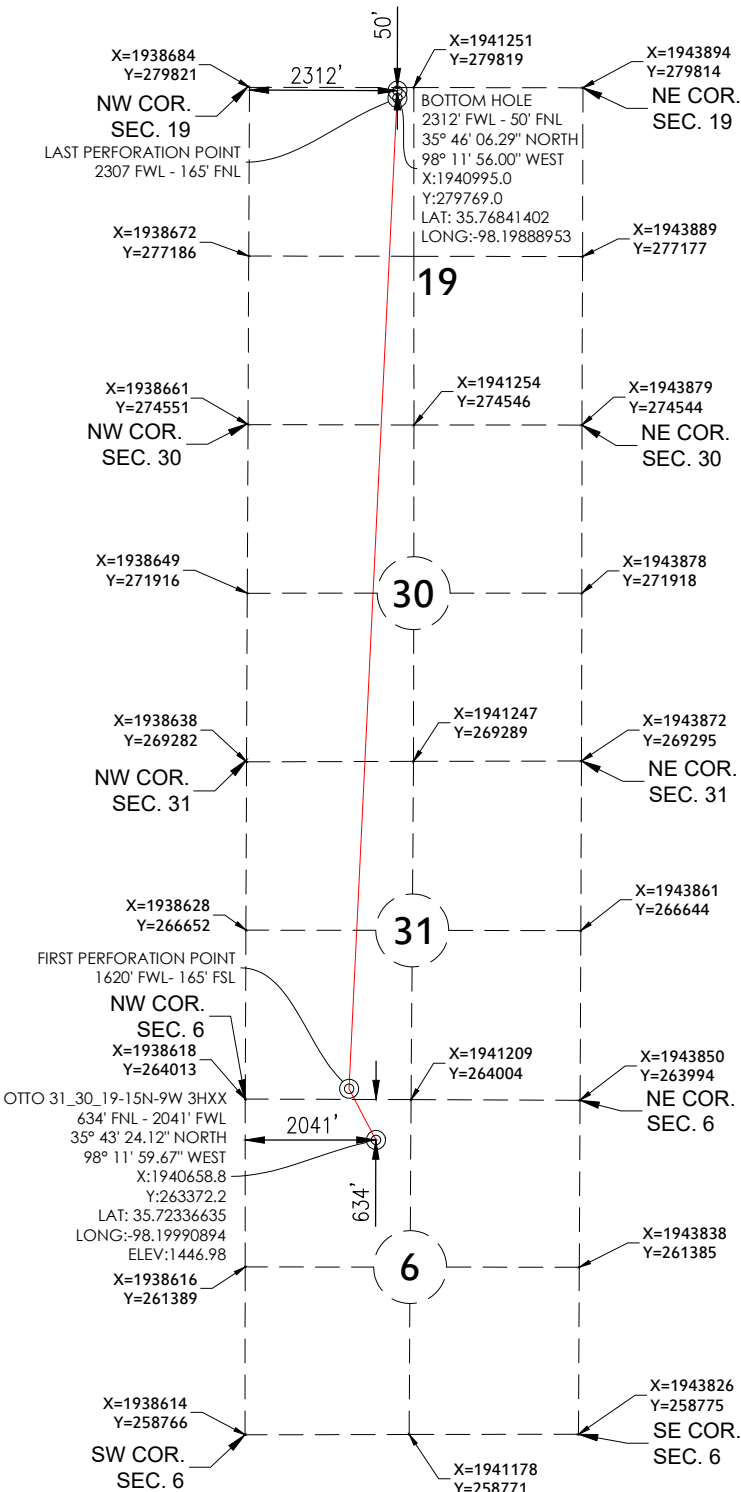
BOTTOM HOLE

INFORMATION PROVIDED

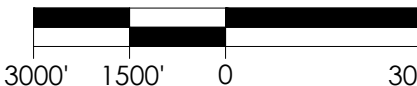
BY OPERATOR LISTED.




CANADIAN COUNTY, OKLAHOMA
634' FNL - 2041' FWL SECTION 6 TOWNSHIP 14N RANGE 9W I.M.



GRAPHIC SCALE IN FEET



| REVISION | | "OTTO 31_30_19-15N-9W 3HXX" | |  devon |
|----------|----------------------|--|--------------|---|
| R1 | BOTTOM HOLE AND | PART OF THE NW/4 OF SECTION 6, T-14-N, R-9-W PROPOSED DRILL SITE CANADIAN COUNTY, OKLAHOMA | | |
| | PERFORATION LOCATION | | | |
| | CHANGES | | | |
| | | | | |
| | | SCALE: 1" = 3000' | | |
| | | PLOT DATE: 05-19-2021 | DRAWN BY: JJ | SHEET NO.: 1 OF 6 |