

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

API NUMBER: 017 25152

Approval Date: 12/29/2017

Expiration Date: 06/29/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 14N Rge: 9W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ NW ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 383 2164

Lease Name: LION 9_4-14N-9W

Well No: 1HX

Well will be 383 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

JAMES & CAROLYN MANSFIELD
18135 220 STREET NW
CALUMET OK 73014

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

| | Name | Depth | Name | Depth |
|---|---------------|-------|------|-------|
| 1 | MISSISSIPPIAN | 10306 | 6 | |
| 2 | WOODFORD | 10887 | 7 | |
| 3 | | | 8 | |
| 4 | | | 9 | |
| 5 | | | 10 | |

Spacing Orders: 593703
475493
648601

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702315
201702316
201707582
201707581
201702314

Special Orders:

Total Depth: 21611

Ground Elevation: 1373

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 450

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-33571

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 04 Twp 14N Rge 9W County CANADIAN

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1934

Depth of Deviation: 10383

Radius of Turn: 582

Direction: 2

Total Length: 10313

Measured Total Depth: 21611

True Vertical Depth: 10950

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

Notes:

Category

Description

DEEP SURFACE CASING

12/5/2017 - 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

12/5/2017 - 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

12/5/2017 - 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

12/5/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

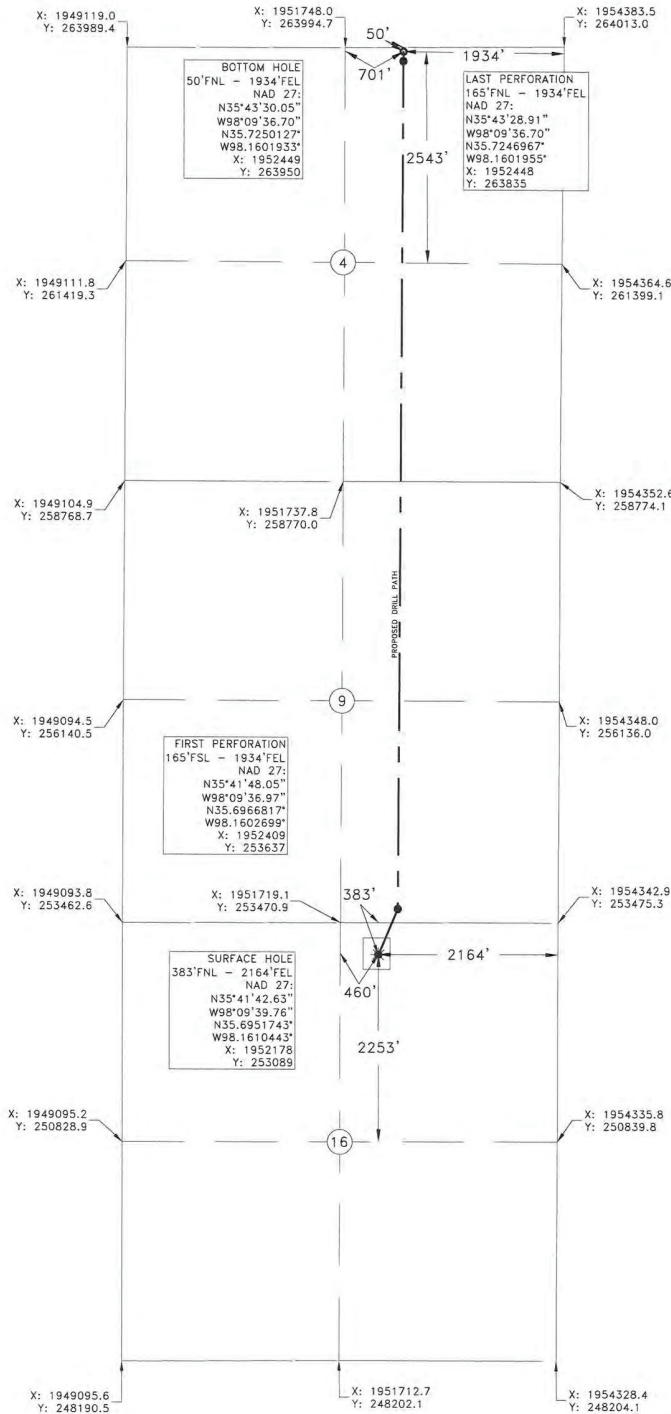
017 25152 LION 9_4-14N-9W 1HX

| Category | Description |
|------------------------|--|
| PENDING CD - 201702314 | 12/15/2017 - G57 - (I.O.)(640)(HOR) 4-14N-9W EXT 648601 MSSP POE TO BHL NCT 660' FB (COEXIST SP. ORDER #199707) REC 5-9-2017 (P. PORTER) |
| PENDING CD - 201702315 | 12/15/2017 - G57 - (I.O.) 9 & 4-14N-9W EST MULTIUNIT HORIZONTAL WELL X648601 MSSP 9-14N-9W X593703 WDFD 9-14N-9W** X475493 WDFD 4-14N-9W X201702314 MSSP 4-14N-9W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 9-14N-9W 50% 4-14N-9W DEVON ENERGY PRODUCTION COMPANY, L.P. REC 9/27/2017 (M. PORTER) ****593703 S/B ADDED FOR WDFD 9-14N-9W & REMOVE WDFD FROM SP. ORDER 648601 IN MU; TO BE CORRECTED BY ATTORNEY FOR OPERATOR |
| PENDING CD - 201702316 | 12/28/2017 - G57 - (I.O.) 9 & 4-14N-9W X648601 MSSP 9-14N-9W X593703 WDFD 9-14N-9W** X475493 WDFD 4-14N-9W X201702314 MSSP 4-14N-9W X165:10-3-28(C)(2)(B) WDFD (LION 9-4-14N-9W) MAY BE CLOSER THAN 600' FROM ANY EXISTING WELL COMPL. INT.(9-14N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT.(4-14N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL DEVON ENERGY PRODUCTION COMPANY, L.P. REC 9/27/2017 (M. PORTER) **593703 S/B ADDED FOR WDFD 9-14N-9W & REMOVE WDFD FROM SP. ORDER 648601 IN LE; TO BE CORRECTED BY ATTORNEY FOR OPERATOR |
| PENDING CD - 201707581 | 12/28/2017 - G57 - (I.O.) 4-14N-9W X475493 WDFD 1 WELL DEVON ENERGY PRODUCTION COMPANY, LP. REC 12-5-2017 (MILLER) |
| PENDING CD - 201707582 | 12/28/2017 - G57 - (I.O.) 9-14N-9W X593703 WDFD 1 WELL DEVON ENERGY PRODUCTION COMPANY, LP. REC 12-5-2017 (MILLER) |
| SPACING - 475493 | 12/15/2017 - G57 - (640) 4-14N-9W EXT 179994 WDFD, OTHERS EST OTHER |
| SPACING - 593703 | 12/15/2017 - G57 - (640)(HOR) 9-14N-9W VAC 199782 WDFD EST WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL |
| SPACING - 648601 | 12/15/2017 - G57 - (640)(HOR) 9-14N-9W VAC 193707 MSSSD, OTHER VAC 199782 MNNG, CSTR EXT 641050 MSSP EST OTHER POE TO BHL NCT 660' FB |

SECTIONS 4, 9 & 16,
T 14 N - R 09 W, I.M.,
CANADIAN COUNTY, OKLAHOMA

API: 017 25152

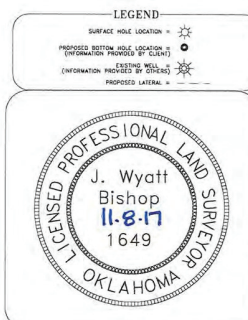
BEARINGS ARE GRID
OKLAHOMA SFC. NAD 27, NORTH ZONE



Date Staked: 10/5/17
Well No.: 1HX
Elevation: 1373'
Operator: DEVON ENERGY PRODUCTION COMPANY, LP.
Lease Name: LION 9, 4-14N-9W
Topography and Vegetation: PASTURE
Good Drill Site? YES
Reference or Alt. Location Stakes Set: NONE
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy. Jct. or Town: FROM THE JUNCTION OF CO. RD. N2740 AND HWY 270 IN CALUMET, HEAD NORTH ON CO. RD. N2740 FOR 6.5 MILES, THEN HEAD WEST 2.4 MILES, THEN TURN SOUTH ONTO LOCATION

J. Wyatt Bishop
OKLAHOMA L.P.L.S. NO.: 1649
DATE: 11-8-17

NOTES:
This plat represents a proposed well site and does not represent a true boundary survey. This location has been very carefully staked on the ground according to the latest G.L.O. records, U.S.G.S. maps and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.
Coordinates shown in parentheses are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distance.



| | | | |
|--|--------------------------------------|--|--|
| Devon Energy Production Company, LP. 333 W. Sheridan Oklahoma City, OK 73102 | | devon | |
| Gateway Gateway Services Group, LLC | | P.O. BOX 960 WEEKER, OK 74855 OFF. (405) 273-0854 FAX (405) 273-0860 C.A. NO. 4091 (LS) EXP. DATE 6-30-2018 | |
| EXHIBIT "A" PRELIMINARY | | | |
| LION 9, 4-14N-9W, 1HX 383' FNL - 2164' FEL SECTIONS 4, 9 & 16, T 14 N - R 09 W, I.M., CANADIAN COUNTY, OKLAHOMA | | | |
| DRAWN BY: ALE | DATE: 10/5/17 | CHK'D: JE | |
| GATEWAY NO.: 17-0654-001R3 | | SCALE: 1"=1500' | |
| DWN: WA016891309 | UPID: AA000154500 | | |
| REV. DWN. | DESCRIPTION | DATE | |
| 1 | CLC MOVED FIRST AND LAST PERFORATION | 10/20/17 | |
| 2 | CLC RESTAKE | 11/03/17 | |
| 3 | RLG NAME CORRECTION | 11/08/17 | |