

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

API NUMBER: 043 23569

Approval Date: 11/17/2017

Expiration Date: 05/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 16W

County: DEWEY

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 252 880

Lease Name: GTO JUDGE 31_6-19N-18N-16W

Well No: 1HX

Well will be 252 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

TAMMY JO NINE STOTTS LLC
ROUTE 2, BOX 98
SEILING OK 73663

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10669	6	
2	WOODFORD	11709	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706592
201706593
201706594
201706595

Special Orders:

Total Depth: 20746

Ground Elevation: 1904

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

Under Federal Jurisdiction: Yes

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

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

PERMIT NO: 17-33271

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 06 Twp 18N Rge 16W County DEWEY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 440

Depth of Deviation: 10241

Radius of Turn: 477

Direction: 178

Total Length: 9756

Measured Total Depth: 20746

True Vertical Depth: 11709

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

Notes:

Category

Description

DEEP SURFACE CASING

10/17/2017 - 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

10/17/2017 - 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

10/17/2017 - 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

10/17/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS 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.

043 23569 GTO JUDGE 31_6-19N-18N-16W
1HX

Category	Description
PENDING CD - 201706592	11/17/2017 - G75 - (640)(HOR) 31-19N-16W EXT 665484 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 126793 CSTR) REC 10-24-2017 (MILLER)
PENDING CD - 201706593	11/17/2017 - G75 - (640)(HOR) 6-18N-16W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 137483 CSTR) REC 10-24-2017 (MILLER)
PENDING CD - 201706594	11/17/2017 - G75 - (I.O.) 31-19N-16W & 6-18N-16W EST MULTIUNIT HORIZONTAL WELL X201706592 MSSP, WDFD 31-19N-16W X201706593 MSSP, WDFD 6-18N-16W (WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 49.44% 31-19N-16W 50.56% 6-18N-16W DEVON ENERGY PROD. CO., L.P. REC 10-24-2017 (MILLER)
PENDING CD - 201706595	11/17/2017 - G75 - (I.O.) 31-19N-16W & 6-18N-16W X201706592 MSSP, WDFD 31-19N-16W X201706593 MSSP, WDFD 6-18N-16W COMPL. INT. (31-19N-16W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (6-18N-16W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL DEVON ENERGY PROD. CO., L.P. REC 10-24-2017 (MILLER)

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.

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: GTO JUDGE 31_6-19N-18N-16W

WELL NO. 1HX

GOOD DRILL SITE: YES

DEWEY COUNTY, STATE: OK

GROUND ELEVATION: 1904.44' GR. AT STAKE

SURFACE HOLE FOOTAGE: 880' FEL - 252' FNL

SECTION: 31 TOWNSHIP: 19N RANGE: 16W

BOTTOM HOLE: 6-T18N-R16W I.M.

ACCESSIBILITY TO LOCATION: FROM EAST LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE TOWN OF SEILING, HEAD SOUTH ON OK-3 0.7MI±
TO N2290RD, HEAD SOUTH 2.5MI± TO E630RD, HEAD WEST
1.0MI± TO N2280RD, HEAD SOUTH 0.9MI± TO A POINT WHERE
TWO LEASE ROADS AKA E640RD INTERSECT N2280RD.
FOLLOW WEST LEASE RD 0.2MI±, PAD SITE WILL BE 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.

API 043-23569



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1721922.7

Y: 396596.9

GPS DATUM: NAD27

LAT: 36.08582621

LONG: -98.94111095

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1690319.1

Y: 396623.3

GPS DATUM: NAD83

LAT: 36.08586749

LONG: -98.94148421

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1722285.5

Y: 386369.6

GPS DATUM: NAD27

LAT: 36.05774129

LONG: -98.93954809

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1690681.9

Y: 386396.0

GPS DATUM: NAD83

LAT: 36.05778307

LONG: -98.93992134

BOTTOM HOLE

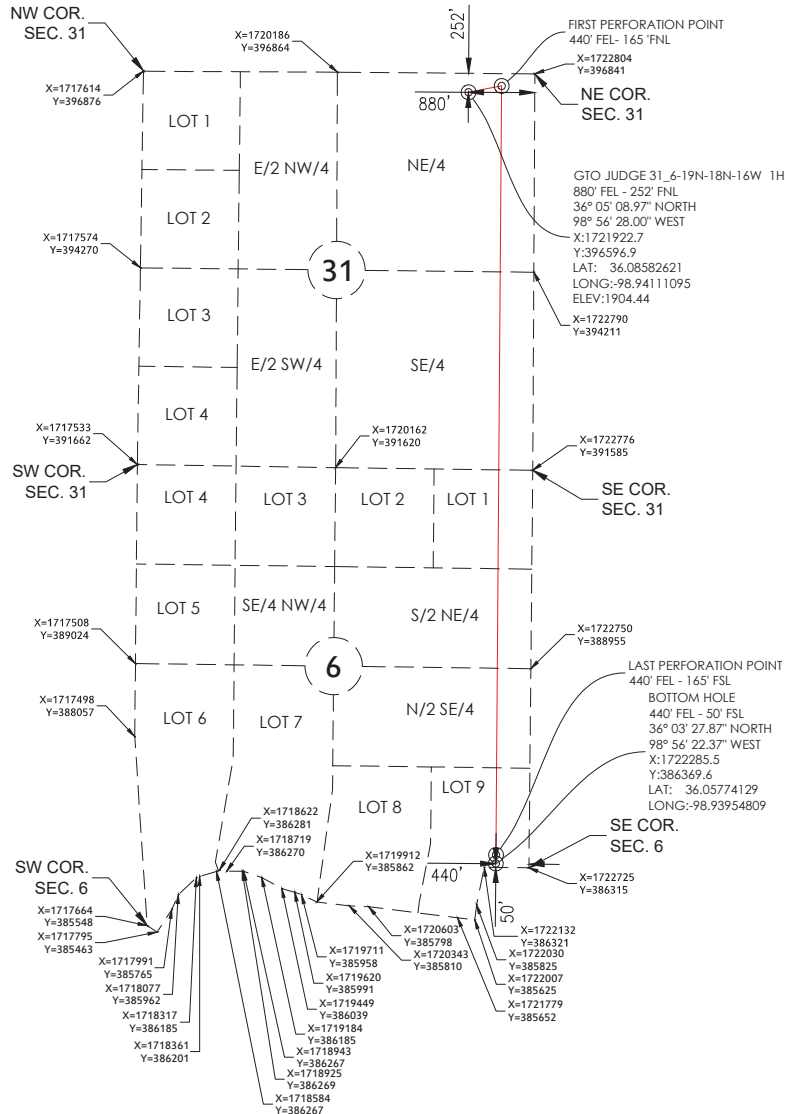
INFORMATION PROVIDED

BY OPERATOR LISTED.

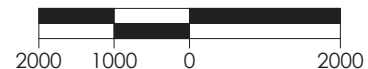
Date: 2017.09.27 09:22:19-05'00'




DEWEY COUNTY, OKLAHOMA
880' FEL - 252' FNL SECTION 31 TOWNSHIP 19N RANGE 16W I.M.



GRAPHIC SCALE IN FEET



REVISION		"GTO JUDGE 31_6-19N-18N-16W 1HX"		
		PART OF THE NE/4 OF SECTION 31, T-19-N, R-16-W PROPOSED DRILL SITE DEWEY COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'	DRAWN BY: SQ	
		PLOT DATE: 09-27-2017		