

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

API NUMBER: 073 25354

Approval Date: 08/10/2016  
Expiration Date: 02/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 15N Rge: 8W County: KINGFISHER  
SPOT LOCATION:  SE  SW  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 250 350

Lease Name: SHANGRI-LA 25\_24-15N-8W Well No: 1HX Well will be 250 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

JOHN WIEDEY & FRANCES WIEDEY  
1305 OAKMONT DRIVE  
WADSWORTH OH 44281

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8360	6	
2	WOODFORD	9397	7	
3	HUNTON	9475	8	
4			9	
5			10	

Spacing Orders: 636685

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602868  
201602869

Special Orders:

Total Depth: 19162

Ground Elevation: 1175

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 390

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: 16-31353

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 24 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: 350

Depth of Deviation: 8595

Radius of Turn: 573

Direction: 360

Total Length: 9667

Measured Total Depth: 19162

True Vertical Depth: 9475

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

Notes:

Category

Description

DEEP SURFACE CASING

8/1/2016 - 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

7/21/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INTERMEDIATE CASING

7/21/2016 - 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

7/21/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201602868

7/21/2016 - G75 - (I.O.) 24 & 25-15N-8W  
EST MULTIUNIT HORIZONTAL WELL  
X636685 MSSP, WDFD, HNTN  
(MSSP, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD)  
50% 24-15N-8W  
50% 25-15N-8W  
DEVON ENERGY PROD. CO. L.P.  
REC 8-9-2016 (NORRIS)

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.

073 25354 SHANGRI-LA 25\_24-15N-8W 1HX

Category	Description
PENDING CD - 201602869	7/21/2016 - G75 - (I.O.) 24 & 25-15N-8W X636685 MSSP, WDFD, HNTN SHL (25-15N-8W) 250 FSL, 350 FWL COMPL. INT. (25-15N-8W) NCT 165 FSL, NCT 0 FNL, NCT 330 FWL COMPL. INT. (24-15N-8W) NCT 0 FSL, NCT 165 FNL, NCT 330 FWL DEVON ENERGY PROD. CO. L.P. REC 8-9-2016 (NORRIS)
SPACING - 636685	7/21/2016 - G75 - (640)(HOR) 24 & 25-15N-8W EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 37910 MCSTR & ORDER # 139996 MNNG, MSSSD, HNTN)

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.



214 East Main  
Oklahoma City, OK 73104  
405.787.6270 f 405.787.6276 f  
www.craftontull.com

**Crafton Tull**  
SURVEYING

**OPERATOR:** DEVON ENERGY PRODUCTION COMPANY, L.P.

**LEASE NAME:** SHANGRI-LA 25\_24-15N-8W

**WELL NO.** 1HX

**GOOD DRILL SITE:** YES

**KINGFISHER COUNTY, STATE:** OK

**GROUND ELEVATION:** 1175.15' GR. AT STAKE

**SURFACE HOLE FOOTAGE:** 350' FWL - 250' FSL

**SECTION:** 25 **TOWNSHIP:** T15N **RANGE:** R8W

**BOTTOM HOLE:** 24-T15N-R8W, I.M.

**ACCESSIBILITY TO LOCATION:** FROM SOUTH LINE

**TOPOGRAPHY & VEGETATION:**

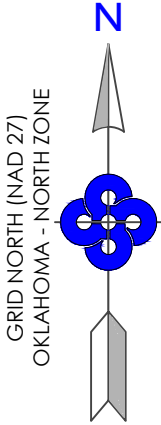
LOCATION FELL IN A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:**  
AT THE JCT. OF US-81 AND COUNTY LINE RD, HEAD WEST  
2MI TO N2800 RD, HEAD NORTH 1MI TO E0880 RD, SITE IS  
LOCATED ON THE NE COR OF INTERSECTION.

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:** 1996677.4

**Y:** 269591.3

**GPS DATUM:** NAD27

**LAT:** 35.74061902

**LONG:** -98.01119572

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1965079.2

**Y:** 269591.3

**GPS DATUM:** NAD83

**LAT:** 35.74066460

**LONG:** -98.01152690

**BOTTOM HOLE DATA**

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X:** 1996677.5

**Y:** 279862.1

**GPS DATUM:** NAD27

**LAT:** 35.76883522

**LONG:** -98.01119920

**STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD83

**X:** 1965079.2

**Y:** 279885.8

**GPS DATUM:** NAD83

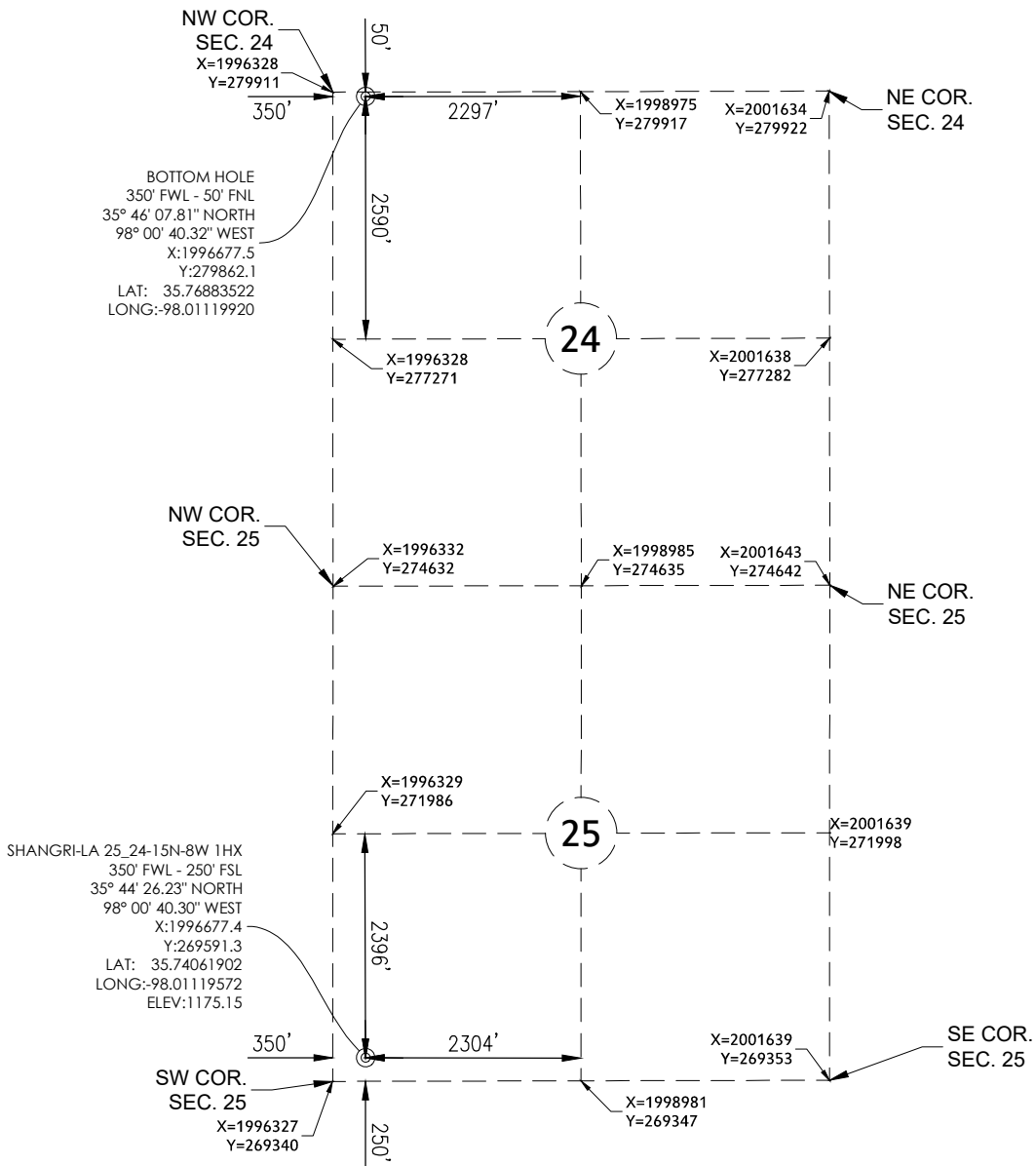
**LAT:** 35.76888007

**LONG:** -98.01153090

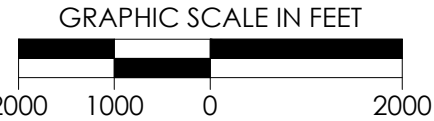
BOTTOM HOLE  
INFORMATION PROVIDED  
BY OPERATOR LISTED.

KINGFISHER COUNTY, OKLAHOMA  
350' FWL - 250' FSL SECTION 25 TOWNSHIP 15N RANGE 8W I.M.

API 073-25354



SHANGRI-LA 25\_24-15N-8W 1HX  
350' FWL - 250' FSL  
35° 44' 26.23" NORTH  
98° 00' 40.30" WEST  
X:1996677.4  
Y:269591.3  
LAT: 35.74061902  
LONG:-98.01119572  
ELEV:1175.15



REVISION	"SHANGRI-LA 25_24-15N-8W 1HX" PART OF THE SW/4 OF SECTION 25, T-15-N, R-8-W PROPOSED DRILL SITE KINGFISHER COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	DRAWN BY: DW	SHEET NO.: 1 OF 6
	PLOT DATE: 06-10-2016		