

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

API NUMBER: 073 25402

Approval Date: 10/20/2016  
Expiration Date: 04/20/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 15N Rge: 9W County: KINGFISHER  
SPOT LOCATION:  SW  SW  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 270 300

Lease Name: GEIS 1-15N-9W Well No: 1H Well will be 270 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

TIMOTHY GEIS  
5677 E. 840 ROAD  
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISS'AN (EX CHESTER)	8548	6	
2	WOODFORD	9804	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604157  
201604156

Special Orders:

Total Depth: 14089 Ground Elevation: 1160

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 210

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: 4000

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: 16-31559

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 01 Twp 15N Rge 9W 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: 8878

Radius of Turn: 478

Direction: 1

Total Length: 4460

Measured Total Depth: 14089

True Vertical Depth: 9804

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

Notes:

Category	Description
DEEP SURFACE CASING	10/10/2016 - G75 - 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	10/10/2016 - G75 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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	10/10/2016 - G75 - 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	10/10/2016 - G75 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201604156	10/10/2016 - G75 - (640)(HOR) 1-15N-9W EST MSNLC EXT 630460 WDFD POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 228215 MSSLM, MSSSD; ORDER # 268041 MNNG W2 & ORDER # 321750 MNNG E2) REC 10-18-2016 (P. PORTER)

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.

Category

Description

PENDING CD - 201604157

10/10/2016 - G75 - (I.O.) 1-15N-9W  
X201604156 MSNLC, WDFD  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
NO OP. NAMED  
REC 10-18-2016 (P. PORTER)

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 CA973(PE/LS) Exp. 6/30/18

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

**LEASE NAME:** GEIS 1-15N-9W

**WELL NO.** 1H

**GOOD DRILL SITE:** YES

**KINGFISHER COUNTY, STATE:** OK

**GROUND ELEVATION:** 1160.43' GR. AT STAKE

**SURFACE HOLE FOOTAGE:** 300' FWL - 270' FSL

**SECTION:** 1 **TOWNSHIP:** T15N **RANGE:** R9W

**BOTTOM HOLE:** 1-T15N-R9W,I.M.

**ACCESSIBILITY TO LOCATION:** FROM SOUTH LINE

**TOPOGRAPHY & VEGETATION:**

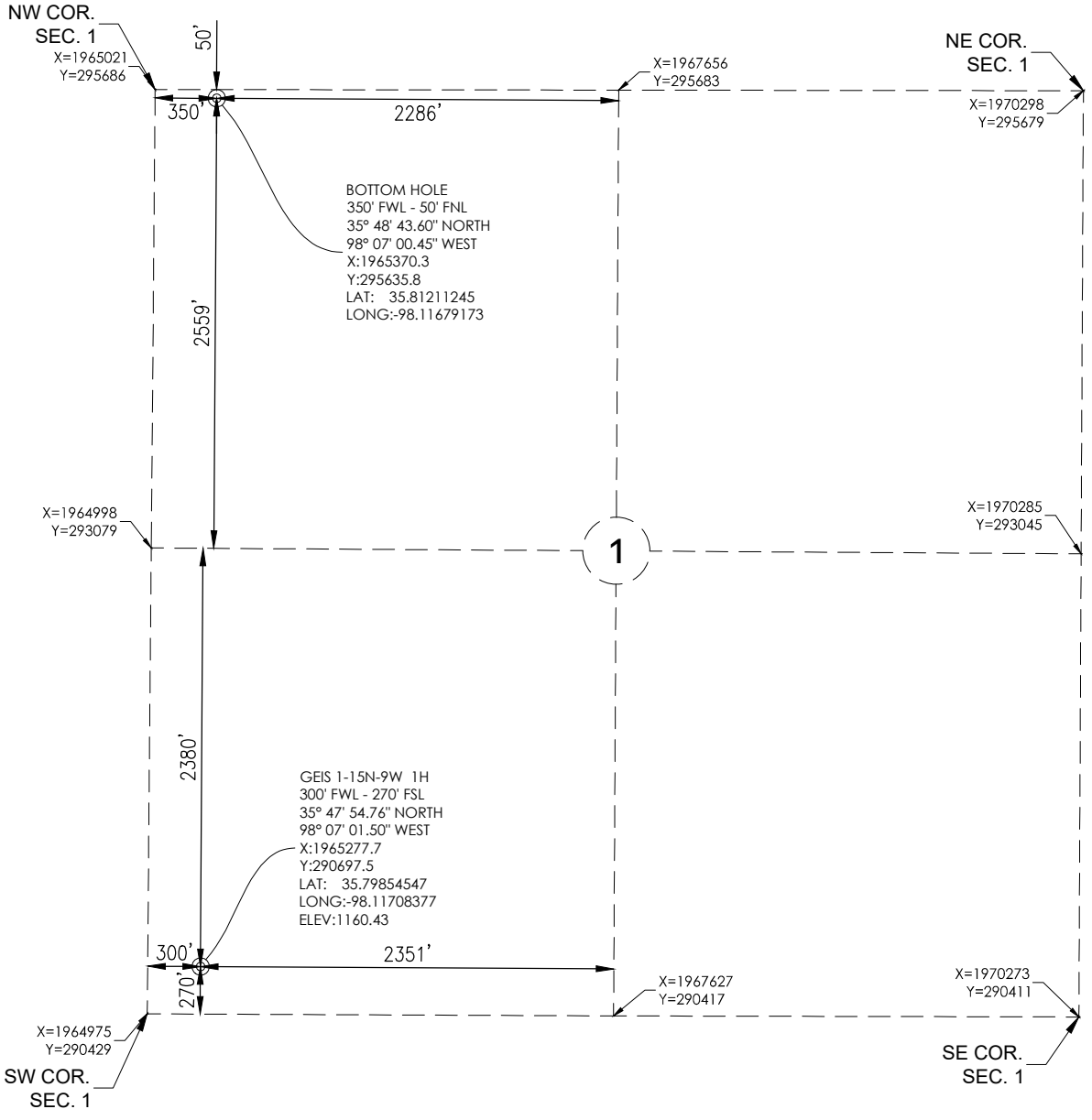
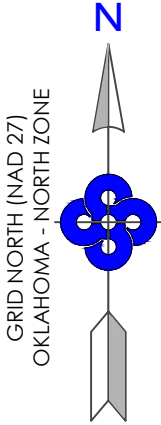
LOCATION FELL IN A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:**  
FROM THE CITY OF OKARCHE, WEST ON E0890 RD 8MI TO  
N2740 RD, NORTH 5MI, SITE IS ON NE CORNER 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.

API 073-25402

KINGFISHER COUNTY, OKLAHOMA  
300' FWL - 270' FSL SECTION 1 TOWNSHIP 15N RANGE 9W I.M.



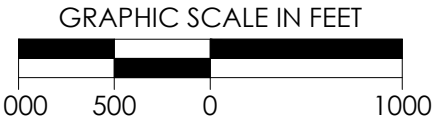
**SURFACE HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1965277.7  
**Y:** 290697.5  
**GPS DATUM:** NAD27  
**LAT:** 35.79854547  
**LONG:** -98.11708377

**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1933678.7  
**Y:** 290697.5  
**GPS DATUM:** NAD83  
**LAT:** 35.79858918  
**LONG:** -98.11742050

**BOTTOM HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1965370.3  
**Y:** 295635.8  
**GPS DATUM:** NAD27  
**LAT:** 35.81211245  
**LONG:** -98.11679173

**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1933771.2  
**Y:** 295659.5  
**GPS DATUM:** NAD83  
**LAT:** 35.81215580  
**LONG:** -98.11712877

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION		"GEIS 1-15N-9W 1H"		PART OF THE SW/4 OF SECTION 1, T-15-N, R-9-W PROPOSED DRILL SITE KINGFISHER COUNTY, OKLAHOMA	
R1	FIX SHL ELEVATION				
SCALE: 1" = 1000'		PLOT DATE: 08-04-2016		DRAWN BY: DW	SHEET NO.: 1 OF 6