

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

API NUMBER: 011 23751

Approval Date: 02/28/2017
Expiration Date: 08/28/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 17N Rge: 10W County: BLAINE
SPOT LOCATION: NE NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 221 2399

Lease Name: IGUANA 11-17N-10W Well No: 1H Well will be 221 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

MEIER BEEF & GRAIN, LLP
106 N. PINE
OKEENE OK 73763

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8129	6	
2 WOODFORD	9404	7	
3		8	
4		9	
5		10	

Spacing Orders: 642769

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700612

Special Orders:

Total Depth: 14292

Ground Elevation: 1196

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 110

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: 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: FLOWERPOT

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

PERMIT NO: 17-32155

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: FLOWERPOT

HORIZONTAL HOLE 1

Sec 11 Twp 17N Rge 10W County BLAINE

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2300

Depth of Deviation: 8531

Radius of Turn: 477

Direction: 6

Total Length: 5011

Measured Total Depth: 14292

True Vertical Depth: 9404

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

Notes:

Category

Description

DEEP SURFACE CASING

2/9/2017 - 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

2/9/2017 - 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

2/9/2017 - 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

2/9/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201700612

2/13/2017 - G60 - (I.O.) 11-17N-10W
X642769 MSSP, WDFD
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL
NO OP. NAMED
REC. 2/24/17 (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.

011 23751 IGUANA 11-17N-10W 1H

Category

Description

SPACING - 642769

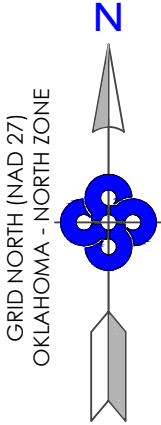
2/13/2017 - G60 - (640)(HOR) 11-17N-10W
VAC 126455 MNNG
EST MSSP, WDFD, OTHER
COMPL. INT. (MSSP, HNTN) NCT 660'FB
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
(COEXIST WITH SP. ORDER 126455 MCSTR, MSSD)

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 t 405.787.6276 f
www.craftontull.com
Crafton Tull
SURVEYING CA9731(PE/LS) Exp. 6/30/18

3501123751



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: IGUANA 11-17N-10W

WELL NO. 1H

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1196.28' GR. AT STAKE

SURFACE HOLE FOOTAGE: 2399' FWL - 271' FNL

SECTION: 14 **TOWNSHIP:** T17N **RANGE:** R10W

BOTTOM HOLE: 11-T17N-R10W, I.M.

ACCESSIBILITY TO LOCATION: FROM NORTH LINE

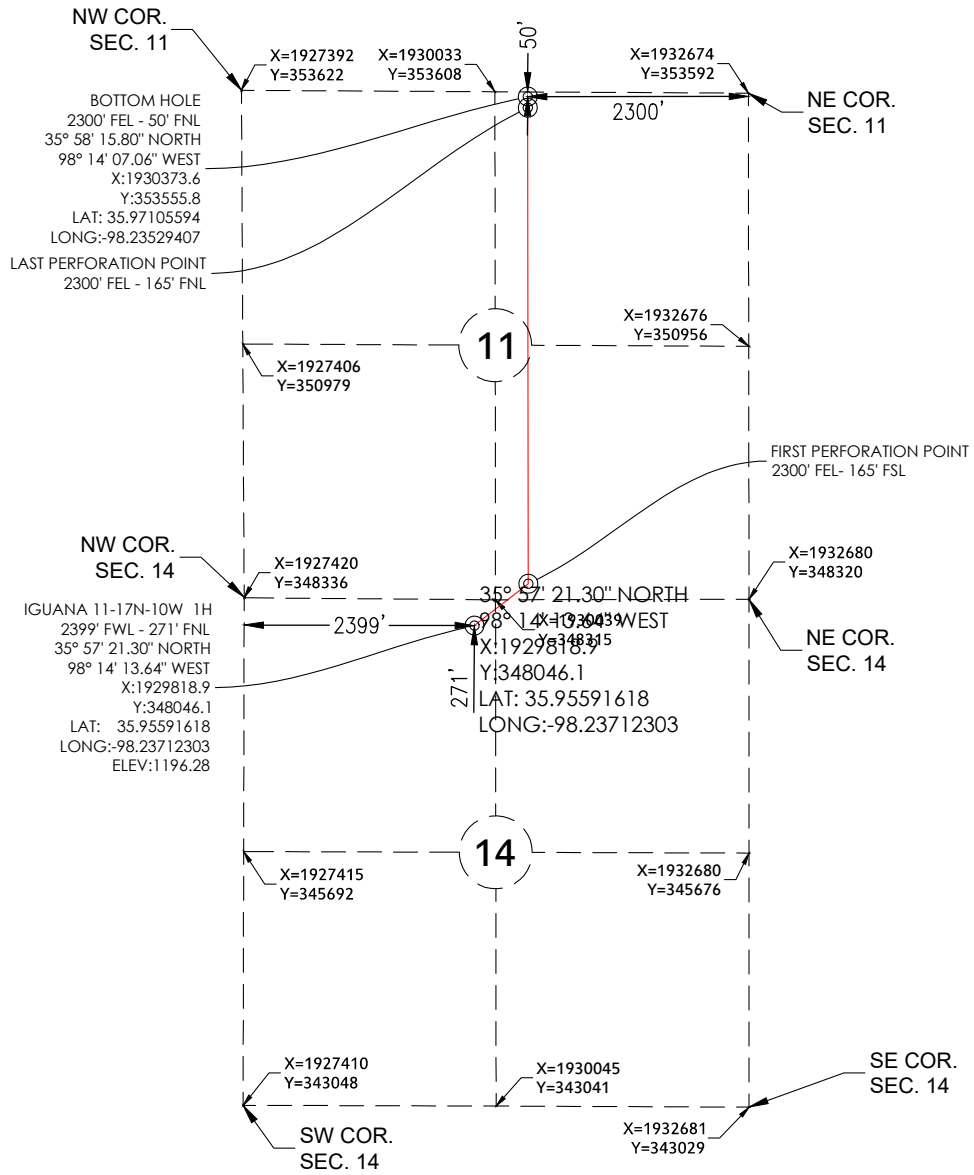
TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE TOWN OF HITCHCOCK, EAST 5 MI ON E720 RD
TO N2670 RD, SOUTH 1 MI, EAST DOWN A LEASE ROAD 0.5
MI SITE IS LOCATED ON THE SOUTH SIDE OF ROAD

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.

BLAINE COUNTY, OKLAHOMA
2399' FWL - 271' FNL SECTION 14 TOWNSHIP 17N RANGE 10W I.M.



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1929818.9

Y: 348046.1

GPS DATUM: NAD27

LAT: 35.95591618

LONG: -98.23712303

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1898218.4

Y: 348069.7

GPS DATUM: NAD83

LAT: 35.95595506

LONG: -98.23746836

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1930373.6

Y: 353555.8

GPS DATUM: NAD27

LAT: 35.97105594

LONG: -98.23529407

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1898773.0

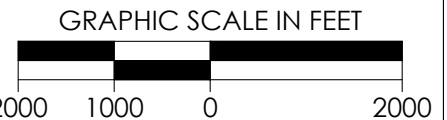
Y: 353579.3

GPS DATUM: NAD83

LAT: 35.97109442

LONG: -98.23563951

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION	"IGUANA 11-17N-10W 1H"		
	PART OF THE NW/4 OF SECTION 14, T-17-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	DRAWN BY: DW	SHEET NO.: 1 OF 6
	PLOT DATE: 02-02-2017		