

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

API NUMBER: 011 23721

Approval Date: 01/11/2017
Expiration Date: 07/11/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 16N Rge: 12W County: BLAINE
SPOT LOCATION: SW SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 245 255

Lease Name: FAITH MARIE 1_36-17N-12W Well No: 1HX Well will be 245 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

DENNIS MANKE FAMILY TRUST
RT. 3, BOX 257
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9336	6	
2	WOODFORD	10996	7	
3			8	
4			9	
5			10	

Spacing Orders: 652866
645048

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201605880
201605879

Special Orders:

Total Depth: 20286

Ground Elevation: 1561

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 240

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 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: 16-31955

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 36 Twp 17N Rge 12W County BLAINE

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1325

Depth of Deviation: 9980

Radius of Turn: 477

Direction: 1

Total Length: 9557

Measured Total Depth: 20286

True Vertical Depth: 11071

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

Notes:

Category	Description
DEEP SURFACE CASING	12/28/2016 - 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	12/28/2016 - 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/ 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	12/28/2016 - 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	12/28/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201605879	12/29/2016 - G75 - (I.O.) 1-16N-12W & 36-17N-12W EST MULTIUNIT HORIZONTAL WELL X645048 MSSP, WDFD 1-16N-12W X652866 MSSP, WDFD 36-17N-12W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 1-16N-12W 50% 36-17N-12W DEVON ENERGY PROD. CO., L.P. REC 1-10-2017 (DUNN)

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 - 201605880	12/29/2016 - G75 - (I.O.) 1-16N-12W & 36-17N-12W X645048 MSSP, WDFD 1-16N-12W X652866 MSSP, WDFD 36-17N-12W COMPL. INT. (1-16N-12W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (36-17N-12W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PROD. CO., L.P. REC 1-10-2017 (DUNN)
SPACING - 645048	12/29/2016 - G75 - (640)(HOR) 1-16N-12W VAC 510420 CSTR EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 652866	12/29/2016 - G75 - (640)(HOR) 36-17N-12W EXT 645048 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

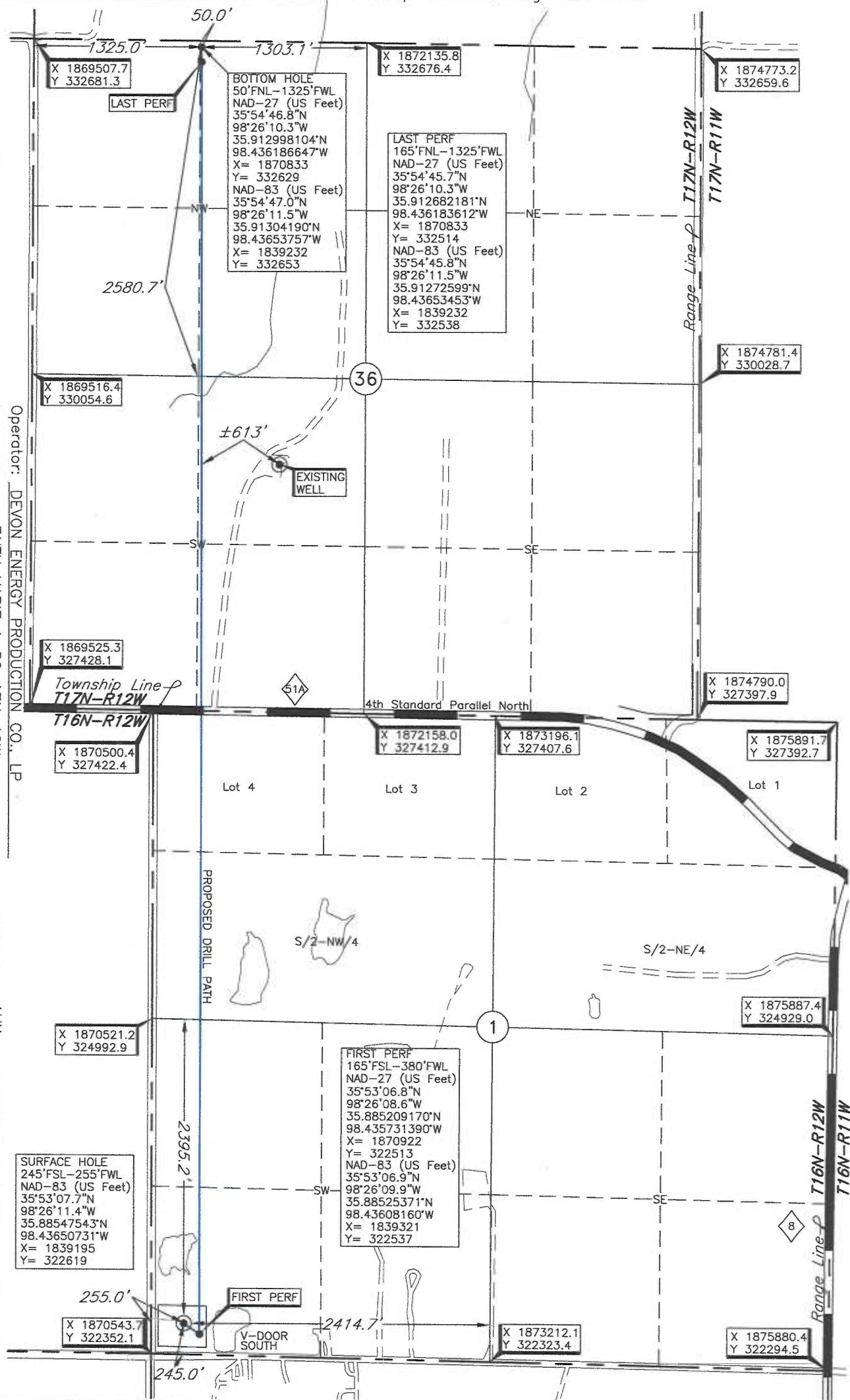
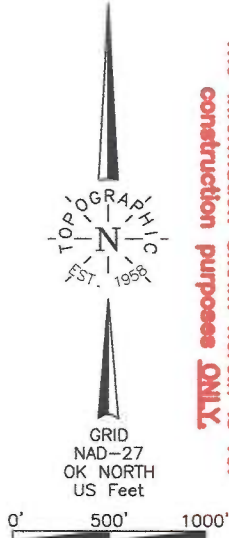
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

API 011-23721

BLAINE County, Oklahoma

245'FSL-255'FWL Section 1 Township 16N Range 12W I.M.

NOTE:
 The information shown herein is for construction purposes ONLY.



Operator: DEVON ENERGY PRODUCTION CO., LP
 Lease Name: FAITH MARIE 1 36-17N-12W
 Topography & Vegetation: Loc. fell in hilly pasture; ±204' North of pipeline
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Well No.: 1HX
 ELEVATION:
 1561' Gr. at Stake NGVD29
 1562' Gr. at Stake NAVD85

Best Accessibility to Location: From south off County Road
 Distance & Direction: From Watonga, OK, and the Junction of St. Hwy. 33 and St. Hwy. 8
 from Hwy Jct or Town: North, go North ±3 miles, then West ±1 mile to the SW Cor. of Sec. 1-T16N-R12W.

BOTTOM HOLE, FIRST PERF, LAST PERF AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

DATUM: NAD-27
 LAT: 35°53'07.6"N
 LONG: 98°26'10.2"W
 LAT: 35.885430892°N
 LONG: 98.436157100°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1870797
 Y: 322594

Date of Drawing: Nov. 17, 2016
 Invoice # 268176 Date Staked: Nov. 16, 2016 TR

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
 Oklahoma Lic. No. 1433

