

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

API NUMBER: 011 23735

Approval Date: 02/01/2017  
Expiration Date: 08/01/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 16N Rge: 11W County: BLAINE  
SPOT LOCATION:  SE  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 285 790

Lease Name: PHENIX 27-16N-11W Well No: 2H Well will be 285 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

MAXINE & FRANK STRACK, CO-TTEES FRANK STRACK &  
MAXINE STRACK 1994 LVG TRUST  
RT 2, BOX 65  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9691	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201605312  
201605315  
201605313  
201605488

Special Orders:

Total Depth: 15413 Ground Elevation: 1555 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 60

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31959

Chlorides Max: 8000 Average: 5000

H. SEE MEMO

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

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 27 Twp 16N Rge 11W County BLAINE

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 790

Depth of Deviation: 10192

Radius of Turn: 477

Direction: 360

Total Length: 4471

Measured Total Depth: 15413

True Vertical Depth: 11286

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

Additional Surface Owner	Address	City, State, Zip
LOUIS RAY & JANICE A. HOOD, CO-	P.O. BOX 64	GREENFIELD, OK 73043

Notes:

Category

Description

DEEP SURFACE CASING

12/20/2016 - 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

12/20/2016 - 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

12/20/2016 - 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

12/20/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201605312

12/20/2016 - G64 - (640)(HOR) 27-16N-11W  
EXT 656663 MSSP, WDFD, HNTN  
POE TO BHL (MSSP, HNTN) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL  
REC. 12-13-2016 (M. PORTER)

This permit does not address the right of entry or settlement of surface damages.

011 23735 PHENIX 27-16N-11W 2H

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 - 201605313	12/20/2016 - G64 - (I.O.) 27-16N-11W X201605312 MSSP ** 3 WELLS NO OP. NAMED REC. 12-13-2016 (M. PORTER)
PENDING CD - 201605315	**AMENDED ORDER ONLY FOR MSSP, NO HNTN OR WDFD 12/20/2016 - G64 - (I.O.) 27-16N-11W X201605312 MSSP, WDFD, HNTN COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL NO OP. NAMED REC. 12-13-2016 (M. PORTER)
PENDING CD - 201605488	1/19/2017 - G64 - (I.O.) 27-16N-11W X165:10-3-28(C)(2)(B) MSSP, OTHERS PHENIX 27-16N-11W 1H, PHENIX 27-16N-11W 2H, PHENIX 27-16N-11W 3H MAY BE CLOSER THAN 600' FROM ONE ANOTHER REC. 1-23-2017 (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 t 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: PHENIX 27-16N-11W

WELL NO. 2H

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1555.33' GR. AT STAKE

SURFACE HOLE FOOTAGE: 790' FEL - 285' FSL

SECTION: 27 TOWNSHIP: T16N RANGE: R11W

BOTTOM HOLE: 27-T16N-R11W.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-270 & OK-3, HEAD EAST 4MI TO N2610

ON NORTH 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.



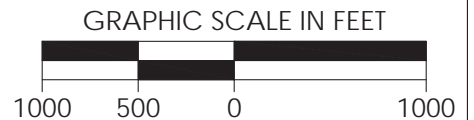
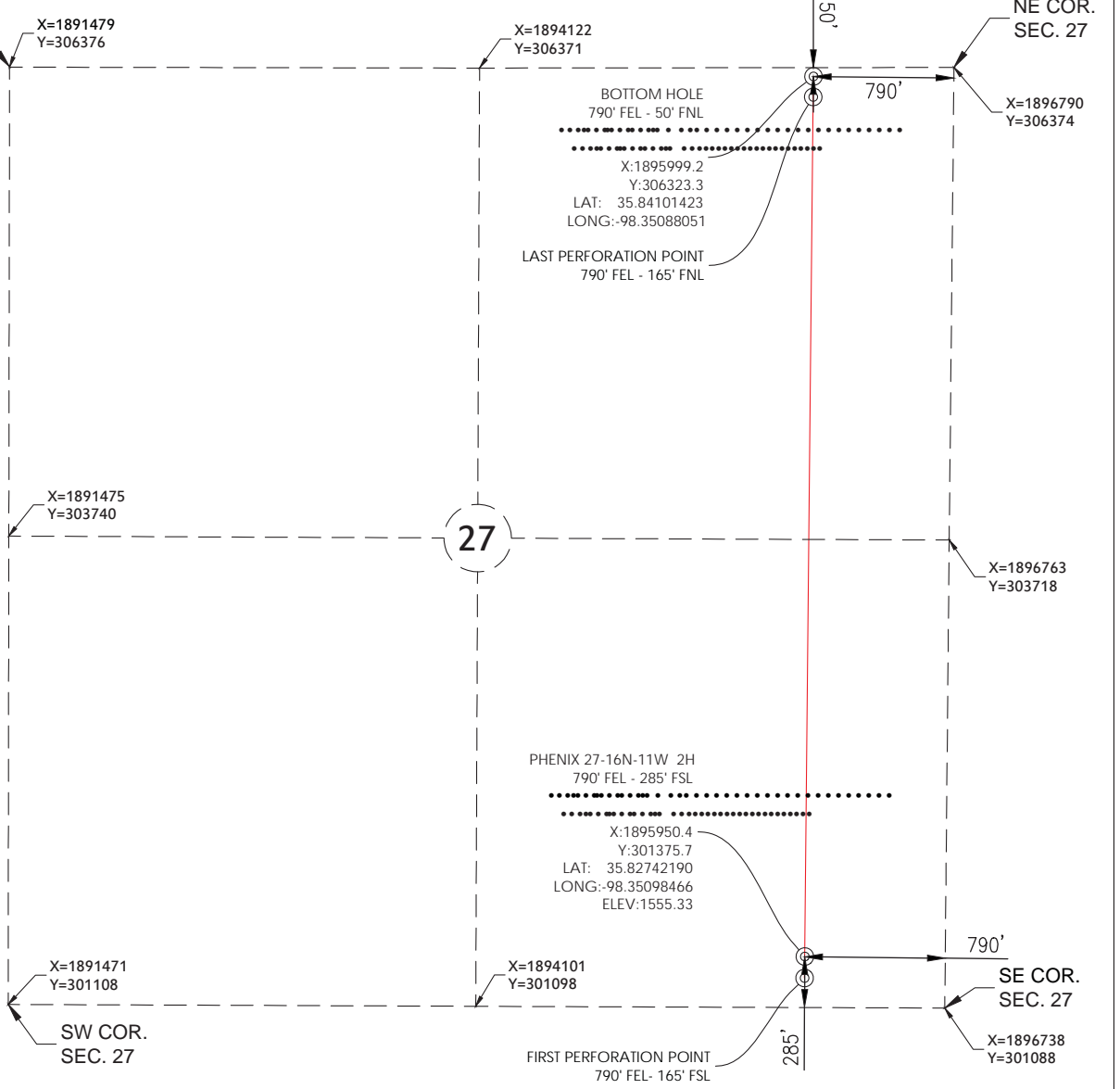
**SURFACE HOLE DATA**  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD27  
X: 1895950.4  
Y: 301375.7  
GPS DATUM: NAD27  
LAT: 35.82742190  
LONG: -98.35098466  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD83  
X: 1864350.0  
Y: 301399.8  
GPS DATUM: NAD83  
LAT: 35.82746499  
LONG: -98.35133183

**BOTTOM HOLE DATA**  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD27  
X: 1895999.2  
Y: 306323.3  
GPS DATUM: NAD27  
LAT: 35.84101423  
LONG: -98.35088051  
STATE PLANE COORDINATES:  
ZONE: OK-NORTH NAD83  
X: 1864398.7  
Y: 306347.3  
GPS DATUM: NAD83  
LAT: 35.84105707  
LONG: -98.35122794

BOTTOM HOLE  
INFORMATION PROVIDED  
BY OPERATOR LISTED.



BLAINE COUNTY, OKLAHOMA  
790' FEL - 285' FSL SECTION 27 TOWNSHIP 16N RANGE 11W I.M.  
API 011 23735



REVISION	"PHENIX 27-16N-11W 2H"		
	PART OF THE SE/4 OF SECTION 27, T-16-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 1000'	PLOT DATE: 11-08-2016	DRAWN BY: DW SHEET NO.: 1 OF 6