

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

API NUMBER: 011 23639

Approval Date: 08/17/2016
Expiration Date: 02/17/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 15N Rge: 11W County: BLAINE
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 244 234

Lease Name: LOOKABAUGH 25_24-15N-11W Well No: 1HX Well will be 234 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

CLELLA L. LOOKABAUGH, TRUSTEE
RT. 2, BOX 125
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10781	6	
2	WOODFORD	11968	7	
3			8	
4			9	
5			10	

Spacing Orders: 648028
651181

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603039
201603038
201603037

Special Orders:

Total Depth: 21890 Ground Elevation: 1442 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 70

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31355
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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 24 Twp 15N Rge 11W County BLAINE

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: 10867

Radius of Turn: 478

Direction: 1

Total Length: 10272

Measured Total Depth: 21890

True Vertical Depth: 11968

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

Notes:

Category

Description

DEEP SURFACE CASING

8/8/2016 - 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

8/8/2016 - 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

8/8/2016 - 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

8/8/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201603037

8/11/2016 - G75 - (640)(HOR) 25-15N-11W
VAC 651181 MSSSD
EST MSSP
POE TO BHL NCT 660' FB
REC. 8-16-2016 (COLAW)

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 - 201603038	8/11/2016 - G75 - (I.O.) 24 & 25-15N-11W EST MULTIUNIT HORIZONTAL WELL X648028 MSSP, WDFD 24-15N-11W X651181 WDFD 25-15N-11W X201603037 MSSP 25-15N-11W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 24-15N-11W 50% 25-15N-11W DEVON ENERGY PROD. CO., L.P. REC. 8-16-2016 (COLAW)
PENDING CD - 201603039	8/11/2016 - G75 - (I.O.) 24 & 25-15N-11W X648028 MSSP, WDFD 24-15N-11W X651181 WDFD 25-15N-11W X201603037 MSSP 25-15N-11W COMPL. INT. (25-15N-11W) NCT 165 FSL, NCT 0 FNL, NCT 330 FWL COMPL. INT. (24-15N-11W) NCT 0 FSL, NCT 165 FNL, NCT 330 FWL DEVON ENERGY PROD. CO., L.P. REC. 8-16-2016 (COLAW)
SPACING - 648028	8/11/2016 - G75 - (640) 24-15N-11W EXT 581931 WDFD, OTHERS EST MSSP
SPACING - 651181	8/11/2016 - G75 - (640)(HOR) 25-15N-11W EST MSSSD (VAC BY 201603037), WDFD, OTHER COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

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: LOOKABAUGH 25_24-15N-11W

WELL NO. 1HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1441.65' GR. AT STAKE

SURFACE HOLE FOOTAGE: 234' FWL - 244' FNL

SECTION: 36 **TOWNSHIP:** T15N **RANGE:** R11W

BOTTOM HOLE: 24-T15N-R11W, I.M.

ACCESSIBILITY TO LOCATION: FROM WEST LINE

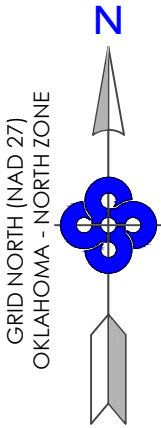
TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
AT THE JCT. OF US-270 AND E0880 RD, HEAD EAST 3.5MI TO
N2620 RD, SITE IS ON SE COR OF INTER

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.

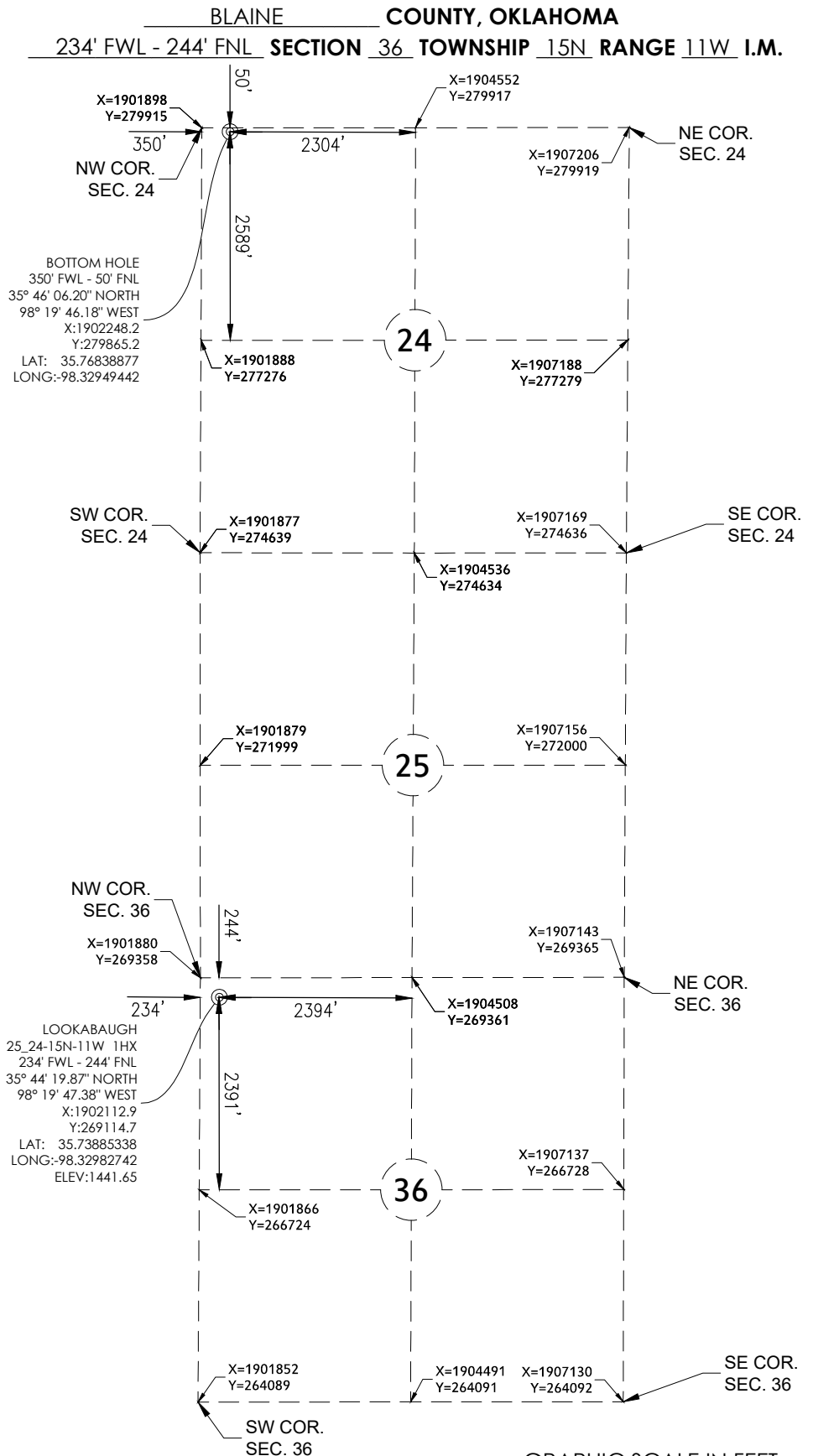
API 011-23639



SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1902112.9
Y: 269114.7
GPS DATUM: NAD27
LAT: 35.73885338
LONG: -98.32982742

BOTTOM HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1902248.2
Y: 279865.2
GPS DATUM: NAD27
LAT: 35.76838877
LONG: -98.32949442

BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.



REVISION	"LOOKABAUGH 25_24-15N-11W 1HX" PART OF THE NW/4 OF SECTION 36, T-15-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	DRAWN BY: DW	SHEET NO.: 1 OF 6
	PLOT DATE: 06-17-2016		