

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

API NUMBER: 153 23587

Approval Date: 09/20/2016
Expiration Date: 03/20/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 22N Rge: 20W County: WOODWARD
SPOT LOCATION: SE SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 240 2200

Lease Name: LEMARR 24-22N-20W Well No: 1H Well will be 240 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

THOMAS LEMARR
211 SW 8TH
PLAINVILLE KS 67663

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8410	6	
2	WOODFORD	10025	7	
3	HUNTON	10040	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603616
201603617

Special Orders:

Total Depth: 14473 Ground Elevation: 1899 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 180

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31584
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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 24 Twp 22N Rge 20W County WOODWARD

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 9247

Radius of Turn: 478

Direction: 360

Total Length: 4475

Measured Total Depth: 14473

True Vertical Depth: 10040

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

Additional Surface Owner	Address	City, State, Zip
FLOYD L. SCHANBACHER	2066 E. MESSNER ROAD	WOOSTER, OH 44691

Notes:

Category

Description

COMPLETION INTERVAL

9/15/2016 - G75 - COMPLETION INTERVAL FOR WOODFORD WILL BE GREATER THAN 165' FNL & FSL, GREATER THAN 330' FEL & FWL PER OPERATOR

DEEP SURFACE CASING

9/15/2016 - 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

9/15/2016 - 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.

MEMO

9/15/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201603616

9/15/2016 - G75 - (640)(HOR) 24-22N-20W
VAC 216571 CSTR, MSSLM, HNTN
EST MSSP, WDFD, HNTN
POE TO BHL (MSSP, HNTN) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 9-12-2016 (THOMAS)

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 - 201603617

9/15/2016 - G75 - (I.O.) 24-22N-20W
X201603616 MSSP, HNTN
COMPL. INT. NCT 165' TO SL, NCT 165' TO NL, NCT 660' TO EL, NCT 330' TO WL
NO OP. NAMED
REC 9-19-2016 (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.

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

WOODWARD

County, Oklahoma

API 153-23587

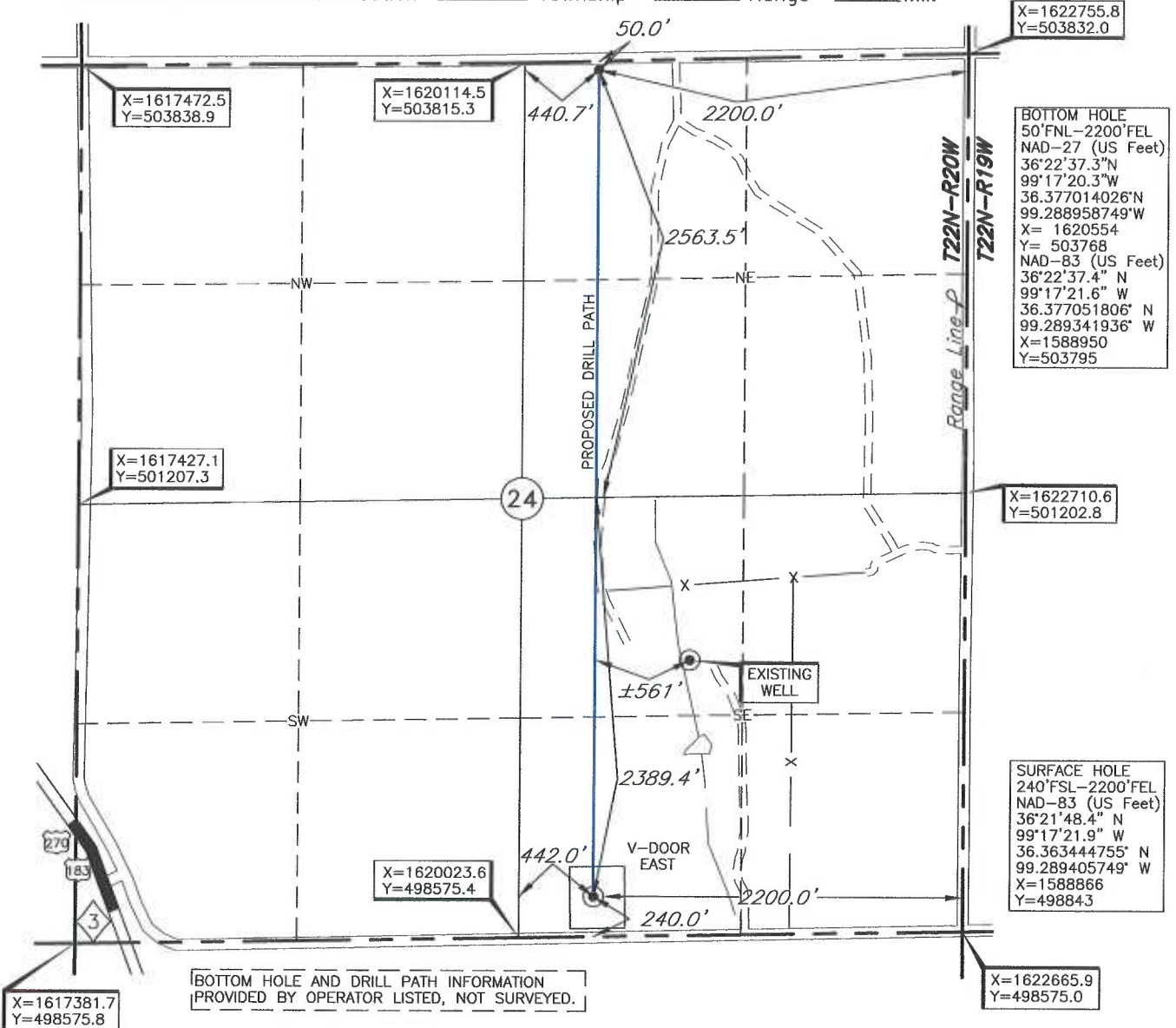
240'FSL-2200'FEL Section 24 Township 22N Range 20W I.M.

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



GRID
 NAD-27
 OK NORTH
 US Feet

Scale:
 1" = 1000'



X=1622755.8
 Y=503832.0

BOTTOM HOLE
 50'FNL-2200'FEL
 NAD-27 (US Feet)
 36°22'37.3"N
 99°17'20.3"W
 36.377014026°N
 99.288958749°W
 X= 1620554
 Y= 503768
 NAD-83 (US Feet)
 36°22'37.4" N
 99°17'21.6" W
 36.377051806° N
 99.289341936° W
 X=1588950
 Y=503795

X=1622710.6
 Y=501202.8

SURFACE HOLE
 240'FSL-2200'FEL
 NAD-83 (US Feet)
 36°21'48.4" N
 99°17'21.9" W
 36.363444755° N
 99.289405749° W
 X=1588866
 Y=498843

X=1617381.7
 Y=498575.8

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

X=1622665.9
 Y=498575.0

Operator: DEVON ENERGY PRODUCTION CO., LP

Lease Name: LEMARR 24-22N-20W

Well No.: 1H

ELEVATION:

1899' Gr. at Stake

Topography & Vegetation Loc. fell in rolling sandy grass pasture

Good Drill Site? Yes

Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction
 from Hwy Jct or Town From Jct. St. Hwy. 34 South and US Hwy. 270 at Woodward, OK, go 3.0 mi. S-SE on US Hwy. 270, then 1.0 mi. East to the SE Cor. of Sec. 24-T22N-R20W

Revision A

Date of Drawing: Sep. 9, 2016

Invoice # 264170

Date Staked: Aug. 23, 2016

AC/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

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)
 DATUM: NAD-27
 LAT: 36°21'48.3"N
 LONG: 99°17'20.5"W
 LAT: 36.363406735°N
 LONG: 99.289022545°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1620470
 Y: 498815

