API NUMBER: 083 24373

Oil & Gas

Horizontal Hole

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

Approval Date: 01/29/2015
Expiration Date: 07/29/2015

620 feet from nearest unit or lease boundary.

PERMIT TO DRILL

WELL LOCATION:	Sec:	21	Twp:	19N	Rge:	3W	County:	LOGAN

SPOT LOCATION: S2 NW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST SECTION LINES: 620 1650

Lease Name: CROSSFIELD A 21-19N-3W Well No: 2WH Well will be

Operator DEVON ENERGY PRODUCTION CO LP Telephone: 4052353611; 4052353 OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE DEC 34.428

OKLAHOMA CITY, OK 73102-5010

RUTH D. DANIEL-MANAGER, DANIEL MANAGEMENT, LTD 8523 THACKERY #1208

DALLAS TX 75225

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

Name Depth Name Depth MISSISSIPPIAN 1 5496 6 2 WOODFORD 5843 7 MISENER-HUNTON 5890 8 3 SYLVAN 5897 9 10 600665 Spacing Orders: Location Exception Orders: Increased Density Orders: 634170

Pending CD Numbers: 201407225 Special Orders:

Total Depth: 10478 Ground Elevation: 5863 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 260

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: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? $\quad \mbox{Y}$

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: GARBER

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 15-29405

H. SEE MEMO

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: GARBER

HORIZONTAL HOLE 1

Sec 21 Twp 19N Rge 3W County LOGAN SW Spot Location of End Point: SE SW SW Feet From: SOUTH 1/4 Section Line: 50 Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5505
Radius of Turn: 358
Direction: 195
Total Length: 4410

Measured Total Depth: 10478

True Vertical Depth: 5897

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

Notes:

Category Description

INCREASED DENSITY - 634170 1/29/2015 - G76 - 21-19N-3W

X600665 MSSP, OTHER

4 WELLS

DEVON ENERGY PROD. CO., L.P.

12/15/2014

MEMO 1/27/2015 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201407225 1/29/2015 - G76 - (I.O.) 21-19N-3W

X600665 MSSP, WDFD, MSRH, SLVN

COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 330 FWL

NO OP. NAMED

REC. 11/10/2014 (NORRIS)

SPACING - 600665 1/29/2015 - G76 - (640)(HOR) 21-19N-3W

EXT 591158 MSSP

EXT 597354 WDFD, MSRH, SLVN

POE TO BHL (MSSP, MSRH, SLVN) NCT 660' FB

POE TO BHL (WDFD) NCT 330' FB

(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH

PRODUCING NON-HORIZONTAL SPACING UNITS)