

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

API NUMBER: 083 24252

Approval Date: 01/31/2014

Expiration Date: 07/31/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 19N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ NE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 423 520

Lease Name: WEINKAUF 24_13-19N-3W

Well No: 1WHX

Well will be 423 feet from nearest unit or lease boundary.

Operator Name: DEVON ENERGY PRODUCTION CO LP

Telephone: 4052353611

OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

DOUGLAS KIRK WEINKAUF
6540 S. LEWIS
TULSA OK 74136

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5416	6	
2	WOODFORD	5730	7	
3	SYLVAN	5788	8	
4			9	
5			10	

Spacing Orders: 599771

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400417
201400416
201400415
201400414
201400413

Special Orders:

Total Depth: 15090

Ground Elevation: 1083

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 330

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? 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: 14-26344

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: GARBER

HORIZONTAL HOLE 1

Sec 13 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5444

Radius of Turn: 409

Direction: 360

Total Length: 9003

Measured Total Depth: 15090

True Vertical Depth: 5853

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

Notes:

Category

Description

MEMO

1/31/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, CONCRETE LINED PIT FOR SOIL FARMING PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201400413

1/31/2014 - G30 - (E.O.) 13 & 24-19N-3W
X201400414 MSSP, WDFD, SLVN, OTHER
X599771 MSSP, WDFD, SLVN, OTHER
EST MULTIUNIT FOR HORIZONTAL WELL PER OCC 165:5-7-62
13-19N-3W (50%)
24-19N-3W (50%)
NO OP. NAMED
REC 1/28/14 (LEAVITT)

PENDING CD - 201400414

1/31/2014 - G30 - (E.O.)(640 HOR) 13-19N-3W
EXT 599771 MSSP, WDFD, SLVN, OTHER
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 1/28/14 (LEAVITT)

PENDING CD - 201400415

1/31/2014 - G30 - 13-19N-3W
X201400414 MSSP, WDFD, SLVN
POE NCT 0 TO SL, NCT 330 TO WL
1ST PERF NCT 0 TO SL, NCT 330 TO WL
LAST PERF NCT 150 TO NL, NCT 330 TO WL
BHL NCT 0 TO NL, NCT 330 TO WL
NO OP. NAMED
REC 1/28/14 (LEAVITT)

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

083 24252 WEINKAUF 24_13-19N-3W 1WHX

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 - 201400416	1/31/2014 - G30 - (E.O.) 24-19N-3W X599771 MSSP, WDFD, SLVN POE NCT 0 TO SL, NCT 330 TO WL 1ST PERF NCT 150 TO SL, NCT 330 TO WL LAST PERF NCT 0 TO NL, NCT 330 TO WL NO OP. NAMED REC 1/28/14 (LEAVITT)
PENDING CD - 201400417	1/31/2014 - G30 - 24-19N-3W X599771 MSSP 1 WELL NO OP. NAMED REC 1/28/14 (LEAVITT)
SPACING - 599771	1/31/2014 - G30 - (640 HOR) 24-19N-3W EST MSSP, WDFD, SLVN, OTHER POE TO BHL (MSSP, SLVN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)