

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

API NUMBER: 047 24835 A

Approval Date: 04/14/2014  
Expiration Date: 10/14/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE HOLE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 21N Rge: 3W County: GARFIELD  
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 300 200

Lease Name: OLMSTEAD 28\_33-21N-3W Well No: 1WHX Well will be 200 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

BRYAN N. OLMSTEAD  
8400 MOJAVE TRL.  
FORT WORTH TX 76116

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5476	6	
2	WOODFORD	5834	7	
3	SYLVAN	5905	8	
4	VIOLA	5905	9	
5			10	

Spacing Orders: 605009  
622782

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400898  
201401291  
201401292

Special Orders:

Total Depth: 16750

Ground Elevation: 1199

Surface Casing: 450

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: 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: 14-26499

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 33 Twp 21N Rge 3W County GARFIELD

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 5650

Radius of Turn: 358

Direction: 181

Total Length: 10419

Measured Total Depth: 16750

True Vertical Depth: 5905

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

Notes:

Category

Description

DEEP SURFACE CASING

4/1/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

MEMO

4/1/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201400898

4/1/2014 - G30 - (640) 28-21N-3W  
VAC 231672 MSSSD, VIOL, OTHERS  
(HOR) EXT 619295 MSSP, WDFD, SLVN, VIOL, OTHER  
(HOR) EST OTHER  
(VER) EST OTHERS  
POE TO BHL (MSSP, VIOL) NCT 660' FB  
POE TO BHL (WDFD, SLVN) NCT 330' FB  
REC 4/11/14 (P.PORTER)

PENDING CD - 201401291

4/1/2014 - G30 - 28 & 33-21N-3W  
X605009 MSSP, WDFD, SLVN 33-21N-3W  
X622782 VIOL 33-21N-3W  
X201400898 MSSP, WDFD, SLVN, VIOL 28-21N-3W  
EST MULTIUNIT FOR HORIZONTAL WELL PER 1655:165:5-7-6.2  
NO OP. NAMED  
REC 4/11/14 (P.PORTER)

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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.

047 24835 OLMSTEAD 28\_33-21N-3W 1WHX

Category	Description
PENDING CD - 201401292	<p>4/1/2014 - G30 - 28-21N-3W  X605009 MSSP, WDFD, SLVN 33-21N-3W  X20140899 VIOL 33-21N-3W  X20140898 MSSP, WDFD, SLVN, VIOL 28-21N-3W  SHL NCT 300 FSL, NCT 200 FEL 21-21N-3W  1ST PERF (MSSP, WDFD, SLVN) NCT 150 FNL, NCT 330 FEL 28-21N-3W  LAST PERF (MSSP, WDFD, SLVN) NCT 0 FSL, NCT 330 FEL 28-21N-3W  1ST PERF (VIOL) NCT 330 FNL, NCT 330 FEL 28-21N-3W  LAST PERF (VIOL) NCT 0 FSL, NCT 330 FEL 28-21N-3W  1ST PERF (MSSP, WDFD, SLVN) NCT 0 FNL, NCT 330 FEL 33-21N-3W  LAST PERF (MSSP, WDFD, SLVN) NCT 150 FSL, NCT 330 FEL 33-21N-3W  1ST PERF (VIOL) NCT 0 FNL, NCT 330 FEL 33-21N-3W  LAST PERF (VIOL) NCT 330 FSL, NCT 330 FEL 33-21N-3W  NO OP. NAMED  REC 4/11/14 (P.PORTER)</p>
SPACING - 605009	<p>4/1/2014 - G30 - (640 HOR) 33-21N-3W  EST MSSP, WDFD, SLVN, OTHER  POE TO BHL (MSSP, SLVN) NCT 660' FB  POE TO BHL (WDFD) NCT 330' FB  (SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH  PRODUCING NON-HORIZONTAL SPACING UNITS)</p>
SPACING - 622782	<p>4/1/2014 - G30 - (640 HOR) 33-21N-3W  EXT 619295 VIOL  POE TO BHL NCT 660' FB  (SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH  PRODUCING NON-HORIZONTAL SPACING UNITS)</p>

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