

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

API NUMBER: 119 24191 A

Approval Date: 03/05/2014
Expiration Date: 09/05/2014

Horizontal Hole Oil & Gas

Amend reason: AMENDED TO CHANGE THE WELL NAME AND ADD THE CHEROKEE FORMATION.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 20N Rge: 3E County: PAYNE
SPOT LOCATION: SW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 335 2188

Lease Name: RON 16-20N-3E Well No: 1MH Well will be 335 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 DEC 34.428
OKLAHOMA CITY, OK 73102-5010

RONNIE DEAN THOMASON
1733 AUGUSTA DRIVE
ADA OK 74820

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

Name	Depth	Name	Depth
1 CHEROKEE	3801	6	
2 MISSISSIPPIAN	4259	7	
3 WOODFORD	4419	8	
4 MISENER-HUNTON	4457	9	
5 SYLVAN	4486	10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400271
201400661
201401660
201401661

Special Orders:

Total Depth: 10021 Ground Elevation: 1024 **Surface Casing: 680** Depth to base of Treatable Water-Bearing FM: 630

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: 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? Y

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: OSCAR

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26577
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: 325000 Average: 250000

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: OSCAR

HORIZONTAL HOLE 1

Sec 16 Twp 20N Rge 3E County PAYNE

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1780

Depth of Deviation: 4276

Radius of Turn: 358

Direction: 357

Total Length: 5183

Measured Total Depth: 10021

True Vertical Depth: 4486

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

Notes:

Category

Description

MEMO

3/4/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201400271

3/4/2014 - G30 - (640 HOR) 16-20N-3E
X607346 MSSP, WDFD, MSRH, SLVN, OTHER
POE TO BHL NCT 660' FB
(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 2/25/14 (NORRIS)

PENDING CD - 201400661

3/4/2014 - G30 - 16-20N-3E
X201400271 MSSP, WDFD, MSRH, SLVN, OTHER
1ST PERF NCT 150 FSL, NCT 330 FWL
LAST PERF NCT 150 FNL, NCT 330 FWL
NO OP. NAMED
REC 2/25/14 (NORRIS)

PENDING CD - 201401660

3/11/2014 - G30 - (640 HOR) 16-20N-3E
EST CHRK
POE TO BHL NCT 660' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 3/14/14 (P.PORTER)

PENDING CD - 201401661

3/11/2014 - G30 - 16-20N-3E
X201401660 CHRK
1ST PERF NCT 330 FSL, NCT 330 FWL
LAST PERF NCT 330 FNL, NCT 330 FWL
NO OP. NAMED
REC 3/14/14 (P.PORTER)

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

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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.

119 24191 RON 16-20N-3E 1MH

Category

Description

WELLHEAD PROTECTION AREA

3/4/2014 - G71 - YOST LAKE COUNTRY CLUB - 1 WPA, NW/4 20-20N-3E

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