

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

API NUMBER: 083 24251 A

Approval Date: 01/31/2014
Expiration Date: 07/31/2014

Horizontal Hole Oil & Gas

Amend reason: ADD CHEROKEE GROUP.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 19N Rge: 2W

County: LOGAN

SPOT LOCATION: SW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 285 424

Lease Name: MARILYN 9-19N-2W

Well No: 1MH

Well will be 285 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

KARL E. KLINGAMAN & MARILYN J. KLINGAMAN, H&W
1026 E. COUNTY ROAD 61
ORLANDO OK 73073

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

	Name	Depth	Name	Depth
1	CHEROKEE GROUP	5070	6	
2	MISSISSIPPIAN	5094	7	
3	WOODFORD	5249	8	
4	SYLVAN	5333	9	
5			10	

Spacing Orders: 619185

Location Exception Orders: 619687

Increased Density Orders:

Pending CD Numbers: 201401992
201401993

Special Orders:

Total Depth: 9993

Ground Elevation: 1091

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 170

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: 13-26066

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 09 Twp 19N Rge 2W County LOGAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 460

Depth of Deviation: 4410

Radius of Turn: 716

Direction: 360

Total Length: 4205

Measured Total Depth: 9993

True Vertical Depth: 5333

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

Notes:

Category

Description

DEEP SURFACE CASING

1/31/2014 - 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

LOCATION EXCEPTION - 619687

1/31/2014 - G30 - (I.O.) 9-19N-2W
X619185 MSSP, WDFD, SLVN, OTHER
POE NCT 0 TO SL, NCT 330 TO EL
1ST PERF NCT 150 TO SL, NCT 330 TO EL
LAST PERF NCT 150 TO NL, NCT 330 TO EL
BHL NCT 0 TO NL, NCT 330 TO EL
DEVON ENERGY PRODUCTION COMPANY, L.P.
12/27/13

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 - 201401992

3/31/2014 - G30 - (640 HOR) 9-19N-2W
EST CHRGP
POE TO BHL NLT 660' FB
REC 3/31/14 (DECKER)

PENDING CD - 201401993

3/31/2014 - G30 - 9-19N-2W
X201401992 CHRGP
COMP. INT. 2020 FNL, 451 FEL - 1618 FNL, 417 FEL
NO OP. NAMED
REC 3/31/14 (DECKER)

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

083 24251 MARILYN 9-19N-2W 1MH

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

SPACING - 619185

1/31/2014 - G30 - (640 HOR) 9-19N-2W
EXT 615993 MSSP, WDFD, SLVN, OTHER
POE TO BHL (MSSP) NLT 660' FB, NCT 600' FWB
POE TO BHL (WDFD, SLVN) NCT 330' FB, NCT 600' FWB
(SUPERSEDE SP. 54937/55233 MISS)

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.