API NUMBER: 083 24089

Horizontal Hole Oil & Gas

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

Approval Date: 03/19/2013
Expiration Date: 09/19/2013

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 18N Rge: 3W County: LOGAN

SPOT LOCATION: SW SW SW SW

FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**

SECTION LINES: **299** **313**

Lease Name: LAVERA 5-18N-3W **Well No: 1WH** **Well will be 299 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 SHERIDIAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

ELIZABETH A. WILLIAMS
6201 BEAVER CREEK RD.
OKLAHOMA CITY OK 73162

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	5542	6		
2	WOODFORD	5872	7		
3	MISENER-HUNTON	5935	8		
4	SYLVAN	5942	9		
5			10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201301731
201301732

Special Orders:

Total Depth: 10518 Ground Elevation: 947 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 320

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? N

Pit **is** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-22875

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 05 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5191

Radius of Turn: 716

Direction: 3

Total Length: 4212

Measured Total Depth: 10518

True Vertical Depth: 5962

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

Notes:

Category	Description
MEMO	3/19/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201301731	3/19/2013 - G30 - (640 HOR) 5-18N-3W EXT 603513 MSSP, WDFD, MSRH EST SLVN REC 3/15/13 (LEAVITT)
PENDING CD - 201301732	3/19/2013 - G30 - (E.O.) 5-18N-3W X201301731 MSSP, WDFD, SLVN, MSRH POE NCT 0 TO SL, NCT 330 TO WL 1ST PERF NCT 150 TO SL, NCT 330 TO WL LAST PERF NCT 150 TO NL, NCT 330 TO WL BHL NCT 0 TO FNL, NCT 330 TO WL NO OP. NAMED REC 3/15/13 (LEAVITT)