

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

API NUMBER: 137 27154

Approval Date: 01/08/2014
Expiration Date: 07/08/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 2N Rge: 5W County: STEPHENS
SPOT LOCATION: SE SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 95 1807

Lease Name: TURNER TRUST Well No: 2-12H Well will be 95 feet from nearest unit or lease boundary.
Operator Name: VITRUVIAN II WOODFORD LLC Telephone: 8324583149 OTC/OCC Number: 23144 0

VITRUVIAN II WOODFORD LLC
4 WATERWAY SQ PL STE 400
THE WOODLANDS, TX 77380-2692

WILLIAM JEFFERSON TURNER REV. TRUST
HC 64, BOX 99
MARLOW OK 73055

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

	Name	Depth	Name	Depth
1	SYCAMORE	15732	6	
2	WOODFORD	15934	7	
3	HUNTON	16366	8	
4			9	
5			10	

Spacing Orders: 391863
171539

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201308331
201308330
201308440

Special Orders:

Total Depth: 21500 Ground Elevation: 1179 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 260

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 BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-26055
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: DUNCAN

HORIZONTAL HOLE 1

Sec 12 Twp 2N Rge 5W County STEPHENS

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 15194

Radius of Turn: 740

Direction: 355

Total Length: 5143

Measured Total Depth: 21500

True Vertical Depth: 16366

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

1/3/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

MEMO

1/3/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201308330

1/6/2014 - G75 - 12-2N-5W
X171539 HNTN
X391863 SCMR, WDFD
2 WELLS
NO OP. NAMED
REC 1-8-2014 (M. PORTER)

PENDING CD - 201308331

1/6/2014 - G75 - (I.O.) 12-2N-5W
X171539 HNTN
X391863 SCMR, WDFD
SHL NCT 10 FSL, NCT 1320 FWL
FIRST PERF NCT 150 FSL, NCT 1550 FWL
LAST PERF NCT 150 FNL, NCT 1550 FWL
NO OP. NAMED
REC 1-8-2014 (M. PORTER)

PENDING CD - 201308440

1/6/2014 - G75 - (I.O.) 12-2N-5W
X165:10-3-28(C)(2)(B) SCMR, WDFD, HNTN (TURNER TRUST 2-12H)
NCT 60' FROM LEDBETTER 1-12 (API 137-25305)
VITRUVIAN II WOODFORD LLC
REC 1-8-2014 (M. PORTER)

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137 27154 TURNER TRUST 2-12H

Category	Description
SPACING - 171539	1/6/2014 - G75 - (640) 12-2N-5W EXT OTHERS EXT 146081 HNTN, OTHERS
SPACING - 391863	1/6/2014 - G75 - (640) 12-2N-5W EXT 383871 SCMR, WDFD

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