

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

API NUMBER: 137 27196

Approval Date: 04/07/2014  
Expiration Date: 10/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 2N Rge: 5W

County: STEPHENS

SPOT LOCATION:  SW  NW  SE  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 770 1565

Lease Name: BOYD

Well No: 2-14H

Well will be 770 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

JEAN S. BOYD  
407 N. 4TH  
MARLOW OK 73055

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

	Name	Depth	Name	Depth
1	SYCAMORE	14043	6	
2	WOODFORD	14302	7	
3	HUNTON	14553	8	
4			9	
5			10	

Spacing Orders: 383871  
215000

Location Exception Orders: 620900

Increased Density Orders: 620816

Pending CD Numbers: 201401644

Special Orders:

Total Depth: 20000

Ground Elevation: 1105

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 310

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26599

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 14 Twp 2N Rge 5W County STEPHENS

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 550

Depth of Deviation: 14317

Radius of Turn: 740

Direction: 330

Total Length: 5540

Measured Total Depth: 20000

True Vertical Depth: 15057

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

Notes:

Category

Description

DEEP SURFACE CASING

3/4/2014 - 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

INCREASED DENSITY - 620816

3/6/2014 - G30 - 14-2N-5W  
X383871 SCRM, WDFD  
X268948 HNTN\*\*  
1 WELL  
VITRUVIAN II WOODFORD, LLC  
1/24/14

\*\*S/B 215000, NPT TO BE FILED TO CORRECT SPACING ORDER NUMBER

LOCATION EXCEPTION - 620900

3/6/2014 - G30 - (I.O.) 14-2N-5W  
X383871 SCRM, WDFD  
X268948 HNTN\*\*  
SHL NCT 330 FSL, NCT 1320 FWL  
1ST PERF NCT 150 FSL, NCT 330 FWL  
LAST PERF NCT 150 FNL, NCT 330 FWL  
VITRUVIAN II WOODFORD, LLC  
1/27/14

\*\*S/B 215000, TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION

MEMO

3/6/2014 - G30 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (PER OPERATOR OPTION); PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

Category	Description
PENDING CD - 201401644	3/26/2014 - G30 - 14-2N-5W X165:10-3-28(C)(2)(B) AS CLOSE AS 100' TO BOYD 1-14 (137-25557) & HUSSEY A1-14 (137-24300) NO OP. NAMED HEARING 4/7/14
SPACING - 215000	3/6/2014 - G30 - (640) 14-2N-5W EXT 171539 HNTN, OTHERS
SPACING - 383871	3/6/2014 - G30 - (640) 14-2N-5W EXT 316639 SCMR, WDFD

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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.