

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

API NUMBER: 137 27491

Approval Date: 02/10/2017

Expiration Date: 08/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 2N Rge: 5W

County: STEPHENS

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 275 895

Lease Name: BIG JOHN

Well No: 1-14X23H

Well will be 275 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

HUSSEY ENTERPRISES, INC
21 SW 97TH STREET
OKLAHOMA CITY OK 73139

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

	Name	Depth	Name	Depth
1	SYCAMORE	13723	6	
2	WOODFORD	14025	7	
3	HUNTON	14352	8	
4			9	
5			10	

Spacing Orders: 383871
215000
383737

Location Exception Orders: 653431
652905

Increased Density Orders: 652850
652680

Pending CD Numbers: 201601243

Special Orders:

Total Depth: 25200

Ground Elevation: 1168

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

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: 2500

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

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

PERMIT NO: 16-31713

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 23 Twp 2N Rge 5W County STEPHENS

Spot Location of End Point: S2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 25

Feet From: WEST 1/4 Section Line: 990

Depth of Deviation: 13884

Radius of Turn: 750

Direction: 178

Total Length: 10138

Measured Total Depth: 25200

True Vertical Depth: 16500

End Point Location from Lease,
Unit, or Property Line: 25

Notes:

Category

Description

DEEP SURFACE CASING

2/2/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 653431

2/2/2017 - G75 - (I.O.) 14-2N-5W
X165:10-3-28(C)(2)(B) SCMR, WDFD, HNTN (BIG JOHN 1-14X23H)
NCT 50' TO HUSSY A 1-14, NCT 250' TO BOYD 1-14
VITRUVIAN II WOODFORD, LLC
6-13-2016

HYDRAULIC FRACTURING

2/2/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INCREASED DENSITY - 652680

2/2/2017 - G75 - 23-2N-5W
X ? SCMR, WDFD, HNTN **
1 WELL
VITRUVIAN II, WOODFORD, LLC
5-16-2016

** S/B X383737 SCMR, WDFD, HNTN; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC

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.

137 27491 BIG JOHN 1-14X23H

Category	Description
INCREASED DENSITY - 652850	2/2/2017 - G75 - 14-2N-5W X215000 HNTN X383871 SCMR, WDFD 1 WELL VITRUVIAN II WOODFORD, LLC 5-20-2016
LOCATION EXCEPTION - 652905	2/2/2017 - G75 - (I.O.) 14 & 23-2N-5W X215000 HNTN 14-2N-5W X383871 SCMR, WDFD 14-2N-5W X383737 SCMR, WDFD, HNTN 23-2N-5W SHL (11-2N-5W) NCT 275' FSL, NCT 895' FWL COMPL. INT. (14-2N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (23-2N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL VITRUVIAN II WOODFORD, LLC 5-24-2016
MEMO	2/2/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201601243	2/2/2017 - G75 - (I.O.) 14 & 23-2N-5W EST MULTIUNIT HORIZONTAL WELL X215000 HNTN 14-2N-5W X383871 SCMR, WDFD 14-2N-5W X383737 SCMR, WDFD, HNTN 23-2N-5W (SCMR, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 14-2N-5W 50% 23-2N-5W VITRUVIAN II WOODFORD, LLC REC 5-2-2016 (NORRIS)
SPACING - 215000	2/2/2017 - G75 - (640) 14-2N-5W EXT 171539 HNTN, OTHERS
SPACING - 383737	2/2/2017 - G75 - (640) 23-2N-5W EST OTHERS EST WDFD, OTHER EXT 185524/VAR SCMR, HNTN, OTHERS
SPACING - 383871	2/2/2017 - G75 - (640) 14-2N-5W EXT 316639 SCMR, WDFD



Well Location Plat

S.H.L. Sec. 11-2N-5W I.M.
B.H.L. Sec. 23-2N-5W I.M.

API 137-27491

Operator: VITRUVIAN II WOODFORD, LLC
Lease Name and No. : BIG JOHN 1-14X23H
Footage : 275' FSL - 895' FWL GR. ELEVATION : 1168' Good Site? YES
Section: 11 Township: 2N Range: 5W I.M.
County : Stephens State of Oklahoma
Alternate Loc.: N/A

Terrain at Loc. : Location fell in open pasture with existing Marathon Oil wells due North and Northwest, and existing pipelines due North and South.

Accessibility : From the South.

Directions : From the junction of State Highway 76 and State Highway 29 South of the town of Lindsay, OK, go 6.0 miles West on State Highway 29, and 1.0 mile North on "NS 297 RD." to the Southwest Corner of Section 11-2N-5W.



0 750 1500 2250
1"=1500'

GPS DATUM
NAD - 27
OK SOUTH ZONE

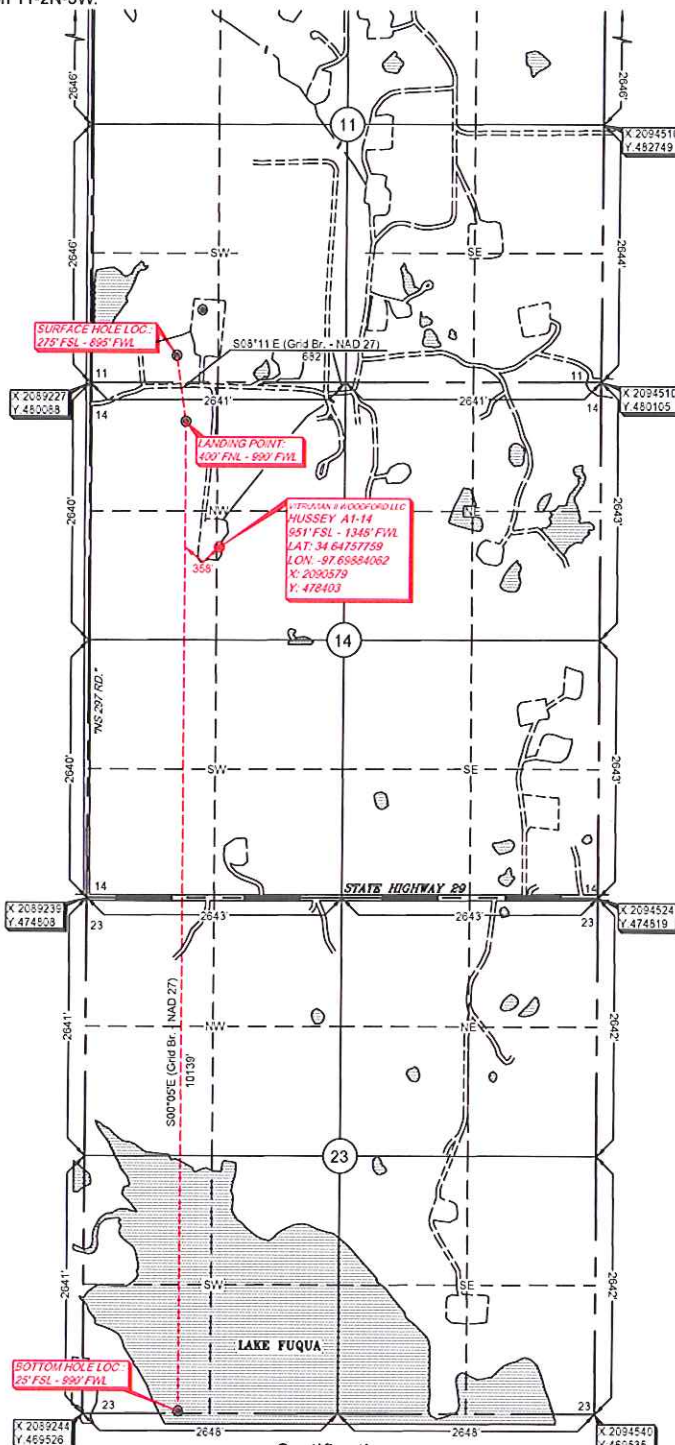
Surface Hole Loc.:
Lat: 34.65297645
Lon: -97.70034369
X: 2090121
Y: 480366

Landing Point:
Lat: 34.65112171
Lon: -97.70002745
X: 2090218
Y: 479691

Bottom Hole Loc.:
Lat: 34.62326148
Lon: -97.70007572
X: 2090234
Y: 469553

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2016

Invoice #5952-A
Date Staked : 11/16/15 By : C.K.
Date Drawn : 11/18/15 By : J.H.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis 11/23/15
LANCE G. MATHIS OK LPLS 1664

