

*Amended*  
**KANSAS CORPORATION COMMISSION**  
**OIL & GAS CONSERVATION DIVISION**  
**APPLICATION FOR SURFACE PIT**

Form COP-1  
 May 2010  
 Form must be Typed

*Submit in Duplicate*

Operator Name: <b>Vitruvian Exploration, LLC</b>		License Number: <b>34516</b>	
Operator Address: <b>4 Waterway Sq. Pl., Suite 400</b>		The Woodlands TX <b>77380</b>	
Contact Person: <b>Rhuben Coffey</b>		Phone Number: <b>832-458-3149</b>	
Lease Name & Well No.: <b>Willey 1-5 SWD</b>		Pit Location (QQQQ): <b>SW SE SE SW</b>	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit (If WP Supply API No. or Year Drilled)		Pit Location (QQQQ): Sec. <b>5</b> Twp. <b>35</b> R. <b>3</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>285</b> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section <b>2,270</b> Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section <b>Sumner</b> County	
Pit Is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: <b>3,000</b> (bbls)			
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		How is the pit lined if a plastic liner is not used? <b>Native Clay</b>	
Pit dimensions (all but working pits): <b>60 125</b> Length (feet) <b>18 125</b> Width (feet)		<input type="checkbox"/> N/A: Steel Pits	
Depth from ground level to deepest point: <b>18 5</b> (feet)		<input type="checkbox"/> No Pit	
If the pit is lined give a brief description of the liner material, thickness and installation procedure. <b>The pit will be lined with a 10-20 mil plastic liner. The liner will be rolled across the entire length, width and side walls of the pit.</b>		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. <b>The pit liner will be visually inspected periodically for integrity.</b>	
Distance to nearest water well within one-mile of pit: <b>N/A</b> feet    Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <b>Water and water based mud</b> Number of working pits to be utilized: <b>1</b> Lendowner is interested in land farming the cuttings. Abandonment procedure: <b>Pit will be closed and abandoned per KCC regulations.</b> <b>RECEIVED</b> <b>APR 29 2011</b> Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.			
_____ Date		_____ Signature of Applicant or Agent	

15791-22602-0000

<b>KCC OFFICE USE ONLY</b>			
		<input type="checkbox"/> Liner <input type="checkbox"/> Steel Pit <input type="checkbox"/> RFAC <input type="checkbox"/> RFAS	
Date Received: <b>4-29-11</b>	Permit Number: _____	Permit Date: <b>5-2-11</b>	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



phone: 316-337-6200  
fax: 316-337-6211  
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

**NOTICE TO OPERATORS FILING INTENT TO DRILL  
FOR DISPOSAL OR ENHANCED RECOVERY  
INJECTION WELLS, (CLASS II INJECTION WELL)**

The attached approved Notice of Intent to Drill indicates the proposed well is to be used for injection. An approved "Intent to Drill" does not approve injection authority as a Class II Injection Well in Kansas.

Before any well is used for injection purposes, the operator must file an application for injection authority in accordance with K.A.R. 82-3-401 and provide notice in accordance with K.A.R. 82-3-402. The Conservation Division must issue a written permit granting the application before commencement of injection.

The Conservation Division requirements and restrictions associated with Class II Injection are identified in **K.A.R. 82-3-400 et seq** of our regulations. Associated regulations governing drilling, completion and injection applications may be found in K.A.R. 82-3-135, Table I, Table II, in the Cedar Hills Sandstone Moratorium, (Docket #156,397-C), and the Eastern Kansas Surface Casing Order, (Docket #133,891-C).

If you have questions regarding the approval of injection authority, an injection application may be filed as a "Design Approval" before actual drilling and completion of the well occurs. If you have any questions or concerns regarding Class II injection wells or regulations, call the Underground Injection Control Department at 316-337-6200.

Failure to obtain commission approval before beginning injection is punishable by a penalty, shut-in of the well or both.

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APR 29 2011

Form C-1  
March 2010  
Form must be Typed  
Form must be Signed  
All blanks must be Filled

For KCC Use:  
Effective Date: 5-7-2011  
District #: 2  
SGA?  Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

NOTICE OF INTENT TO DRILL

KCC WICHITA

Must be approved by KCC five (5) days prior to commencing well

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

Expected Spud Date: June 27 2011  
month day year

OPERATOR: License# 34516 ✓  
Name: Vitruvian Exploration, LLC  
Address 1: 4 Waterway Sq. Pl., Suite 400  
Address 2: \_\_\_\_\_  
City: The Woodlands State: TX Zip: 77380 + \_\_\_\_\_  
Contact Person: Rhuben Coffey  
Phone: 832-458-3149

CONTRACTOR: License# 33596 ✓  
Name: Unit Petroleum Company

Well Drilled For:  Oil  Gas  Seismic  Other: \_\_\_\_\_  
Well Class:  Enh Rec  Storage  Disposal  # of Holes \_\_\_\_\_  
Type Equipment:  Mud Rotary  Air Rotary  Cable  Infield  Pool Ext.  Wildcat  Other \_\_\_\_\_

If OWWO: old well information as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Completion Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Directional, Deviated or Horizontal wellbore?  Yes  No  
If Yes, true vertical depth: \_\_\_\_\_  
Bottom Hole Location: \_\_\_\_\_  
KCC DKT #: \_\_\_\_\_

Spot Description: \_\_\_\_\_  
NW - SE - SE - SW Sec. 5 Twp. 35 S. R. 3  E  W  
(or/or/or) 365 feet from  N /  S Line of Section  
2,283 feet from  E /  W Line of Section

Is SECTION:  Regular  Irregular?  
(Note: Locate well on the Section Plat on reverse side)

County: Sumner  
Lease Name: Wiley Well #: 1-S SWD  
Field Name: Wildcat

Is this a Prorated / Spaced Field?  Yes  No

Target Formation(s): Arbuckle  
Nearest Lease or unit boundary line (in footage): 357

Ground Surface Elevation: 1,181 feet MSL  
Water well within one-quarter mile:  Yes  No  
Public water supply well within one mile:  Yes  No

Depth to bottom of fresh water: 260 100  
Depth to bottom of usable water: 260 210

Surface Pipe by Alternate:  I  II

Length of Surface Pipe Planned to be set: 260'  
Length of Conductor Pipe (if any): 100'

Projected Total Depth: 6,098'  
Formation at Total Depth: Arbuckle

Water Source for Drilling Operations:  
 Well  Farm Pond  Other: Bluff Creek

DWR Permit #: \_\_\_\_\_  
(Note: Apply for Permit with DWR)

Will Cores be taken?  Yes  No  
If Yes, proposed zone: May take RSWCs from Miss. and Chattanooga

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office prior to spudding of well;
2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 DAYS of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cementing.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: April 28, 2011 Signature of Operator or Agent: \_\_\_\_\_ Title: Attorney

For KCC Use ONLY  
API # 15 - 191-22602-00-00  
Conductor pipe required None feet  
Minimum surface pipe required 250 feet per ALT.  I  II  
Approved by: Rub 5-2-2011  
This authorization expires: 5-2-2012  
(This authorization void if drilling not started within 12 months of approval date.)  
Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

Remember to:

- File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill;
- File Drill Plat Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well will not be drilled or Permit Expired Date: \_\_\_\_\_  
Signature of Operator or Agent: \_\_\_\_\_

Mail to: KCC - Conservation Division,  
130 S. Market - Room 2078, Wichita, Kansas 67202

5  
35  
3  
m  
W

For KCC Use ONLY

API # 15 - 191-22602-0000

**IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW**

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: Vitruvian Exploration, LLC

Lease: Willey

Well Number: 1-5 SWD

Field: Wildcat

Number of Acres attributable to well: \_\_\_\_\_

QTR/QTR/QTR/QTR of acreage: NW - SE - SE - SW

Location of Well: County: Sumner

365 feet from  N /  S Line of Section

2,283 feet from  E /  W Line of Section

Sec. 5 Twp. 35 S. R. 3  E  W

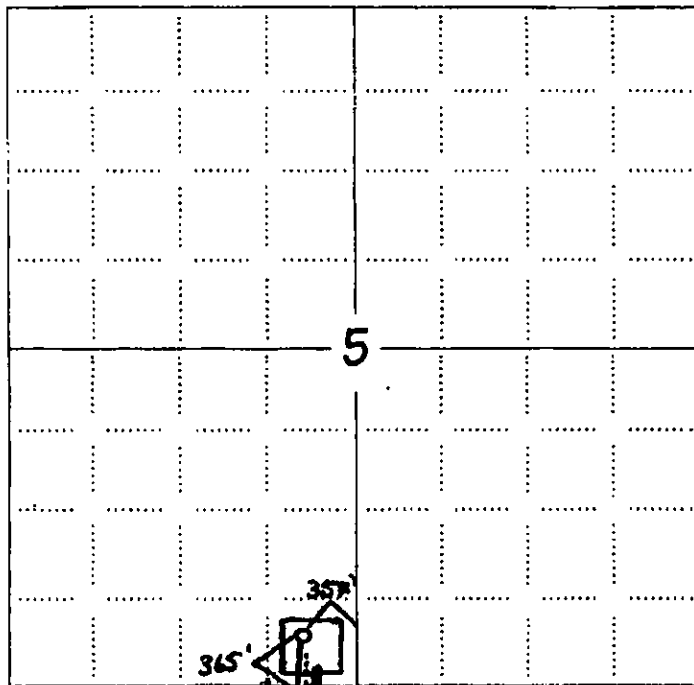
Is Section:  Regular or  Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used:  NE  NW  SE  SW

**PLAT**

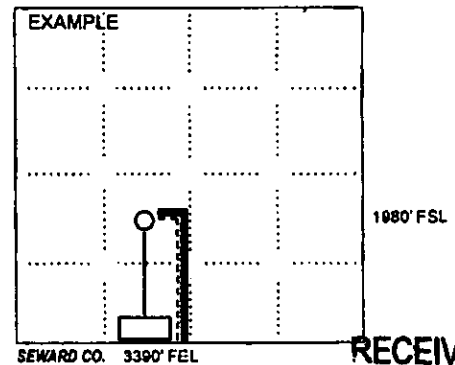
Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



NOTE: In all cases locate the spot of the proposed drilling location.

**LEGEND**

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



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In plotting the proposed location of the well, you must show:

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (CO-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

SUMNER County, Kansas  
 365' FSL-2283' FWL Section 5 Township 35S Range 3W P.M.



CORNER COORDINATES ARE FROM LAND GRID, NOT SURVEYED



This location is based on the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured.

Operator: VITRUVIAN EXPLORATION, LLC  
 Lease Name: WILLEY

**ELEVATION:**  
1161' Gr. at Stake

Well No.: 1-5 SWD

Topography & Vegetation: Loc. fell in harvested corn field

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 APR 29 2011

Good Drill Site? Yes Reference Stakes or Alternate Location  
 Stakes Set None

Best Accessibility to Location: From South off county road  
 Distance & Direction: From Caldwell, KS, go ±0.6 mile West, then ±0.5 mile South, then 3 miles West to the SW Cor. of Sec. 5-T35S-R3W

KCC WICHITA

The following information was gathered using a GPS receiver  
 Accuracy ±2-3 Meters.

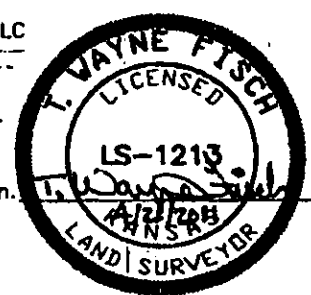
Revision  A Date of Drawing: Apr. 21, 2011  
 Invoice # 165343A Date Staked: Apr. 20, 2011 LC

GPS  
 DATUM: NAD-27  
 LAT: 37°01'31.5"N  
 LONG: 97°39'53.8"W  
 STATE PLANE  
 COORDINATES:  
 ZONE: KS SOUTH  
 X: 2243800  
 Y: 131716

**CERTIFICATE:**

I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Kansas Reg. No. 1213

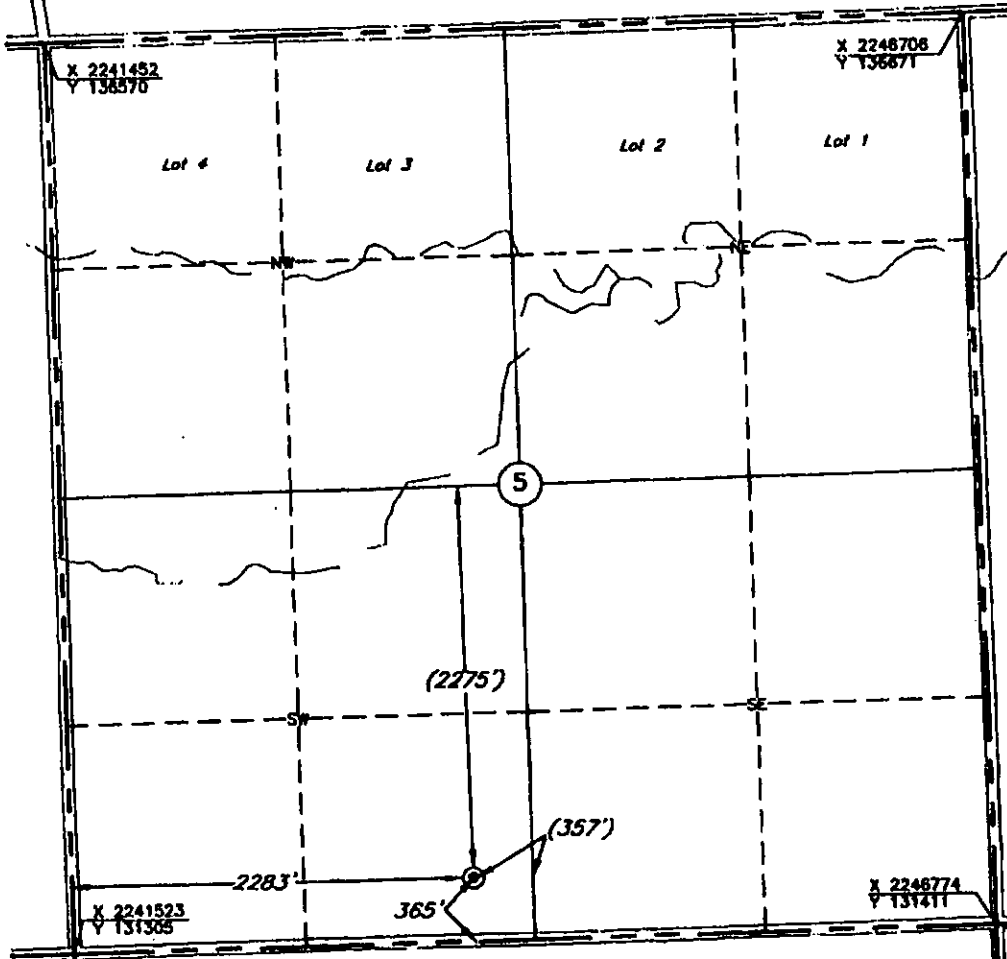


15-191-22602-00-00

SUMNER

County, Kansas

365' FSL - 2283' FWL Section 5 Township 35S Range 3W P.M.



CORNER COORDINATES ARE FROM LAND GRID, NOT SURVEYED



This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plot and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured.

Operator: VITRUVIAN EXPLORATION, LLC  
 Lease Name: WILLEY

**ELEVATION:**  
1161' Gr. at Stake

Well No.: 1-5 SWD

Topography & Vegetation Loc. fell in harvested corn field

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

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APR 29 2011

Best Accessibility to Location From South off county road  
 Distance & Direction from Hwy Jct or Town From Caldwell, KS, go ±0.6 mile West, then ±0.5 mile South, then 3 miles West to the SW Cor. of Sec. 5-T35S-R3W

KCC WICHITA

(The following information was gathered using a GPS receiver Accuracy ±2-3 Meters.)

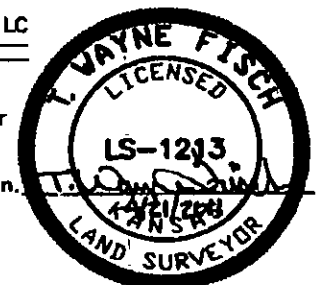
GPS  
 DATUM: NAD-27  
 LAT: 37°01'31.5"N  
 LONG: 97°39'53.8"W  
 STATE PLANE COORDINATES:  
 ZONE: KS SOUTH  
 X: 2243800  
 Y: 131716

Revision  A Date of Drawing: Apr. 21, 2011  
 Invoice # 165343A Date Staked: Apr. 20, 2011 LC

**CERTIFICATE:**

I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Kansas Reg. No. 1213

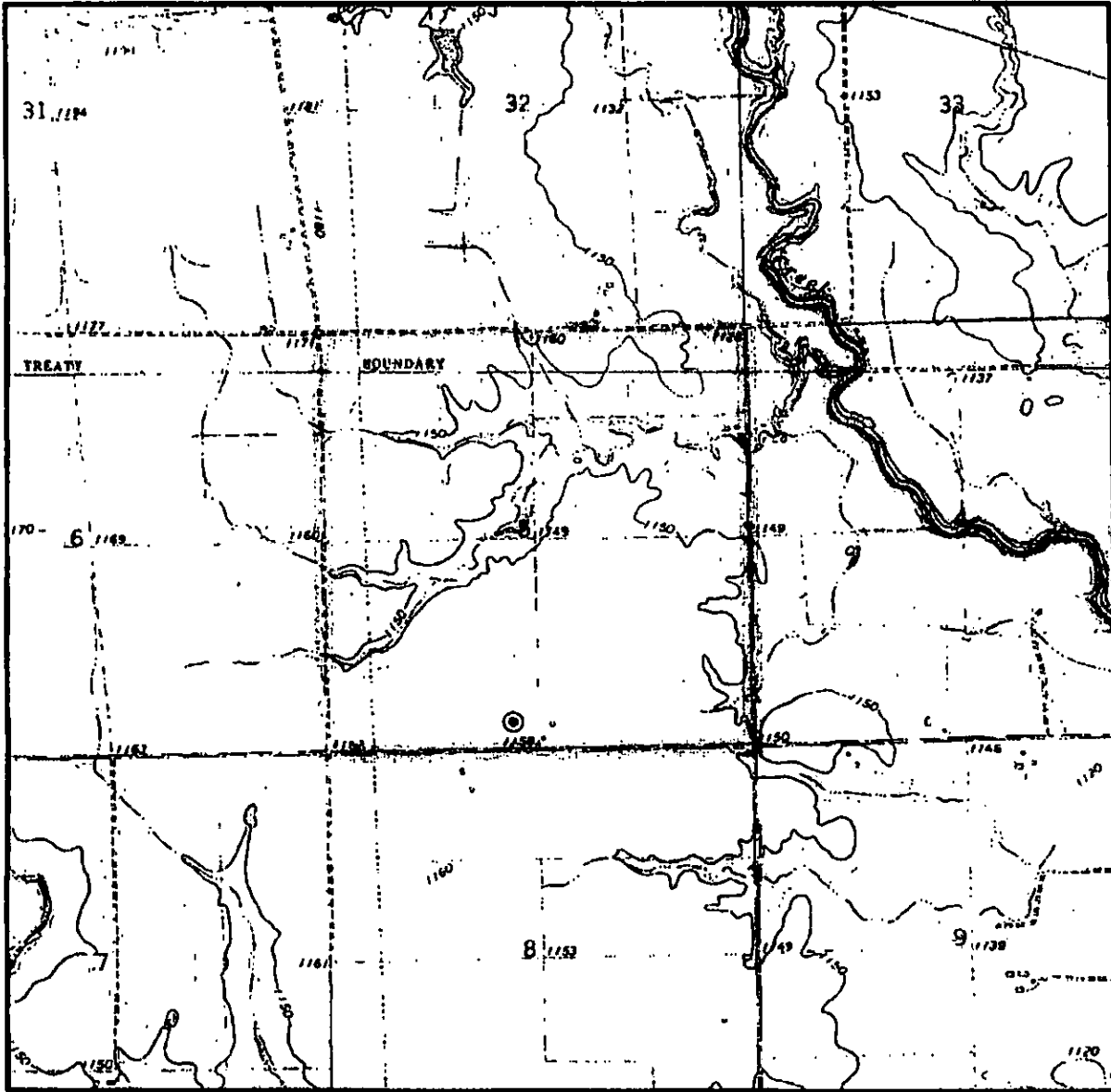


# TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry  
 6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com  
 Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

15791-22602-0000

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 5 Twp. 35S Rng. 3W

County SUMNER State KS

Operator VITRUVIAN EXPLORATION, LLC

Description 365' FSL - 2383' FWL

Lease WILLEY 1-5H SWD

Elevation 1161' Gr. at Stake

U.S.G.S. Topographic  
 Quadrangle Map DOSTER, KS

Above Background Data from  
 U.S.G.S. Topographic Map  
 Scale: 1"=2000'

Contour Interval 10'

This location has been very carefully staked on the ground according to the best official survey records, maps and photographs available to us, but its accuracy is not guaranteed. When elevation is shown herein it is the ground elevation of the location stake.  
 Review this plat and inform us immediately of any possible discrepancy.

**TOPOGRAPHIC**  
 Surveying • Mapping • GIS • GPS

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APR 20 2011

KCC WICHITA

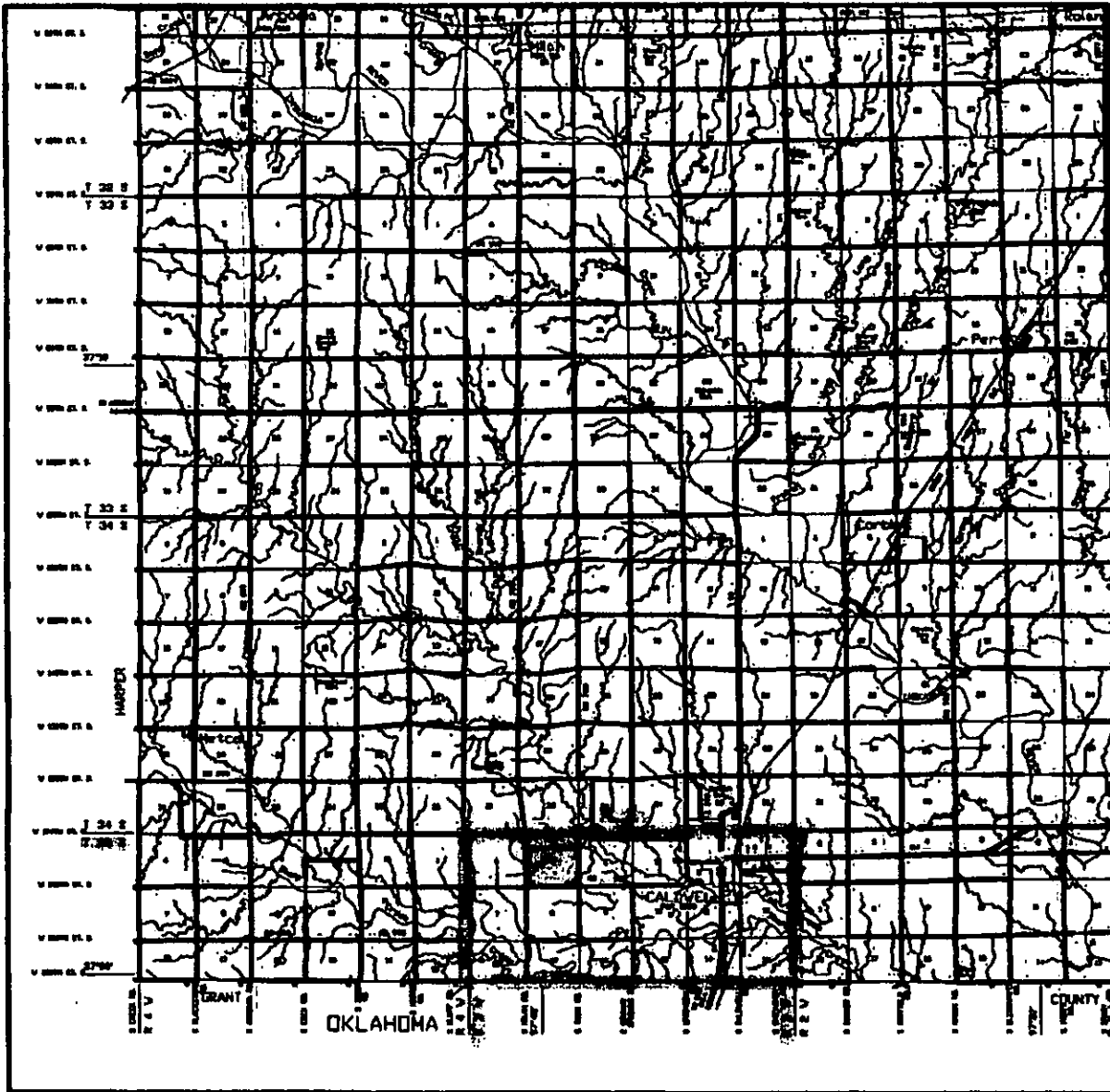
Apr. 20, 2011

# TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry  
6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com  
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

15-191-22602-0000

## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 5 Twp. 35S Rng. 3W

County SUMNER State KS

Operator VITRUVIAN EXPLORATION, LLC

**TOPOGRAPHIC**  
Surveying • Mapping • GIS • GPS

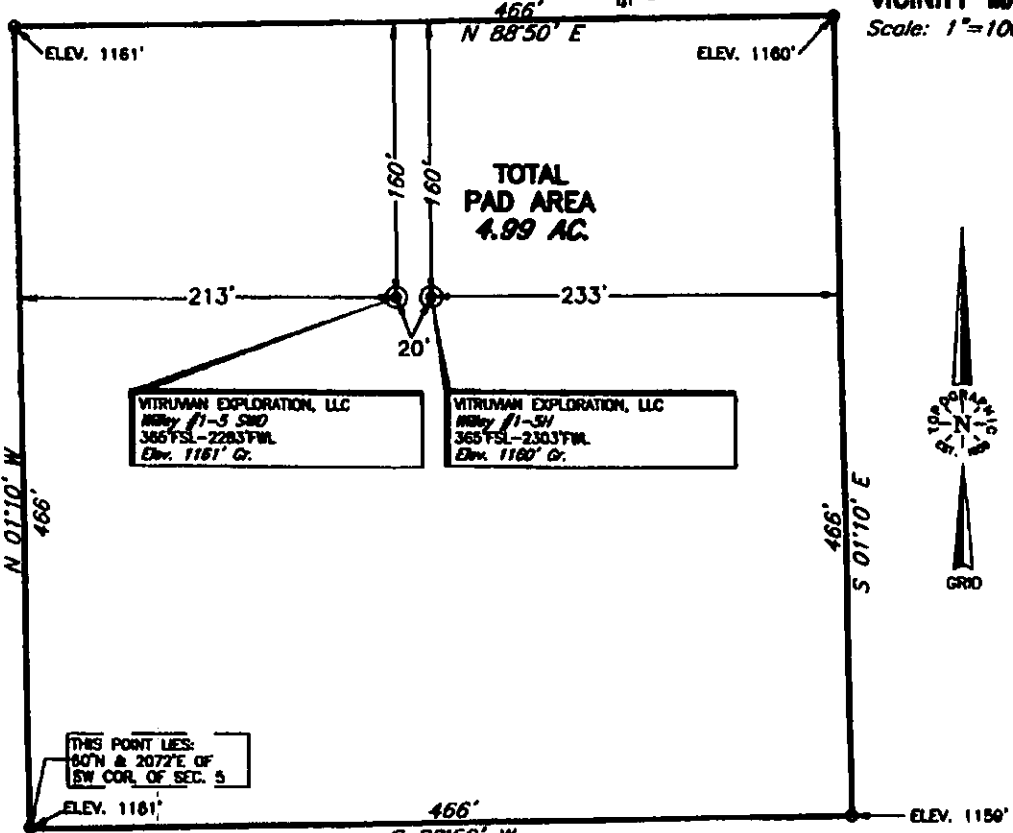
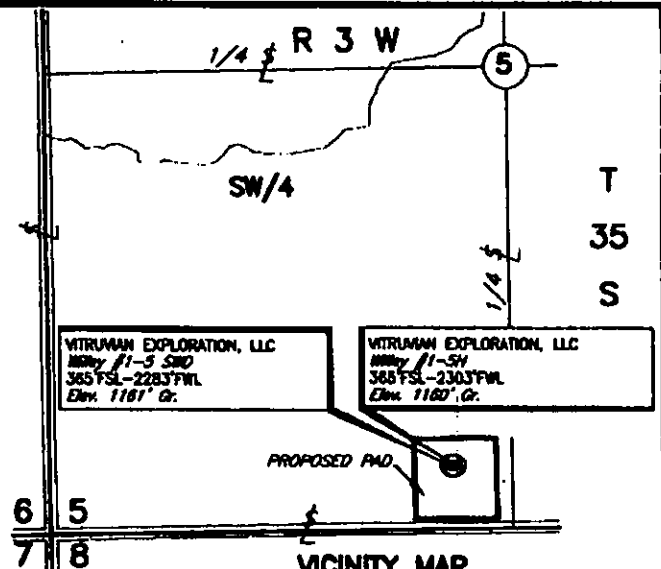
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APR 29 2011

KCC WICHITA



15-191-22602-0000

**T 35 S - R 3 W**  
 PLAT SHOWING  
**PROPOSED PAD AREA IN  
 THE SW/4 OF SECTION 5**  
**T35S-R3W, SUMNER  
 COUNTY, KANSAS**



**VICINITY MAP**  
 Scale: 1"=1000'

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 KCC WICHITA

**NOTE:**

The ties and footages shown on this plot are from lines of occupation from a survey made on-the-ground and/or bearings and distances from the General Land Office Plat of the area shown and may not be the actual property corners. This plot DOES NOT represent a true boundary survey.

				This plot was prepared exclusively for		SCALE: 1" = 500'	
				<b>VITRUVIAN EXPLORATION, LLC</b>		DATE: 4-21-11	
				THE WOODLANDS, TEXAS		FILE: L4010A.DWG	
NO.	REVISION	DATE	BY	and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		DRAWING NUMBER:	
				SURVEYING AND MAPPING BY		122200-L4-10-A	
SURV. BY: JF 4-20-11				<b>TOPOGRAPHIC LAND SURVEYORS</b>		SHEET 1 OF 1	
DRAWN BY: LC				6709 N. Glassen, Okla. City, OK 73116 (405) 843-8847			
APPROVED BY: TWF				Certificate of Authorization No. LS-99, Exp. December 31, 2011			

15-191-22602-0000  
KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form KSONA-1  
July 2010  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE  
KANSAS SURFACE OWNER NOTIFICATION ACT**

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent);  
T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application).  
Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # 34516  
Name: Vitruvian Exploration, LLC  
Address 1: 4 Waterway Sq. Pl., Suite 400  
Address 2: \_\_\_\_\_  
City: The Woodlands State: TX Zip: 77380 + \_\_\_\_\_  
Contact Person: Rhuben Coffey  
Phone: ( 832 ) 458-3149 Fax: ( 832 ) 458-3101  
Email Address: rhuben.coffey@vexpl.com

Well Location:  
NW SE SE SW Sec. 5 Twp. 35 S. R. 3  East  West  
County: Sumner  
Lease Name: Willey Well #: 1-5 SWD

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:  
Name: Karl A. Willey and Linda F. Willey  
Address 1: 412 N. Young  
Address 2: \_\_\_\_\_  
City: Caldwell State: KS Zip: 67022 + \_\_\_\_\_

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: April 28, 2011 Signature of Operator or Agent: [Signature] Title: Attorney

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APR 29 2011

KCC WICHITA