



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1162259
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1162259

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Vogel 3306 1-1
Doc ID	1162259

All Electric Logs Run

Prizm Log
Array Compensated True Resistivity
Porosity
Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Vogel 3306 1-1
Doc ID	1162259

Tops

Name	Top	Datum
Base Heebner	3160	
Lansing	3510	
Cottage Grove	3762	
Oswego Limestone	4074	
Cherokee Group	4194	
Mississippian	4426	
Kinderhook	4766	
Woodford	4848	

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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 10, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21940-00-00
Vogel 3306 1-1
SW/4 Sec.01-33S-06W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay



BASIN SERVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

INVOICE

INVOICE NO.: 460
 INVOICE DATE: 08/19/2013

SANDRIDGE ENERGY
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Vogel
 WELL#: 3306 1-1
 RIG #: Horizon 3
 Co/St: HARPER, KS

Tkt # WY-50-1 (10408) 06/15/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
6/15/2013 DRILLED 30" CONDUCTOR HOLE				
6/15/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
6/15/2013 16" CONDUCTOR PIPE (.250 WALL)				
6/15/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
6/15/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				500.00
6/15/2013 TAXABLE ITEMS				10,000.00
6/15/2013 BID + TAXABLE ITEMS				
			Sub Total:	10,500.00
			Tax HARPER COUNTY (6.3 %):	31.50
			PLEASE PAY THIS AMOUNT:	<u>\$ 10,531.50</u>

JOB SUMMARY			PROJECT NUMBER SOK 2810	TICKET DATE 06/23/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Greg Rivera	
LEASE NAME Vogel 3306	Well No. 1-1	JOB TYPE Surface	EMPLOYEE NAME NATHAN COTTA	

EMP NAME	NATHAN COTTA	0					
	WESLEY T.						
	VONTREY W.						
	RICKY S.						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **650'**

	Called Out	On Location	Job Started	Job Completed
Date	6.23.13	6.23.13.	6.23.13.	6.23.13
Time	0100	0500	930	1100

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		24#	8 1/2"		Surface	650'
Liner						
Drill Pipe						
Open Hole			12 1/4"		Surface	650'
Perforations						Shots/Ft.

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water BBL.		10 8.33
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6.23.13.	6.0	6.23.13	1.0	Surface
Total	6.0	Total	1.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	1,500 PSI
AVG	150
Average Rates in BPM	
MAX	6 BPM
AVG	6
Cement Left in Pipe	
Feet	45
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	260	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush	10.00	Type:	Fresh Water		
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI
		Lost Returns-N	NO/FULL	Excess /Return	BBI
		Actual TOC	SURFACE	Calc. TOC:	
Average		Bump Plug PSI:	1,200	Final Circ.	PSI:
		5 Min.	10 Min.	15 Min.	
				Cement Slurry:	BBI
				Total Volume	BBI
					170.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 2835	TICKET DATE 07/01/13
COUNTY Harper	State Oklahoma	COMPANY Sandridge Exploration & Production	CUSTOMER REP Greg Rivera	
LEASE NAME Vogel 3306	Well No. 1-1	JOB TYPE Production	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
NATHAN COTTA		0			
WESLEY T					
VONTREY W					
SCOTT					

Form. Name _____ Type: _____
Packer Type _____ Set At _____ 0
Bottom Hole Temp. **155** Pressure _____
Retainer Depth _____ Total Depth **4963**

Date	Called Out 7.1.13	On Location 7.1.13	Job Started 7.1.13	Job Completed 7.1.13
Time	800	1200	1847	2100

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		17#	5 1/2"		Surface	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			7 7/8"		Surface	4,969
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Wate BBL.		20
Spacer type	Caustic BBL.		10
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		ln
NE Agent	Gal.		ln
Fluid Loss	Gal/Lb		ln
Gelling Agent	Gal/Lb		ln
Fric. Red.	Gal/Lb		ln
MISC.	Gal/Lb		ln

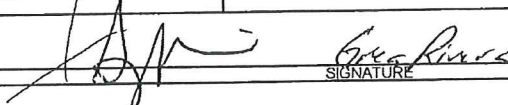
Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7.1.13	9.0	7.1.13	2.0	Production
Total	9.0	Total	2.0	

Pressures			
MAX	5,000 PSI	AVG	200
Average Rates in BPM			
MAX	4.5 BPM	AVG	4
Cement Left in Pipe			
Feet	91	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	230	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0.00	0.00	0.00

Summary							
Preflush	10	Type: Caustic	Preflush: BBI	30.00	Type: 10ppm Barite Spacer		
Breakdown		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
		Lost Returns-N	Excess /Return BBI	N/A	Calc. Disp Bbl	113	
		Actual TOC	Calc. TOC:	3.154	Actual Disp.	113.00	
Average		Bump Plug PSI:	Final Circ. PSI:	900	Disp:Bbl	113.00	
	5 Min	10 Min	Cement Slurry: BBI	80.0			
		15 Min	Total Volume	BBI	223.00		

CUSTOMER REPRESENTATIVE _____

SIGNATURE

TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2013

HARPER

County, Kansas

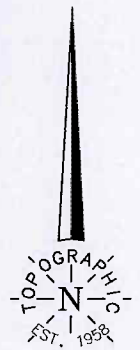
660'FSL-1980'FWL Section 1 Township 33S Range 6W P.M.



X 2171269
Y 198837

X 2165992
Y 198725

X 2171339
Y 193575



GRID
 NAD-27
 KS SOUTH
 US Feet
 Note:
 3.280833 Ft.=1 Meter
 Scale:
 1"= 1000'
 0' 500' 1000'

[CORNER COORDINATES ARE
 TAKEN FROM POINTS
 SURVEYED IN THE FIELD.]

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: VOGEL 3306

Well No.: 1-1

ELEVATION:
1357' Gr. at Stake

Topography & Vegetation Loc. fell in terraced wheat field

Good Drill Site? Yes

Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Anthony, KS, go ±5.5 miles East on St. Hwy. 44, then ±3 miles North to the SW Cor. of Sec. 1-T33S-R6W

DATUM: NAD-27
 LAT: 37°11'54.4"N
 LONG: 97°55'23.1"W
 LAT: 37.198449905° N
 LONG: 97.923087563° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KANSAS SOUTH
 X: 2168043
 Y: 194152

Date of Drawing: May. 31, 2013
 Invoice # 202052 Date Staked: May. 30, 2013

CERTIFICATE:

I, _____ a Kansas Licensed 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.



This information was gathered with a GPS receiver with ±1.0' accuracy.

TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
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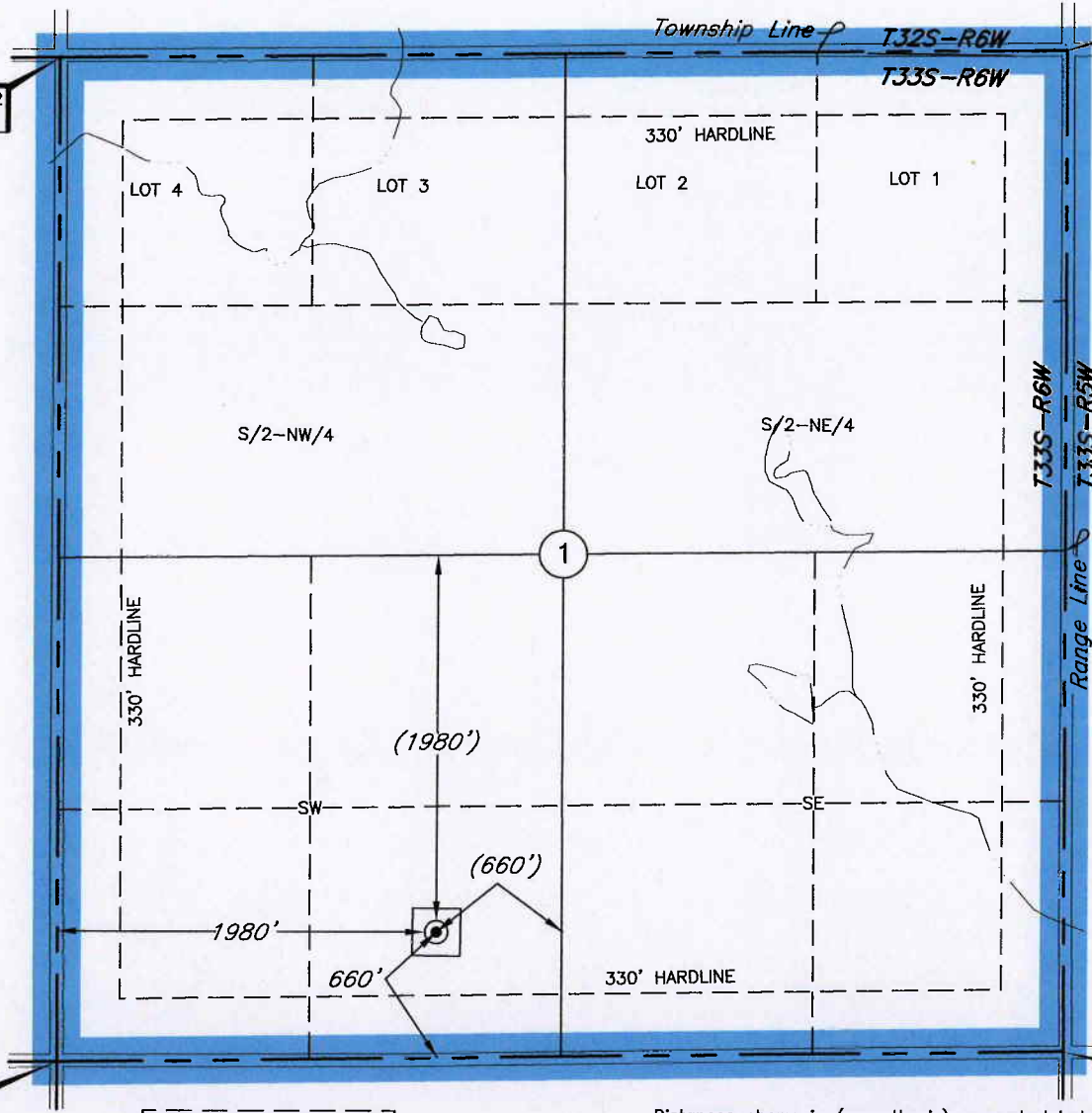
HARPER

County, Kansas

660' FSL-1980' FWL Section 1 Township 33S Range 6W P.M.

X 2171269
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GRID
NAD-27
KS SOUTH
US Feet
Note:
3.280833 Ft.=1 Meter
Scale:
1"= 1000'
0' 500' 1000'

X 2171339
Y 193575

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TAKEN FROM POINTS
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 COORDINATES: (US Feet)
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LC

CERTIFICATE:

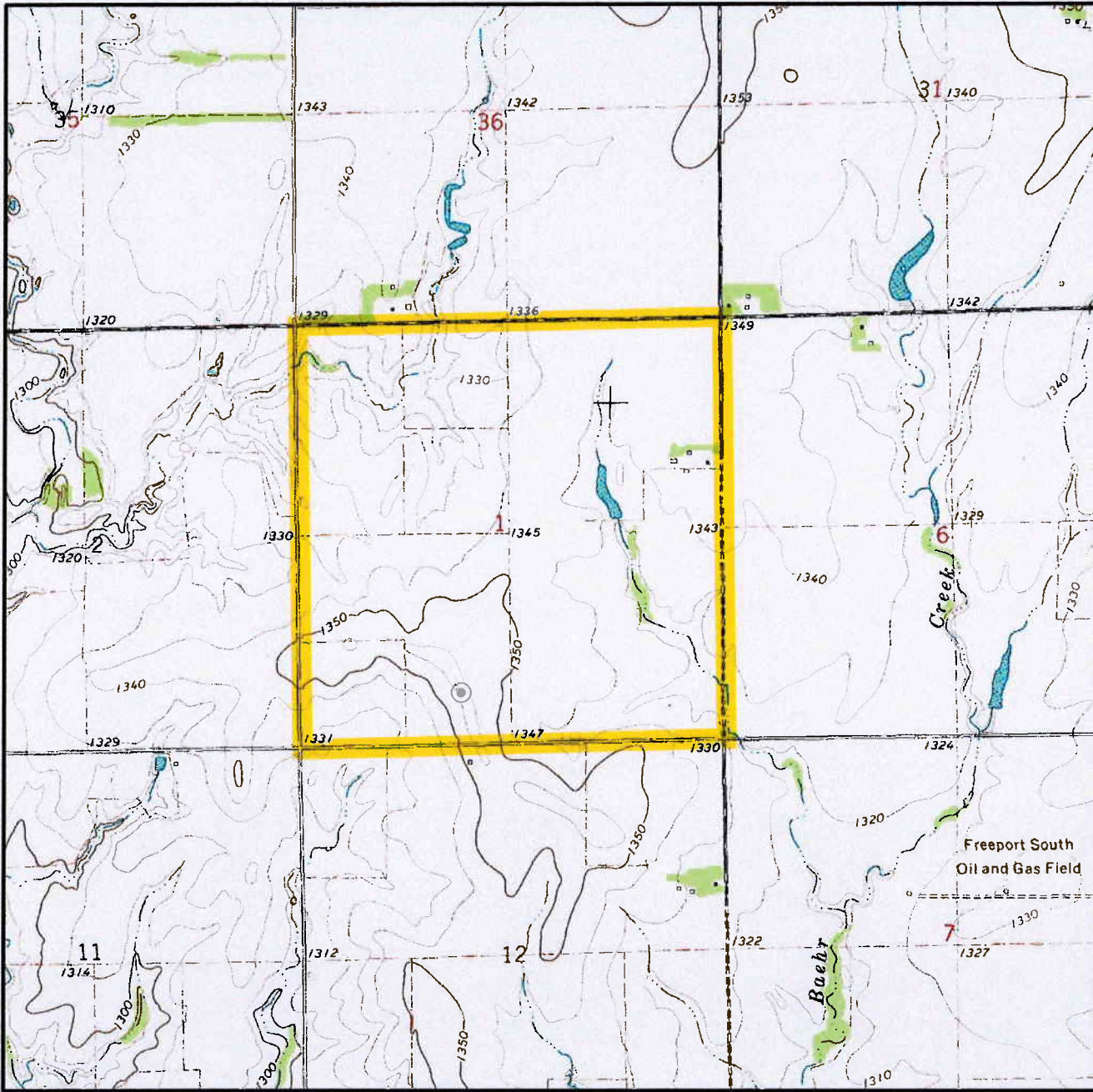
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TOPOGRAPHIC LAND SURVEYORS

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

LOCATION & ELEVATION VERIFICATION MAP



Sec. 1 Twp. 33S Rng. 6W

County HARPER State KS

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC Contour Interval 10'

Description 660'FSL-1980'FWL

Lease VOGEL 3306 1-1

Elevation 1357' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map BLUFF CITY NW, KS

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

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 hereon 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

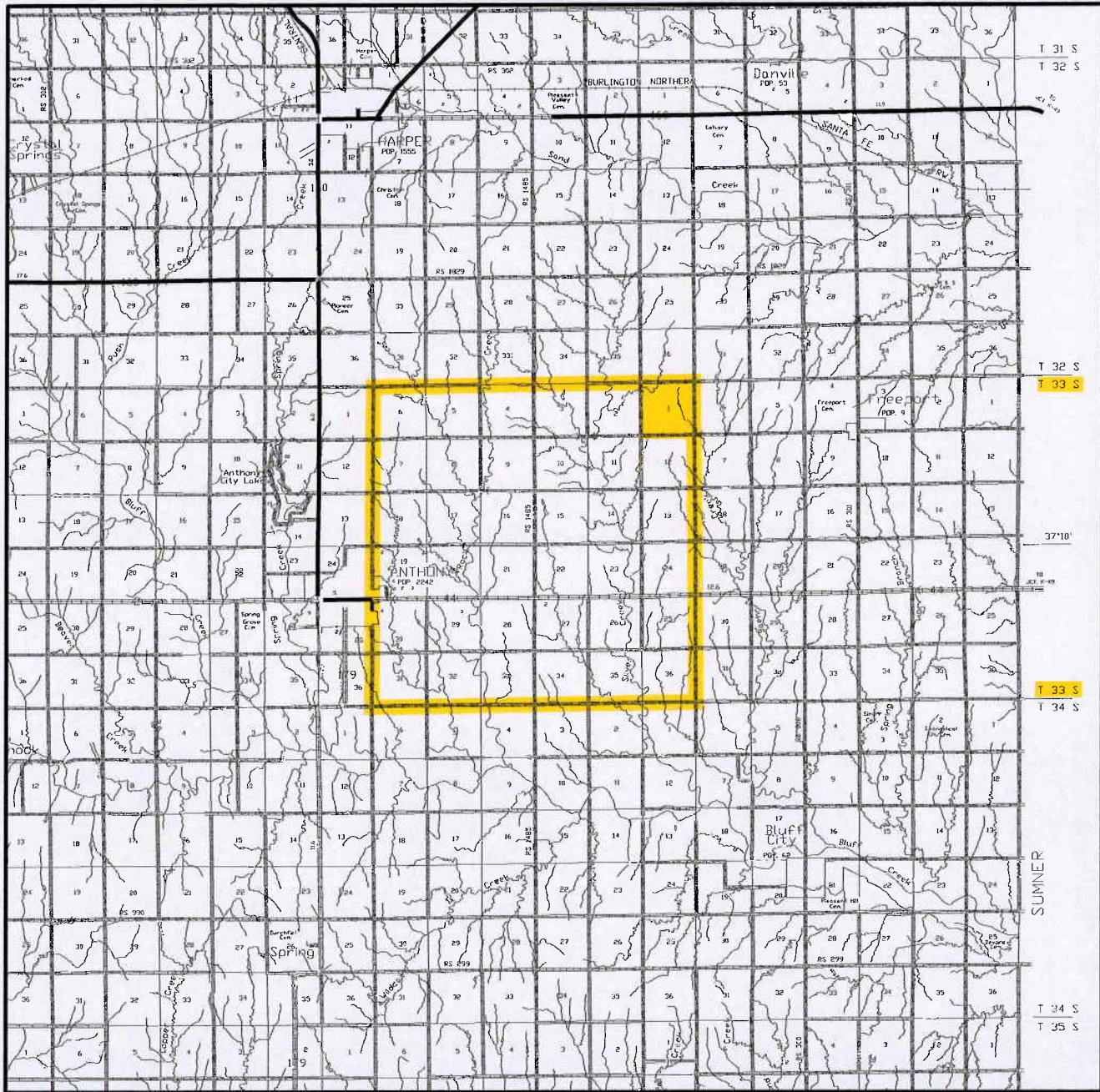
LAND SURVEYORS

May. 30, 2013

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

VICINITY MAP



Scale: 1" = 3 Miles

Sec. 1 Twp. 33S Rng. 6W

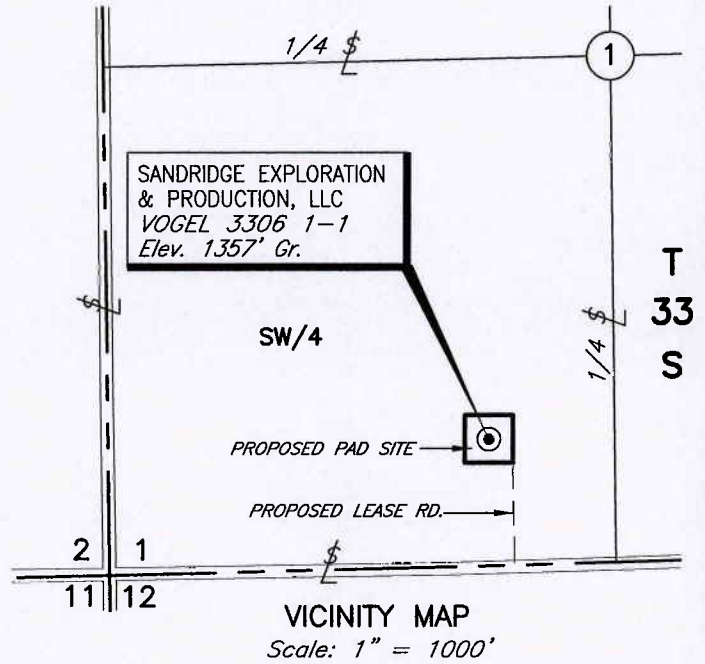
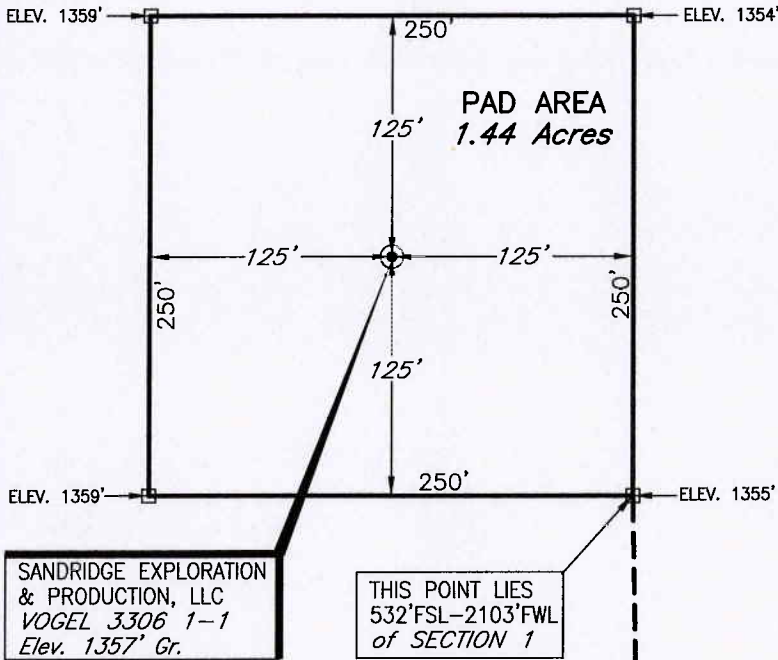
County HARPER State KS

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS
LAND SURVEYORS

T 33 S - R 6 W

R 6 W



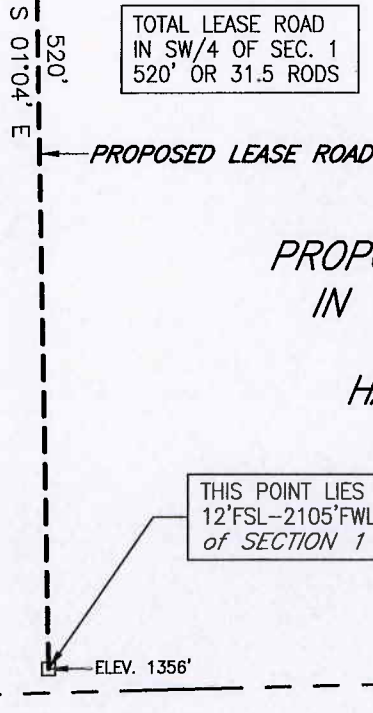
TOTAL LEASE ROAD
IN SW/4 OF SEC. 1
520' OR 31.5 RODS

SECTION 1
SW/4

PLAT SHOWING
PROPOSED PAD AND LEASE ROAD
IN THE SW/4 OF SECTION 1,
T33S - R6W,
HARPER COUNTY, KANSAS



GRID
NAD-27
KANSAS SOUTH
US FEET
3.280833 Ft. = 1 Meter
0' 50' 100'
SCALE:
1" = 100'



NO.	REVISION	DATE	BY
SURV. BY: RL 5/30/2013			
DRAWN BY: LC			
APPROVED BY: LG			

This plat was prepared exclusively for
SANDRIDGE EXPLORATION & PRODUCTION, LLC
OKLAHOMA CITY, OKLAHOMA
and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.
SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
6709 N. Classen, Okla. City, OK. 73116 (405) 843-4847
Certificate of Authorization No. LS-99, Exp. December 31, 2013

SCALE:	1"=100'
DATE:	6/3/2013
FILE:	L4186A.DWG
DRAWING NUMBER:	119024-L4-186-A
SHEET	1 OF 1