



GEOLOGICAL SURVEY PROGRAM  
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

**CONFIDENTIAL**  
until 2/8/2014

RECEIVED

FEB 07 2013

APPLICATION TO DRILL     DEEPEN     PLUG BACK     FOR AN OIL WELL     OR GAS WELL

NAME OF COMPANY OR OPERATOR: **SCZ RESOURCES, LLC**    DATE: **1-31-13**  
ADDRESS: **8614 CEDARSPUR DRIVE**    CITY: **HOUSTON**    STATE: **TEXAS**    ZIP CODE: **77055**

Mo Oil & Gas Council

DESCRIPTION OF WELL AND LEASE  
NAME OF LEASE: **LAUERMAN**    WELL NUMBER: **#6**    ELEVATION (GROUND): **1076**

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
**1155** ft. from  North  South section line    **825** ft. from  East  West section line

WELL LOCATION  
Sec. **9** Township **46** North Range **33**     East  West    LATITUDE: **38.8207368**    LONGITUDE: **-94.582314**    COUNTY: **CASS** **037**

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: **495** FEET  
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: **737** FEET

PROPOSED DEPTH: **700**    DRILLING CONTRACTOR, NAME AND ADDRESS: **EVANS ENERGY DEVELOPMENT**    ROTARY OR CABLE TOOLS: **ROTARY**    APPROX. DATE WORK WILL START: **FEB. 2013**

NUMBER OF ACRES IN LEASE: **78**    NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: **1**  
NUMBER OF ABANDONED WELLS ON LEASE: **0**

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?  
NAME: \_\_\_\_\_    ADDRESS: \_\_\_\_\_    NO. OF WELLS PRODUCING: **0**  
INJECTION: **0**  
INACTIVE: **0**  
ABANDONED: **0**

STATUS OF BOND     SINGLE WELL AMOUNT \$ \_\_\_\_\_     BLANKET BOND AMOUNT \$ **20,000.00**     ON FILE     ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)  
**NEW PRODUCTION WELL**

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20	7	10		<b>20</b>	<b>7</b>	<b>10</b>	<b>FULL LENGTH</b>
700	2 7/8	8	100 SACK POZ	<b>700</b>	<b>2 7/8</b>	<b>8</b>	<b>FULL LENGTH</b>
				well to be plugged from TD to surface w/Portland cement			

I, the Undersigned, state that I am the **DIRECTOR** of the **SCZ RESO** (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: *[Signature]*    DATE: **1-31-13**

PERMIT NUMBER: **21185**    APPROVED DATE: **3-19-13**    APPROVED BY: *[Signature]*

DRILLER'S LOG REQUIRED     E-LOGS REQUIRED IF RUN  
 CORE ANALYSIS REQUIRED IF RUN     DRILL SYSTEM TEST INFO REQUIRED IF RUN  
 SAMPLES REQUIRED  
 SAMPLES NOT REQUIRED  
 WATER SAMPLES REQUIRED AT

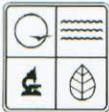
NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, \_\_\_\_\_ of the \_\_\_\_\_ (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: \_\_\_\_\_    DATE: \_\_\_\_\_

P/M r 200' EIV



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**WELL LOCATION PLAT**

FORM OGC-4

OWNER'S NAME

SCZ RESOURCES, LLC

LEASE NAME

LAUERMAN

COUNTY

CASS

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

1155 ft. from  North  South from section line 825 ft. from  East  West from section line

WELL LOCATION

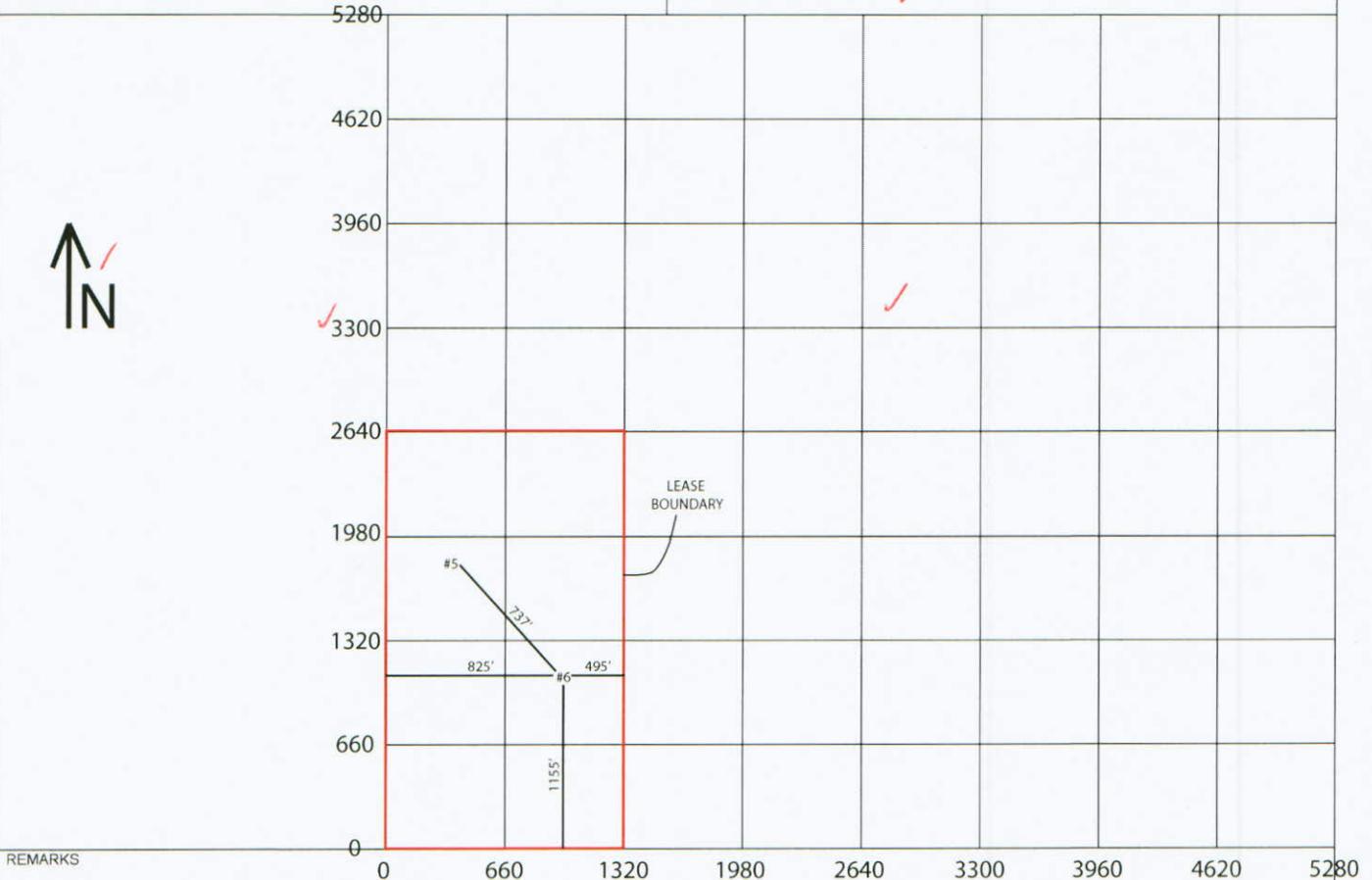
Sec. 9 Township 46 North Range 33  East  West

LATITUDE

38.8207368943996 ✓

LONGITUDE

-94.5823143027808 ✓



REMARKS

**INSTRUCTIONS**

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

**REMIT TWO (2) COPIES TO:  
GEOLOGICAL SURVEY PROGRAM  
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143  
ONE (1) COPY WILL BE RETURNED**

REGISTERED LAND SURVEYOR

NUMBER



## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

<input type="button" value="Submit"/>	
<input type="radio"/> Universal Transverse Mercator [Zone 15 North]	
Easting 362636.1702388765 meters	
Northing 4298073.4323826935 meters	
<input checked="" type="radio"/> Decimal Degrees	
Latitude 38.82074 °	
Longitude -94.58231 °	
<input type="radio"/> Degrees, Minutes and Seconds	
Latitude Degrees 38 °	
Latitude Minutes 49 '	
Latitude Seconds 14.66400000002488 "	
Longitude Degrees -94 °	
Longitude Minutes 34 '	
Longitude Seconds 56.31600000002436 "	

<b>UTM Zone 15N [Easting, Northing]</b>	[ 362636.1, 4298073.4 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.82074°, -94.58231° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 49' 14.6", -94° 34' 56.3" ]
<b>County Name</b>	Cass
<b>County FIPS Code</b>	037
<b>Legal Description</b>	Section 09 T46N R33W
<b>Municipality</b>	Belton
<b>House District</b>	56
<b>Senate District</b>	31
<b>Congressional District</b>	4
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Belton [38094-G5]
<b>8 Digit Watershed</b>	10300101 [Lower Missouri-Crooked]
<b>10 Digit Watershed</b>	1030010101 [Blue River]
<b>12 Digit Watershed</b>	103001010104 [Camp Branch-Blue River]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Blackwater/Lamine
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	6.312 s

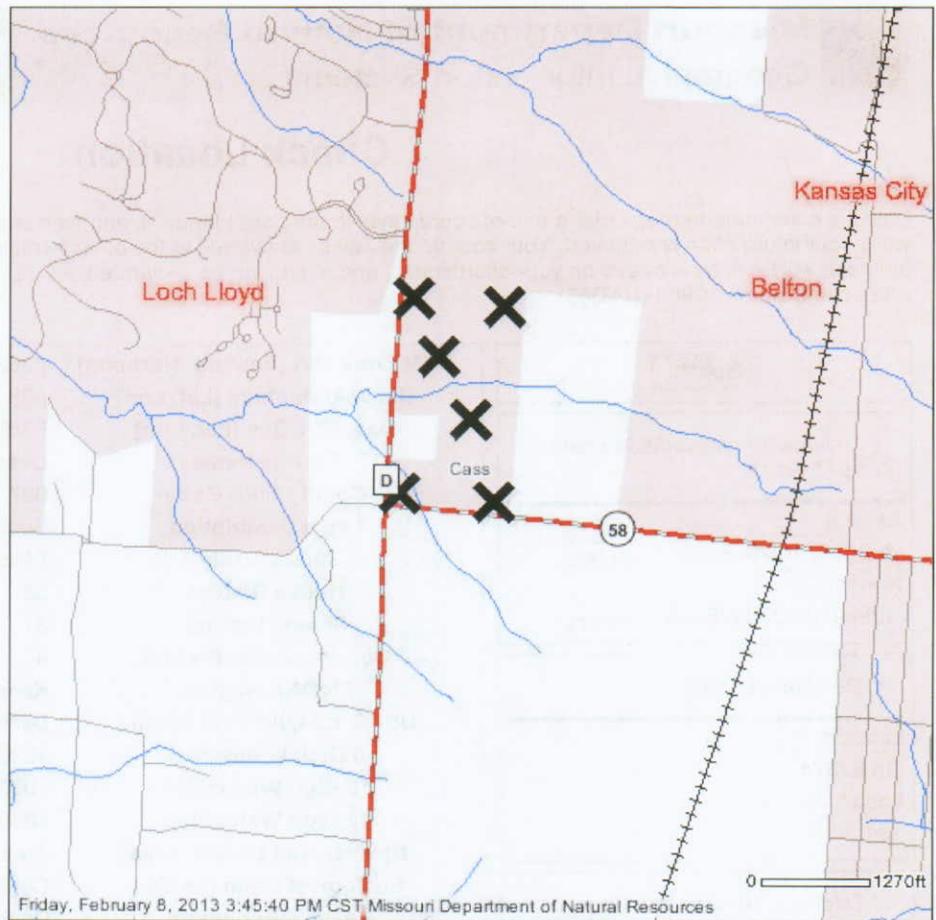
Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

### Metadata

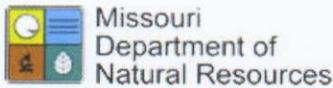
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
-  Interstate Highways
  -  US Highways
  -  State Highways
  -  Railroad
  -  Major and Minor Roads
  -  County Boundary
  -  Lakes
  -  Major Rivers
  -  Rivers and Streams
  -  Missouri River
  -  Mississippi River
  -  Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



P.O. Box 176, Jefferson City, MO 65102  
800-361-4827 / 573-751-3443  
E-mail: [contact@dnr.mo.gov](mailto:contact@dnr.mo.gov)

## Williams, Benjamin

---

**From:** Vierrether, Chris  
**Sent:** Friday, February 08, 2013 4:27 PM  
**To:** Williams, Benjamin  
**Subject:** FW: Update-

SCZ has requested confidentiality for one year as of today. See message string below.

Christopher B. Vierrether, R.G.  
Chief, Economic Geology Unit  
Geological Survey Program  
Division of Geology and Land Survey  
P.O. Box 250  
Rolla, MO 65402-0250  
[chris.vierrether@dnr.mo.gov](mailto:chris.vierrether@dnr.mo.gov)  
phone: 573-368-2370  
Fax: 573-368-2111  
[www.dnr.mo.gov/geology](http://www.dnr.mo.gov/geology)  
Visit our New On-Line Store at:  
<http://www.missourigeologystore.com/>

-----Original Message-----

**From:** Phil Hudnall [<mailto:phil@pharynresources.com>]  
**Sent:** Friday, February 08, 2013 4:26 PM  
**To:** Vierrether, Chris  
**Subject:** Re: Update-

We would prefer confidential for one year due to being next to Belton Unit. Thanks!

Sent from my iPhone

On Feb 8, 2013, at 4:23 PM, "Vierrether, Chris" <[chris.vierrether@dnr.mo.gov](mailto:chris.vierrether@dnr.mo.gov)> wrote:

- > Are these wells confidential? We can give up to a year confidentiality on these wells.
- >
- > If so, please send an email requesting confidentiality for one year.
- >
- > Christopher B. Vierrether, R.G.
- > Chief, Economic Geology Unit
- > Geological Survey Program
- > Division of Geology and Land Survey
- > P.O. Box 250
- > Rolla, MO 65402-0250
- > [chris.vierrether@dnr.mo.gov](mailto:chris.vierrether@dnr.mo.gov)
- > phone: 573-368-2370
- > Fax: 573-368-2111
- > [www.dnr.mo.gov/geology](http://www.dnr.mo.gov/geology)
- > Visit our New On-Line Store at:

> <http://www.missourigeologystore.com/>

>

> -----Original Message-----

> From: Phil Hudnall [<mailto:phil@pharynresources.com>]

> Sent: Friday, February 08, 2013 9:05 AM

> To: Vierrether, Chris

> Subject: Update-

>

> Chris-

>

> Just confirming that the only item left for SCZ resources is the \$20,000 blanket bond? Thanks!

>

> Phil

>

>



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

RECEIVED

FORM OGC-5

FEB 26 2014

NEW WELL  WORKOVER  DEEPEN  PLUG BACK  INJECTION  SAME RESERVOIR  DIFFERENT RESERVOIR  OIL  GAS  DRY

OWNER: SCZ Resources LLC ADDRESS: 8614 Cedarspur Drive Houston TX 77055

LEASE NAME: Lauerman WELL NUMBER: 6

LOCATION OF WELL: Sec. 9 Twp 4E North, Rng 3E East West OR 1155 ft. from North South 825 ft. from East West

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 03721185

DATE SPUDDED: 3/27/2013 DATE TOTAL DEPTH REACHED: 3/29/2013 DATE COMPLETED READY TO PRODUCE OR INJECT: 7/1/2013 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 1076 ELEVATION OF CASING HD. FLANGE: 1077 FEET

TOTAL DEPTH: 802 PLUG BACK TOTAL DEPTH: Casing set to 780.3', cement from 802' to 780.3'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 493-502, 576-582, 589-592 ROTARY TOOLS USED (INTERVAL): 0 TO TD DRILLING FLUID USED: Mud CABLE TOOLS USED (INTERVAL): na

WAS THIS WELL DIRECTIONALLY DRILLED?  Yes  No WAS DIRECTIONAL SURVEY MADE?  Yes  No WAS COPY OF DIRECTIONAL SURVEY FILED?  Yes  No DATE FILED:

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST): Gamma, Neutron, CCL DATE FILED: 1/12/2014

**CASING RECORD**

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9.875"	7"	10	20'	4	0
Production	6.125"	2.875"	8	780.3'	130	0

**TUBING RECORD**

**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
INCH	FEET	FEET	INCH	FEET	FEET		FEET
na	na	na	na	na	na	na	na

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	2" DML RTG	493-502	40 sacks 12/20 sand	493-502
2	2" DML RTG	576-582, 589-592	40 sacks 12/20 sand	576-582, 589-592

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION: 7/1/2013 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): Pumping, 1.5" pump

DATE OF TEST: na HOURS TESTED: na CHOKE SIZE: na OIL PRODUCED DURING TEST: na BBLS GAS PRODUCED DURING TEST: na MCF WATER PRODUCED DURING TEST: na BBLS OIL GRAVITY: 18 API (CORR.)

TUBING PRESSURE: na CASING PRESSURE: na CALCULATED RATE OF PRODUCTION PER 24 HOURS: na OIL: .1 BBLS GAS: 0 MCF WATER: 20 BBLS GAS OIL RATIO:

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD): Vented, if any

METHOD OF DISPOSAL OF MUD PIT CONTENTS: Removed by contractor with vac truck and disposed of off site.

**CERTIFICATE:** I, the Undersigned, state that I am the Geol. of the SCZ (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

DATE: 1/9/2014 SIGNATURE: [Signature]

**INSTRUCTIONS:** Attach drillers log or other acceptable log of well.

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

**DETAIL OF FORMATIONS PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
			Please see attached driller's log

# McGown Drilling, Inc.

## Mound City, Kansas

**Operator:**  
SCZ Resources, LLC  
Houston, TX

### Lauerman #6

Cass Co., MO  
9-46N-33W

<b>Spud Date:</b>	3/27/2013	<b>Surface Bit:</b>	9.875"
<b>Surface Casing:</b>	7"	<b>Drill Bit:</b>	6.125"
<b>Surface Length:</b>	20.0'	<b>Longstring:</b>	780.30'
<b>Surface Cement:</b>	4 sx	<b>Longstring Date:</b>	3/29/2013

### Driller's Log

Top	Bottom	Formation	Comments
0	4	Soil	
4	5	Clay	
5	38	Lime	
38	56	Shale	
56	65	Lime	
65	78	Shale	
78	92	Red Bed	
92	95	Shale	
95	100	Lime	
100	102	Blk. Shale	
102	114	Shale	
114	119	Lime	
119	132	Sandy Shale	
132	153	Shale	
153	154	Lime	
154	165	Shale	
165	179	Lime	Dark
179	182	Shale	
182	191	Lime	
191	206	Shale	
206	220	Lime	
220	226	Shale	
226	228	Lime	
228	230	Shale	
<i>Heath/Bese KC</i>	230	238	Lime
238	257	Shale	

Lauerman #6  
Cass Co., MO

	257	265	Sandy Shale	
	265	282	Shale	
	282	286	Lime	
	286	411	Shale	
<i>Englevale SS</i>	411	431	Sand	Oil odor, good bleed to the pit 425-430
	431	435	Sandy Lime	
<i>Higginsville LS</i>	435	439	Shale	
	439	440	Lime	
	440	449	Shale	
<i>Mulky coal</i>	449	450	Coal	
<i>Breezy Hills LS</i>	450	460	Lime	
	460	481	Shale	
	481	486	Lime	
	486	487	Coal	
<i>Squirrel SS</i>	487	530	<del>Shale</del> Sand	
	530	541	Shale	Muddy
	541	562	Sandy Shale	
	562	571	Shale	Muddy
	571	585	Sandy Shale	
<i>Scammon Coal</i>	585	594	Shale	
<i>Skinner Sand</i>	594	622	Sand	Grey, no odor, no oil, shale mixed in
	622	629	Shale	602-612
<i>Tobo Coal</i>	629	630	Coal	
	630	641	Shale	White, muddy
	641	643	Lime	
	643	697	Shale	
	697	712	Sandy Shale	
	712	725	Shale	
<i>Bluejacket Coal</i>	725	726	Coal	
	726	750	Shale	
<i>Bluejacket SS.</i>	750	802	Sand & Shale Laminated, no oil show, no odor	
	802		TD	



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Osawatomie, KS 66064  
 913.755.2128

**GAMMA RAY / NEUTRON / CCL**

File No. \_\_\_\_\_

Company **SCZ Resources, LLC.**

Well **Lauerman No.- 6**

Field **Knoche**

County **Cass**

State **Missouri**

Location **11551 FSL & 8251 FWL**

Other Services **Perforate**

Sec. **9** Type **46n** Rqea **33W** Elevation **1036'**

Permanent Datum **GL** K.B. **NA**

Log Measured From **GL** D.F. **NA**

Drilling Measured From **GL** G.L. **1036'**

Date **04-15-2013**

Run Number **One**

Depth Driller **302.0**

Depth Logger **778.8**

Bottom Logged Interval **776.8**

Top Log Interval **20.0**

Fluid Level **Full**

Type Fluid **Water**

Density / Viscosity **NA**

Salinity - PPM Cl **NA**

Max Recorded Temp **NA**

Estimated Cement Top **0.0**

Equipment No. **102** Location **Osawatomie**

Recorded By **Gary Winkisch**

Witnessed By **Phil Hudnall**

BORE-HOLE RECORD

NO.	BIT	FROM	TO	SIZE	WGHT	FROM	TO
One	9.875"	0.0	20.0	7.00"	17.0#	0.0	20.0
Two	6.125"	20.0	802.0	2.875"	6.5 #	0.0	780.30

CASING RECORD

Permit # 037-21,185

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

**Comments**

Drilling Contractor :  
 McGown Drilling, Inc.

Database File: lauerman6.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Mon Apr 15 11:12:04 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

