



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

CONFIDENTIAL
until 2/8/2014

RECEIVED

FEB 07 2013

Mo Oil & Gas Council

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**

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: **LAUERMAN** WELL NUMBER: **#4** ELEVATION (GROUND): **1076**

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES):
165 ft. from North South section line **165** ft. from East West section line

WELL LOCATION: Sec. **9** Township **46** North Range **33** East West LATITUDE: **38.8182706** LONGITUDE: **-94.585133** COUNTY: **CASS 037**

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: **165** FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: **990** FEET

PROPOSED DEPTH: **700** DRILLING CONTRACTOR, NAME AND ADDRESS: **EVANS ENERGY DEVELOPMENT PAOLA, KS** 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		20	7	10	FULL LENGTH
700	2 7/8	8	100 SACK POZ	700	2 7/8	8	FULL LENGTH
				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: DATE: **1-31-13**

PERMIT NUMBER: **21183** 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

APPROVED DATE: **3-19-13**

APPROVED BY:

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: _____

Pm ~ 200' EV



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) 165 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 165 ft. from <input type="checkbox"/> East <input checked="" type="checkbox"/> West from section line					
WELL LOCATION Sec. 9 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West					
LATITUDE 38.818270648432 ✓	LONGITUDE -94.5851333238477 ✓				
REMARKS					
<p style="text-align: center;">INSTRUCTIONS</p> <p>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.</p>	<p>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.</p>				
<p>REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">REGISTERED LAND SURVEYOR</td> <td style="width: 30%;">NUMBER</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> </table>	REGISTERED LAND SURVEYOR	NUMBER		
REGISTERED LAND SURVEYOR	NUMBER				



Check Location

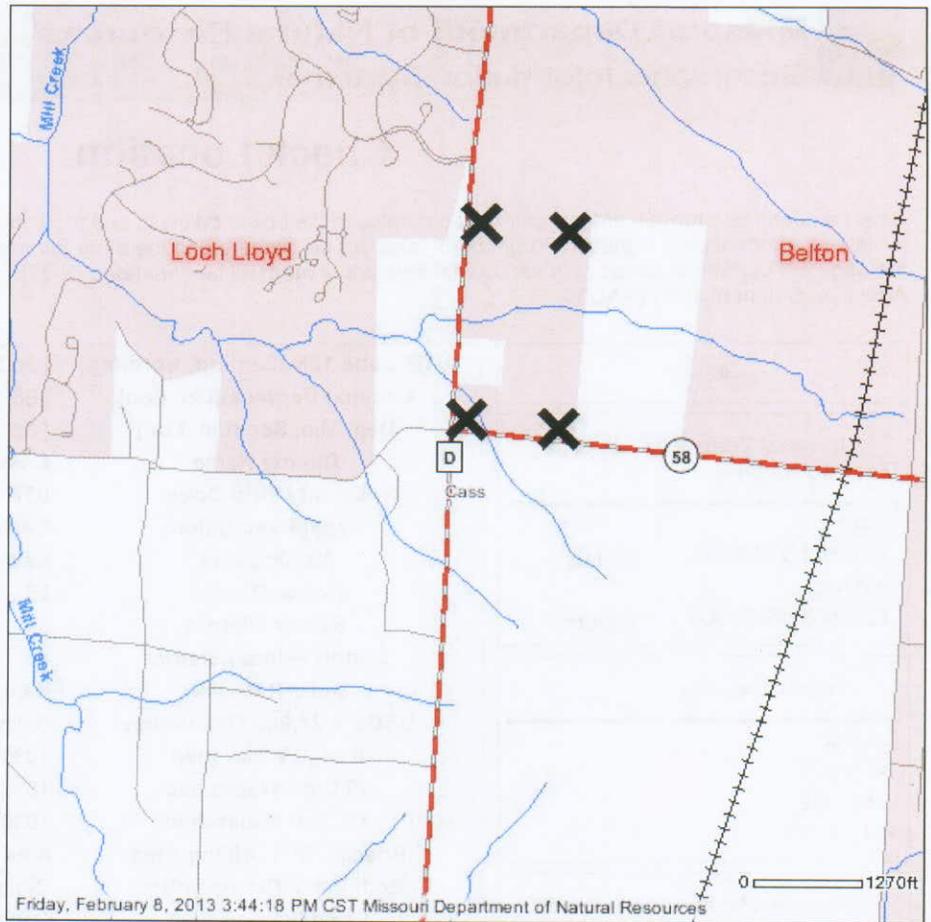
Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on 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"/>	UTM Zone 15N [Easting, Northing] [362386.5, 4297803.5] meters Decimal Degrees [Lat, Lon] [38.81827°, -94.58513°] Deg, Min, Sec [Lat, Lon] [38° 49' 5.7", -94° 35' 6.4"] County Name Cass County FIPS Code 037 Legal Description Section 09 T46N R33W Municipality Belton House District 56 Senate District 31 Congressional District 4 MoDNR Region Kansas City Regional Office USGS 1:24,000 Quadrangle Belton [38094-G5] 8 Digit Watershed 10300101 [Lower Missouri-Crooked] 10 Digit Watershed 1030010101 [Blue River] 12 Digit Watershed 103001010104 [Camp Branch-Blue River] Special Well Drilling Area Area 2 Ecological Drainage Unit Central Plains/Blackwater/Lamine Level III Ecoregion Central Irregular Plains Query Time 8.187 s
<input type="radio"/> Universal Transverse Mercator [Zone 15 North] <hr/> Easting 362386.591200253 meters Northing 4297803.56298308 meters	<p>Rows with red text indicate that the input location is too close to a boundary to produce reliable results.</p> <p>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.</p>
<input checked="" type="radio"/> Decimal Degrees <hr/> Latitude 38.81827 ° Longitude -94.58513 °	
<input type="radio"/> Degrees, Minutes and Seconds <hr/> Latitude Degrees 38 ° Latitude Minutes 49 ' Latitude Seconds 5.771999999993795 '' Longitude Degrees -94 ° Longitude Minutes 35 ' Longitude Seconds 6.468000000023721 ''	

Metadata

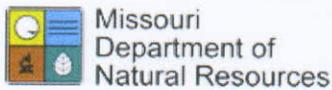
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- 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

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
phone: 573-368-2370
Fax: 573-368-2111
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> 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

> phone: 573-368-2370

> Fax: 573-368-2111

> 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
FEB 26 2014
Mo Oil & Gas Council

FORM OGC-5

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 4							
LOCATION OF WELL		SEC TWN RNG		OR		BLOCK AND SURVEY		LATITUDE	LONGITUDE
Sec. <u>9</u> Twp <u>4E</u> North, Rng <u>3E</u>		<input type="checkbox"/> East <input checked="" type="checkbox"/> West		OR		<u>165</u> ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South <u>165</u> ft. from <input type="checkbox"/> East <input checked="" type="checkbox"/> West		38.81827	-94.58513
COUNTY Cass	PERMIT NUMBER (OGC-3 OR OGC-31) 03721183								
DATE SPUDDED 4/1/2013	DATE TOTAL DEPTH REACHED 4/4/2013	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 780	PLUG BACK TOTAL DEPTH Casing set to 761.75', cement from 780' to 761.75'								
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION 466-474, 549-554, 560-564			ROTARY TOOLS USED (INTERVAL) 0 TO TD			CABLE TOOLS USED (INTERVAL) na			
DRILLING FLUID USED Mud									
WAS THIS WELL DIRECTIONALLY DRILLED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		WAS DIRECTIONAL SURVEY MADE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		WAS COPY OF DIRECTIONAL SURVEY FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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'	10	0
Production	6.125"	2.875"	8	761.75'	130	0

TUBING RECORD

LINER RECORD

SIZE na INCH	DEPTH SET na FEET	PACKER SET AT na FEET	SIZE na INCH	TOP na FEET	BOTTOM na FEET	SACKS CEMENT na	SCREEN na FEET
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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	466-474	40 sacks 12/20 sand	466-474
2	2" DML RTG	549-554, 560-564	40 sacks 12/20 sand	549-554, 560-564

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		OIL 0 BBLs	GAS 0 MCF	WATER 20 BBLs
DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD) No gas						

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
------------------	---------------

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 #4
 Cass Co., MO
 9-46N-33W

Spud Date:	4/1/2013	Surface Bit:	9.875"
Surface Casing:	7"	Drill Bit:	6.125"
Surface Length:	20.0'	Longstring:	761.75'
Surface Cement:	4 sx	Longstring Date:	4/4/2013

Driller's Log

Top	Bottom	Formation	Comments
0	27	Soil	
27	45	Shale	
45	54	Lime	
54	71	Shale	
71	74	Red Bed	
74	84	Shale	
84	88	Lime	
88	112	Shale	
112	126	Sand	Grey
126	134	Sandy Shale	
134	152	Shale	
152	176	Lime	
176	188	Shale	
188	209	Lime	
209	215	Shale	
215	226	Lime	
226	271	Shale	
271	275	Lime	
275	310	Sandy Shale	
310	335	Shale	
335	340	Shale	Muddy
340	347	Sand	Grey
347	380	Shale	
380	387	Shale	White, muddy
387	407	Shale	Green
407	411	Lime	

Hertha Base KC

Bandera Quarry SS

Higginsville LS

913.795.2259 office
 620.224.7406 Chris' cell

mcgowndrilling@gmail.com

PO Box K
 Mound City, KS

Lauerman #4
Cass Co., MO

Summit Coal	411	414	Shale	
Blackjack Cr. LS	414	420	Lime	
M. W. Key Coal	420	425	Shale	
Braazy Hills LS	425	435	Lime	
	435	445	Sandy Shale	
	445	454	Shale	
	454	459	Lime	
	459	460	Coal	
	460	463	Blk. Shale	
Squirrel SS	463	471	Sand	Oil odor, no bleed in samples
	471	485	Shale	Muddy
	485	536	Shale	
	536	554	Shale	Muddy
Skinner SS	554	561	Sandy Shale	
	561	563	Sand	
	563	570	Sandy Shale	
	570	586	Shale	Muddy
	586	600	Sandy Shale	
Teebo Coal	600	601	Coal	
	601	615	Shale	Muddy
U. Weir-Pitts	615	616	Coal	
	616	620	Shale	Muddy
	620	643	Sandy Shale	
	643	665	Shale	Muddy
Bluejacket SS.	665	733	Sandy Shale	
	733	736	Shale	White, muddy
	736	757	Sand	White, no oil
	757	758	Coal	
	758	780	Shale	
	780		TD	



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 66, Osawatomie, KS 66064
 913.755.2128

GAMMA RAY / NEUTRON / CCL

File No. _____

Company **SCZ Resources, LLC.**

Well **Lauerman No.- 4**

Field **Knoche**

County **Cass** State **Missouri**

Location **165' FSL & 495' FWL**

Other Services **Perforate**

Sec. 9
 Permanent Datum **GL** Elevation **999'**
 Log Measured From **GL**
 Drilling Measured From **GL**
 Date **04-15-2013**

Run Number **One**

Depth Driller **780.0**

Depth Logger **776.8**

Bottom Logged Interval **775.8**

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 Wundisch**

Witnessed By **Phil Hudnall**

BORE-HOLE RECORD				CASING RECORD			
RUN 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	780.0	2.875"	6.5 #	0.0	761.75

<<< 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: **lauerman4.db**
 Dataset Pathname: **pass1**
 Presentation Format: **gr-n-ccl**
 Dataset Creation: **Mon Apr 15 12:54:27 2013 by Log SCH 111116**
 Charted by: **Depth in Feet scaled 1:240**

