



KANSAS CORPORATION COMMISSION 1132440
OIL & GAS CONSERVATION DIVISION

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

For KCC Use:
Effective Date:
District #
SGA? Yes No

NOTICE OF INTENT TO DRILL

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: month day year

Spot Description:

Sec. Twp. S. R. E W
feet from N / S Line of Section
feet from E / W Line of Section

OPERATOR: License#
Name:
Address 1:
Address 2:
City: State: Zip: +
Contact Person:
Phone:

Is SECTION: Regular Irregular?

(Note: Locate well on the Section Plat on reverse side)

CONTRACTOR: License#
Name:

County:

Lease Name: Well #:

Field Name:

Is this a Prorated / Spaced Field? Yes No

Target Formation(s):

Nearest Lease or unit boundary line (in footage):

Ground Surface Elevation: 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:

Depth to bottom of usable water:

Surface Pipe by Alternate: I II

Length of Surface Pipe Planned to be set:

Length of Conductor Pipe (if any):

Projected Total Depth:

Formation at Total Depth:

Water Source for Drilling Operations:

Well Farm Pond Other:

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

Will Cores be taken? Yes No

If Yes, proposed zone:

Well Drilled For: Well Class: Type Equipment:

- Oil Gas Enh Rec Storage Disposal Infield Pool Ext. Wildcat Other Mud Rotary Air Rotary Cable

Seismic; # of Holes 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 #:

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.

Submitted Electronically

For KCC Use ONLY
API # 15 -
Conductor pipe required feet
Minimum surface pipe required feet per ALT. I II
Approved by:
This authorization expires:
(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 Pit 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:

For KCC Use ONLY

API # 15 - _____

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: _____

Lease: _____

Well Number: _____

Field: _____

Number of Acres attributable to well: _____

QTR/QTR/QTR/QTR of acreage: _____ - _____ - _____ - _____

Location of Well: County: _____

_____ feet from N / S Line of Section

_____ feet from E / W Line of Section

Sec. _____ Twp. _____ S. R. _____ E W

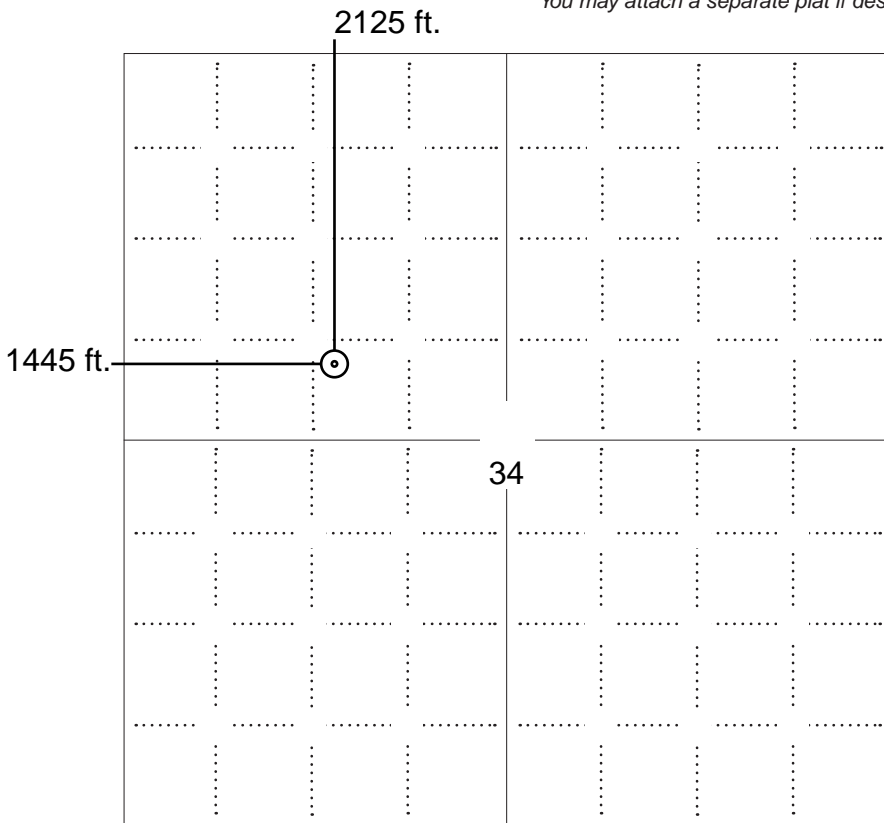
Is Section: Regular or Irregular

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.



LEGEND

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



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

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: (C0-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

**APPLICATION FOR SURFACE PIT***Submit in Duplicate*

| | | | |
|---|--|--|--|
| Operator Name: | | License Number: | |
| Operator Address: | | | |
| Contact Person: | | Phone Number: | |
| Lease Name & Well No.: | | Pit Location (QQQQ): ____ - ____ - ____ - ____ | |
| Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i> | | Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls) | |
| Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i> | |
| Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| How is the pit lined if a plastic liner is not used? | | | |
| Pit dimensions (all but working pits): _____ Length (feet) _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit | | | |
| If the pit is lined give a brief description of the liner material, thickness and installation procedure. | | Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. | |
| Distance to nearest water well within one-mile of pit: _____ 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 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: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ _____ Drill pits must be closed within 365 days of spud date. | |
| Submitted Electronically | | | |

KCC OFFICE USE ONLY
 Liner Steel Pit RFAC RFAS

 Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: Yes No

**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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____ Fax: (_____) _____

Email Address: _____

Well Location:

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

County: _____

Lease Name: _____ Well #: _____

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

Surface Owner Information:

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

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 Submitted Electronically

Lease Information

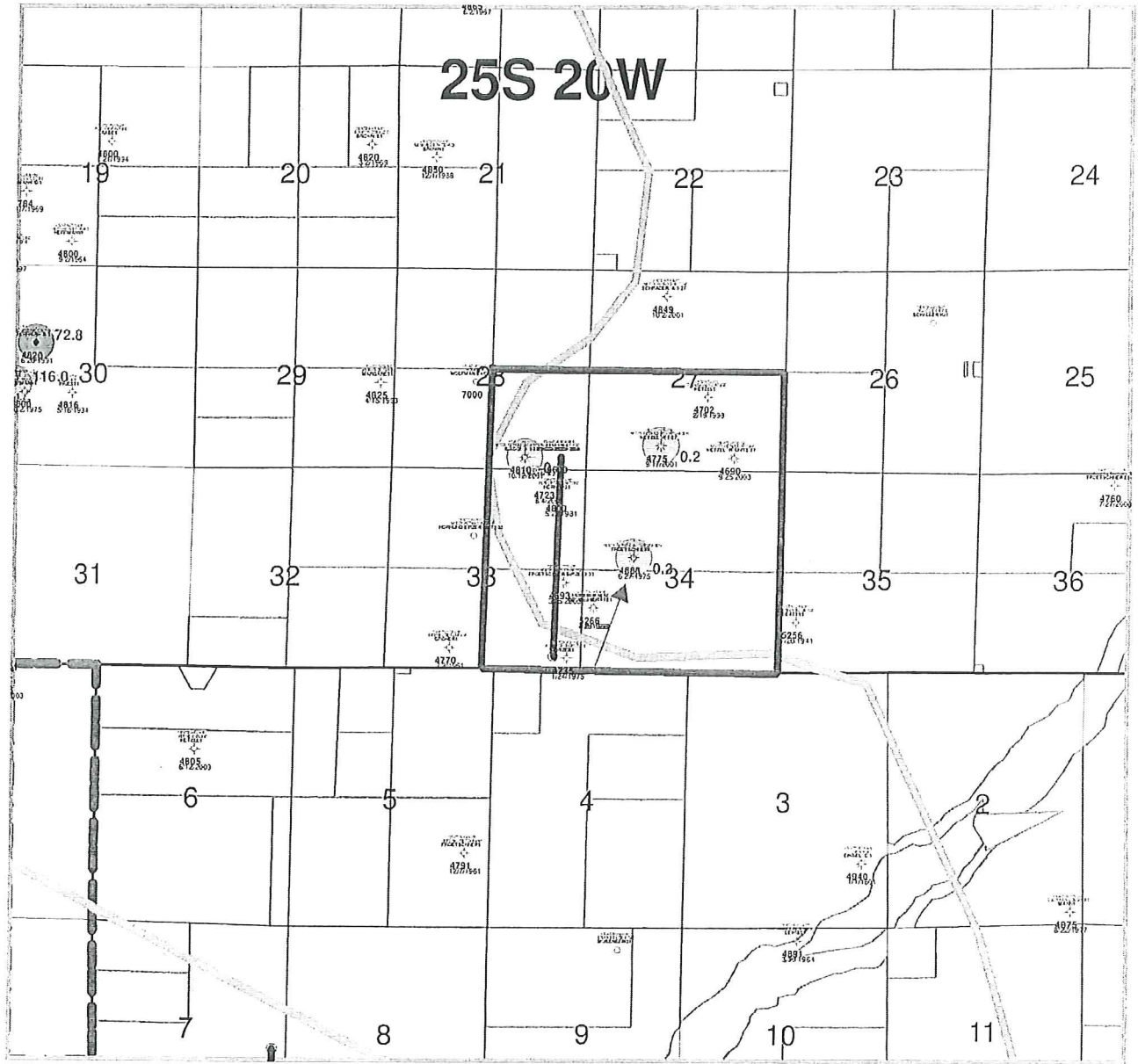
Froetschner 2520 1-34 RE
SW SE NW Sec 34-T25S-R20W
Edwards County, KS

Surface Owner:

Adam Froetschner
242 G Road
Kinsley, KS 67547

Unit Outline:

All of Section 34, T25S-R20W, E/2 of Section 33, T25S-R20W; SE/4 Section 23, T25S-R20W and S/2 of Section 27, T25S-R20W, located in Edwards County, Kansas.



- PRODUCING ZONE**
- NON MSSP
 - ST GENEVIEVE
 - ST LOUIS
 - SPERGEN
 - WARSAW
 - OSAGE
 - OSAGE M
 - KINDERHOOK

WELL NAME

● Cum Oil (MBO)
○ Cum Gas (BCF)

Total Depth



SANDRIDGE
2500 WEST 12TH AVENUE, DENVER, CO 80202

Froetschner 2520 1-34 *rb*
Edwards County, KS

Unit Outline

Map File: 2520

Date: 19 February, 2013 Geol: Mary's Roden

PROPOSED

GL: 2223'
KB: 2227'

2125' FNL + 1445' FNL

(Proposed)

WELL NAME: Froetschner #1-34 **25** SHL: ~~4102'-08"~~ 4102'-08" TEL: 316-944-9000
 API NO: 15-047-20179 LOCATION: 34 - T25S - R20W OPERATOR: Sandridge Energy
 WI: 100.00000% FIELD: ELEVATION: 2,223 N ZONE: Mississippian RE
 NRI: 75.00000% COUNTY: Edwards TD: 4,683 N
 CORP ID: STATE: Kansas PBTID: Surface (P&A) RECOMP1 DATE: 06/25/01
 RECOMP2 DATE: 06/25/01 AFE No.:

| CSG | OD | PIPE RECORD | | | WT/FT | TOP | BTM | # JTS | CEMENT & HOLE DATA | | | TYPE | TOC |
|---------|--------|-------------|-----|--------|-------|--------|-----|---------|--------------------|-----|---------|------|-----|
| | | GRADE | THD | | | | | | DEPTH | SXS | | | |
| Surface | 8.625" | N/A | | | 00' | 281' | | 12.250" | 4,678' | 200 | | | |
| Prod | 4.500" | N/A | | 10.50# | 00' | 4,678' | | 7.875" | 4,678' | 225 | 6010F02 | N/A | |
| Tbg | None | | | | | | | | | | | | |

Wellbore:
 WELL HISTORY

| DATE | WORK DETAIL | PROD. RESULTS |
|----------|---|---------------|
| 10/08/75 | Complete Miss OH 4678' - 4683'. Acidize w/500 gals 15% MCA and frac w/248 bbbs treated water and 2500# sand. Perf Lansing 4102' - 08'. Acidize w/600 gals 15% acid. | |
| 01/27/05 | P&A'd. Perf 4-1/2" casing @ 700'. Circ 65 sx cement to surface. Pumped 30 sx cement down 8-5/8". Squeezed @ 1389' w/200 sx. | |
| 06/25/01 | Re-entered well. Drilled out cement and reestablished production w/ Miss OH 4678' - 83'. | |
| 04/07/09 | P&A'd. Could not unset anchor. TOH w/tubing. Pumped down 4-1/2" casing w/100 sx cement, 7 sx gel, and 195 sx cement. | |

TOC @
N/A

Drilling Notations:

| Stimulation Treatment | | | | | | | | PERFORMANCE HISTORY | | | | | |
|---|-------|------------|--------------|--|-----------|--------------------|----------------|---------------------|------------------|------------------|-----------------|--------------------|----------------|
| Date | Zone | Sand (lbs) | Fluid (bbls) | Total Fluid Type (P&A Prep + Frac + Flush) | Prop Type | AIR(bpm)/AIP(pslg) | Frac Grad/ISIP | DATE | TOP | BTM | ZONE | SPF(count)/Phasing | Status |
| | | | | | | | | 10/06/75 | 4,678' 4,102' | 4,683' 4,108' | Miss Lansing | Open Hole | P&A'd P&A'd |
| Frac Job Remarks (Screensouts or problems in Frac Job): | | | | | | | | | | | | | |
| CIBP Record | | | | | | | | | | | | | |
| Date | Depth | Type | Date Removed | Notes | | | | | | | | | |
| | | | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | | | |

| Downhole Jewelry | | | TUBULAR GOODS PERFORMANCE | | | | | |
|------------------|-------|-----------------|---------------------------------|---------|------------|-----------------|--------------|-----------------|
| Length | Depth | Description | Material (Halliburton Handbook) | ID (in) | Drift (in) | Collapse* (psi) | Burst* (psi) | Tensile* (Klbs) |
| | | | | N/A | N/A | N/A | N/A | N/A |
| | | 8.625" N/A N/A# | | 4.052 | 3.927 | 4,010 | 4,790 | 132,000 |
| | | 4.5" N/A 10.5# | | | | | | |

REMARKS:
 Packer Detail:
 ENGINEER: Alan Tiedeman
 GEOLOGIST: Will Scott
 LANDMAN: Chad Pinkerton
 PREPARED BY:
 PREPARED DATE: 2/23/2013
 UPDATED:
 UPDATED:
 UPDATED:
 UPDATED:

Lansing Perfs
4102' - 08'
(SQUEEZED)

7" CASING @ 4678'
OPEN HOLE 4678' - 83'



Froetschner #1-34
 SW SE NW Sec. 34 - T25S - R20W
 Edwards County, KS

Froetschner 2520 1-34 RE

Recompletion Procedure

Objective: The following procedure will re-enter the Froetschner #1-34 which has been previously P&A'd. We will drill out cement plugs from the 4-1/2" casing, fish a tubing anchor, then reperforate / restim Mississippian pay.

Well Data:

2125' FNL + 1445' FNL

Surface Location: ~~9155' FSL~~ x ~~3635' FEL~~, Sec. 34 - T25S - R20W, Edwards Co., KS

Elevation: 2223' GL KB: 2227' (4' AGL)

TD: ~~4683'~~ *4800'* PBTD: Surface

Casing Data:

| String | Size | Weight (lb/ft) | Grade | Thread | Top | Setting Depth | Drift ID (in) | Capacity (bbl/ft) | Burst (SF 1.25) (psi) | Collapse (SF 1.125) (psi) |
|------------|--------|----------------|-------|--------|---------|---------------|---------------|-------------------|-----------------------|---------------------------|
| Surface | 8-5/8" | NA | NA | | Surface | 281' | | | | |
| Production | 4-1/2" | 10.5 | NA | NA | NA | 4678' | 3.927 | .0159 | 3832 | 3564 |

Tubing Data:

| String | Size | Weight (lb/ft) | Grade | Thread | Drift ID (in) | Capacity (bbl/ft) | Burst (SF 1.25) (psi) | Collapse (SF 1.125) (psi) | 100% Yield Strength (lbf) |
|--------|------|----------------|-------|--------|---------------|-------------------|-----------------------|---------------------------|---------------------------|
| Tubing | None | | | | | | | | |

Existing Perfs: Mississippian 4678' - 4683' (Open Hole)

Lansing 4102' - 4108'

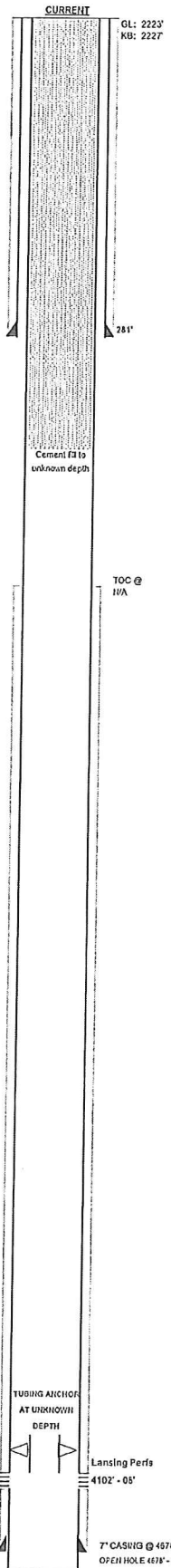
Current Wellbore Fluid: Produced Water and Hydrocarbons

Proposed Wellbore Fluid: Produced Water and Hydrocarbons

BHT: 117° F from OHL

WB Schematic

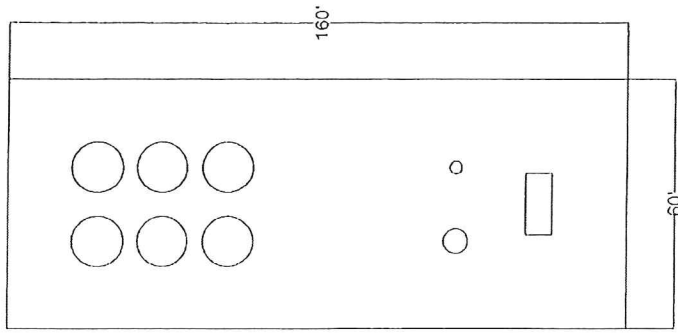
(Current)



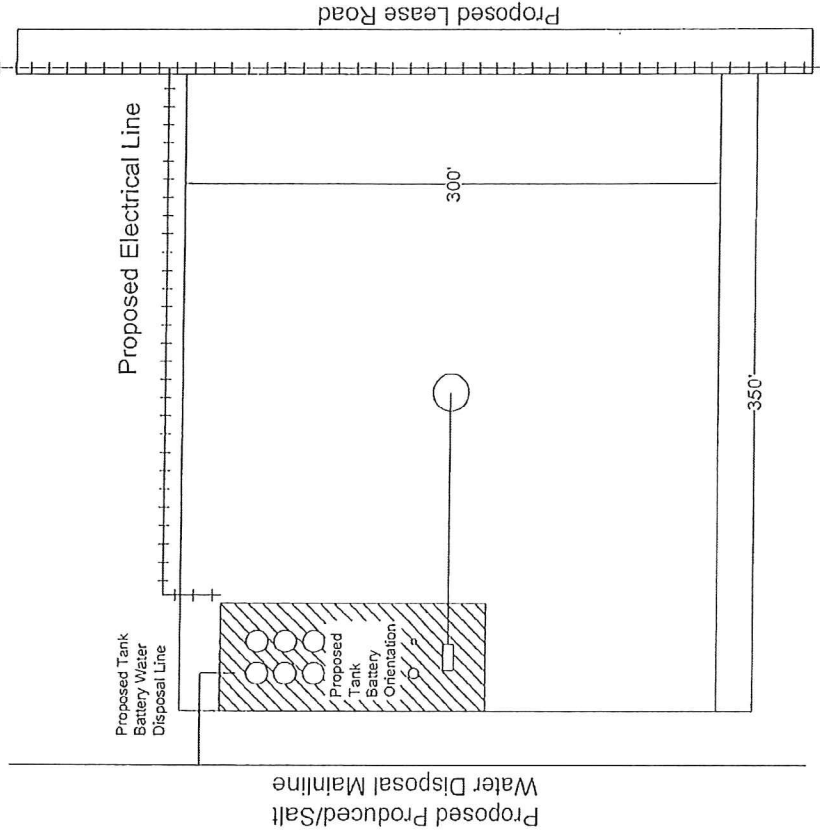
| WELL NAME: Froetschner #1-34 | | | | SIL: 3155' SL & 3335' FEL | | | | OPERATOR: Sandridge Energy | | | | SPUD DATE: 06/27/75 | | | |
|--|--------|-------------|---------------------------------|--------------------------------------|-----------|---------------------|----------------|----------------------------|------------|-----------------|--------------|-----------------------|--------|--|--|
| APIN: 15-047-20179 | | | | LOCATION: 34 - T25S - R26W | | | | ZONE: Mississippian RE | | | | COMP DATE: 10/05/75 | | | |
| WI: 100.00000% | | | | FIELD: Edwards | | | | ELEVATION: 2,223 ft | | | | RECOMP DATE: 06/25/01 | | | |
| NRI: 75.00000% | | | | COUNTY: Edwards | | | | TO: 4,683 ft | | | | RECOMP DATE: | | | |
| CORP ID: | | | | STATE: Kansas | | | | FBTO: Surface (P&A) | | | | AFE No.: | | | |
| PIPE RECORD | | | | | | | | CEMENT & HOLE DATA | | | | | | | |
| CSG | OD | GRADE | THD | WT/FT | TOP | BTM | # JTS | BIT SIZE | DEPTH | SXS | TYPE | TOC | | | |
| Surface | 8.625" | N/A | | N/A | 00' | 281' | | 12.250" | 4,678' | 200 | | N/A | | | |
| Prod | 4.500" | N/A | | 10.50# | 00' | 4,678' | | 7.875" | 4,678' | 225 | CSX PFC | N/A | | | |
| Tbg | None | | | | | | | | | | | | | | |
| WELL HISTORY | | | | | | | | | | | | | | | |
| DATE WORK DETAIL PROD. RESULTS | | | | | | | | | | | | | | | |
| 10/08/75 Complete Miss OH 4678' - 4883'. Acidize w/500 gals 15% I/CA and frac w/246 bbls treated water and 2500# sand. Perf Lansing 410Z - 05'. Acidize w/500 gals 15% acid. | | | | | | | | | | | | | | | |
| 01/27/95 P&A'd. Perf 4-1/2" casing @ 700'. Circ 65 sx cement to surface. Pumped 30 sx cement down 8-5/8". Squeezed @ 1389' w/200 sx. | | | | | | | | | | | | | | | |
| 06/25/01 Re-entered well. Drilled out cement and reestablished production w/ Miss OH 4678' - 83'. | | | | | | | | | | | | | | | |
| 04/07/09 P&A'd. Could not unset anchor. TCH w/tubing. Pumped down 4-1/2" casing w/100 sx cement, 7 sx gal, and 195 sx cement. | | | | | | | | | | | | | | | |
| Drilling Notations: | | | | | | | | | | | | | | | |
| Stimulation Treatment | | | | | | | | PERFORATION HISTORY | | | | | | | |
| Date | Zone | Sand (kbs) | Fluid (bbls) | Total Fluid Type (P+SFrac+IFrac+JTS) | Prop Type | AIR(bpm)/AIP(opsig) | Frac Grad/ISIP | DATE | TOP | BTM | ZONE | SPF(count)/Phasing | Status | | |
| | | | | | | | | 10/08/75 | 4,678' | 4,683' | Miss | Open Hole | P&A'd | | |
| | | | | | | | | | 4,102' | 4,108' | Lansing | | P&A'd | | |
| Frac Job Remarks (Screenouts or problems in Frac Job): | | | | | | | | | | | | | | | |
| CIBP Record | | | | | | | | | | | | | | | |
| Date | Depth | Type | Date Removed | Notes | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | | | | | |
| Downhole Jewelry | | | | | | | | TUBULAR GOODS PERFORMANCE | | | | | | | |
| Length | Depth | Description | Material (Halliburton Handbook) | | | | | ID (in) | Drift (in) | Collapse* (psi) | Burst* (psi) | Tensile* (Klbs) | | | |
| | | | 8.625" N/A N/A# | | | | | N/A | N/A | N/A | N/A | N/A | | | |
| | | | 4.5" N/A 10.5# | | | | | 4.052 | 3.927 | 4,010 | 4,780 | 132,000 | | | |
| * Safety Factor Not Included | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | Packer Detail: | | | | | | | |
| | | | | | | | | ENGINEER: Alan Tiedeman | | | | | | | |
| | | | | | | | | GEOLOGIST: WJ Scott | | | | | | | |
| | | | | | | | | LANDMAN: Chad Parkerton | | | | | | | |
| | | | | | | | | PREPARED BY: | | | | | | | |
| | | | | | | | | PREPARED DATE: 2/23/2013 | | | | | | | |
| | | | | | | | | UPDATED: | | | | | | | |
| | | | | | | | | UPDATED: | | | | | | | |
| | | | | | | | | UPDATED: | | | | | | | |



Proposed Tank Battery Layout



Proposed Site Layout



| SHEET INFORMATION | | PROJECT INFORMATION | | DATE | |
|-------------------|--|---------------------|----|------|----|
| NO. | DESCRIPTION | DATE | BY | DATE | BY |
| 1 | PROPOSED TANK BATTERY LAYOUT | | | | |
| 2 | PROPOSED SITE LAYOUT | | | | |
| 3 | PROPOSED ELECTRICAL LAYOUT | | | | |
| 4 | PROPOSED WATER DISPOSAL LAYOUT | | | | |
| 5 | PROPOSED LEASE ROAD LAYOUT | | | | |
| 6 | PROPOSED TANK BATTERY ORIENTATION | | | | |
| 7 | PROPOSED TANK BATTERY DISPOSAL LINE | | | | |
| 8 | PROPOSED ELECTRICAL LINE | | | | |
| 9 | PROPOSED PRODUCED/SALT WATER DISPOSAL MAINLINE | | | | |
| 10 | PROPOSED LEASE ROAD | | | | |
| 11 | PROPOSED TANK BATTERY ORIENTATION | | | | |
| 12 | PROPOSED TANK BATTERY DISPOSAL LINE | | | | |
| 13 | PROPOSED ELECTRICAL LINE | | | | |
| 14 | PROPOSED PRODUCED/SALT WATER DISPOSAL MAINLINE | | | | |
| 15 | PROPOSED LEASE ROAD | | | | |
| 16 | PROPOSED TANK BATTERY ORIENTATION | | | | |
| 17 | PROPOSED TANK BATTERY DISPOSAL LINE | | | | |
| 18 | PROPOSED ELECTRICAL LINE | | | | |
| 19 | PROPOSED PRODUCED/SALT WATER DISPOSAL MAINLINE | | | | |
| 20 | PROPOSED LEASE ROAD | | | | |



(Well Name) Proposed Layout
Site Plan



April 10, 2013

Adam Froetschner
242 G Road
Kinsley, KS 67547

Re: KSONA-1 NOTIFICATION – Well Name Change and SHL footage change

Please find attached a draft copy of the Amended Permit to Drill currently pending with the KCC for approval. This notice reflects a change in the well name and the change in SHL footage. RE will be added to the end of the well number to reflect this is a reentry. SandRidge Energy plans to reenter and recomplete the Froetschner 2520 1-34 RE well located in Edwards County, Kansas. You are listed as the contact for the current surface owners.

This notice is being provided pursuant to the Kansas Surface Owner Notice Act (House Bill 2032). If you have any questions, please contact us.

Sincerely,

A handwritten signature in black ink that reads "Wanda Ledbetter".

Wanda Ledbetter
Regulatory Analyst

Attach.

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

April 10, 2013

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

Re: Drilling Pit Application
API 15-047-20179-00-02
Froetschner 2520 1-34 RE
NW/4 Sec.34-25S-20W
Edwards County, Kansas

Dear Wanda Ledbetter:

According to the drilling pit application referenced above, no earthen pits will be used at this location. Steel pits will be used. Please inform the Commission in writing as to which disposal well you utilized to dispose of the contents in the steel pits and the amount of fluid that was disposed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, within 30 days of fluid removal.

Should a haul-off pit be necessary please file form CDP-1 (April 2004), Application for Surface Pit, through KOLAR. This location will have to be inspected prior to approval of the haul-off pit application.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the District Office at (620) 225-8888.

HAUL-OFF PIT APPLICATION FILING REQUIREMENTS

82-3-607.

DISPOSAL OF DIKE AND PIT CONTENTS.

(a)
pit

Each operator shall perform one of the following when disposing of dike or contents:

- (1) Remove the liquid contents to a disposal well or other oil and gas operation approved by the commission or to road maintenance or construction locations approved by the department;
- (2) dispose of reserve pit waste down the annular space of a well completed according to the alternate I requirements of K.A.R. 82-3-106, if the waste to be disposed of was generated during the drilling and completion of the well;

or

- (3) dispose of the remaining solid contents in any manner required by the commission. The requirements may include any of the following:
 - (A) Burial in place, in accordance with the grading and restoration requirements in K.A.R. 82-3-602 (f);
 - (B) removal and placement of the contents in an on-site disposal area approved by the commission;
 - (C) removal and placement of the contents in an off-site disposal area

on

lease

from

acreage owned by the same landowner or to another producing or unit operated by the same operator, if prior written permission from the landowner has been obtained; or

approved (D) removal of the contents to a permitted off-site disposal area
by the department.

(b) Each violation of this regulation shall be punishable by the following:

- (1) A \$1,000 penalty for the first violation;
- (2) a \$2,500 penalty for the second violation; and
- (3) a \$5,000 penalty and an operator license review for the third violation.

File Haul-Off Pit Application in KOLAR. Review the information below and attach all required documents to the pit application when submitting through KOLAR. This form will automatically generate and fill in from questions asked in KOLAR.

Haul-off pit will be located in an on-site disposal area: ___Yes ___No

Haul-off pit is located in an off-site disposal area on acreage owned by the same landowner: ___Yes ___No If yes, written permission from the land owner must be obtained. Attach written permission to haul-off pit application.

Haul-off pit is located in an off-site disposal area on another **producing** lease or unit operated by the same operator: ___Yes ___No If yes, written permission from the land owner must be obtained. Attach permission and a copy of the lease assignment that covers the acreage where the haul-off pit is to be located, to the haul-off pit application.

Summary of Changes

Lease Name and Number: Froetschner 2520 1-34 RE

API/Permit #: 15-047-20179-00-02

Doc ID: 1132440

Correction Number: 1

Approved By: Rick Hestermann 04/10/2013

| Field Name | Previous Value | New Value |
|--|---|-----------|
| Abandonment Procedure | remove free fluids, let dry and backfill. Steel pits will also be used. | |
| Artificial Liner? | Yes | |
| Depth Of Water Well | 115 | |
| Depth to Shallowest Fresh Water | 9 | |
| Description of Pit Liner | 20 mil plastic liner | |
| Feet to Nearest Water Well Within One-Mile of Pit | 1927 | |
| Fresh Water Information Source: KDWR | Yes | No |
| Is Bottom Below Ground Level? | Yes | |
| Is Footage Measured from the East or the West Section Line | East | West |
| Is Footage Measured from the East or the West Section Line | East | West |

Summary of changes for correction 1 continued

| Field Name | Previous Value | New Value |
|--|---|---|
| Is Footage Measured from the North or the South Section Line | South | North |
| Is Footage Measured from the North or the South Section Line | South | North |
| Is Pit Proposed or Existing | Proposed | |
| KCC Only - Approved By | Steve Bond 04/08/2013 | Rick Hestermann 04/10/2013 |
| KCC Only - Approved Date | 04/08/2013 | 04/10/2013 |
| KCC Only - Date Received | 04/02/2013 | 04/10/2013 |
| KCC Only - Lease Inspection | Yes | No |
| Liner Maintenance Procedures | Visually inspect periodically for liner integrity. | |
| LocationInfoLink | https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=34&t3835 | https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=34&t1445 |
| Number of Feet East or West From Section Line | 3835 | 1445 |
| Number of Feet East or West From Section Line | 3835 | 1445 |
| Number of Feet North or South From Section Line | 3155 | 2125 |
| Number of Feet North or South From Section Line | 3155 | 2125 |

Summary of changes for correction 1 continued

| Field Name | Previous Value | New Value |
|-------------------|---|---|
| Pit Capacity BBLS | 963 | |
| Pit Deepest Depth | 6 | |
| Pit Length | 30 | |
| Pit Type | Drilling | |
| Pit Width | 30 | |
| Save Link | ../../../../kcc/detail/operatorEditDetail.cfm?docID=1126059 | ../../../../kcc/detail/operatorEditDetail.cfm?docID=1132440 |
| Steel Pit | No | Yes |
| Well Number | 1-34 | 1-34 RE |

Summary of Attachments

Lease Name and Number: Froetschner 2520 1-34 RE

API: 15-047-20179-00-02

Doc ID: 1132440

Correction Number: 1

Approved By: Rick Hestermann 04/10/2013

Attachment Name

No Earthen Pits

Haul Off Pit Application