

Well will not be drilled or Permit Expired Date: _

Signature of Operator or Agent:

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

SGA?

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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

NOTICE OF INTENT TO DRILL

| Expected Spud Date: | Spot Description: |
|---|--|
| month day year | Sec Twp S. R |
| OPERATOR: License# | feet from N / S Line of Section |
| Name: | feet from E / W Line of Sectio |
| Address 1: | Is SECTION: Regular Irregular? |
| Address 2: | (Note: Locate well on the Section Plat on reverse side) |
| City: | |
| Contact Person: | Lease Name: Well #: |
| Phone: | Field Name: |
| CONTRACTOR: License# | |
| Vame: | Target Formation(s): |
| | Nearest Lease or unit boundary line (in footage): |
| Well Drilled For: Well Class: Type Equipment: | |
| Oil Enh Rec Infield Mud Rotary | Ground Surface Elevation:feet MS |
| Gas Storage Pool Ext. Air Rotary | Water well within one-quarter mile: Yes N |
| Disposal Wildcat Cable | Public water supply well within one mile: Yes N |
| Seismic ; # of Holes Other | Depth to bottom of fresh water: |
| Other: | Depth to bottom of usable water: |
| If OWWO: old well information as follows: | Surface Pipe by Alternate: III |
| II OWWO. Old Well IIIIOTTIALIOTT as follows. | Length of Surface Pipe Planned to be set: |
| Operator: | |
| Well Name: | Projected Total Depth: |
| Original Completion Date: Original Total Depth: | |
| | Water Source for Drilling Operations: |
| Directional, Deviated or Horizontal wellbore? | VVCII TAITIT ONA Other. |
| f Yes, true vertical depth: | BWK1 GIIIIL #. |
| Bottom Hole Location: | (Note: Apply for Permit with DWR) |
| (CC DKT #: | Will Cores be taken? Yes N |
| | |
| | If Yes, proposed zone: |
| | |
| | AFFIDAVIT |
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202 Side Two



| For KCC Use ONLY | |
|------------------|--|
| API # 15 | |

Operator: _

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.

Location of Well: County: _

| ase: | | | | | | | | feet from N / S Line of Section |
|--------------------|--------------|--------------|-------------|----------------------|----------------------------|--------------------------|----------------------------------|---|
| II Number: | | | | | | | | feet from E / W Line of Section |
| l: | | | | | | _ Se | c | Twp S. R |
| mber of Acres attr | | | | | | 15 . | Section: | Regular or Irregular |
| | | | | | | | Section is lection corne | Irregular, locate well from nearest corner boundary. er used: NE NW SE SW |
| Si | how location | on of the w | ell. Show | footage to | the neare | PLAT est lease or | r unit bound | dary line. Show the predicted locations of |
| lease roa | ads, tank b | atteries, pi | pelines and | d electrica You m | l lines, as ay attach a | required b a separate | y the Kans plat if desi 12 | sas Surface Owner Notice Act (House Bill 2032). ired. 1 26 ft. |
| | : | : | : | | : | : | : | LEGEND |
| | | : | | | : : : : | ········ : : : | | O Well Location Tank Battery Location Pipeline Location |
| •••• | : | : | | | : | : | ` ⊙ ∷ | - 253 ft. ——— Pipeline Location Electric Line Location Lease Road Location |
| | : | : | | | : | : | : | EXAMPLE : : |
| | : | : : : | 5 | | : : : : | : | : : : : | |
| | · | | | | : | | · | |
| | : : : | : | | | : : | : | : | 1980' FSL |
| | : ! | : : | | | : : | : : | : : | |
| | : | : | | | : | : | : | SEWARD CO. 3390' FEL |

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.



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1069982

Form CDP-1 May 2010 Form must be Typed

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: Emergency Pit Burn Pit Proposed Settling Pit Drilling Pit If Existing, date con Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled) Is the pit located in a Sensitive Ground Water Area? Yes No Is the bottom below ground level? Yes No Pit dimensions (all but working pits): Depth from ground level to dee | | (bbls) No lo epest point: | SecTwpRBast WestFeet from North / South Line of SectionFeet from East / West Line of SectionCounty Chloride concentration: mg/l | | | |
| Distance to nearest water well within one-mile of | of pit: | | west fresh water feet. | | | |
| feet Depth of water well | feet | Source of information measured | nation: well owner electric log 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 splow into the pit? Yes No | | Type of materia Number of worl Abandonment p Drill pits must b | over and Haul-Off Pits ONLY: I utilized in drilling/workover: I utilized | | | |
| Submitted Electronically | | | | | | |
| | KCC | OFFICE USE O | NLY Liner Steel Pit RFAC RFAS | | | |
| Date Received: Permit Numl | ber: | Permi | t Date: Lease Inspection: Yes No | | | |



Kansas Corporation Commission Oil & Gas Conservation Division

1069982

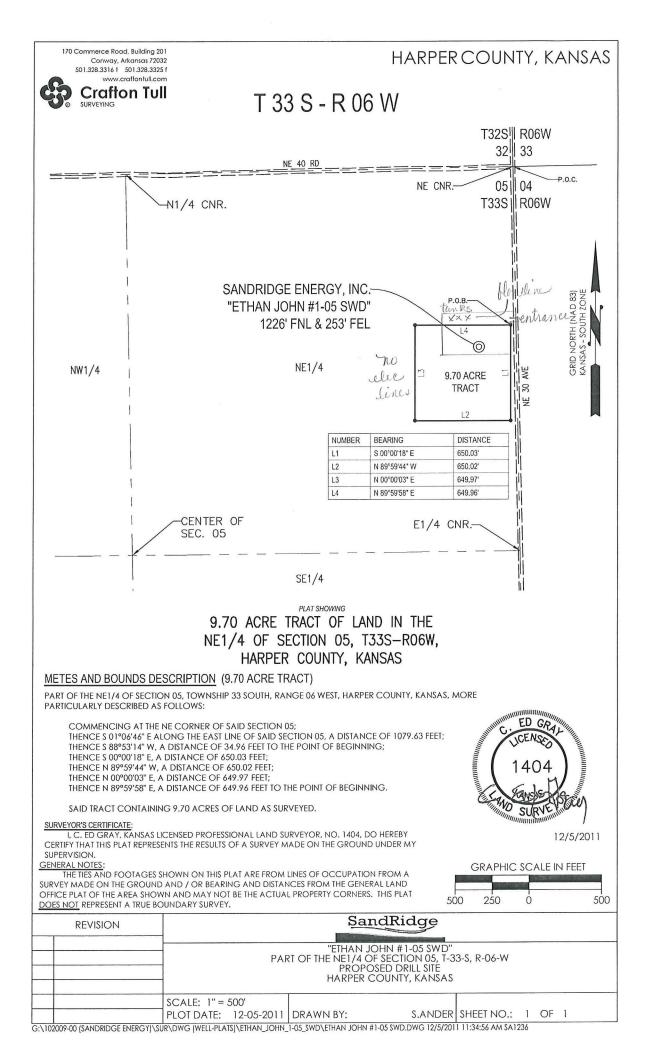
Form KSONA-1
July 2010
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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.

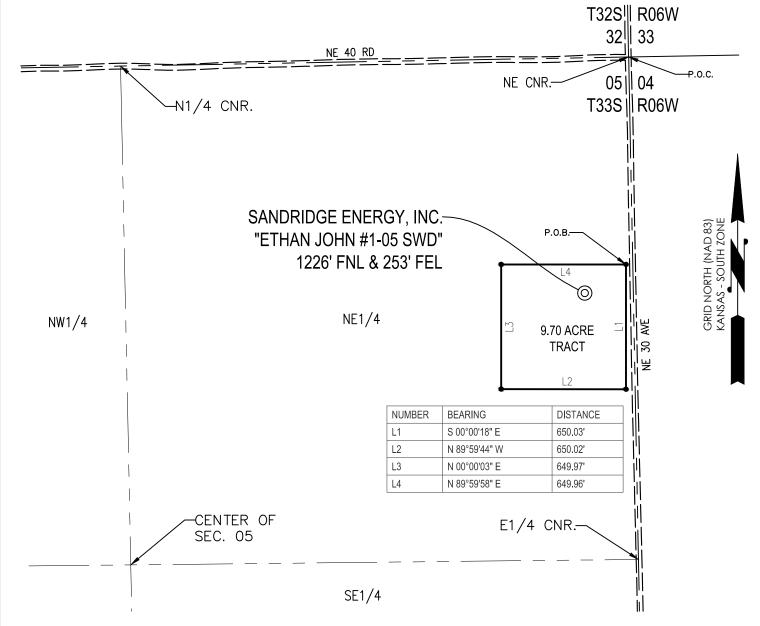
| Select the corresponding form being filed: C-1 (Intent) CB-1 (CB-1) | Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application) |
|---|--|
| OPERATOR: License # | Well Location: |
| Name: | SecTwpS. R East |
| Address 1: | County: |
| Address 2: | Lease Name: Well #: |
| City: State: Zip:+ | If filing a Form T-1 for multiple wells on a lease, enter the legal description of |
| Contact Person: | the lease below: |
| Phone: () Fax: () | |
| Email Address: | |
| Surface Owner Information: | |
| Name: | When filing a Form T-1 involving multiple surface owners, attach an additional |
| Address 1: | 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 |
| Address 2: | county, and in the real estate property tax records of the county treasurer. |
| City: | |
| the KCC with a plat showing the predicted locations of lease roads, tank | dic Protection Borehole Intent), you must supply the surface owners and k batteries, pipelines, and electrical lines. The locations shown on the plat in the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted. |
| ☐ I certify that, pursuant to the Kansas Surface Owner Notice A owner(s) of the land upon which the subject well is or will be to CP-1 that I am filing in connection with this form; 2) if the form to form; and 3) my operator name, address, phone number, fax, at ☐ I have not provided this information to the surface owner(s). I at KCC will be required to send this information to the surface owner(s). | cknowledge that, because I have not provided this information, the vner(s). To mitigate the additional cost of the KCC performing this |
| task, I acknowledge that I am being charged a \$30.00 handling If choosing the second option, submit payment of the \$30.00 handling form and the associated Form C-1, Form CB-1, Form T-1, or Form CP- | fee with this form. If the fee is not received with this form, the KSONA-1 |
| Submitted Electronically | |





HARPER COUNTY, KANSAS

T 33 S - R 06 W



PLAT SHOWING

9.70 ACRE TRACT OF LAND IN THE NE1/4 OF SECTION 05, T33S-R06W, HARPER COUNTY, KANSAS

METES AND BOUNDS DESCRIPTION (9.70 ACRE TRACT)

PART OF THE NE1/4 OF SECTION 05, TOWNSHIP 33 SOUTH, RANGE 06 WEST, HARPER COUNTY, KANSAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NE CORNER OF SAID SECTION 05;

THENCE S 01°06'46" E ALONG THE EAST LINE OF SAID SECTION 05, A DISTANCE OF 1079.63 FEET; THENCE S 88°53'14" W, A DISTANCE OF 34.96 FEET TO THE POINT OF BEGINNING;

THENCE S 00°00'18" E, A DISTANCE OF 650.03 FEET;

THENCE N 89°59'44" W, A DISTANCE OF 650.02 FEET;

THENCE N 00°00'03" E, A DISTANCE OF 649.97 FEET;

THENCE N 89°59'58" E, A DISTANCE OF 649.96 FEET TO THE POINT OF BEGINNING.

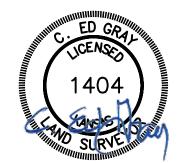
SAID TRACT CONTAINING 9.70 ACRES OF LAND AS SURVEYED.

SURVEYOR'S CERTIFICATE:

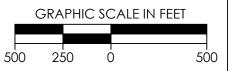
I, C. ED GRAY, KANSAS LICENSED PROFESSIONAL LAND SURVEYOR, NO. 1404, DO HEREBY CERTIFY THAT THIS PLAT REPRESENTS THE RESULTS OF A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

GENERAL NOTES:

THE TIES AND FOOTAGES SHOWN ON THIS PLAT ARE FROM LINES OF OCCUPATION FROM A SURVEY MADE ON THE GROUND AND / OR BEARING AND DISTANCES FROM THE GENERAL LAND OFFICE PLAT OF THE AREA SHOWN AND MAY NOT BE THE ACTUAL PROPERTY CORNERS. THIS PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.



12/5/2011

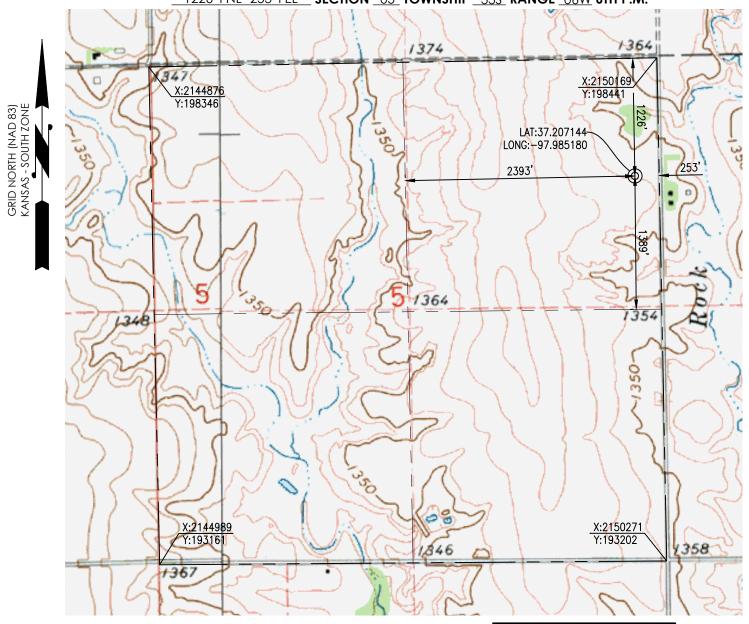


| REVISION | | San | dRidge | | | | |
|--|---|-----------|---------|------------|--------|--|--|
| "ETHAN JOHN #1-05 SWD" PART OF THE NE1/4 OF SECTION 05, T-33-S, R-06-W PROPOSED DRILL SITE HARPER COUNTY, KANSAS | | | | | | | |
| | SCALE: 1" = 500' PLOT DATE: 12-05-2011 | DRAWN BY: | S.ANDFR | SHEET NO.: | 1 OF 1 | | |

170 Commerce Road, Building 201 Conway, Arkansas 72032 501.328.3316† 501.328.3325 f www.craftontull.com Crafton Tull

COUNTY, KANSAS HARPER

1226' FNL- 253' FEL SECTION 05 TOWNSHIP 33S RANGE 06W 6TH P.M.



OPERATOR: SANDRIDGE ENERGY, INC.

WELL NO: #1-05 SWD

ELEVATION: 1361' GR. AT STAKE

TOPOGRAPHIC & VEGETATION: LOCATION FELL IN A FIELD

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET: NONE GOOD DRILL SITE: YES

BEST ACCESSIBILITY TO LOCATION: EAST LINE

DISTANCE & DIRECTION

LEASE NAME: _ETHAN JOHN

FROM HWY JCT OR TOWN: FROM THE JCT. OF KS-44 & KS-2 (ANTHONY, KS), TRAVEL NORTH ON KS-2 FOR ±4.0 MILES, TURN RIGHT (EAST) ON NE 40 RD & TRAVEL ±3.0 MILES TO THE NE

CORNER OF SECTION 05, T33S-R06W

(THE FOLLOWING **INFORMATION WAS GATHERED USING A GPS** RECEIVER ACCURACY ±2-3 METERS)

DATUM: NAD-27 **LAT:** <u>37.207144</u> **LONG**: <u>-97.985180</u> STATE PLANE COORDINATES: **ZONE:** KS-SOUTH **X**: 2149940.038 **Y**: 197211.169

SURVEYOR'S CERTIFICATE:

DATE STAKED: 12-02-11

I, C. ED GRAY, KANSAS LICENSED PROFESSIONAL LAND SURVEYOR, NO. 1404, DO HEREBY CERTIFY THAT THIS PLAT REPRESENTS THE RESULTS OF A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

GENERAL NOTES:

THE TIES AND FOOTAGES SHOWN ON THIS PLAT ARE FROM LINES OF OCCUPATION FROM A SURVEY MADE ON THE GROUND AND / OR BEARING AND DISTANCES FROM THE GENERAL LAND OFFICE PLAT OF THE AREA SHOWN AND MAY NOT BE THE ACTUAL PROPERTY CORNERS. THIS PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

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.



12/5/2011

| GRAPHIC SCALE IN FEET | | | | | | | | |
|-----------------------|----|----|----|---|---|--|----|----|
| | | | | | | | | |
| 10 | 00 | 50 | 00 | (|) | | 10 | 00 |

| REVISION | SandRidge | | | | | | | | | |
|----------|------------------------|--|-----------|---------|------------|------|---|--|--|--|
| | | "ETHAN JOHN #1-05 SWD" PART OF THE NE1/4 OF SECTION 05, T-33-S, R-06-W PROPOSED DRILL SITE | | | | | | | | |
| | | HARPER COUNTY, KANSAS | | | | | | | | |
| | SCALE: 1" = PLOT DATE: | | DRAWN BY: | s.ander | SHEET NO.: | 1 OF | 3 | | | |



GRID NORTH (NAD 83) KANSAS - SOUTH ZONE

HARPER COUNTY, KANSAS

1226' FNL- 253' FEL SECTION 05 TOWNSHIP 33S RANGE 06W 6TH P.M.



OPERATOR: SANDRIDGE ENERGY, INC.

WELL NO: #1-05 SWD

LEASE NAME: _ETHAN JOHN

TOPOGRAPHIC & VEGETATION: LOCATION FELL IN A FIELD

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET: NONE GOOD DRILL SITE: YES

BEST ACCESSIBILITY TO LOCATION: EAST LINE

DISTANCE & DIRECTION

FROM HWY JCT OR TOWN: FROM THE JCT. OF KS-44 & KS-2 (ANTHONY, KS), TRAVEL NORTH ON KS-2 FOR ±4.0 MILES, TURN RIGHT (EAST) ON NE 40 RD & TRAVEL ±3.0 MILES TO THE NE

CORNER OF SECTION 05, T33S-R06W

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ELEVATION:

1361' GR. AT STAKE

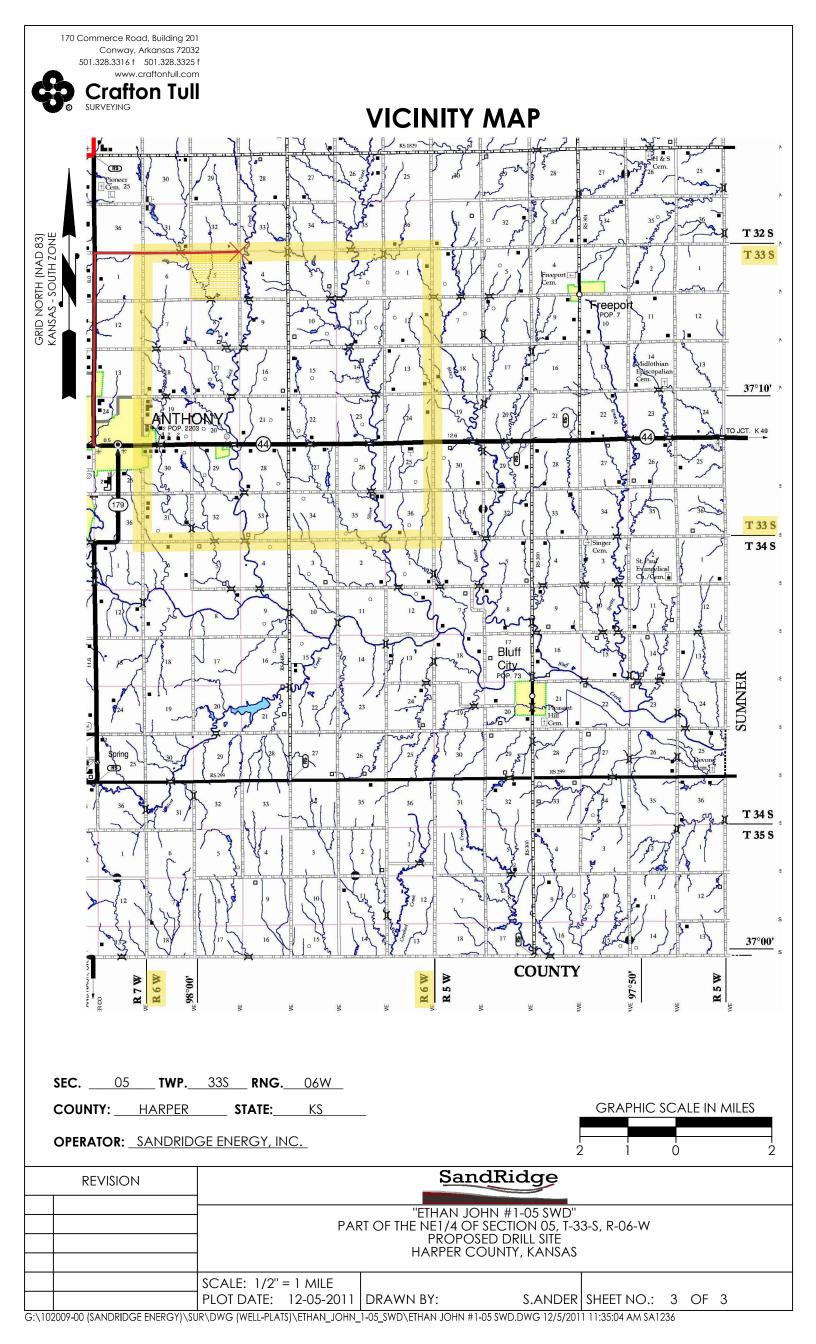
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12/5/2011

| GRAPHIC SCALE IN FEET | | | | | | | | |
|-----------------------|----|----|----|---|---|--|----|----|
| | | | | | | | | |
| 10 | 00 | 50 | 00 | (|) | | 10 | 00 |

| REVISION | SandRidge | | | | | | | | | | |
|----------|------------------------|--|-----------|---------|------------|------|-----|--|--|--|--|
| | | "ETHAN JOHN #1-05 SWD" PART OF THE NE1/4 OF SECTION 05, T-33-S, R-06-W PROPOSED DRILL SITE | | | | | | | | | |
| | 1 | HARPER COUNTY, KANSAS | | | | | | | | | |
| | SCALE: 1" = PLOT DATE: | | DRAWN BY: | s.ander | SHEET NO.: | 2 01 | F 3 | | | | |



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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

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.

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

January 18, 2012

John-Mark Beaver SandRidge Exploration and Production LLC 123 ROBERT S. KERR AVE OKLAHOMA CITY, OK 73102-6406

Re: Drilling Pit Application Ethan John 1-5 SWD NE/4 Sec.05-33S-06W Harper County, Kansas

Dear John-Mark Beaver:

District staff has inspected the above referenced location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has recommended that the reserve pit be lined with bentonite or native clay, constructed <u>without slots</u>, the bottom shall be flat and reasonably level and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again within 1 week after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (316) 630-4000 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through KOLAR within 30 days of fluid removal.

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 (316) 630-4000.