

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

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1059655

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

NOTICE OF INTENT TO DRILL

| | e (5) days prior to commencing well Surface Owner Notification Act, MUST be submitted with this form. |
|--|---|
| Expected Spud Date: | Spot Description: |
| month day year | |
| | |
| OPERATOR: License# | feet from E / W Line of Section |
| Name: | Is SECTION: Regular Irregular? |
| Address 1: | is SECTION Regular Irregular ! |
| Address 2: State: Zip: + | (Note: Locate well on the Section Plat on reverse side) |
| Contact Person: | County: |
| Phone: | Lease Name: Well #: |
| | Field Name: |
| CONTRACTOR: License# | Is this a Prorated / Spaced Field? |
| Name: | Target Formation(s): |
| Well Drilled For: Well Class: Type Equipment: | Nearest Lease or unit boundary line (in footage): |
| Oil Enh Rec Infield Mud Rotary | Ground Surface Elevation:feet MSL |
| Gas Storage Pool Ext. Air Rotary | Water well within one-quarter mile: |
| Disposal Wildcat Cable | Public water supply well within one mile: Yes No |
| Seismic ; # of Holes Other | Depth to bottom of fresh water: |
| Other: | Depth to bottom of usable water: |
| | Surface Pipe by Alternate: II II |
| If OWWO: old well information as follows: | Length of Surface Pipe Planned to be set: |
| Operator: | Length of Conductor Pipe (if any): |
| Well Name: | Projected Total Depth: |
| Original Completion Date: Original Total Depth: | Formation at Total Depth: |
| | Water Source for Drilling Operations: |
| Directional, Deviated or Horizontal wellbore? Yes No | Well Farm Pond Other: |
| If Yes, true vertical depth: | DWR Permit #: |
| Bottom Hole Location: | (Note: Apply for Permit with DWR) |
| KCC DKT #: | Will Cores be taken? |
| | If Yes, proposed zone: |
| ٨٥ | FIDAVIT |
| The undersigned hereby affirms that the drilling, completion and eventual plu | |
| | igging of this well will comply with N.S.A. 33 et. seq. |
| It is agreed that the following minimum requirements will be met: | |
| Notify the appropriate district office <i>prior</i> to spudding of well; | 1.90 |
| A copy of the approved notice of intent to drill shall be posted on each The minimum amount of surface pipe as specified below shall be set | |
| through all unconsolidated materials plus a minimum of 20 feet into the | |
| 4. If the well is dry hole, an agreement between the operator and the dist | |
| 5. The appropriate district office will be notified before well is either plugg | , |
| 6. If an ALTERNATE II COMPLETION, production pipe shall be cemente | d from below any usable water to surface within 120 DAYS of spud date. |
| | 33,891-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 | |
| - 2222 | Remember to: |
| For KCC Use ONLY | - File Certification of Compliance with the Kansas Surface Owner Notification |
| API # 15 | Act (KSONA-1) with Intent to Drill; |
| Conductor pipe requiredfeet | - File Drill Pit Application (form CDP-1) with Intent to Drill; |
| Minimum surface pipe requiredfeet per ALT. | - File Completion Form ACO-1 within 120 days of spud date; |
| | - File acreage attribution plat according to field proration orders; |
| Approved by: | Notify appropriate district office 48 hours prior to workover or re-entry; Submit plugging report (CP-4) after plugging is completed (within 60 days); |
| This authorization expires: | - Obtain written approval before disposing or injecting salt water. |
| (This authorization void if drilling not started within 12 months of approval date.) | If well will not be drilled or permit has expired (See: authorized expiration date) |

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Spud date: _

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: | | | | | | | _ Lo | cation of W | Vell: County: | : | | | | |
|--------------------|------|---|---------------|----------|-------------|-------------|--|-------------------------|---|-------------------|-------------|-----|------------------------|------------|
| Lease: | | | | | | | | | | fee | et from | N / | S Line | of Section |
| Well Numb | oer: | | | | | | | | | fee | et from | E / | W Line | of Section |
| Field: | | | | _ Se | ec | Twp | | S. R | | E | W | | | |
| Number of QTR/QTR/ | | | | _ | | | – Is | Section: | Regular | r or |] Irregular | | | |
| | | | | | | | Se | Section is ection corne | Irregular, lo er used: | | II from ne | | rner boun SW | dary. |
| | | | atteries, p | | d electrica | l lines, as | required b | | dary line. Sh sas Surface (ired. | | | | | |
| 660 ft | | 9 | : | : | | : | : | : |] | | | | | |
| | ` | | | : | | : | | : | | | LEGE | END | | |
| | | | | | | | | | | |] Tank E | | ion ocation | |
| | | | : | : | | : | : | : | | | | | | |
| | | | <u>:</u> : | 2 | | | : : : : : | | _ | EXAMPLE : : | | | | |
| | | | | : | | : | ······································ | : | | | | | : | 40001 501 |
| | | | | | | | | | | | 0-7 | | | 1980' FSL |
| | | | : | <u>:</u> | | : : | : | <u>:</u> | SEV | WARD CO. | 3390' FEL | - | | 1 |

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.

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

- 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

059655

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: | Pit is: | | | | |
| Emergency Pit Burn Pit | Proposed | Existing | SecTwpR | | |
| Settling Pit Drilling Pit | If Existing, date co | nstructed: | Feet from North / South Line of Section | | |
| Workover Pit Haul-Off Pit | Pit capacity: | | Feet from East / West Line of Section | | |
| (If WP Supply API No. or Year Drilled) | п и сарасну. | (bbls) | County | | |
| Is the pit located in a Sensitive Ground Water A | rea? Yes | No | Chloride concentration: mg/l | | |
| To the processing in a content of country training | | | (For Emergency Pits and Settling Pits only) | | |
| Is the bottom below ground level? Yes No | Artificial Liner? Yes N | No | How is the pit lined if a plastic liner is not used? | | |
| | | | NAC data (for a) | | |
| Pit dimensions (all but working pits): | Length (feet) | , | Width (feet) N/A: Steel Pits No Pit | | |
| If the pit is lined give a brief description of the li | | | dures for periodic maintenance and determining | | |
| material, thickness and installation procedure. | | | cluding any special monitoring. | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Distance to nearest water well within one-mile of pit: | | Depth to shallo Source of inforr | west fresh water feet. nation: | | |
| feet Depth of water wellfeet | | measured | well owner electric log KDWR | | |
| Emergency, Settling and Burn Pits ONLY: | | Drilling, Work | ver and Haul-Off Pits ONLY: | | |
| Producing Formation: | | Type of materia | l utilized in drilling/workover: | | |
| Number of producing wells on lease: | | Number of working pits to be utilized: | | | |
| Barrels of fluid produced daily: | | Abandonment p | procedure: | | |
| Does the slope from the tank battery allow all s flow into the pit? Yes No | pilled fluids to | Drill nite must h | e closed within 365 days of spud date. | | |
| | | | | | |
| | | | | | |
| Submitted Electronically | | | | | |
| | | | | | |
| | KCC | OFFICE USE O | NLY | | |
| | 11.00 | 513 2 332 0 1 | Liner Steel Pit RFAC RFAS | | |
| Date Received: Permit Num | ber: | Permi | t Date: Lease Inspection: Yes No | | |



Kansas Corporation Commission Oil & Gas Conservation Division

1059655

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 | (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application) |
|---|--|
| OPERATOR: License # | Well Location: |
| | County: |
| Address 1: | Lease Name: Well #: |
| Address 2: City: State: Zip: + | |
| Contact Person: | If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below: |
| Phone: () Fax: () | |
| Email Address: | |
| Surface Owner Information: | |
| Name: | 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 |
| Address 1: | 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, tan are preliminary non-binding estimates. The locations may be entered of Select one of the following: 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 I CP-1 that I am filing in connection with this form; 2) if the form form; and 3) my operator name, address, phone number, fax, a I have not provided this information to the surface owner(s). I a KCC will be required to send this information to the surface or | Act (House Bill 2032), I have provided the following to the surface located: 1) a copy of the Form C-1, Form CB-1, Form CB-1, Form CB-1, Form T-1, or Form being filed is a Form C-1 or Form CB-1, the plat(s) required by this and email address. Cacknowledge that, because I have not provided this information, the wner(s). To mitigate the additional cost of the KCC performing this gree, payable to the KCC, which is enclosed with this form. |
| 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 will be returned. |
| Submitted Electronically | |
| | _ |

TOPOGRAPHIC LAND SURVEYORS

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

Common No. LS-99, Exp. Dec 31, 2011

COMANCHE

County, Kansas County, Kansas 165'FNL-660'FWL _20W_P.M. _ Section Township Range KIOWA CO. Township Line-P T305-R20W County Line-P PIPELINE, COMANCHE T315-R20W BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED. CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD. 660 Lot: 37.380954438 Long: 99.468987855 LOT 1 LOT 2 LOT 4 C LOT 3 entra 2480 2 == | | 537. 1958 2447 BHL: 330'FSL-660'FWL 37'22'04.0" N 99'28'08.6" W X = 1718376Y=256750 Lat: 37.367781193 Long: 99.469057199 660' **GRID** 1717711 256425 1998 Scale: 1"= 1000' 2653 -2658 This location has been very carefully staked on the ground according Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured. to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy. **ELEVATION:** Operator: SANDRIDGE ENERGY, INC. 2158' Gr. at Stake Well No.: 1-2H Lease Name:_ GRACE Topography & Vegetation Loc. fell 127' South of right-of-way fence in sloped pasture: Reference Stakes or Alternate Location None Good Drill Site? __ Fair Stakes Set Best Accessibility to Location From North off county road Distance & Direction from Hwy Jct or Town From Protection, Ks, go 13 miles North to county line, then 1 mile East to the NW Cor. of Sec. 2-T31S-R20W Date of Drawing: Jul. 12, 2011 Revision X A The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. LC Invoice # 170002 Date Staked: Jul. 6, 2011 **GPS CERTIFICATE:** DATUM: NAD-27 _a Registered Land Surveyor T. Wayne Fisch LAT: _37'22'51.4"N and an authorized agent of Topographic Land Surveyors, LONG: 99'28'08.3"W do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. STATE PLANE **COORDINATES:** ZONE: KS SOUTH 1213 Kansas Reg. No. _ X:_1718446 Y: 261546

TOPOGRAPHIC LAND SURVEYORS

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

COMANCHE

COUNTY. Konsos County, Kansas 20W_P.M. 165'FNL-660'FWL Section Township Range Township Line P. 1305 720W County Line P KIOWA BOTTOM HOLE INFORMATION F BY OPERATOR LISTED. CORNER COORDINATES ARE TO FROM POINTS SURVEYED IN 1 660 LOT₄1 LOT 3 LOT 4 BHL: 330'FSL-860'FWL 37'22'04:0" N 99'28'08:6" W X=1718376 Y = 256750Long: 99:469057199 660' **GRID** Scale: 1717711 330' 1"= 1000' Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have 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. not been measured. Review this plat and notify us immediately of any possible discrepancy. **ELEVATION:** SANDRIDGE ENERGY, INC. 2158' Gr. at Stake Well No.: 1-2H Lease Name: GRACE Topography & Vegetation Loc. fell 127' South of right-of-way fence in sloped pasture: Reference Stakes or Alternate Location Stakes Set None Fair Good Drill Site? __ Best Accessibility to Location From North off county road from Hwy Jct or Town From Protection, Ks, go 13 miles North to county line, then 1 Distance & Direction mile East to the NW Cor. of Sec. 2-T31S-R20W Date of Drawing: Jul. 12, 2011 Revision X A The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. LC Invoice # 170002 Date Staked: Jul. 6, 2011 **GPS CERTIFICATE:** DATUM: NAD-27 _a Registered Land Surveyor T. Wayne Fisch LAT: _37'22'51.4"N and an authorized agent of Topographic Land Surveyors, LONG: 99'28'08.3"W do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. STATE PLANE COORDINATES:

Kansas Reg. No. <u>1213</u>

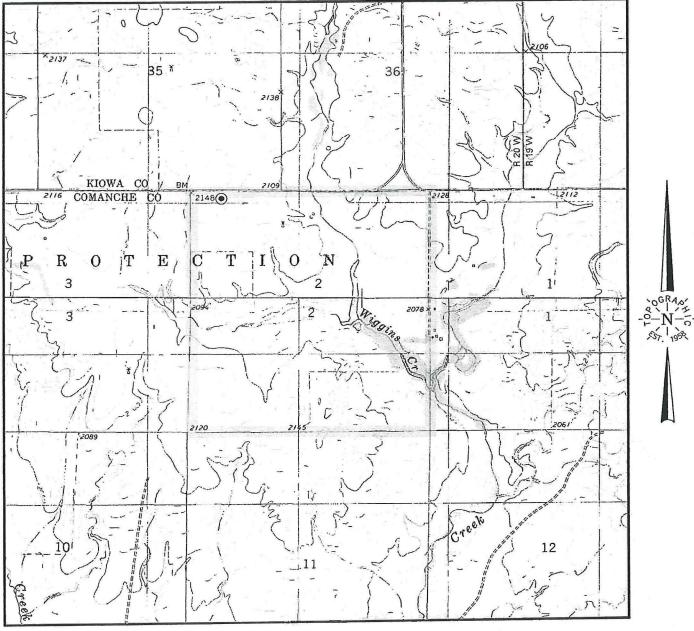
ZONE: KS SOUTH

X: 1718446 Y: 261546

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



| Twp | 315 | Rng | 20W | _ |
|-----------|---------------------------------------|--|--|---|
| COMANCHE | | State | KS | |
| SANDRIDGE | E ENE | RGY, INC | • | _ |
| 165'FNL- | 660'FV | VL | | |
| GRACE | 1-2H | | | |
| 2158' Gr. | at St | ake EK EAST, | KS | |
| | SANDRIDGI 165'FNL- GRACE 2158' Gr. | COMANCHE SANDRIDGE ENE 165'FNL-660'FV GRACE 1-2H 2158' Gr. at St | COMANCHE State SANDRIDGE ENERGY, INC 165'FNL-660'FWL GRACE 1-2H 2158' Gr. at Stake | Twp. 31S Rng. 20W COMANCHE State KS SANDRIDGE ENERGY, INC. 165'FNL-660'FWL GRACE 1-2H 2158' Gr. at Stake hic KIOWA CREEK EAST, KS |

Quadrangle Map

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

20' Contour Interval

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 LAND SURVEYORS

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

Committee of Authorization No. LS-99, Exp. Dec 31, 2011

COMANCHE

County Konsos _____ County, Kansas Township <u>31S</u> Range 165'FNL-660'FWL Section 5221'-CO. Township Line-P 7305-R20W KIOWA County Line-P BOTTOM HOLE INFORMATION BY OPERATOR LISTED. CORNER COORDINATES ARE FROM POINTS SURVEYED IN 660 Lat: 37.380954438 Long: 99.468987855 LOT 1 LOT 2 LOT 3 LOT 4 2480 2447 BHL: 330'FSL-660'FWL 37'22'04.0" N 99'28'08.6" W X=1718376 Y = 256750Lat: 37.367781193 Long: 99.469057199 660 GRID Scale: 1998 330 2653 -2658 Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have 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. not been measured. Review this plat and notify us immediately of any possible discrepancy. **ELEVATION:** SANDRIDGE ENERGY, INC. Operator:___ 2158' Gr. at Stake Well No.: 1-2H Lease Name: GRACE Topography & Vegetation Loc. fell 127' South of right-of-way fence in sloped pasture: Reference Stakes or Alternate Location None Fair Stakes Set Good Drill Site? ___ Best Accessibility to Location From North off county road Distance & Direction from Hwy Jct or Town From Protection, Ks, go 13 miles North to county line, then 1 mile East to the NW Cor. of Sec. 2-T31S-R20W Date of Drawing: Jul. 12, 2011 Revision X A The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. LC Date Staked: Jul. 6, 2011 Invoice # 170002 **CERTIFICATE:** DATUM: NAD-27 I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, LAT: 37'22'51.4"N LONG: 99'28'08.3"W do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. STATE PLANE COORDINATES:

1213

Kansas Reg. No.

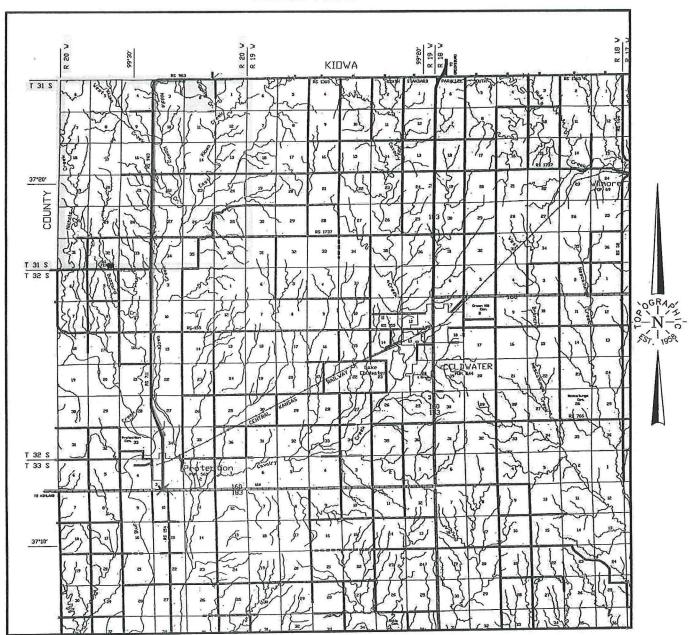
ZONE: KS SOUTH

X:_1718446 Y:__261546

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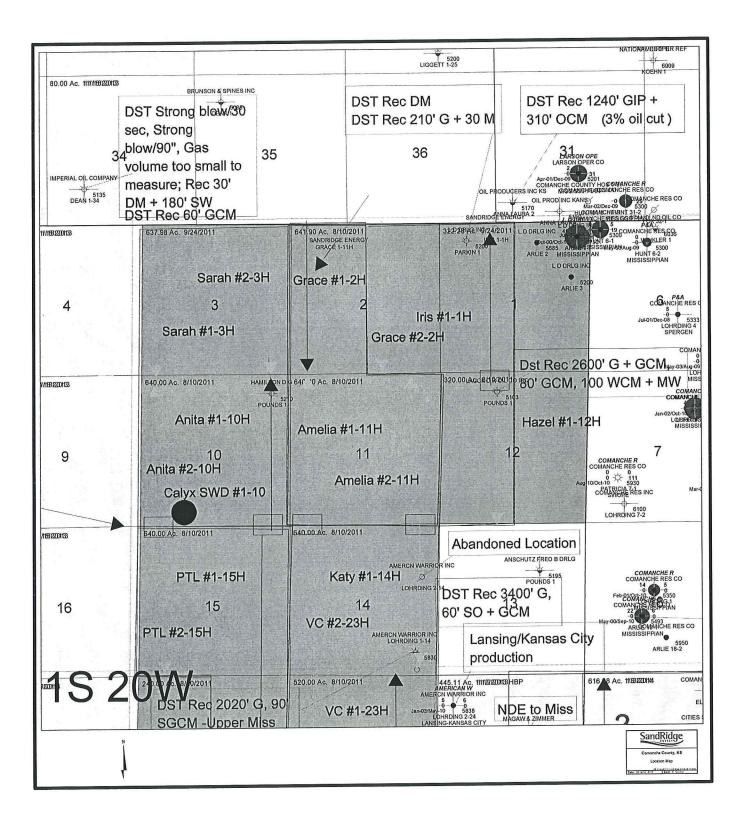
VICINITY MAP

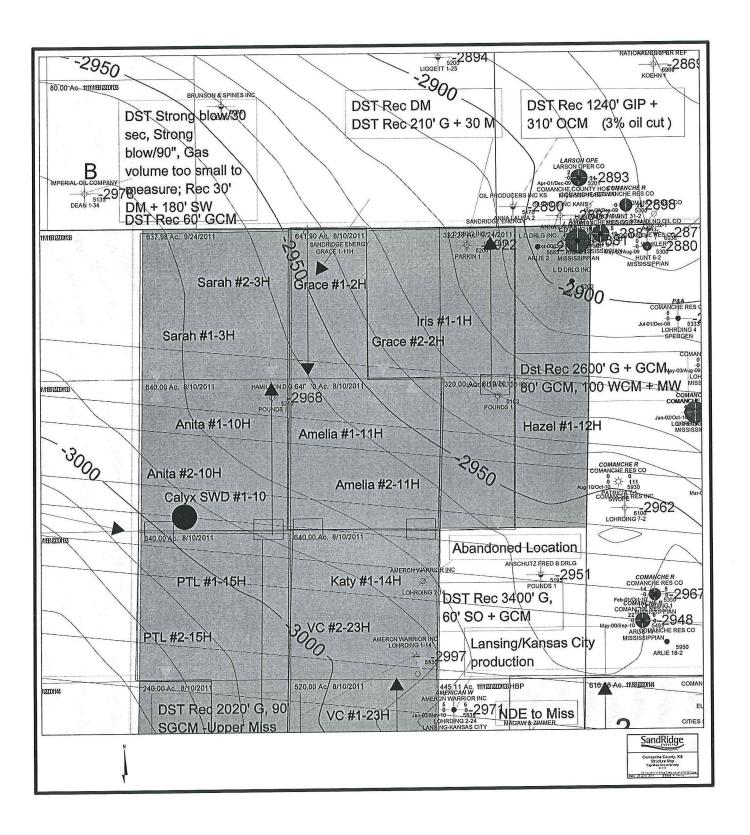


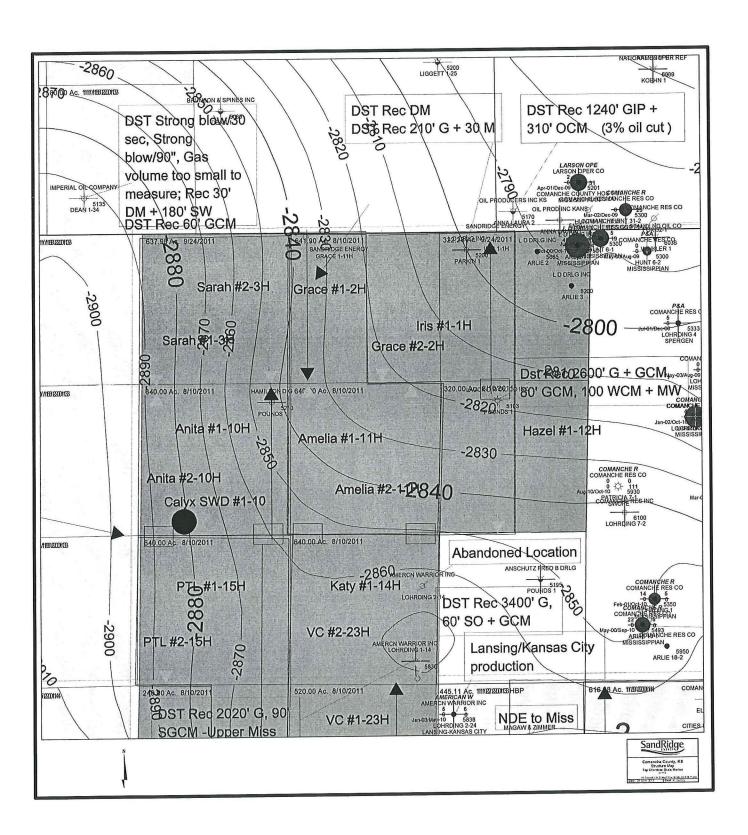
Scale: 1" = 3 Miles

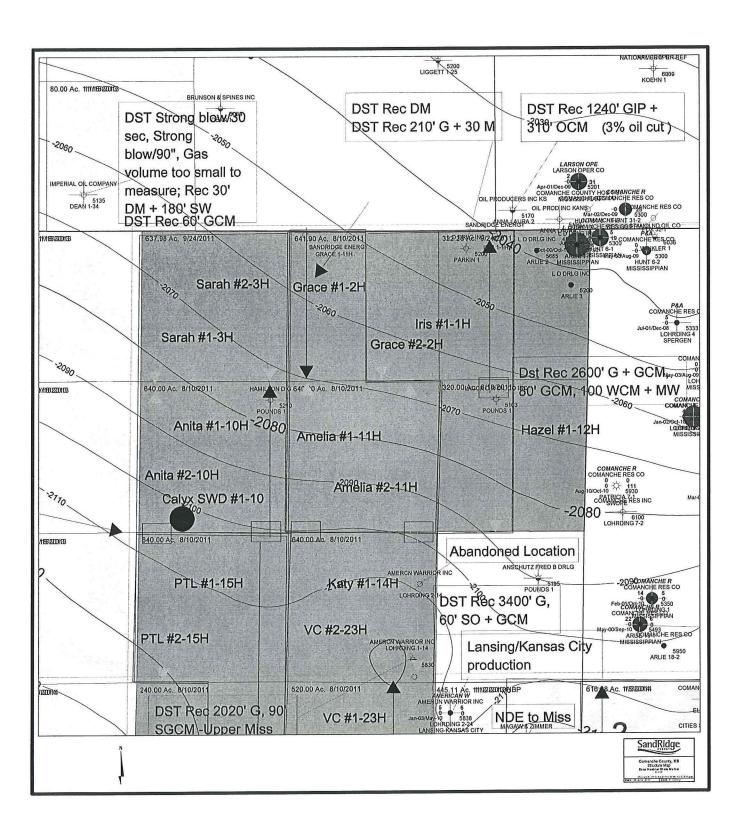
| Sec | 2_ | Twp | 315 | Rng | 20W | _ |
|----------|----|-----------|-----|----------|-----|---|
| County_ | | COMANCHE | | State | KS | _ |
| Operator | r | SANDRIDGE | ENE | RGY, INC | | |

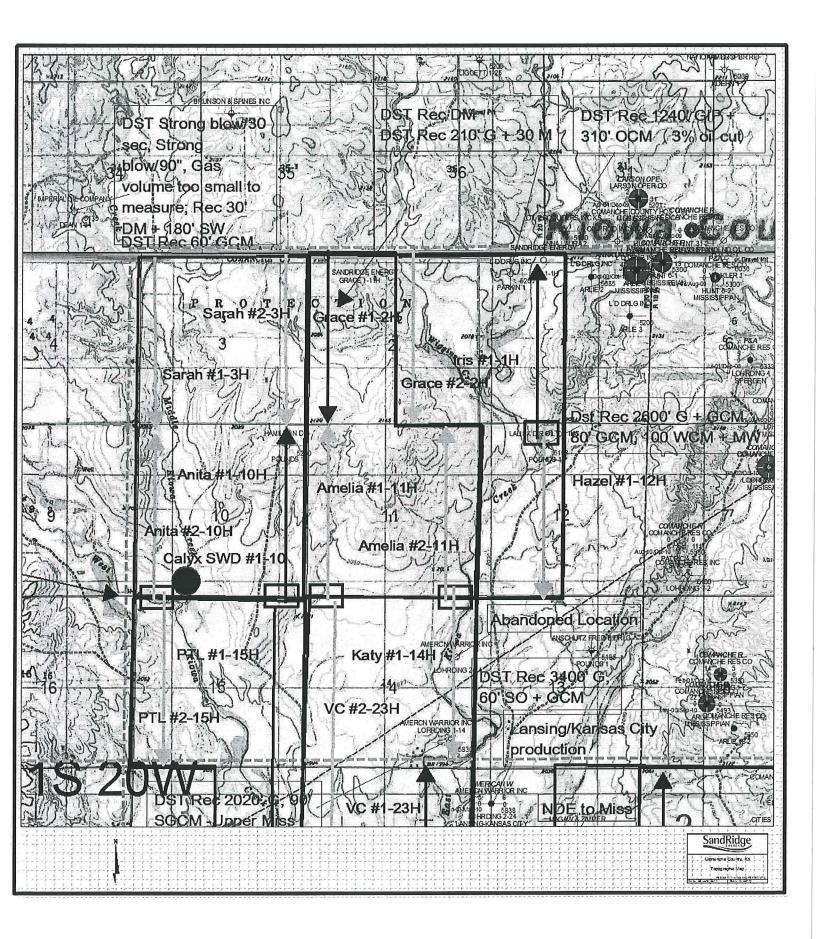












Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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

November 30, 2011

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

Re: Drilling Pit Application Grace 1-2H NW/4 Sec.02-31S-20W Comanche County, Kansas

Dear Gil Messersmith:

District staff has inspected the 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. If a plastic liner is to be used it must have a minimum thickness of 20 mil. Integrity of the liner must be maintained at all times.

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 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 as soon as practical after drilling operations have ceased. The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 225-8888 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 (620) 225-8888.