



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1148328

Form C-1
March 2010

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

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

CONTRACTOR: License# _____
Name: _____

Well Drilled For: Oil Gas Seismic ; _____ # of Holes Other: _____
Well Class: Enh Rec Storage Disposal Infield Pool Ext. Wildcat Other
Type Equipment: Mud Rotary Air Rotary Cable

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 #: _____

Spot Description: _____
_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ E W
(Q/Q/Q/Q) _____ feet from N / S Line of Section
_____ feet from E / W Line of Section
Is SECTION: Regular Irregular?

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

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: _____

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: _____

E
W

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

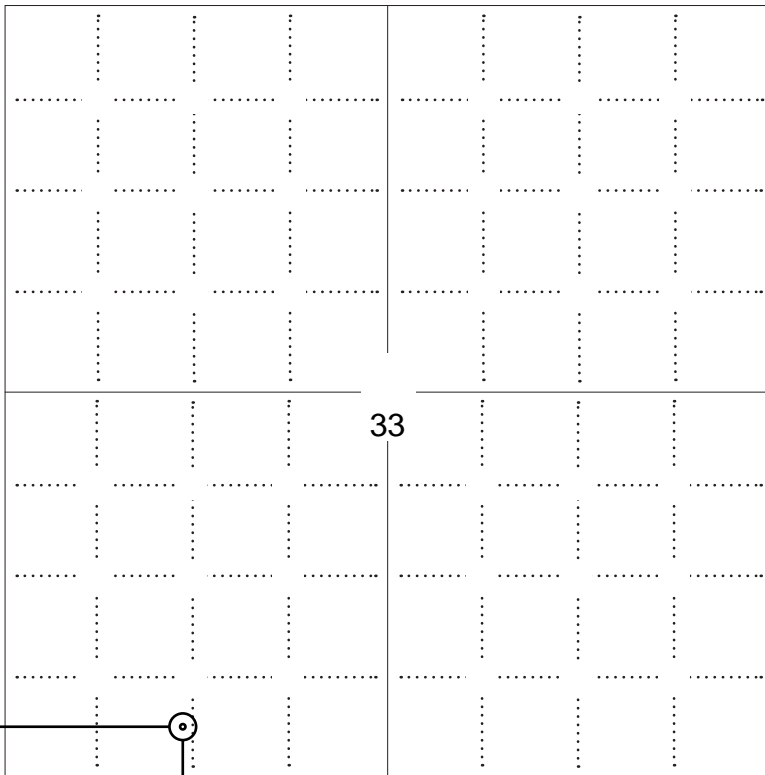
Is Section: Regular or Irregular

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.



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

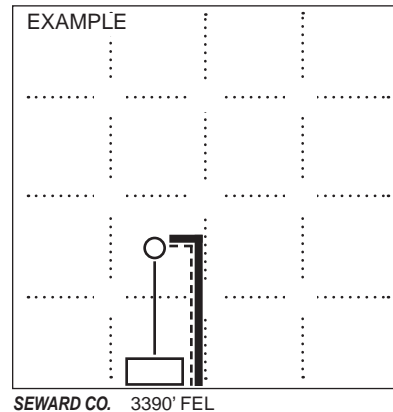
350 ft.

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.

LEGEND

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



APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name:		License Number:	
Operator Address:			
Contact Person:		Phone Number:	
Lease Name & Well No.:		Pit Location (QQQQ): ____ - ____ - ____ - ____ Sec. ____ Twp. ____ R. ____ <input type="checkbox"/> East <input type="checkbox"/> West ____ Feet from <input type="checkbox"/> North / <input type="checkbox"/> South Line of Section ____ Feet from <input type="checkbox"/> East / <input type="checkbox"/> West Line of Section ____ County	
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

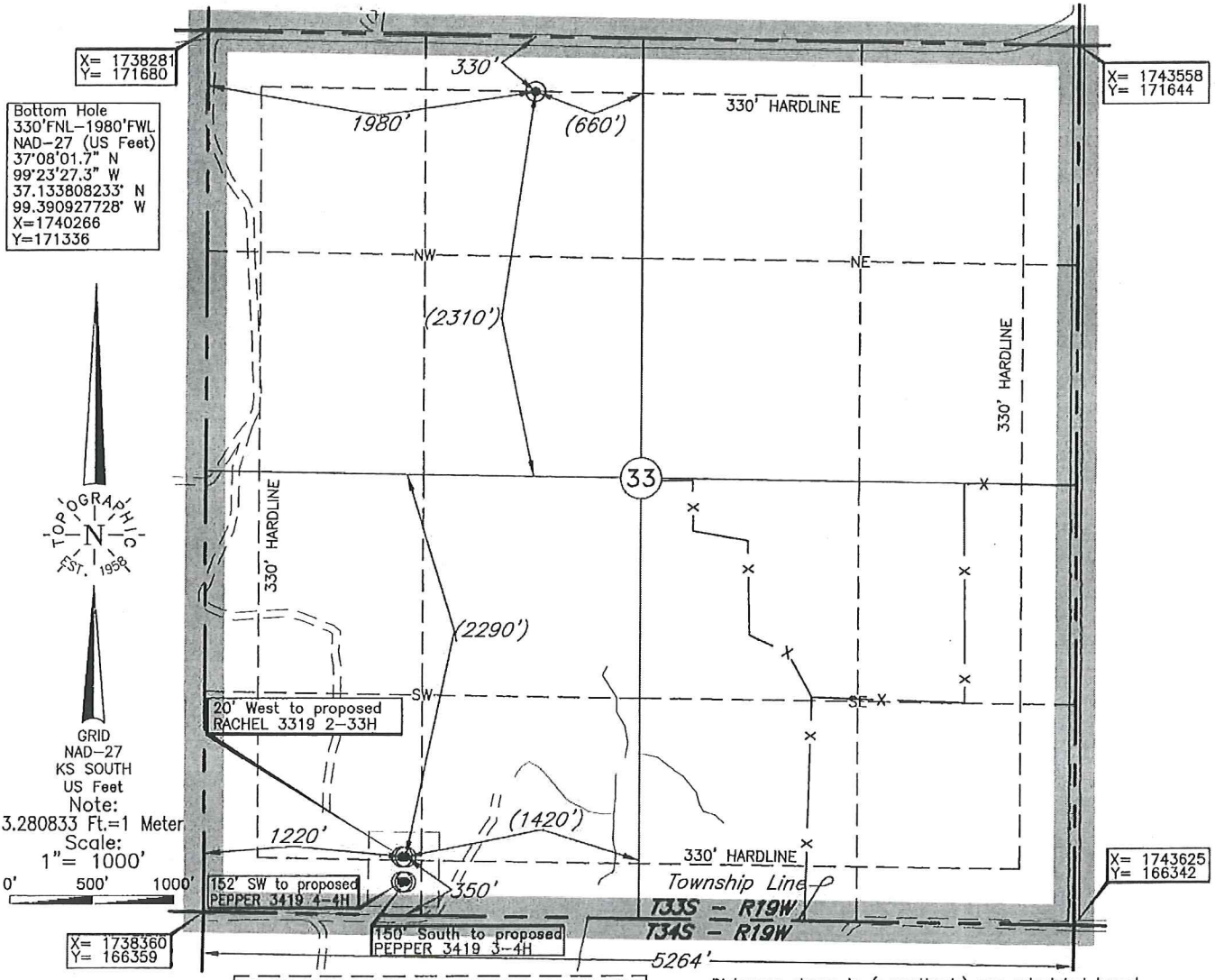
TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2013

COMANACHE

County, Kansas

350'FSL - 1220'FWL Section 33 Township 33S Range 19W P.M.



Bottom Hole
 330' FNL-1980' FWL
 NAD-27 (US Feet)
 37°08'01.7" N
 99°23'27.3" W
 37.133808233' N
 99.390927728' W
 X=1740266
 Y=171336

X= 1743558
 Y= 171644

X= 1743625
 Y= 166342

TOPOGRAPHIC
 37.195R

GRID
 NAD-27
 KS SOUTH
 US Feet
 Note:
 3.280833 Ft.=1 Meter
 Scale:
 1"= 1000'

0' 500' 1000'

X= 1738360
 Y= 166359

[BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.]

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 on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: RACHEL 3319
 Well No.: 1-33H
 ELEVATION: 1993' Gr. at Stake

Topography & Vegetation: Loc. fell in terraced pasture

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location: From West off lease road

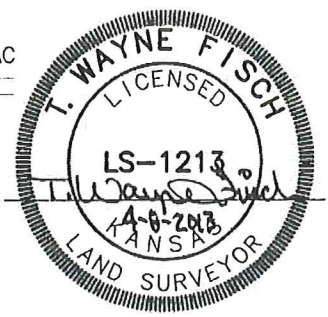
Distance & Direction: From Hwy Jct or Town From Protection, KS, go ±1.5 mi. East on US Hwy. 160, then ±5.0 mi. South, then ±3.0 mi. East to the SW Cor. of Sec. 33-T33S-R19W

Revision A Date of Drawing: Apr. 08, 2013
 Invoice # 198635B Date Staked: Mar. 27, 2013

This information was gathered with a GPS receiver with ±1.0' accuracy.

DATUM: NAD-27
 LAT: 37°07'15.9"N
 LONG: 99°23'35.3"W
 LAT: 37.121070403° N
 LONG: 99.393145347° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 1739575
 Y: 166705

CERTIFICATE:
 I, T. Wayne Fisch a Kansas Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.



Rachel 3319 1-33H

Comanche County, KS

Unit Description:

W/2 NW/4, SE/4 NW/4, SW/4 NE/4 NW/4, SW/4, NW/4 NW/4 NW/4 SE/4, S/2 NW/4 NW/4 SE/4, and all of the part of the N/2 SW/4 NW/4 SE/4 lying North of fence, containing three acres more or less described as follows: Beginning at the Northwest corner of the SW/4 NW/4 SE/4; thence South to fence; thence following fence in a Southeasterly direction to the East line of SW/4 NW/4 SE/4; thence North to the North line of said SW/4 NW/4 SE/4; thence West to place of beginning of Section 33-33S-19W

E/2 NE/4 SE/4 of 33-33S-19W

S/2 SE/4 and a tract being that part of NW/4 SE/4 lying South and West of the fence containing nine acres more or less, described as follows: Beginning at the Southwest corner of said NW/4 SE/4; thence East to the fence; thence following the fence North and Northwesterly to the half section line; thence South to the place of beginning of 33-33S-19W

Surface Owner:

Maxine V. Herd

P.O. Box 213

Protection, KS 67127

Remainder:

Warren Alan Herd

Box 515

Protection, KS 67127

Sherilyn Kay Leeper

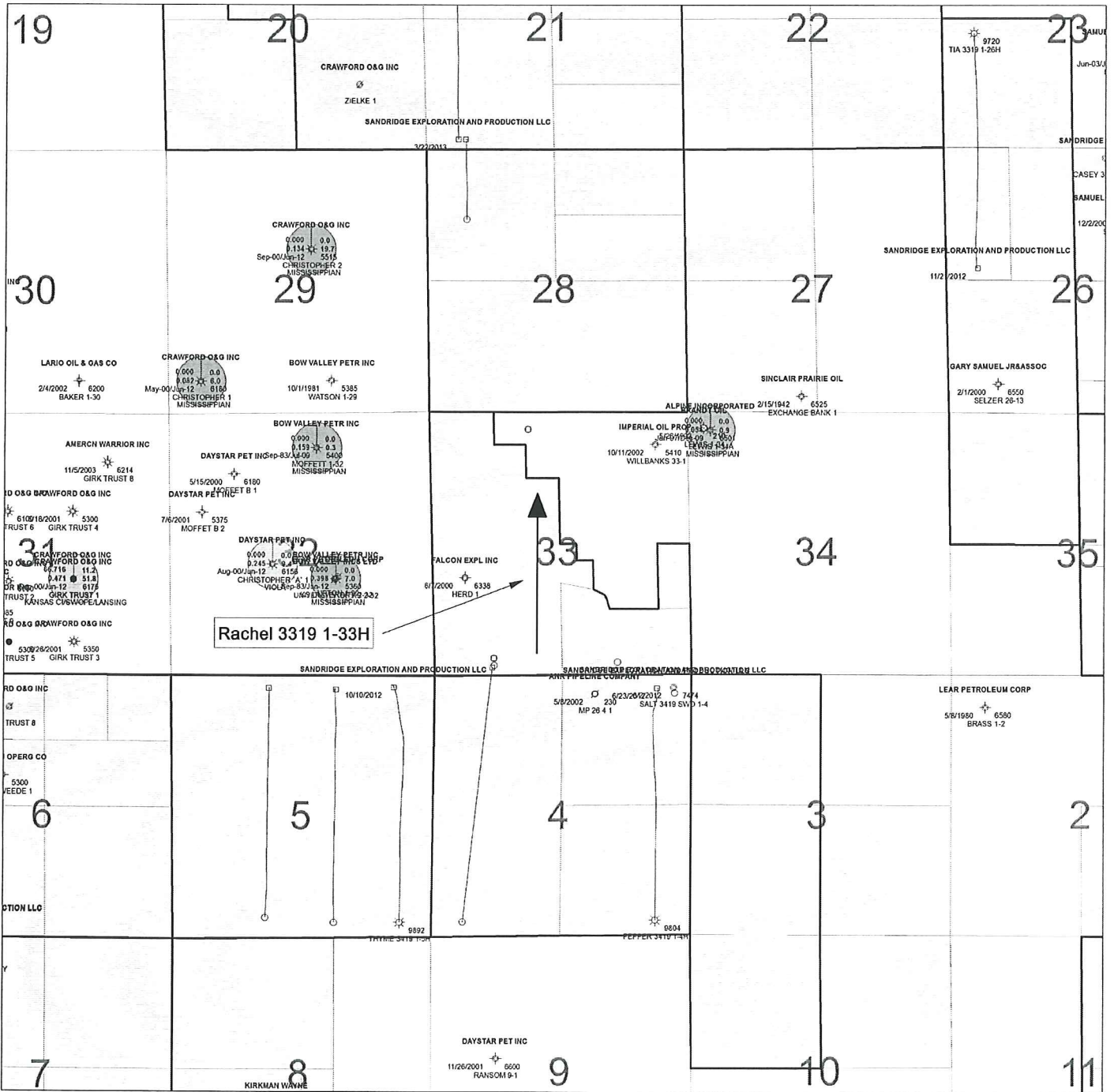
1713 Road 4

Protection, KS 67127

The Kerry and Phyllis Herd Trust

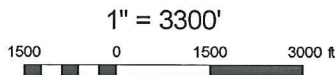
7987 So. Addison Way

Aurora, CO 80016



Rachel 3319 1-33H

- KBU - IHS PRODUCING FORMATIONS**
- POST-PERMIAN
 - PERMIAN
 - PENNSYLVANIAN UNDIFFERENTIATED
 - VIRGILIAN
 - LANSING-KANSAS CITY
 - MARMATON
 - CHEROKEE
 - BARTLESVILLE
 - ATOKA-MORROW
 - MSSP - CHESTER
 - MSSP - MEBAMEC
 - MSSP - KINDERHOOK
 - MISENER-HUNTON
 - PRE-HUNTON
 - UNKNOWN



Producing Wells

CURRENT OPERATOR
ORIGINAL OPERATOR

Cum MBO
Cum BCF
First Prod/Last Prod
Dates

Ave Daily BO
Ave Daily MCF
Total Depth

WELL NAME & NUMBER
Producing Formations

KANSAS WEST BUSINESS UNIT
Rachel 3319 1-33H - Coldwater South Area
Comanche County, Kansas

Well Info/Production Map

Date: 3 June, 2013 Geol: D. Fratarcangeli



June 4, 2013

Mazine V. Herd
P.O. Box 213
Protection, KS 67127

Re: KSONA-1 NOTIFICATION

Please find attached a draft copy of Intent to Drill currently pending with the KCC for approval. We plan to drill the Rachel 3319 1-33H well located in Comanche County, Kansas, and you are listed as a current surface owner.

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,

Tiffany Golay
Regulatory Technician
SandRidge Energy
123 Robert S Kerr Avenue
Oklahoma City, OK 73102
T: 405.429.6543
E: tgolay@sandridgeenergy.com

/file
Attach.



June 4, 2013

Warren Alan Herd
Box 515
Protection, KS 67127

Re: KSONA-1 NOTIFICATION

Please find attached a draft copy of Intent to Drill currently pending with the KCC for approval. We plan to drill the Rachel 3319 1-33H well located in Comanche County, Kansas.

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,

Tiffany Golay
Regulatory Technician
SandRidge Energy
123 Robert S Kerr Avenue
Oklahoma City, OK 73102
T: 405.429.6543
E: tgolay@sandridgeenergy.com

/file
Attach.



June 4, 2013

Sherilyn Kay Leeper
1713 Road 4
Protection, KS 67127

Re: KSONA-1 NOTIFICATION

Please find attached a draft copy of Intent to Drill currently pending with the KCC for approval. We plan to drill the Rachel 3319 1-33H well located in Comanche County, Kansas.

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,

Tiffany Golay
Regulatory Technician
SandRidge Energy
123 Robert S Kerr Avenue
Oklahoma City, OK 73102
T: 405.429.6543
E: tgolay@sandridgeenergy.com

/file
Attach.



June 4, 2013

The Kerry and Phyllis Herd Trust
7987 So. Addison Way
Aurora, CO 80016

Re: KSONA-1 NOTIFICATION

Please find attached a draft copy of Intent to Drill currently pending with the KCC for approval. We plan to drill the Rachel 3319 1-33H well located in Comanche County, Kansas.

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,

Tiffany Golay
Regulatory Technician
SandRidge Energy
123 Robert S Kerr Avenue
Oklahoma City, OK 73102
T: 405.429.6543
E: tgolay@sandridgeenergy.com

/file
Attach.

June 17, 2013

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

Re: Drilling Pit Application
API 15-033-21719-01-00
Rachel 3319 1-33H
SW/4 Sec.33-33S-19W
Comanche County, Kansas

Dear Tiffany Golay:

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 **without slots**, 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 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 (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.

Summary of Changes

Lease Name and Number: Rachel 3319 1-33H

API/Permit #: 15-033-21719-01-00

Doc ID: 1148328

Correction Number: 1

Approved By: Rick Hestermann 06/18/2013

Field Name	Previous Value	New Value
Depth Of Water Well	196	140
ElevationPDF	1988 Estimated	1991 Estimated
Feet to Nearest Water Well Within One-Mile of Pit	1679	3988
Ground Surface Elevation	1988	1991
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
KCC Only - Approved By	Rick Hestermann 06/04/2013	Rick Hestermann 06/18/2013
KCC Only - Approved Date	06/04/2013	06/18/2013
KCC Only - Date Received	06/04/2013	06/17/2013
KCC Only - Regular Section Quarter Calls	NW SW SE SE	NE SE SW SW

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Liner	Yes	No
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=33&tSE	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=33&tSW
Quarter Call 1 - Largest	SE	SW
Quarter Call 1 - Largest	SE	SW
Quarter Call 2	SE	SW
Quarter Call 2	SE	SW
Quarter Call 3	SW	SE
Quarter Call 3	SW	SE
Quarter Call 4 - Smallest	NW	NE
Quarter Call 4 - Smallest	NW	NE
Save Link	../kcc/detail/operatorEditDetail.cfm?docID=1144461	../kcc/detail/operatorEditDetail.cfm?docID=1148328

Summary of Attachments

Lease Name and Number: Rachel 3319 1-33H

API: 15-033-21719-01-00

Doc ID: 1148328

Correction Number: 1

Approved By: Rick Hestermann 06/18/2013

Attachment Name

Attachments

Bentonite Liner Fluids