



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

KANSAS CORPORATION COMMISSION 1109057
 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

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: | Well Class: | Type Equipment: |
| <input type="checkbox"/> Oil | <input type="checkbox"/> Enh Rec | <input type="checkbox"/> Infield |
| <input type="checkbox"/> Gas | <input type="checkbox"/> Storage | <input type="checkbox"/> Pool Ext. |
| | <input type="checkbox"/> Disposal | <input type="checkbox"/> Wildcat |
| <input type="checkbox"/> Seismic ; _____ # of Holes | <input type="checkbox"/> Other | <input type="checkbox"/> Mud Rotary |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> Air Rotary |
| | | <input type="checkbox"/> Cable |
| <input type="checkbox"/> 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

| |
|--|
| <p>For KCC Use ONLY</p> <p>API # 15 - _____</p> <p>Conductor pipe required _____ feet</p> <p>Minimum surface pipe required _____ feet per ALT. <input type="checkbox"/> I <input type="checkbox"/> II</p> <p>Approved by: _____</p> <p>This authorization expires: _____ <small>(This authorization void if drilling not started within 12 months of approval date.)</small></p> <p>Spud date: _____ Agent: _____</p> |
|--|

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

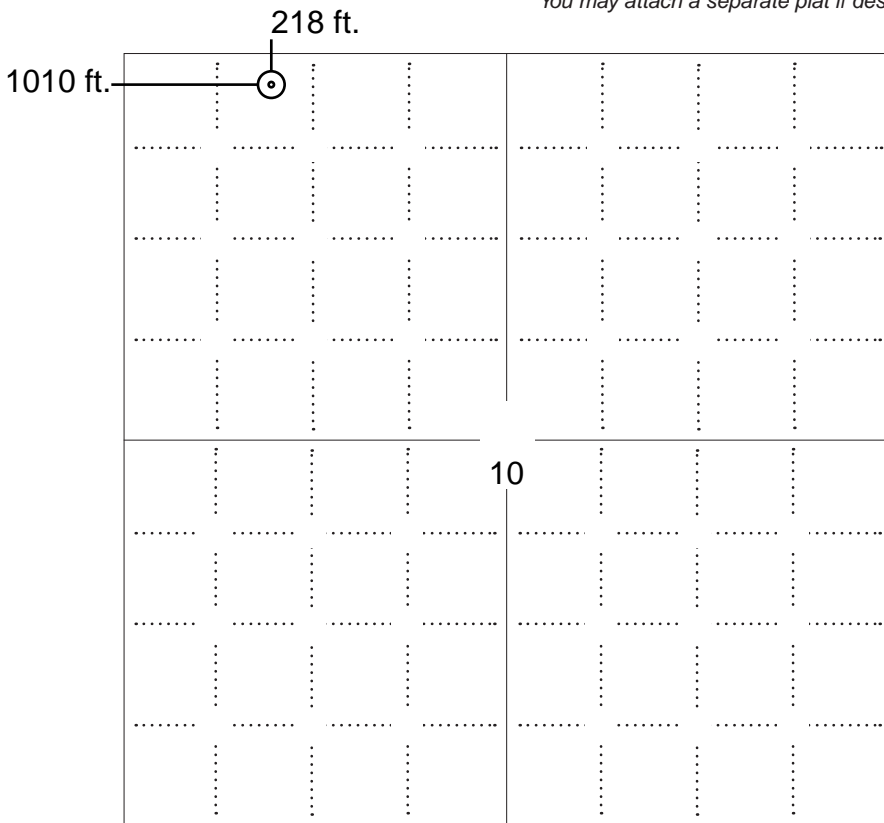
Is Section: Regular or Irregular

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.



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

Well Name: Donovan 2-10H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Barber

SHL: 218 FNL & 1010 FWL

Township: 34S

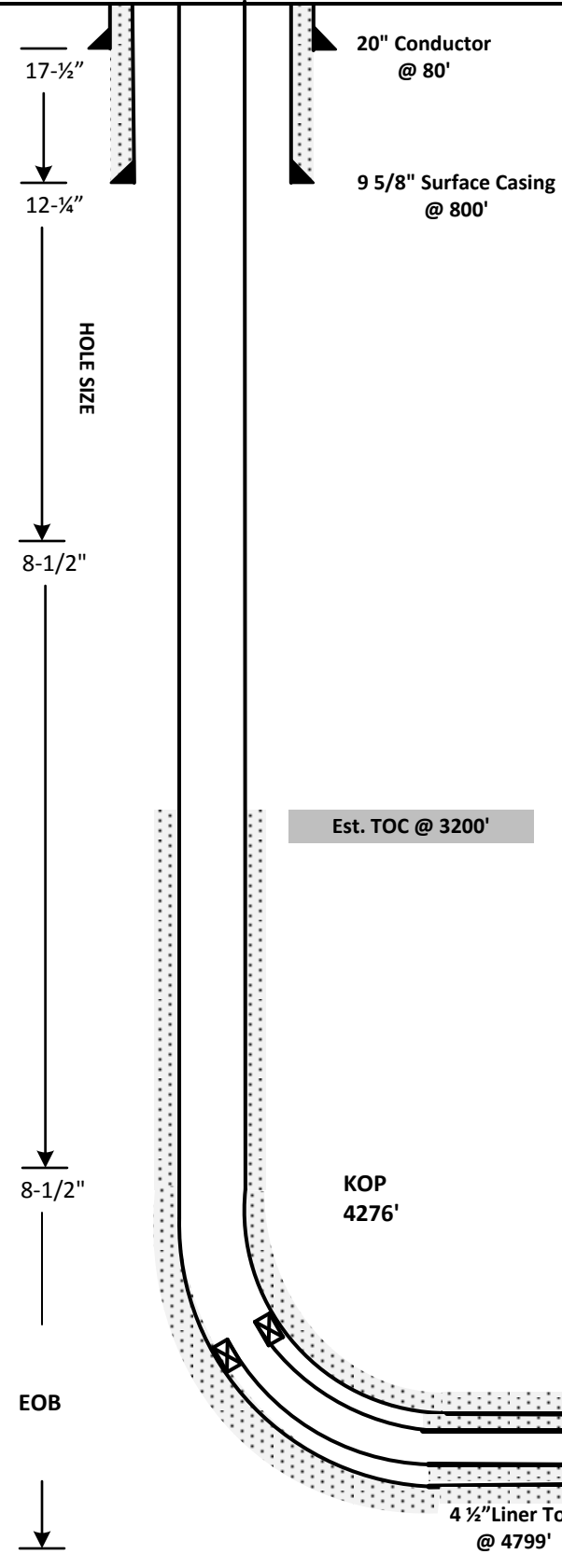
Proposed

GL Elev: KB: KB Elev:

BHL: 330 FSL & 1010 FWL

AFE:

Permit Number:



Tubular Details

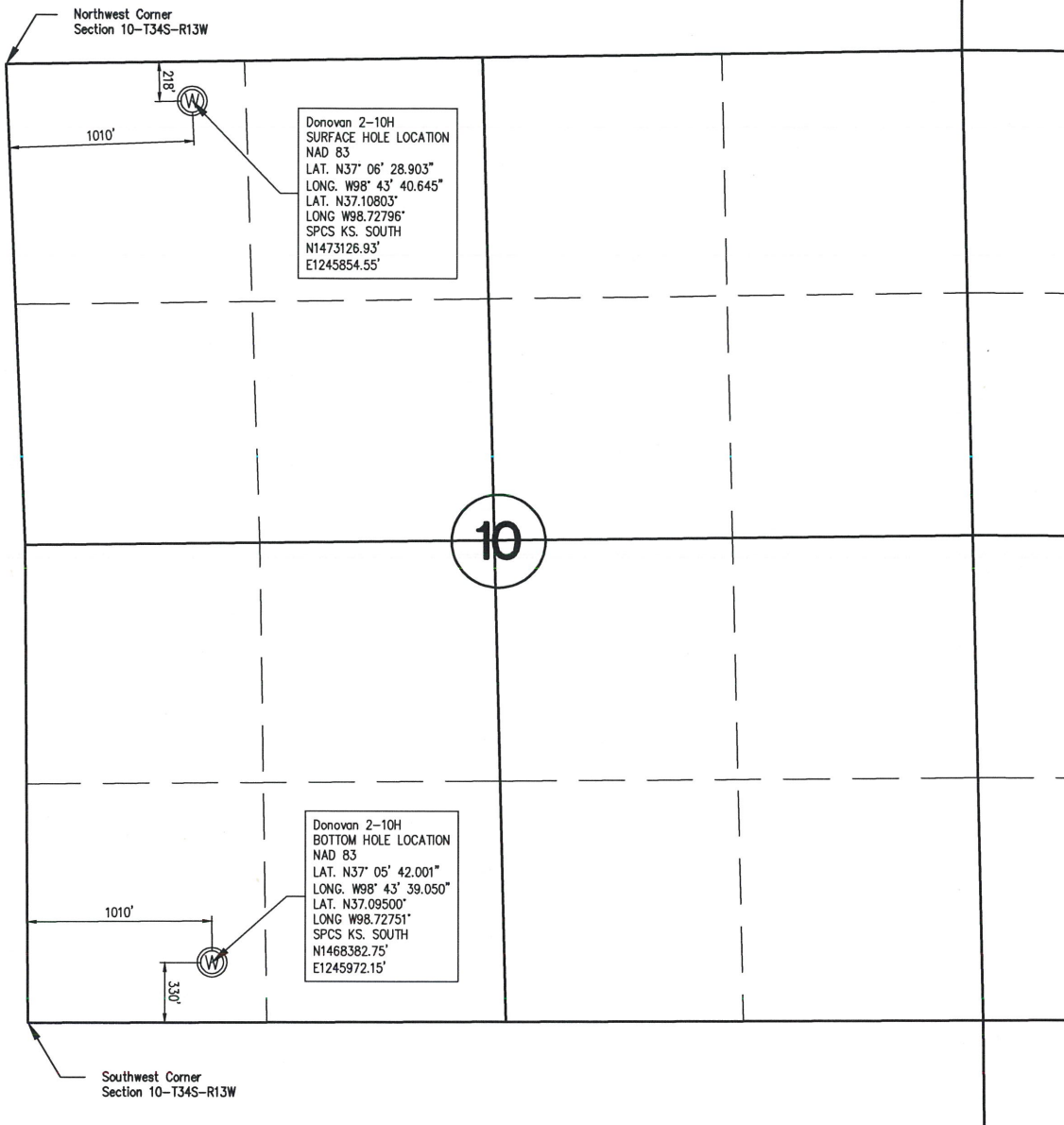
| | 20" | 9 5/8" | 7" | 4-1/2" |
|----------------|----------|----------|----------|-------------|
| Weight | 94 lb/ft | 36 lb/ft | 26 lb/ft | 15.10 lb/ft |
| Grade | X-42 | J-55 | P-110 | N-80 |
| Burst | 3590 psi | 3520 psi | 9960 psi | 10480 psi |
| Collapse | NA | 2020 psi | 6230 psi | 11080 psi |
| Wall Thickness | 0.438" | 0.352" | 0.724" | 0.337" |
| ID | 19.124" | 8.921" | 6.276" | 3.826" |
| Setting Depth | 80' | 800' | 5175' | 10000' |

Cement Details

| Interval | Company | Excess | Est. Vol |
|-----------------|---------|--------|----------|
| Surface | | | |
| Intermediate | | | |
| Production Lead | | | |
| Production Tail | | | |

See attachments for slurry details

WELL STAKE-OUT SURVEY



Donovan 2-10H
SURFACE HOLE LOCATION
NAD 83
LAT. N37° 06' 28.903"
LONG. W98° 43' 40.645"
LAT. N37.10803°
LONG W98.72796°
SPCS KS. SOUTH
N1473126.93'
E1245854.55'

Donovan 2-10H
BOTTOM HOLE LOCATION
NAD 83
LAT. N37° 05' 42.001"
LONG. W98° 43' 39.050"
LAT. N37.09500°
LONG W98.72751°
SPCS KS. SOUTH
N1468382.75'
E1245972.15'



Lease Name: Donovan
Well No.2-10H
Surface El. at SHL stake: 1830 NAVD88
Well location Co./State: Barber Co. Kansas
Well location Section: 10-T34S-R13W

Alternate Datums
Horz. Datum NAD27
Donovan #2-10H SHL Lat. N37.108003° Long. W98.727589°
Donovan #2-10H BHL Lat. N37.094975° Long. W98.727146°
Donovan #C-1 SHL Lat. N37.105208° Long. W98.728504°

SURVEY DATUMS (shown on drawing)
Horz. Datum NAD83(CORS96)
Vert. Datum NAVD88(GEIOD09)
Ks. SPCS South Zone (US Feet)

State of Kansas)
)SS
Sedgwick County)

This is to certify that this map or plat and the survey on which it is based was made by me or under my direct supervision and that to the best of knowledge and belief, this is a true and correct exhibit of said Survey. The wells shown hereon were staked January 3, 2013 at the coordinate location noted.

William P. Fox
William P. Fox LS 799
This survey is valid only if print bears Surveyor's seal signed in blue ink.



POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

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: Tug Hill Operating, LLC
 Lease: Donovan
 Well Number: 2-10H
 Field: Unknown
 Number of Acres attributable to well: 10
 QTR/QTR/QTR/QTR of acreage: NE - NE - NW - NW

Location of Well: County: Barber
218 feet from N / S Line of Section
1,010 feet from E / W Line of Section
 Sec. 10 Twp. 34 S. R. 13 E W

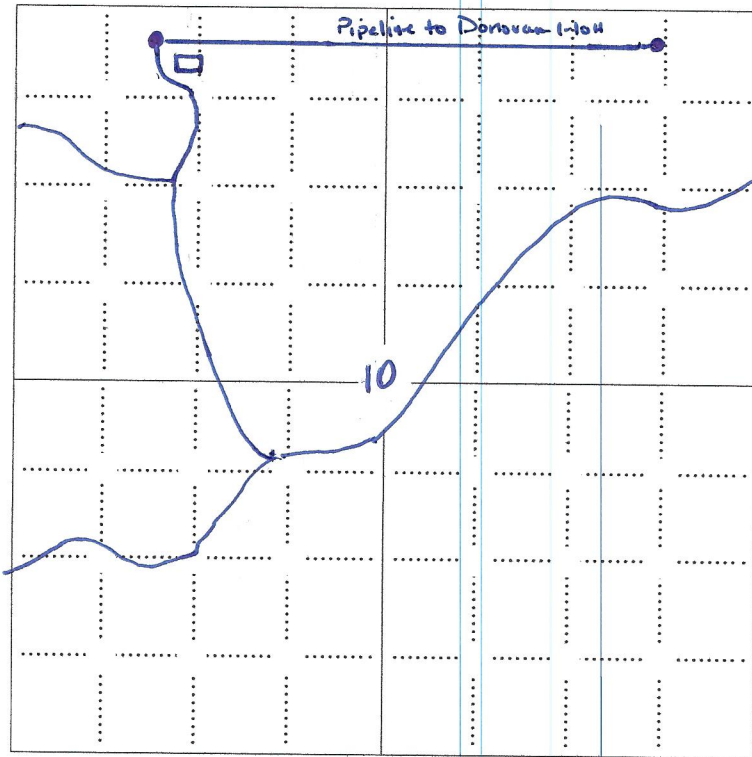
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

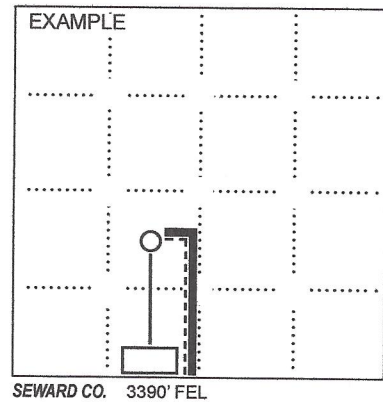
PLAT

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 location.

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.

NOI APPLICATION: Donovan # 2-10H

LEASE INFORMATION

COUNTY: Barber

LESSOR: James R. Donovan Trust – UTA dtd 3/04/2010

LESSEE: Cheyenne Exploration, LLC

LEASE DATE: September 27. 2011

RECORDING INFORMATION: Memorandum @ Bk 343 Pg 326

LEGAL DESCRIPTION:

T34S R13W:

SEC 11: ALL, except the NE/4, NE/4

SEC 10: ALL

SEC. 3: S/2 NE/4

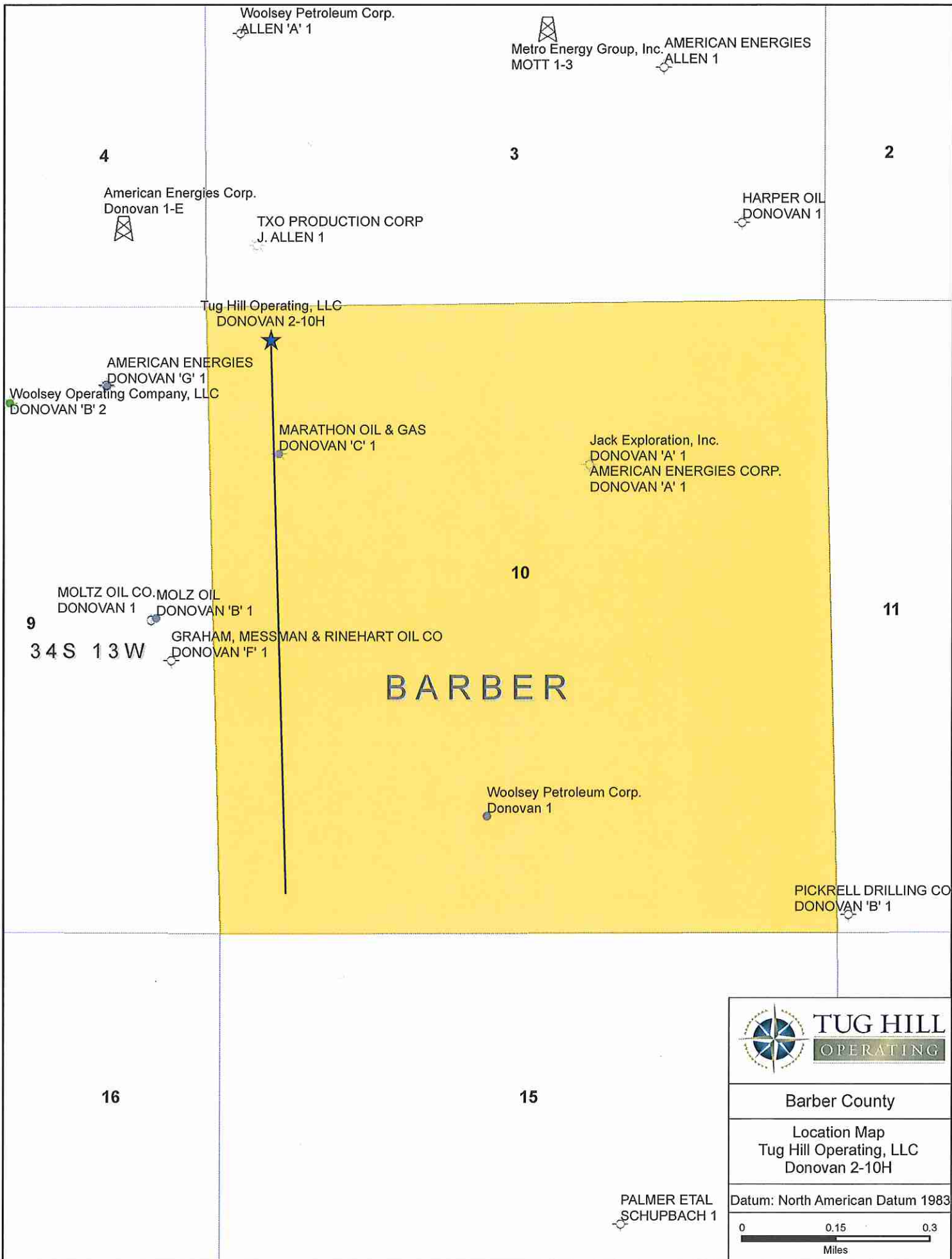
UNITIZED LEASES:

NONE

SURFACE:

T34S, R13W

SEC. 10: ALL - James R. Donovan Trust – UTA dtd 3/04/2010



Woolsey Petroleum Corp.
ALLEN 'A' 1

Metro Energy Group, Inc. MOTT 1-3
AMERICAN ENERGIES ALLEN 1

4

3

2

American Energies Corp.
Donovan 1-E

TXO PRODUCTION CORP
J. ALLEN 1

HARPER OIL
DONOVAN 1

Tug Hill Operating, LLC
DONOVAN 2-10H

AMERICAN ENERGIES
DONOVAN 'G' 1

Woolsey Operating Company, LLC
DONOVAN 'B' 2

MARATHON OIL & GAS
DONOVAN 'C' 1

Jack Exploration, Inc.
DONOVAN 'A' 1
AMERICAN ENERGIES CORP.
DONOVAN 'A' 1

10

11

MOLTZ OIL CO. MOLTZ OIL
DONOVAN 1 DONOVAN 'B' 1

9

GRAHAM, MESSMAN & RINEHART OIL CO
DONOVAN 'F' 1

34 S 13 W

BARBER

Woolsey Petroleum Corp.
Donovan 1

PICKRELL DRILLING CO
DONOVAN 'B' 1

16

15



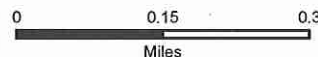
TUG HILL
OPERATING

Barber County

Location Map
Tug Hill Operating, LLC
Donovan 2-10H

Datum: North American Datum 1983

PALMER ETAL
SCHUPBACH 1



January 22, 2013

Winnie Scott
Tug Hill Operating, LLC
550 BAILEY AVE, STE 510
FT. WORTH, TX 76107

Re: Drilling Pit Application
Donovan 2-10H
NW/4 Sec.10-34S-13W
Barber County, Kansas

Dear Winnie Scott:

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 30 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.