

Well will not be drilled or Permit Expired Date: \_

Signature of Operator or Agent:

| For KCC    | Use:     |  |
|------------|----------|--|
| Effective  | Date:    |  |
| District # | <u> </u> |  |
| SGA?       | Yes No   |  |

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1120680

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 🔲 E 🔲 V   |
| DPERATOR: License#   | (0/0/0/0) feet from N / S Line of Section  |
| Name:  | feet from E / W Line of Section  |
| ddress 1:  | Is SECTION: Regular Irregular?   |
| ddress 2:  | (Note: Locate well on the Section Plat on reverse side)  |
| State:   | County:  |
| Contact Person:  | Lease Name: Well #:  |
| hone:  | Field Name:  |
| CONTRACTOR: License#   | Is this a Prorated / Spaced Field?   |
| lame:  | 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 MS   |
| Gas Storage Pool Ext. Air Rotary   | Water well within one-quarter mile:  |
| Disposal Wildcat Cable   | Public water supply well within one mile:  |
| 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: I II  |
|  | Length of Surface Pipe Planned to be set:  Length of Conductor Pipe (if any):  |
| Operator:  | Projected Total Depth:   |
| Well Name: Original Total Depth:   | Formation at Total Depth:  |
| Original Completion Date Original Total Deptil   | Water Source for Drilling Operations:  |
| Directional, Deviated or Horizontal wellbore?  | Well Farm Pond Other:  |
| f Yes, true vertical depth:  | DWR Permit #:  |
| Bottom Hole Location:  | ( <b>Note:</b> Apply for Permit with DWR)  |
| CC DKT #·  |  |
| NOO DINT #   | Will Cores be taken? YesN  |
| OO DINI #  | Will Cores be taken?N  If Yes, proposed zone:  |
|  |  |
| AFF  | If Yes, proposed zone:   |
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SEWARD CO. 3390' FEL

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

# IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

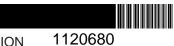
In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

| Operator:   | Location of Well: County:   |
|---|---|
| Lease:  | feet from N / S Line of Section   |
| Well Number:  | feet from E / W Line of Section   |
| Field:  | SecTwp S. R 🗌 E 🔲 W   |
| Number of Acres attributable to well:   | Is Section: Regular or Irregular  |
|   | If Section is Irregular, locate well from nearest corner boundary.  |
|   | Section corner used: NE NW SE SW  |
| Show location of the well. Show footage to the nearest lease roads, tank batteries, pipelines and electrical lines, as re | PLAT  t lease or unit boundary line. Show the predicted locations of equired by the Kansas Surface Owner Notice Act (House Bill 2032). separate plat if desired. 1520 ft. |
|   |   |
|   | LEGEND  |
| ©   | O Well Location  Tank Battery Location  Pipeline Location  1364 ft Electric Line Location  Lease Road Location  |
|   |   |
|   | EXAMPLE :   |
| 8   |   |
|   |   |
|   | 1980' FSL   |
|   |   |

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

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   | Pit is:                 |                   | SecTwp R  |
| Settling Pit Drilling Pit  | If Existing, date con   |                   | Feet from North / South Line of Section   |
| Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)   | Pit capacity:(bbls)     |                   | Feet from East / West Line of Section County                                    |
| Is the pit located in a Sensitive Ground Water A   | rea? Yes N              | No                | Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)        |
| Is the bottom below ground level?  Yes No Artificial Liner?  Yes No                                      |                         | 0                 | How is the pit lined if a plastic liner is not used?                            |
| Pit dimensions (all but working pits):   | Length (fee             | t)                | Width (feet) N/A: Steel Pits  |
| Depth fro  | om ground level to deep | pest point:       | (feet) No Pit   |
| If the pit is lined give a brief description of the line material, thickness and installation procedure. | itei                    |                   | dures for periodic maintenance and determining ncluding any special monitoring. |
| Distance to nearest water well within one-mile of  | of pit:                 | Depth to shallo   | west fresh water feet.<br>mation:   |
| feet Depth of water wellfeet   |                         | measured          | well owner electric log KDWR  |
| Emergency, Settling and Burn Pits ONLY:  |                         | Drilling, Worko   | over and Haul-Off Pits ONLY:  |
| Producing Formation:   |                         | Type of materia   | al utilized in drilling/workover:   |
| Number of producing wells on lease:  |                         | Number of work    | king pits to be utilized:   |
| Barrels of fluid produced daily:   |                         | Abandonment p     | procedure:  |
| Does the slope from the tank battery allow all spilled fluids to flow into the pit?                      |                         | Drill pits must b | pe closed within 365 days of spud date.   |
| Submitted Electronically   |                         |                   |   |
|  | ксс                     | OFFICE USE OI     | NLY  Liner Steel Pit RFAC RFAS  |
| Date Received: Permit Numb   | ber:                    | Permi             | t Date: Lease Inspection: Yes No  |



1120680

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 (C   | Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)  |
|---|--|
| OPERATOR: License #   | Well Location:   |
| Name:   | SecTwpS. R 🔲 East 🗌 West   |
| Address 1:  | County:  |
| Address 2:  | Lease Name: Well #:  |
| City:   | 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 a 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. |
| Select one of the following:  |  |
| owner(s) of the land upon which the subject well is or will be loce CP-1 that I am filing in connection with this form; 2) if the form the form; and 3) my operator name, address, phone number, fax, and I have not provided this information to the surface owner(s). I an KCC will be required to send this information to the surface owner(s). | cknowledge that, because I have not provided this information, the<br>ner(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  |  |

## **NOTICE OF INTENT APPLICATION**

#### Mathews #2-8H

T33S-R10W, Section 8 (1520' FNL & 1364' FEL)

# LEASE INFORMATION:

## **Surface Hole Lease**

County: Barber

Lessor: Michael Scott Mathews and wife, Becky Kay Mathews

Lessee: Cheyenne Exploration, LLC

Lease Date: September 14, 2011

Recording Information: Memorandum of O&GL in Book 335, Page 190 Legal Description: Township 33 South, Range 10 West, 6th P.M.,

Section 8: N/2SE/4; S/2NE/4; SW/4NW/4; SE/4NW/4 covering 240.00 acres, more or less, among other lands

## **Bottom Hole Lease**

County: Barber

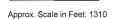
Lessor: Michael Scott Mathews and wife, Becky Kay Mathews

Lessee: Tug Hill Kansas, LLC Lease Date: December 30, 2011

Recording Information: Memorandum of O&GL in Book 338, Page 477 Legal Description: Township 33 South, Range 10 West, 6th P.M.,

Section 8: S/2SE/4

Section 17: N/2SE/4; S/2NE/4; N/2NE/4; and NW/4 covering 480.00 acres, more or less, among other lands





Lease Name: Mathews

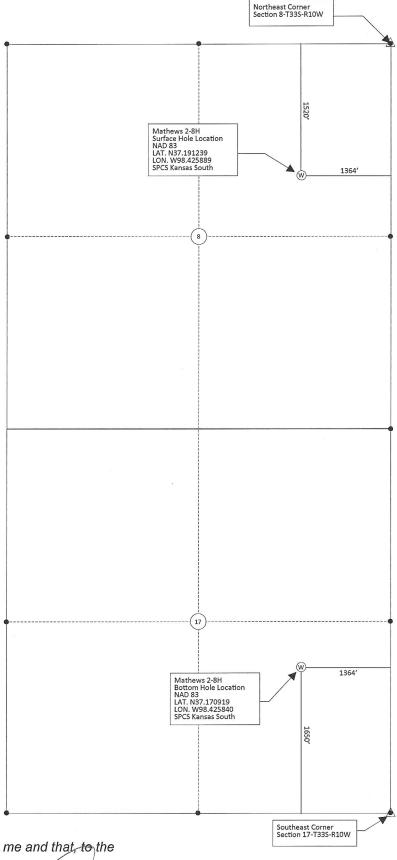
Well No. 2-8H

Well loc. Co./St.: Barber County, KS Well loc. Section: 8-T33S-R10W

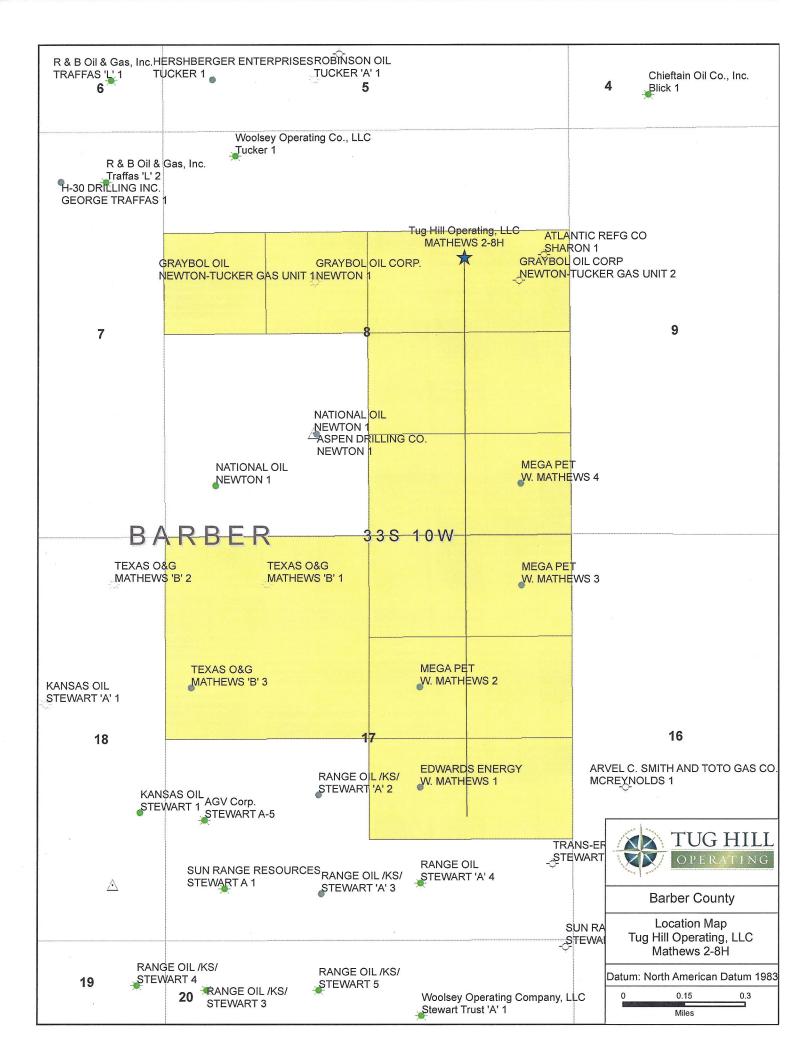
Survey Datums (shown on drawing)

Horz. Datum NAD83

Kansas SPCS South Zone (US Feet)



This is to certify that this map was made by me and that to the best of my knowledge, is-true and correct.



Contractor/Rig: Patterson-UTI 421 Well Name: Matthews 2-8H State: KS **County: Barber Proposed** Township: 34S SHL: 1520 FNL & 1364 FEL **GL Elev:** KB: **KB Elev:** BHL: 1650 FSL & 1364 FEL S17-T33S-R10W AFE: **Permit Number: Tubular Details** 20" Conductor 17-1/2 @ 100' 20" 9 5/8" 7" 4-1/2" 15.10 lb/ Weight 94 lb/ft 36 lb/ft 26 lb/ft Grade X-42 J-55 P-110 N-80 9 5/8" Surface Casing 12-1/4" @ 800' Burst 3590 psi 3520 psi 9960 psi 10480 psi 6230 psi NA Collapse 11080 psi 2020 psi Wall Thickness 0.438" 0.352" 0.337" 0.724" HOLE SIZE ID 19.124" 8.921" 6.276" 3.826" Setting Depth 100' 800' 5310' 12000' 8-1/2" **Cement Details** Est. Vol Interval Company **Excess** Surface Intermediate Production Est. TOC @ 3200' Lead Production Tail See attachments for slurry details **KOP** 8-1/2" 4235' 7" Intermediate Casing @ 5310' **EOB** TD at 12000' MD 4 1/2" Production Liner 4 ½"Liner Top @ 5010'

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

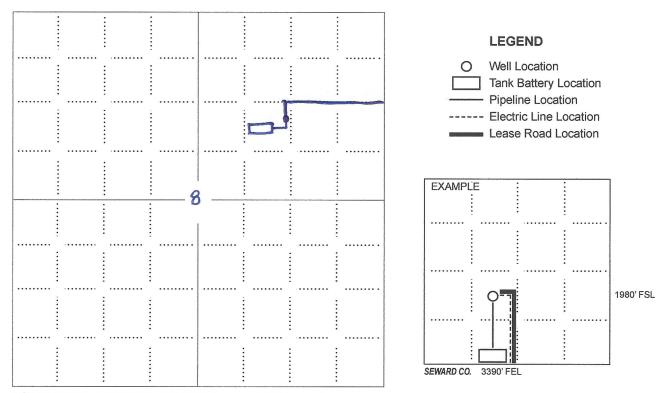
#### IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

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   | Location of Well: County: Barber   |
|---|--|
| Lease: Mathews  |  |
| Well Number: 2-8H   |  |
| Field: Unknown  | Sec. 8 Twp. <u>33</u> S. R. <u>10</u> E 🔀 W  |
| Number of Acres attributable to well: 10  QTR/QTR/QTR/QTR of acreage: NE - NE - SW - NE | 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 locaton.

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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 Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

March 05, 2013

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

Re: Drilling Pit Application Mathews 2-8H NE/4 Sec.08-33S-10W 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 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 within 96 hours 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.