



1089361

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

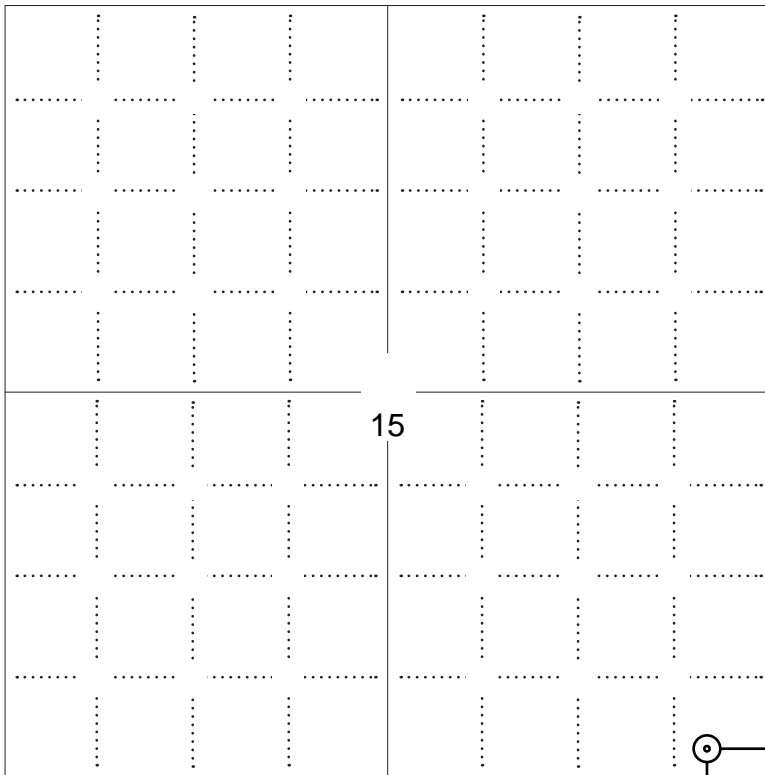
Is Section: Regular or Irregular

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

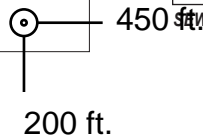
Section corner used: NE NW SE SW

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.

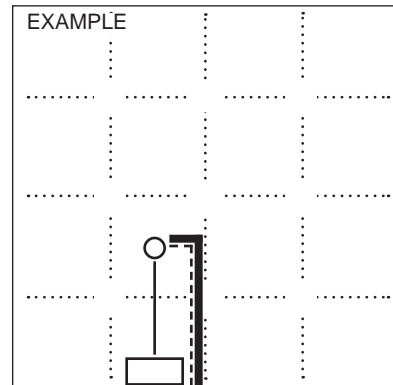


NOTE: In all cases locate the spot of the proposed drilling location.



LEGEND

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



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.

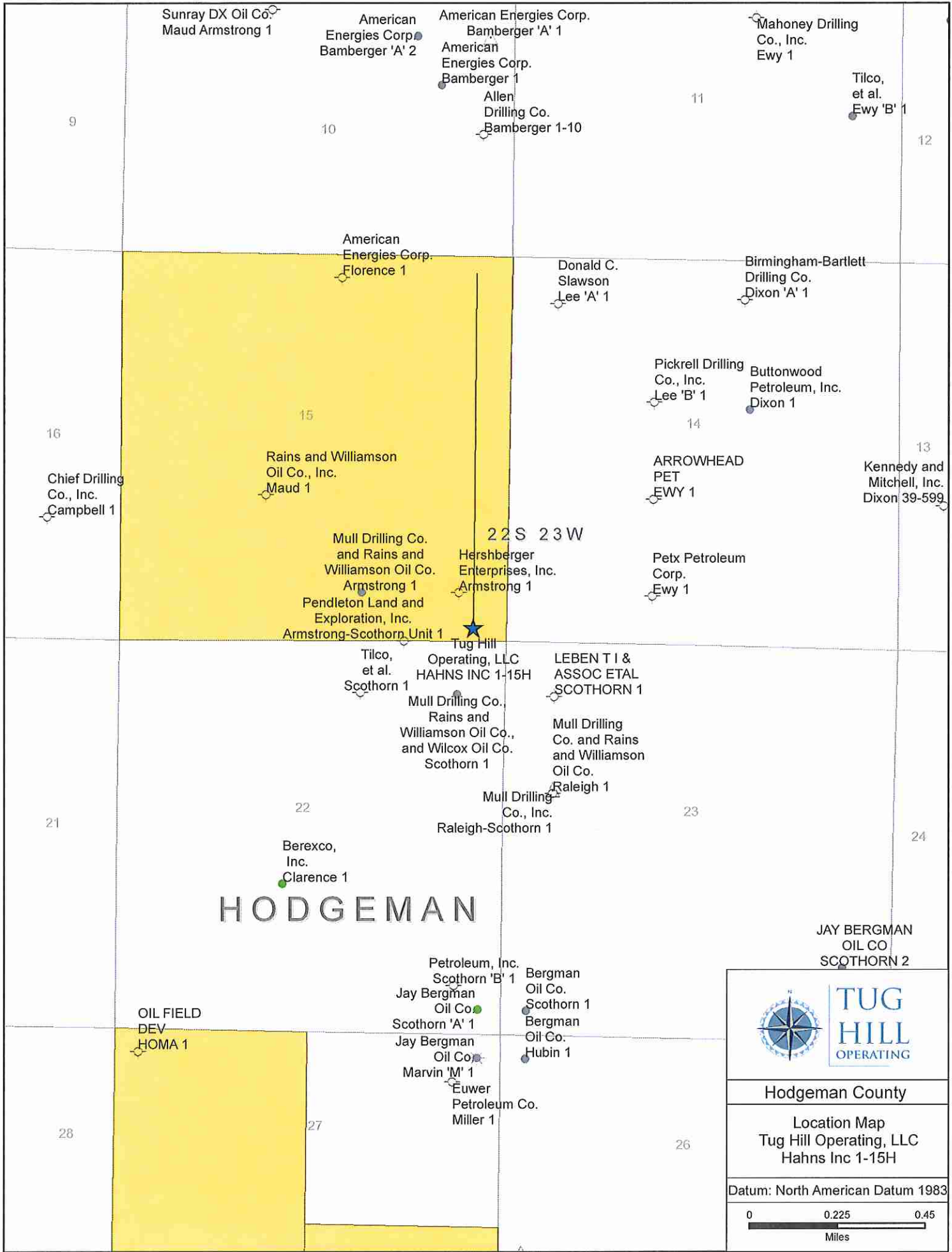
If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary 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



Sunray DX Oil Co.
Maud Armstrong 1

American Energies Corp.
Bamberger 'A' 2

American Energies Corp.
Bamberger 'A' 1
American Energies Corp.
Bamberger 1
Allen Drilling Co.
Bamberger 1-10

Mahoney Drilling Co., Inc.
Ewy 1

Tilco, et al.
Ewy 'B' 1

American Energies Corp.
Florence 1

Donald C. Slawson
Lee 'A' 1

Birmingham-Bartlett Drilling Co.
Dixon 'A' 1

Pickrell Drilling Co., Inc.
Lee 'B' 1

Buttonwood Petroleum, Inc.
Dixon 1

Rains and Williamson Oil Co., Inc.
Maud 1

ARROWHEAD PET
EWY 1

Kennedy and Mitchell, Inc.
Dixon 39-599

Mull Drilling Co. and Rains and Williamson Oil Co.
Armstrong 1
Pendleton Land and Exploration, Inc.
Armstrong-Scothorn Unit 1

Hershberger Enterprises, Inc.
Armstrong 1

22 S 23 W

Petx Petroleum Corp.
Ewy 1

Tilco, et al.
Scothorn 1

Operating, LLC
HAHNS INC 1-15H

LEBEN T I & ASSOC ETAL
SCOTHORN 1

Mull Drilling Co. Rains and Williamson Oil Co. and Wilcox Oil Co.
Scothorn 1

Mull Drilling Co. and Rains and Williamson Oil Co.
Raleigh 1

Mull Drilling Co., Inc.
Raleigh-Scothorn 1

Berexco, Inc.
Clarence 1

HODGEMAN

JAY BERGMAN OIL CO
SCOTHORN 2

OIL FIELD DEV
HOMA 1

Petroleum, Inc. Scotthorn 'B' 1
Jay Bergman Oil Co. Scotthorn 'A' 1
Jay Bergman Oil Co. Marvin 'M' 1
Euwer Petroleum Co. Miller 1

Bergman Oil Co. Scotthorn 1
Bergman Oil Co. Hubin 1



TUG HILL OPERATING

Hodgeman County

Location Map
Tug Hill Operating, LLC
Hahns Inc 1-15H

Datum: North American Datum 1983



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: Hahn Inc
 Well Number: 1-15H
 Field: Unknown

Location of Well: County: Hodgeman
 200 _____ feet from N / S Line of Section
 450 _____ feet from E / W Line of Section
 Sec. 15 Twp. 22 S. R. 23 E W

Number of Acres attributable to well: 10
 QTR/QTR/QTR/QTR of acreage: _____ - _____ - _____ - _____

Is Section: Regular or Irregular

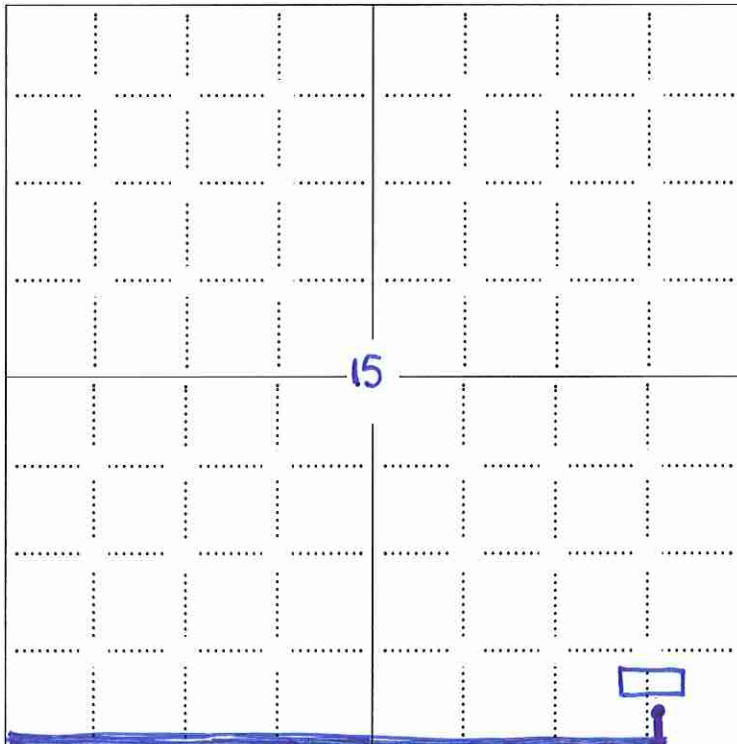
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Section corner used: NE NW SE SW

PLAT

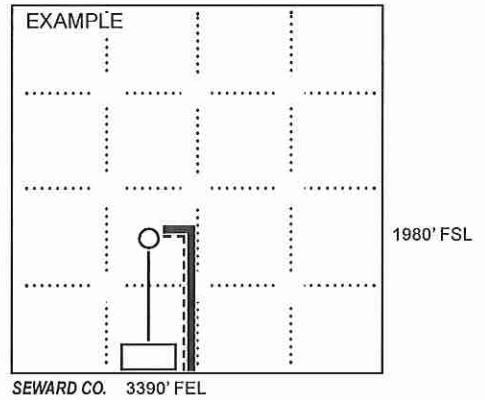
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- Tank Battery Location
- Pipeline Location
- - - - Electric Line Location
- Lease Road Location



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Well Name: Hahn Inc 1-15H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Hodgeman

SHL: 200 FNL & 450 FEL

Township:

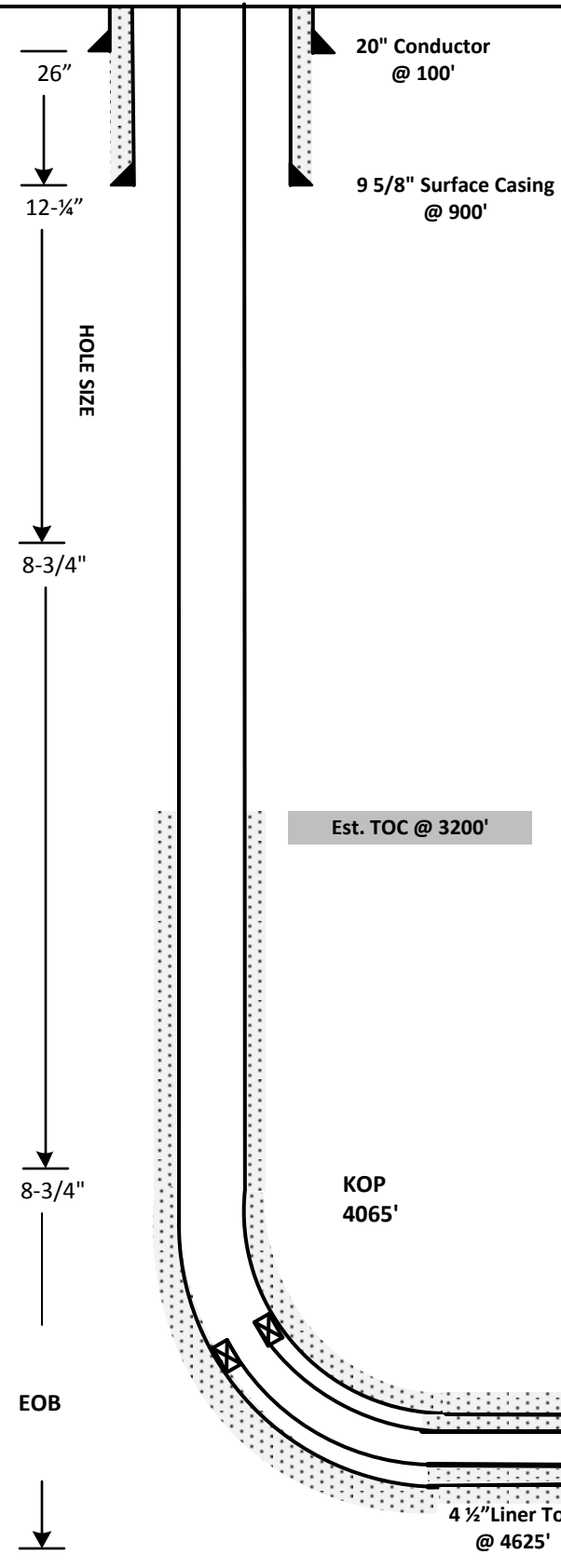
Proposed

GL Elev: KB: KB Elev:

BHL: 330' FSL & 660' FEL

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	100'	900'	4925'	10000'

Cement Details

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

See attachments for slurry details

TD at 10000' MD

NOI APPLICATION: Hahn's Inc. 1-15H

LEASE INFORMATION

COUNTY: Hodgeman

LESSOR: Barbara and John MacNair, Ttees of the Mabel MacNair Liv Trust dtd July 16, 1970

LESSEE: Cheyenne Exploration LLC

LEASE DATE: June 16, 2011

RECORDING INFORMATION: Bk OG66, Page 308

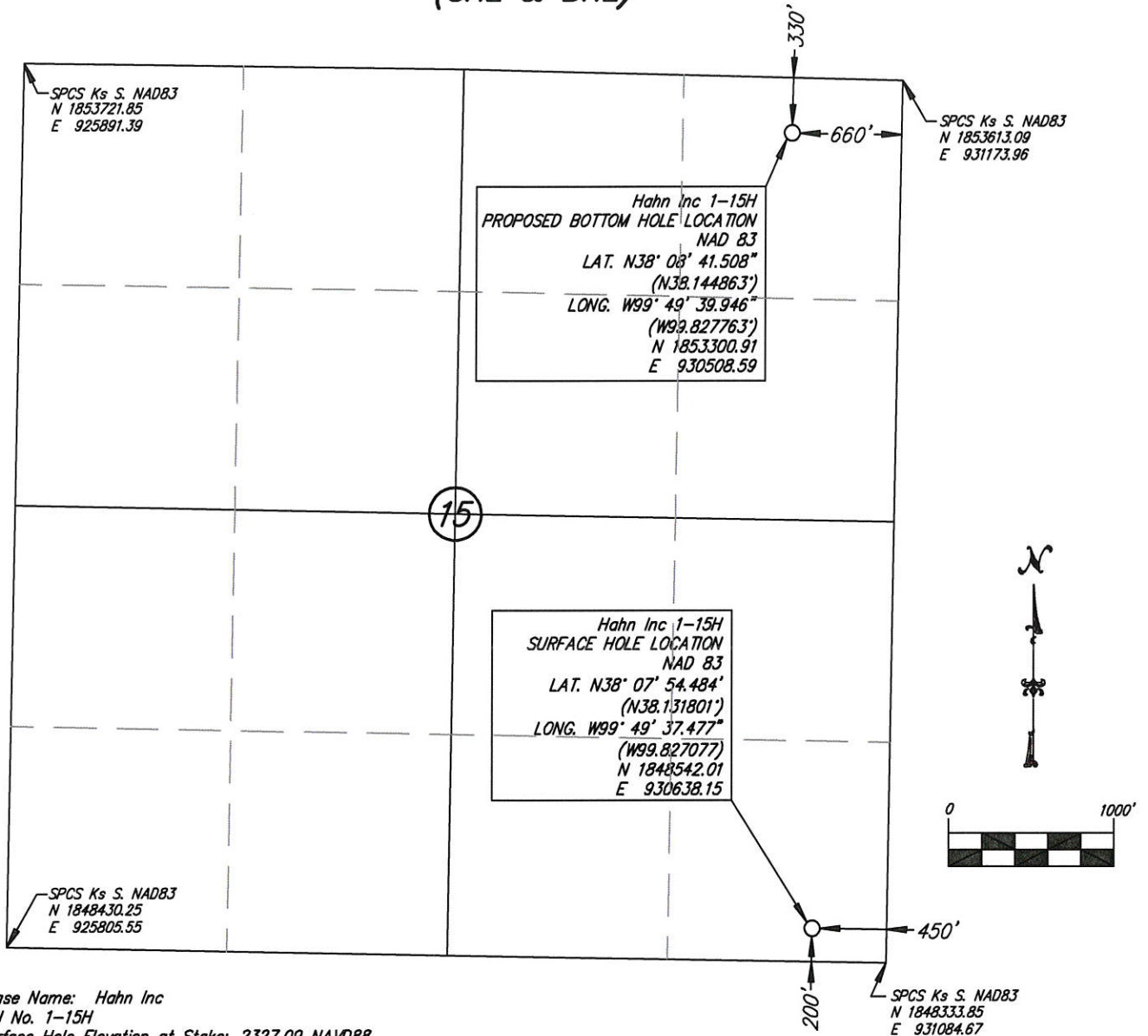
LEGAL DESCRIPTION:

T22S R23W:
SEC 15: ALL

UNITIZED LEASES:

None

WELL STAKE-OUT SURVEY (SHL & BHL)



Lease Name: Hahn Inc
Well No. 1-15H
Surface Hole Elevation at Stake: 2327.09 NAVD88
Well Location Co./State: Hodgeman County, Kansas
Well Location Section: 15-T22S-R23W

Alternate Datums:

	Horz. Datum NAD 27
Hahn Inc #1-15H Surface Hole	Lat. N38°07'54.420" Long. W99°49'36.022"
	N38.131783" W99.826673"
Hahn Inc #1-15H Bottom Hole	Lat. N38°08'41.444" Long. W99°49'38.492"
	N38.144846" W99.827359"

SURVEY DATUMS (shown on drawing)
Horizontal Datum NAD83 (GORS96)
Vertical Datum NAVD88 (GEOID09)
Kansas SPCS South Zone (US Feet)



Brian N. Savoy, RLS #817
This survey is valid only if print
bears Surveyor's seal, signed in blue ink.

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 my knowledge and belief, this is a true and correct exhibit of said survey. The wells shown hereon were staked July 18, 2012 at the coordinate location noted.



Savoy Company, P.A.
Land Surveyors

TEL (316) 285-0225
FAX (316) 285-0225

625 S. Hydenville, Suite 204, Wichita, KS 67202

www.savoyco.com



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

August 16, 2012

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

Re: Drilling Pit Application
Hahn Inc 1-15H
SE/4 Sec.15-22S-23W
Hodgeman 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.