



Confidentiality Requested:

Yes No

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1161007

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Tug Hill Operating, LLC
Well Name	Donovan 2-10AH
Doc ID	1161007

Tops

Name	Top	Datum
Heebner Formation	-2258	SS
Douglas Formation	-2286	SS
Lansing Formation	-2456	SS
Swope	-2878	SS
Hertha	-2936	SS
Marmaton	-2967	SS
Cherokee	-3013	SS
Mississippi Lime	-3056	SS
Osage	-3128	SS
Northview Shale	-3198	SS
Compton Limestone	-3230	SS
Kinderhook Shale	-3276	SS
Chattanooga Shale	-3328	SS
Viola	-3382	SS
Simpson	-3480	SS
Arbuckle	-3614	SS

Summary of Changes

Lease Name and Number: Donovan 2-10AH

API/Permit #: 15-007-23992-01-00

Doc ID: 1161007

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	06/05/2013	10/02/2013
Date of First or Resumed Production or SWD or Enhr		09/30/2013
Disposition Of Gas - Sold	No	Yes
Method Of Completion - Perf	No	Yes
Perf_Depth_1		8315 - 9415
Perf_Material_1		700,000# 20/40 white sand / 8000# 100 mesh
Perf_Record_1	9415 - 9235	8315 - 9415
Producing Method Gas Lift	No	Yes
Production - Barrels Oil		16
Production - Barrels of Water		446

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production - Gas-Oil Ratio		6316
Production - MCF Gas		101
Production Interval #1		8315 - 9415
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1145036	../../../../kcc/detail/operatorEditDetail.cfm?docID=1161007
Tubing Packer At		4613
Tubing Record - Set At		4613
Tubing Size		2.8750



CONFIDENTIAL

WELL COMPLETION FORM

**Form Must Be Typed
Form must be Signed
All blanks must be Filled**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Tug Hill Operating, LLC
Well Name	Donovan 2-10AH
Doc ID	1145036

Tops

Name	Top	Datum
Heebner Formation	-2258	SS
Douglas Formation	-2286	SS
Lansing Formation	-2456	SS
Swope	-2878	SS
Hertha	-2936	SS
Marmaton	-2967	SS
Cherokee	-3013	SS
Mississippi Lime	-3056	SS
Osage	-3128	SS
Northview Shale	-3198	SS
Compton Limestone	-3230	SS
Kinderhook Shale	-3276	SS
Chattanooga Shale	-3328	SS
Viola	-3382	SS
Simpson	-3480	SS
Arbuckle	-3614	SS

Form	ACO1 - Well Completion
Operator	Tug Hill Operating, LLC
Well Name	Donovan 2-10AH
Doc ID	1145036

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9415 - 9235		

Elite Drilling, LLC.

3105 Bent Creek Drive
Woodward, OK 73801
Phone: 580-571-5602
Fax: 580-256-1868

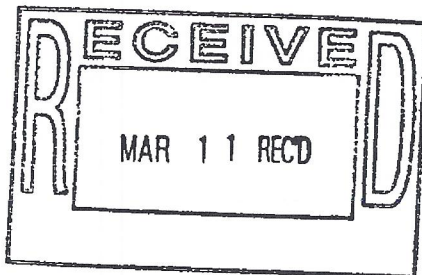


ELITE DRILLING

INVOICE

Bill To

Tug Hill Operating, LLC.
550 Bailey Avenue
Suite 510
Fort Worth, TX 76107



Date	Invoice #
3/4/2013	5599

Ordered By	Terms	Due Date	Lease	Legals & County Info
	Net 30	4/3/2013	Donovan 2-10A#	
Description				Amount
Drilled mousehole and conductor hole on the Donovan 2-10A#- Patterson Rig #172 on 02/15/2013				10,000.00
Materials				13,000.00
Sales Tax				0.00
AFE- Cond hole - 840.05				
AFE# 131089				
Code# 840.05				
THANK YOU FOR YOUR BUSINESS!!!			Total	\$23,000.00

ALLIED OIL & GAS SERVICES, LLC KB 053006

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberal ks.

DATE <u>02-21-13</u>	SEC. <u>10</u>	TWP. <u>34S</u> <small>(1-5H)</small>	RANGE <u>13W.</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30</u>	JOB FINISH <u>8:40pm</u>
<u>DONOVAN LEASE</u>	WELL # <u>2-10H.</u>	LOCATION <u>S.W. Medcane Lodge</u>			COUNTY <u>Barber</u>	STATE <u>Ks.</u>	
OLD OR (NEW) Circle one				1-01 7.3			

CONTRACTOR Patterson OWNER TUG HILL OPERATWS LLC

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. _____ CEMENT AMOUNT ORDERED 2,000sk "A" 37.00, 27.64

CASING SIZE 9 5/8 36# DEPTH _____ Sec 4, 2% S/SLT, 1/4 lb/lk Flo Seal

TUBING SIZE _____ DEPTH _____ * 1,500sk "A" 3 1/2 CC

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK # 531/541 CEMENTER Ruben Chavez

BULK TRUCK # 421/553 HELPER Cesar Pavia

BULK TRUCK # _____ DRIVER Ricardo Estrada

BULK TRUCK # _____ DRIVER _____

HANDLING 380.50 G.H @ 2.48 943.14

MILEAGE 605.50 Top Mt. @ 2.60 1,574.30

TOTAL 10,928.94

REMARKS:

Pump 10 BBLs H2O-Spacer, then mix & pump 350sk of cement (1173 BBLs of slurry) and displace it with 64 BBLs of H2O. Pump the plug at 800 PSI, Released pressure flow hold. 7 Hours stand by (No Charge).

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 2,058.56

EXTRA FOOTAGE @ _____

MILEAGE beaux Vehicle 35 @ 7.70 269.50

MANIFOLD + Cement head @ 2.75 975.00

Light Vehicle 35 @ 4.40 154.00

14 Sugar 100 lb @ 1.40 196.00

TOTAL 2,897.00

CHARGE TO: TUG HILL OPERATWS LLC

STREET _____

CITY Well Name DONOVAN LEASE

STATE KS ZIP _____

ACCT No. 33018

Names JOHN STINSON

To: Allied Oil & Gas Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE _____

PLUG & FLOAT EQUIPMENT

9 5/8

Top Rubber plug 1 @ 184.86 184.86

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 184.86

SALES TAX (if Any) 637.75 637.75

TOTAL CHARGES 14,010.80

DISCOUNT 4903.78 IF PAID IN 30 DAYS

NET 2,910.02

ALLIED OIL & GAS SERVICES, LLC 059755

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge, KS

DATE <u>3-14-2013</u>	SEC. <u>10</u>	TWP. <u>34s</u>	RANGE <u>13w</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Dougson</u>	WELL # <u>2-10H</u>	LOCATION <u>160 & Gyp Hill Rd, 13s</u>	COUNTY <u>Barber</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>		<u>with</u>					

CONTRACTOR Patterson #172
 TYPE OF JOB Intermediary
 HOLE SIZE 8 3/4 T.D. 5500'
 CASING SIZE 7" DEPTH 5480'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 211 bbls of fresh water
 EQUIPMENT

OWNER Tug Hill
 CEMENT
 AMOUNT ORDERED 2255x C1955A
5705912 + 270601 + 370 FL160
Deformer, 272551 155
 COMMON C1955 A 2255 @ 17.90 4,027.50
 POZMIX @
 GEL 43x @ 23.40 93.60
 CHLORIDE @
 ASC @
Salt 65x @ 26.35 158.10
FL160 63# @ 18.90 1190.70
Powdered Deformer 31# @ 9.80 303.80
Super Chem 12 bbls @ 58.70 704.40
Etan @
 HANDLING 243 cu ft @ 2.48 602.64
 MILEAGE 388.50 Jennix 3.60 1,010.10
 TOTAL 8,090.84
7,386.44

PUMP TRUCK CEMENTER Darin F.
 # 558-555 HELPER Scott P.
 BULK TRUCK
 # 421-553 DRIVER Brenden B.
 BULK TRUCK
 # DRIVER

REMARKS:
Bee Cement Log

SERVICE
 DEPTH OF JOB 5480'
 PUMP TRUCK CHARGE 3,099.25
 EXTRA FOOTAGE @
 MILEAGE 35 @ 7.70 269.50
 MANIFOLD Hess 35 @ 275.00
Light Vehicle 35 @ 4.40 154.00
 TOTAL 3,797.75

CHARGE TO: Tug Hill
 STREET
 CITY STATE ZIP

AFF# 13-1090
Code# 830.18

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT
7"
1-Rubber Plug @ 99.45
 @
 @
 @
 @
 TOTAL 99.45

PRINTED NAME x Curtis Turner
 SIGNATURE x Curtis Turner
Thank YOU!!!

SALES TAX (If Any)
 TOTAL CHARGES 11,988.04 11,283.64
 DISCOUNT 35% IF PAID IN 30 DAYS
Net \$ 7,792.26
7,334.37

ALLIED CEMENTING CO., LLC. 038120

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <u>3-28-13</u>	SEC. <u>10</u>	TWP. <u>34s</u>	RANGE <u>13 W</u>	CALLED OUT <u>12:00 AM</u>	ON LOCATION <u>2:30</u>	JOB START <u>10:30</u>	JOB FINISH <u>2:00</u>
LEASE <u>Dogman</u>		WELL # <u>2-10H</u>	LOCATION <u>Medicine Lodge to Gyp Hill</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		RD, 13S, W1/4					

CONTRACTOR Patterson OWNER Tug Hill

TYPE OF JOB liner

HOLE SIZE 4 1/2 T.D. 9479'

CASING SIZE 4 1/2 DEPTH

TUBING SIZE 4 DEPTH

DRILL PIPE 4 DEPTH

TOOL DEPTH

PRES. MAX. 1950 MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 113

CEMENT	
AMOUNT ORDERED	<u>575 SX 50:50:50 4 1/2" Fly Ash</u>
	<u>27 gal + 10% salt + 1.67% FI-160 + 1% CD-31</u>
	<u>+ 1% SA-51 + 1/4" Defoamer + 3% Kolscal</u>
	<u>+ 1/4" Flo Seal</u>
COMMON	<u>Class H @ 575</u>
POZMIX	<u>50:50 @ 16.85 9,688.25</u>
GEL	@
CHLORIDE	@
ASC	@
Salt	<u>15 @ 26.85 395.25</u>
FI-160	<u>290 @ 18.20 5,482.00</u>
CD-31	<u>48 @ 10.30 494.40</u>
SA-51	<u>48 @ 17.55 842.40</u>
Defoamer	<u>144 @ 9.80 1,411.20</u>
Kolscal	<u>1725 @ .98 1,690.50</u>
Flo Seal	<u>144 @ 2.97 359.37</u>
L.C.M.	<u>25 Bbls @ 365.00 9,125.00</u>
HANDLING	<u>665 @ 2.48 1,649.20</u>
MILEAGE	<u>931 @ 2.60 2,420.60</u>
TOTAL	<u>33557.67</u>

EQUIPMENT

PUMP TRUCK: CEMENTER Ron Gilley

558-555 HELPER Darin Franklin

BULK TRUCK

421-553 DRIVER Joe Halcomb

BULK TRUCK

364 DRIVER James Bowman

REMARKS:

See Cement Log

SERVICE	
DEPTH OF JOB	<u>9479'</u>
PUMP TRUCK CHARGE	<u>5,920.20</u>
EXTRA FOOTAGE	@
MILEAGE	<u>35 @ 7.70 269.50</u>
MANIFOLD	@
Light Veh.	<u>35 @ 4.40 154.00</u>
	@

CHARGE TO: Tug Hill

STREET _____

CITY _____ STATE _____ ZIP _____

AFE # 13-1090

Code # 830,18

TOTAL 6,343.70

PLUG & FLOAT EQUIPMENT	
_____	@ _____
_____	@ _____
<u>None</u>	@ _____
_____	@ _____
TOTAL	_____

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 39,901.37

DISCOUNT 3590 IF PAID IN 30 DAYS

\$25,925.89

PRINTED NAME X Curtis TURNER

SIGNATURE X Curtis Turner

Well Name: Donovan 2-10AH

Contractor/Rig: Patterson-UTI 421

State: KS

County: Barber

As Run

SHL: 218 FNL & 1010 FWL

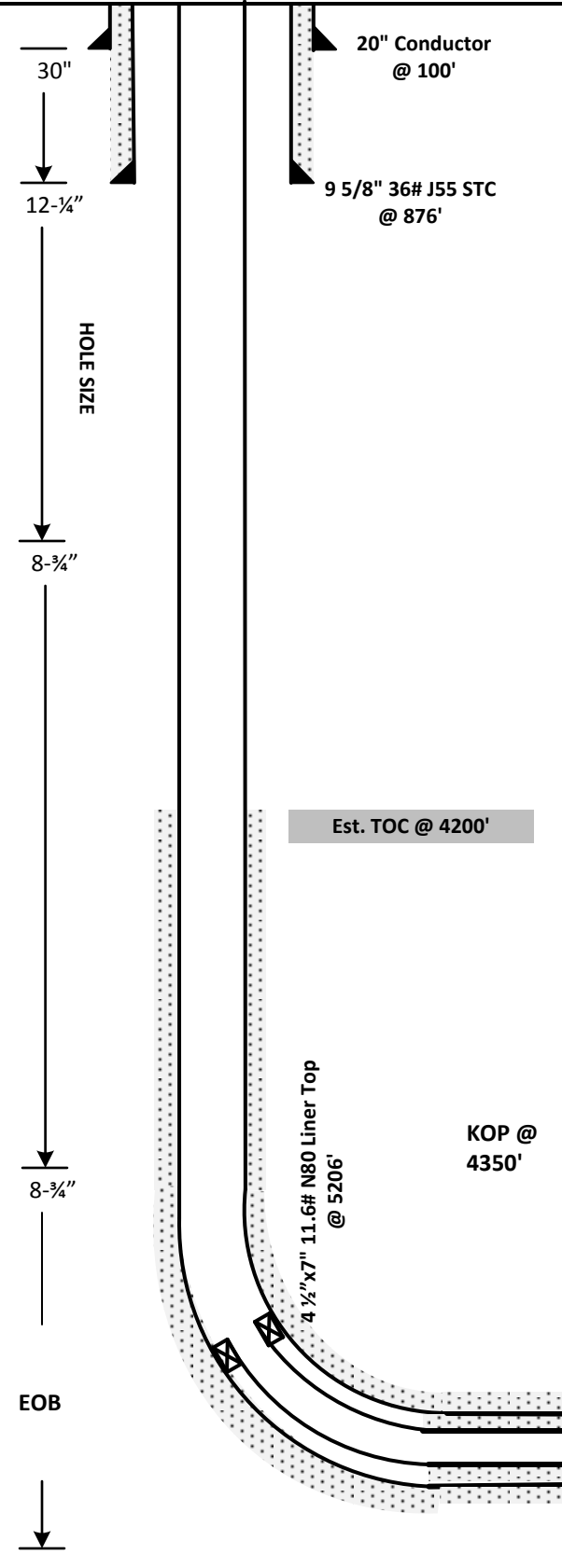
Township:

GL Elev: 1824 KB: 23 KB Elev:

BHL: 330' FSL & 1010' FWL

AFE: 12-0123

Permit/API Number: 15-007-23992-01-00



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'	876'	5483'	9466'

Cement Details

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

See attachments for slurry details

Tug-Hill Operating
 Donovan 2-10AH Rev. 3
 Barber County, Kansas
 As Drilled



Minimum of Curvature
 Slot Location: 1473127.03', 1245854.04'
 Plane of Vertical Section: 178.57°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vert. Depth Up Dip In Well Path	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
0.00	0.00	0.00	0.00	0.00	0.00	1473127.0	1245854.0	0.00	0.00	0.00	0.00
100.00	0.19	272.59	100.00	0.01	-0.17	1473127.0	1245853.9	-0.01	0.17	272.59	0.19
200.00	0.28	125.07	200.00	-0.13	-0.13	1473126.9	1245853.9	0.12	0.18	226.31	0.45
300.00	0.36	235.19	300.00	-0.45	-0.19	1473126.6	1245853.9	0.44	0.48	203.03	0.53
400.00	0.29	127.95	400.00	-0.78	-0.25	1473126.2	1245853.8	0.77	0.82	197.61	0.52
500.00	0.26	247.32	500.00	-1.02	-0.26	1473126.0	1245853.8	1.02	1.06	194.12	0.48
600.00	0.14	114.53	600.00	-1.16	-0.36	1473125.9	1245853.7	1.15	1.21	197.02	0.37
700.00	0.07	198.58	700.00	-1.27	-0.26	1473125.8	1245853.8	1.26	1.30	191.74	0.15
800.00	0.16	178.68	800.00	-1.47	-0.28	1473125.6	1245853.8	1.46	1.49	190.81	0.10
845.00	0.16	290.52	845.00	-1.51	-0.34	1473125.5	1245853.7	1.50	1.55	192.62	0.59
968.00	0.30	241.45	968.00	-1.60	-0.78	1473125.4	1245853.3	1.58	1.78	206.00	0.19
1060.00	0.40	272.80	1059.99	-1.70	-1.31	1473125.3	1245852.7	1.67	2.15	217.67	0.23
1152.00	0.40	255.70	1151.99	-1.77	-1.95	1473125.3	1245852.1	1.72	2.63	227.78	0.13
1244.00	0.30	263.50	1243.99	-1.87	-2.50	1473125.2	1245851.5	1.81	3.12	233.13	0.12
1336.00	0.40	286.10	1335.99	-1.81	-3.04	1473125.2	1245851.0	1.73	3.54	239.26	0.18
1428.00	0.30	249.50	1427.99	-1.81	-3.58	1473125.2	1245850.5	1.72	4.01	243.23	0.26
1519.00	0.30	239.30	1518.99	-2.01	-4.01	1473125.0	1245850.0	1.91	4.48	243.35	0.06
1612.00	0.40	196.80	1611.98	-2.45	-4.31	1473124.6	1245849.7	2.34	4.95	240.43	0.29
1704.00	0.50	162.90	1703.98	-3.14	-4.28	1473123.9	1245849.8	3.03	5.31	233.79	0.30
1795.00	0.60	164.60	1794.98	-3.98	-4.04	1473123.1	1245850.0	3.87	5.67	225.47	0.11
1888.00	0.60	162.40	1887.97	-4.91	-3.76	1473122.1	1245850.3	4.81	6.19	217.48	0.02
1983.00	0.70	166.30	1982.97	-5.95	-3.48	1473121.1	1245850.6	5.86	6.89	210.31	0.12
2077.00	0.50	108.10	2076.96	-6.63	-2.95	1473120.4	1245851.1	6.56	7.26	203.98	0.65
2172.00	0.50	95.80	2171.96	-6.80	-2.14	1473120.2	1245851.9	6.75	7.13	197.49	0.11
2267.00	0.50	92.00	2266.95	-6.86	-1.32	1473120.2	1245852.7	6.82	6.98	190.87	0.03
2361.00	0.20	97.50	2360.95	-6.89	-0.74	1473120.1	1245853.3	6.87	6.93	186.17	0.32
2456.00	0.70	103.40	2455.95	-7.05	-0.02	1473120.0	1245854.0	7.05	7.05	180.13	0.53

Tug-Hill Operating
 Donovan 2-10AH Rev. 3
 Barber County, Kansas
 As Drilled



Minimum of Curvature
 Slot Location: 1473127.03', 1245854.04'
 Plane of Vertical Section: 178.57°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vert. Depth Up Dip In Well Path	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
2551.00	0.90	43.90	2550.94	-6.65	1.07	1473120.4	1245855.1	6.67	6.73	170.89	0.86
2645.00	0.90	32.80	2644.93	-5.50	1.98	1473121.5	1245856.0	5.54	5.84	160.21	0.19
2740.00	0.80	33.20	2739.92	-4.31	2.75	1473122.7	1245856.8	4.38	5.11	147.53	0.11
2834.00	0.90	40.90	2833.91	-3.21	3.59	1473123.8	1245857.6	3.29	4.81	131.79	0.16
2929.00	1.00	48.30	2928.90	-2.09	4.70	1473124.9	1245858.7	2.21	5.14	114.00	0.17
3023.00	1.10	51.60	3022.88	-0.98	6.01	1473126.0	1245860.1	1.13	6.09	99.30	0.12
3118.00	0.80	31.10	3117.87	0.15	7.07	1473127.2	1245861.1	0.03	7.07	88.79	0.47
3212.00	1.00	32.40	3211.86	1.40	7.85	1473128.4	1245861.9	-1.21	7.97	79.86	0.21
3307.00	0.90	350.60	3306.84	2.84	8.17	1473129.9	1245862.2	-2.64	8.65	70.84	0.72
3401.00	1.10	4.20	3400.83	4.47	8.12	1473131.5	1245862.2	-4.26	9.27	61.17	0.33
3495.00	1.00	11.40	3494.81	6.17	8.35	1473133.2	1245862.4	-5.96	10.38	53.52	0.18
3590.00	1.10	15.00	3589.80	7.87	8.75	1473134.9	1245862.8	-7.64	11.76	48.03	0.13
3685.00	0.60	317.90	3684.79	9.12	8.65	1473136.1	1245862.7	-8.90	12.57	43.49	0.97
3779.00	0.60	343.60	3778.78	9.95	8.18	1473137.0	1245862.2	-9.75	12.88	39.42	0.28
3874.00	0.50	352.60	3873.78	10.84	7.99	1473137.9	1245862.0	-10.64	13.47	36.38	0.14
3968.00	0.20	107.00	3967.78	11.20	8.09	1473138.2	1245862.1	-10.99	13.82	35.84	0.65
4062.00	0.30	128.50	4061.78	11.00	8.44	1473138.0	1245862.5	-10.78	13.86	37.50	0.14
4156.00	0.40	100.70	4155.78	10.78	8.95	1473137.8	1245863.0	-10.56	14.02	39.70	0.21
4250.00	0.20	121.20	4249.77	10.64	9.42	1473137.7	1245863.5	-10.40	14.21	41.52	0.24
4345.00	0.10	185.60	4344.77	10.47	9.55	1473137.5	1245863.6	-10.23	14.17	42.37	0.19
4380.00	4.60	195.70	4379.74	9.09	9.17	1473136.1	1245863.2	-8.86	12.91	45.25	12.86
4412.00	9.10	197.10	4411.50	5.43	8.08	1473132.5	1245862.1	-5.23	9.73	56.07	14.07
4443.00	13.50	195.60	4441.89	-0.40	6.38	1473126.6	1245860.4	0.56	6.39	93.58	14.22
4474.00	18.60	194.30	4471.67	-8.68	4.19	1473118.3	1245858.2	8.78	9.64	154.25	16.49
4506.00	21.70	193.00	4501.71	-19.39	1.59	1473107.6	1245855.6	19.43	19.46	175.30	9.79
4537.00	24.60	189.10	4530.21	-31.35	-0.72	1473095.7	1245853.3	31.32	31.36	181.31	10.58
4569.00	27.30	186.80	4558.98	-45.22	-2.64	1473081.8	1245851.4	45.14	45.29	183.34	9.00

Tug-Hill Operating
 Donovan 2-10AH Rev. 3
 Barber County, Kansas
 As Drilled



Minimum of Curvature
 Slot Location: 1473127.03', 1245854.04'
 Plane of Vertical Section: 178.57°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vert. Depth Up Dip In Well Path	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
4600.00	29.20	185.60	4586.29	-59.80	-4.22	1473067.2	1245849.8	59.68	59.95	184.04	6.40
4632.00	31.30	183.20	4613.93	-75.87	-5.44	1473051.2	1245848.6	75.71	76.07	184.10	7.57
4663.00	33.20	180.20	4640.15	-92.40	-5.92	1473034.6	1245848.1	92.23	92.59	183.67	8.01
4695.00	34.70	176.70	4666.70	-110.26	-5.43	1473016.8	1245848.6	110.09	110.39	182.82	7.70
4726.00	36.20	173.10	4691.95	-128.16	-3.82	1472998.9	1245850.2	128.03	128.22	181.71	8.29
4758.00	38.00	172.10	4717.47	-147.30	-1.33	1472979.7	1245852.7	147.22	147.31	180.52	5.93
4789.00	39.60	172.50	4741.63	-166.55	1.27	1472960.5	1245855.3	166.53	166.55	179.56	5.22
4821.00	41.40	174.20	4765.97	-187.19	3.67	1472939.8	1245857.7	187.22	187.23	178.88	6.60
4852.00	43.40	175.90	4788.86	-208.01	5.47	1472919.0	1245859.5	208.09	208.09	178.49	7.44
4884.00	46.50	176.80	4811.50	-230.57	6.90	1472896.5	1245860.9	230.67	230.68	178.29	9.89
4915.00	50.90	177.10	4831.96	-253.82	8.14	1472873.2	1245862.2	253.95	253.95	178.16	14.21
4947.00	56.40	177.10	4850.92	-279.55	9.44	1472847.5	1245863.5	279.70	279.71	178.07	17.19
4978.00	61.30	178.20	4866.95	-306.05	10.52	1472821.0	1245864.6	306.22	306.23	178.03	16.10
5010.00	63.00	178.50	4881.90	-334.33	11.34	1472792.7	1245865.4	334.51	334.53	178.06	5.38
5041.00	63.40	177.70	4895.87	-361.99	12.25	1472765.0	1245866.3	362.18	362.20	178.06	2.64
5073.00	63.40	178.40	4910.20	-390.58	13.23	1472736.4	1245867.3	390.79	390.81	178.06	1.96
5104.00	63.70	177.30	4924.01	-418.32	14.27	1472708.7	1245868.3	418.55	418.56	178.05	3.32
5135.00	65.40	177.70	4937.33	-446.28	15.49	1472680.7	1245869.5	446.53	446.55	178.01	5.61
5167.00	68.30	178.70	4949.91	-475.69	16.41	1472651.3	1245870.5	475.95	475.97	178.02	9.51
5198.00	72.00	179.60	4960.44	-504.84	16.84	1472622.2	1245870.9	505.10	505.12	178.09	12.24
5230.00	75.70	180.20	4969.34	-535.57	16.89	1472591.5	1245870.9	535.82	535.84	178.19	11.70
5261.00	79.10	180.70	4976.10	-565.82	16.65	1472561.2	1245870.7	566.06	566.06	178.31	11.08
5293.00	83.00	180.90	4981.07	-597.42	16.21	1472529.6	1245870.3	597.64	597.64	178.45	12.20
5324.00	88.10	181.00	4983.48	-628.31	15.70	1472498.7	1245869.7	628.51	628.51	178.57	16.45
5355.00	91.80	180.00	4983.51	-659.30	15.43	1472467.7	1245869.5	659.48	659.48	178.66	12.36
5387.00	92.40	180.40	4982.33	-691.28	15.32	1472435.7	1245869.4	691.45	691.45	178.73	2.25
5418.00	92.70	180.10	4980.95	-722.25	15.18	1472404.8	1245869.2	722.41	722.41	178.80	1.37

Tug-Hill Operating
 Donovan 2-10AH Rev. 3
 Barber County, Kansas
 As Drilled



Minimum of Curvature
 Slot Location: 1473127.03', 1245854.04'
 Plane of Vertical Section: 178.57°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vert. Depth Up Dip In Well Path	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
5449.00	93.30	180.30	4979.33	-753.21	15.08	1472373.8	1245869.1	753.35	753.36	178.85	2.04
5519.00	92.00	179.80	4976.10	-823.13	15.01	1472303.9	1245869.1	823.25	823.27	178.96	1.99
5611.00	88.30	177.80	4975.85	-915.09	16.94	1472211.9	1245871.0	915.23	915.25	178.94	4.57
5702.00	87.30	177.60	4979.35	-1005.95	20.59	1472121.1	1245874.6	1006.15	1006.16	178.83	1.12
5795.00	87.90	176.80	4983.24	-1098.76	25.13	1472028.3	1245879.2	1099.04	1099.04	178.69	1.07
5886.00	87.70	176.90	4986.74	-1189.55	30.13	1471937.5	1245884.2	1189.93	1189.93	178.55	0.25
5978.00	87.20	177.70	4990.83	-1281.36	34.46	1471845.7	1245888.5	1281.82	1281.82	178.46	1.02
6071.00	88.10	177.60	4994.64	-1374.20	38.27	1471752.8	1245892.3	1374.73	1374.73	178.40	0.97
6161.00	88.20	177.90	4997.55	-1464.08	41.80	1471662.9	1245895.8	1464.67	1464.68	178.36	0.35
6255.00	88.00	177.70	5000.66	-1557.96	45.40	1471569.1	1245899.4	1558.61	1558.62	178.33	0.30
6350.00	89.70	178.60	5002.57	-1652.89	48.47	1471474.1	1245902.5	1653.58	1653.60	178.32	2.02
6444.00	89.90	178.70	5002.90	-1746.86	50.68	1471380.2	1245904.7	1747.58	1747.60	178.34	0.24
6539.00	89.20	178.40	5003.64	-1841.83	53.09	1471285.2	1245907.1	1842.58	1842.59	178.35	0.80
6633.00	89.00	178.20	5005.12	-1935.78	55.88	1471191.3	1245909.9	1936.57	1936.58	178.35	0.30
6728.00	89.60	178.40	5006.28	-2030.73	58.69	1471096.3	1245912.7	2031.56	2031.57	178.34	0.67
6822.00	89.60	180.50	5006.94	-2124.71	59.60	1471002.3	1245913.6	2125.54	2125.55	178.39	2.23
6916.00	89.90	180.10	5007.35	-2218.71	59.10	1470908.3	1245913.1	2219.50	2219.50	178.47	0.53
7011.00	89.60	180.90	5007.76	-2313.71	58.28	1470813.3	1245912.3	2314.44	2314.44	178.56	0.90
7105.00	89.70	180.50	5008.34	-2407.70	57.13	1470719.3	1245911.2	2408.37	2408.37	178.64	0.44
7199.00	89.00	180.70	5009.40	-2501.69	56.14	1470625.3	1245910.2	2502.31	2502.32	178.71	0.77
7294.00	89.20	179.60	5010.90	-2596.67	55.89	1470530.4	1245909.9	2597.26	2597.27	178.77	1.18
7388.00	89.60	178.40	5011.88	-2690.65	57.53	1470436.4	1245911.6	2691.25	2691.27	178.78	1.35
7482.00	89.60	178.40	5012.54	-2784.61	60.16	1470342.4	1245914.2	2785.25	2785.26	178.76	0.00
7577.00	90.10	178.00	5012.79	-2879.56	63.14	1470247.5	1245917.2	2880.24	2880.26	178.74	0.67
7671.00	90.40	177.70	5012.38	-2973.50	66.67	1470153.5	1245920.7	2974.23	2974.24	178.72	0.45
7766.00	88.20	178.40	5013.54	-3068.43	69.90	1470058.6	1245923.9	3069.22	3069.22	178.69	2.43
7860.00	88.50	178.00	5016.24	-3162.34	72.85	1469964.7	1245926.9	3163.18	3163.18	178.68	0.53

Tug-Hill Operating
 Donovan 2-10AH Rev. 3
 Barber County, Kansas
 As Drilled



Minimum of Curvature
 Slot Location: 1473127.03', 1245854.04'
 Plane of Vertical Section: 178.57°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vert. Depth Up Dip In Well Path	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
7954.00	90.40	178.70	5017.14	-3256.29	75.56	1469870.7	1245929.6	3257.17	3257.17	178.67	2.15
8049.00	89.90	178.60	5016.90	-3351.27	77.80	1469775.8	1245931.8	3352.16	3352.17	178.67	0.54
8143.00	90.40	177.90	5016.65	-3445.22	80.67	1469681.8	1245934.7	3446.16	3446.17	178.66	0.92
8237.00	88.70	177.30	5017.39	-3539.13	84.60	1469587.9	1245938.6	3540.14	3540.14	178.63	1.92
8332.00	88.90	177.30	5019.38	-3634.01	89.08	1469493.0	1245943.1	3635.10	3635.10	178.60	0.21
8431.00	89.70	177.70	5020.59	-3732.90	93.40	1469394.1	1245947.4	3734.07	3734.07	178.57	0.90
8526.00	90.30	177.90	5020.59	-3827.83	97.04	1469299.2	1245951.1	3829.06	3829.06	178.55	0.67
8621.00	88.70	177.70	5021.42	-3922.76	100.69	1469204.3	1245954.7	3924.05	3924.05	178.53	1.70
8716.00	89.20	177.50	5023.16	-4017.66	104.67	1469109.4	1245958.7	4019.02	4019.02	178.51	0.57
8810.00	89.40	178.00	5024.31	-4111.58	108.36	1469015.5	1245962.4	4113.00	4113.00	178.49	0.57
8905.00	89.40	178.90	5025.30	-4206.54	110.93	1468920.5	1245965.0	4207.99	4208.00	178.49	0.95
8999.00	89.90	179.10	5025.87	-4300.52	112.57	1468826.5	1245966.6	4301.99	4301.99	178.50	0.57
9094.00	88.00	179.40	5027.62	-4395.49	113.81	1468731.5	1245967.9	4396.96	4396.96	178.52	2.02
9188.00	90.10	179.10	5029.17	-4489.46	115.04	1468637.6	1245969.1	4490.94	4490.94	178.53	2.26
9283.00	89.20	178.90	5029.75	-4584.45	116.70	1468542.6	1245970.7	4585.93	4585.93	178.54	0.97
9377.00	88.70	178.90	5031.48	-4678.41	118.50	1468448.6	1245972.5	4679.91	4679.91	178.55	0.53
9431.00	90.10	178.40	5032.04	-4732.39	119.78	1468394.6	1245973.8	4733.91	4733.91	178.55	2.75
9479.00	90.10	178.40	5031.96	-4780.38	121.12	1468346.7	1245975.2	4781.91	4781.91	178.55	0.00

Final Station Closure Distance: 4781.91' Direction: 178.55°

Tug-Hill Operating

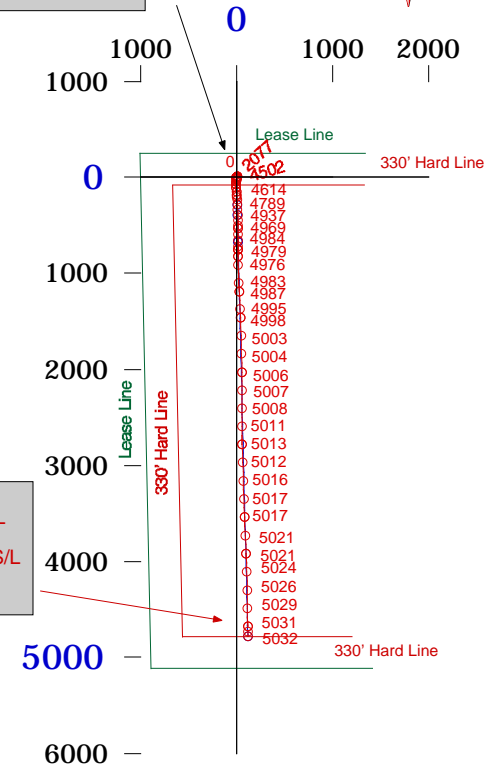
Donovan 2-10AH
Barber County, Kansas
Rev #3

Final As Drilled



Horizontal Plan
1" = 2000'

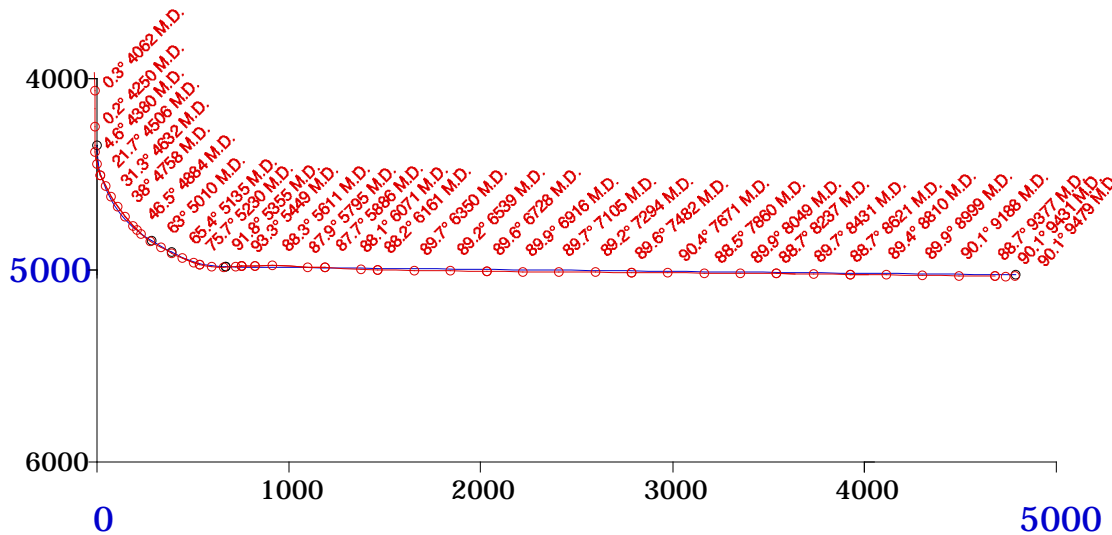
Surface Location
Y=1473127.03'
X=1245854.04'
NAD83



Plane of Proposal
178.57° Azimuth

Vertical Section
1" = 1000'

Final As Drilled
4781.91' Displacement from S/L
@ 178.55° Azimuth from S/L
South-4780.3' East-121.12' of S/L
TVD-5032' MD-9479'
Y=1468346.7', X=1245975.2'



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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 04, 2013

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

Re: ACO1
API 15-007-23992-01-00
Donovan 2-10AH
NW/4 Sec.10-34S-13W
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Winnie Scott