

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1125029  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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
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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: \_\_\_\_\_

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
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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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 053580

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Weatherford

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
12-17-12						8:00	5:30
STILLING'S LEASE Unit 1						COUNTY Hodgeman	STATE KS
WELL # <u>K-33H</u>				LOCATION <u>Houston OK 7w 42N Vinto</u>			
OLD OR (NEW) (Circle one) <u>SHL</u>							

CONTRACTOR Edge Services

TYPE OF JOB Conductor

HOLE SIZE 30" T.D.

CASING SIZE 20" DEPTH 100ft

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. All

PERFS. \_\_\_\_\_

DISPLACEMENT None

EQUIPMENT \_\_\_\_\_

PUMP TRUCK # 366 CEMENTER Russel Chambers  
HELPER Tony Hill

BULK TRUCK # 344170 DRIVER Toel Franston

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 190 SKS class A

24.2 C

COMMON	<u>190</u>	@ <u>17.90</u>	<u>3401.00</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>196.32</u>	@ <u>2.48</u>	<u>486.87</u>
MILEAGE	<u>918.28 x</u>	@ <u>2.60</u>	<u>2407.48</u>
TOTAL			<u>4870.35</u>

251.80

REMARKS:

Pump trucks were ahead

Mixed 190 SKS class A 24.2 C

Cement used up center of pipe

was told by Edge to move to #2

CHARGE TO: Tony Hill

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 1250'

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_

MILEAGE \_\_\_\_\_

MANIFOLD \_\_\_\_\_

TOTAL 1250.00

To: Allied Oil & Gas Services, I.L.C.  
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

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (if Any) 277.21

TOTAL CHARGES 6120.35

DISCOUNT 358 2142.12 IF PAID IN 30 DAYS

3978.23

PRINTED NAME X Gerald Agathay

SIGNATURE X [Signature]

Thank You!

# ALLIED OIL & GAS SERVICES, LLC KB 052909

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Liberal

DATE <u>12/1/12</u>	SEC <u>20</u>	TWP. <u>23S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>1300</u>	JOB FINISH <u>1400</u>
LEASE # <u>37611295</u>	WELL # <u>1-331/</u>	LOCATION <u>Jetmore</u>				COUNTY <u>Hidgeman</u>	STATE <u>KS</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR Robinson 172

TYPE OF JOB Seal

HOLE SIZE 12 1/4 T.D. 925

CASING SIZE 9 5/8 DEPTH 922

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1000 MINIMUM

MEAS. LINE SHOE JOINT 41'

CEMENT LEFT IN CSG. 41'

PERFS.

DISPLACEMENT 68

OWNER

CEMENT AMOUNT ORDERED

See Remarks

EQUIPMENT

530

PUMP TRUCK CEMENTER Stephen Hanna 1

# 580/484 HELPER 580/484 Lonny Baera

BULK TRUCK

# 480/251 DRIVER Vicente Torres 3

BULK TRUCK

# DRIVER

COMMON	<u>350 sgs A</u>	@	<u>17.90</u>	<u>6265.00</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
CC	<u>10 sgs</u>	@	<u>64.00</u>	<u>640.00</u>
Gyp Seal	<u>4 sgs</u>	@	<u>37.100</u>	<u>150.40</u>
NAMS	<u>376 lbs</u>	@	<u>3.80</u>	<u>1240.80</u>
Flo Seal	<u>50 lbs</u>	@	<u>2.97</u>	<u>148.50</u>
		@		
		@		
		@		
		@		
HANDLING	<u>378 sgs</u>	@	<u>2.48</u>	<u>937.44</u>
MILEAGE	<u>Drumage 1005.5</u>	@	<u>2.00</u>	<u>1574.80</u>
				TOTAL <u>10,956.44</u>

REMARKS:

Lead CMT: Class A 37% CC, 22% Gyp Seal  
22% Sodium Metasilicate, #2516/5K Flo  
Tail CMT: Class A 22% CC

Lead 700 sgs 80.881 CMT To surface  
Tail 150 sgs

TOC: 300' Well Name Stallings 1-331/

AFE No. 12-0161

CHARGE TO: Tug Hill AGENT No. 830.18

STREET Name John J. Smith

CITY: Signature [Signature] STATE

SERVICE

DEPTH OF JOB	<u>925'</u>			
PUMP TRUCK CHARGE				<u>2058.50</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>Local 12.35</u>	@	<u>4.40</u>	<u>154.00</u>
MANIFOLD CMT Head		@	<u>275.00</u>	<u>225.00</u>
Heavy Vehicle	<u>35</u>	@	<u>7.70</u>	<u>274.50</u>
		@		
				TOTAL <u>2757.00</u>
				TOTAL <u>2784.50</u>

PLUG & FLOAT EQUIPMENT

<u>9 5/8 Top Plug</u>	@	<u>184.86</u>	<u>184.86</u>
	@		
	@		
	@		
	@		
TOTAL <u>184.86</u>			

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.

PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

SALES TAX (If Any) 642.90

TOTAL CHARGES 13925.30 13,898.30

DISCOUNT 35 4864.40 IF PAID IN 30 DAYS

NET 9,000.89 9,033.90

# ALLIED OIL & GAS SERVICES, LLC

KB  
052636

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal Ks.

DATE <u>12-10-12</u>	SEC <u>33</u>	TWP <u>22.5</u>	RANGE <u>23 W</u>	CALLED OUT	ON LOCATION <u>6:00</u>	JOB START <u>7:30 am</u>	JOB FINISH <u>8:30 am</u>
LEASE <u>Stallings</u>	WELL # <u>1-33H</u>	LOCATION <u>N. E. 4. 4. 2. more Ks.</u>			COUNTY <u>Hodgeman</u>	STATE <u>Ks.</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)						<u>1.08</u>	<u>7.45</u>

CONTRACTOR Patterson Rig 172

TYPE OF JOB 7" Intermediate

HOLE SIZE 8 3/4 T.D.

CASING SIZE 7" 2.6 FF DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 2,500 PSI MINIMUM

MEAS. LINE SHOE JOINT 40 feet

CEMENT LEFT IN CSG. 40 feet

PERFS.

DISPLACEMENT 195.8 Bbls

EQUIPMENT

OWNER Tug Hill

CEMENT

AMOUNT ORDERED 240 sk "A", 27 Gyp Seal,  
2% Sms, 5% FL-160, 25% Det, 14 F.S.,  
2.25% K.A., 5% Salt, 2% Gel, 3% FL-160  
25% Defoamer

COMMON	<u>465 sk "A"</u>	@ <u>17.90</u>	<u>8323.50</u>
POZMIX		@	
GEL	<u>4 sk</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE		@	
ASC		@	
GpSl.	<u>9 sk</u>	@ <u>37.60</u>	<u>338.40</u>
NaCl salt	<u>11 sk</u>	@ <u>26.35</u>	<u>289.85</u>
FL-160	<u>175 lb</u>	@ <u>18.90</u>	<u>3307.50</u>
P.DEG.	<u>118 lb</u>	@ <u>9.60</u>	<u>1136.8</u>
NAMS Sms	<u>451 lb</u>	@ <u>3.30</u>	<u>1488.30</u>
FL-SI	<u>80 lb</u>	@ <u>2.97</u>	<u>238.20</u>
		@	
		@	
HANDLING	<u>510.60 GpSl.</u>	@ <u>2.48</u>	<u>1266.28</u>
MILEAGE	<u>804.09 Ton Mi</u>	@ <u>2.60</u>	<u>2090.63</u>
			TOTAL <u>18,513.66</u>

PUMP TRUCK CEMENTER Ruben Chavez

# 531/54 HELPER Angel Garcialeser

BULK TRUCK DRIVER Jaime Torres

# 562/554

BULK TRUCK DRIVER

REMARKS:

Mix + pump 465 sk of cement  
185 Bbls of slurry and displace it  
with 195.8 Bbl H2O. Pump the  
plug at 2,000 PSI, release pres  
sure flow holds

thank you

804.08

SERVICE

DEPTH OF JOB 5178 feet

PUMP TRUCK CHARGE 3099.25

EXTRA FOOTAGE @

MILEAGE heavy 35 Mi @ 7.70 269.50

MANIFOLD + Cement Head @ 2.75 275.00

Light Vehicle 35 Mi @ 4.40 154.00

TOTAL 3797.75

TOTAL 3793.35

CHARGE TO: Tug Hill

STREET

CITY STATE ZIP

AFE# 12-0161

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.

PRINTED NAME CURTIS TURNER

SIGNATURE Curtis Turner

PLUG & FLOAT EQUIPMENT

7'

Top rubber plug 1 @ 99.45 99.45

TOTAL 99.45

SALES TAX (If Any) 1136.54

TOTAL CHARGES 22,410.58 22410.26

DISCOUNT 7.8% 2.06 IF PAID IN 30 DAYS

NET = 14,568.20 14568.20

# ALLIED CEMENTING CO., LLC. 038105

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Medicine Lodge*

DATE <i>12-16-12</i>	SEC. <i>33</i>	TWP. <i>22S</i>	RANGE <i>23W</i>	CALLED OUT <i>6:00 AM</i>	ON LOCATION <i>9:30 AM</i>	JOB START <i>2:30 PM</i>	JOB FINISH <i>5:00 PM</i>
LEASE <i>Stallings</i>		WELL # <i>1-33H</i>	LOCATION <i>Setmore 2.7 E, 3/4 N,</i>	COUNTY <i>Hodgeman</i>	STATE <i>Ks</i>		
OLD OR NEW (Circle one) <input checked="" type="radio"/> NEW		W/S					

CONTRACTOR *Patterson UTT 178* OWNER *Tug Hill*

TYPE OF JOB *Liner*

HOLE SIZE *6 1/8" T.D. 7250'*

CASINO SIZE *4 1/2" DEPTH 7150'*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT *43.87'*

CEMENT LEFT IN CSG. *43.87'*

PERFS. \_\_\_\_\_

DISPLACEMENT *82 1/2 Bbls.*

CEMENT AMOUNT ORDERED *225 x 4" 50' 50' 20' + 2% gal + 5% salt + 1.6% FI-160 + 1.2% SA-51 + 1/4" Deamer 28 x 105*

COMMON class *1125 @ 11.85 1295.62*

POZMIX *1125 @ 9.35 1051.87*

CEL *4 @ 23.40 93.60*

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

Salt *5 @ 26.85 134.25*

FI-160 *113 @ 18.90 2135.70*

CD-31 *19 @ 10.50 199.50*

SA-51 *15 @ 17.55 263.25*

Kal-Seal *675 @ .88 594.75*

Deamer *56 @ 9.80 548.80*

EQUIPMENT

PUMP TRUCK CEMENTER *Ron Gilley 1*

# *558-555* HELPER *Scott Priddy 2*

BULK TRUCK # *558-56* DRIVER *Jake Hill 3*

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING *258.95 @ 2.48 639.96*

MILEAGE *7.35 / 35 @ 2.60 191.10*

TOTAL *8357.61*

REMARKS:  
*See Cement Log*

*AFF# 12-0161*

*Code# 830.18*

CHARGE TO: *Tug Hill*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_ *7250'*

PUMP TRUCK CHARGE \_\_\_\_\_ *5720.20*

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE *35 @ 7.70 269.50*

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

Light Veh. *35 @ 4.40 154.00*

TOTAL *6345.70*

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.

PRINTED NAME *Curtis Turner*

SIGNATURE *[Signature]*

PLUG & FLOAT EQUIPMENT

*None*

TOTAL \_\_\_\_\_

SALES TAX (if Any) *525.07*

TOTAL CHARGES *14,701.30*

DISCOUNT *35% 5115.76* IF PAID IN 30 DAYS

Net *9,555.84*

Well Name: Stallings Unit 1-33H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Hodgeman

**As Run**

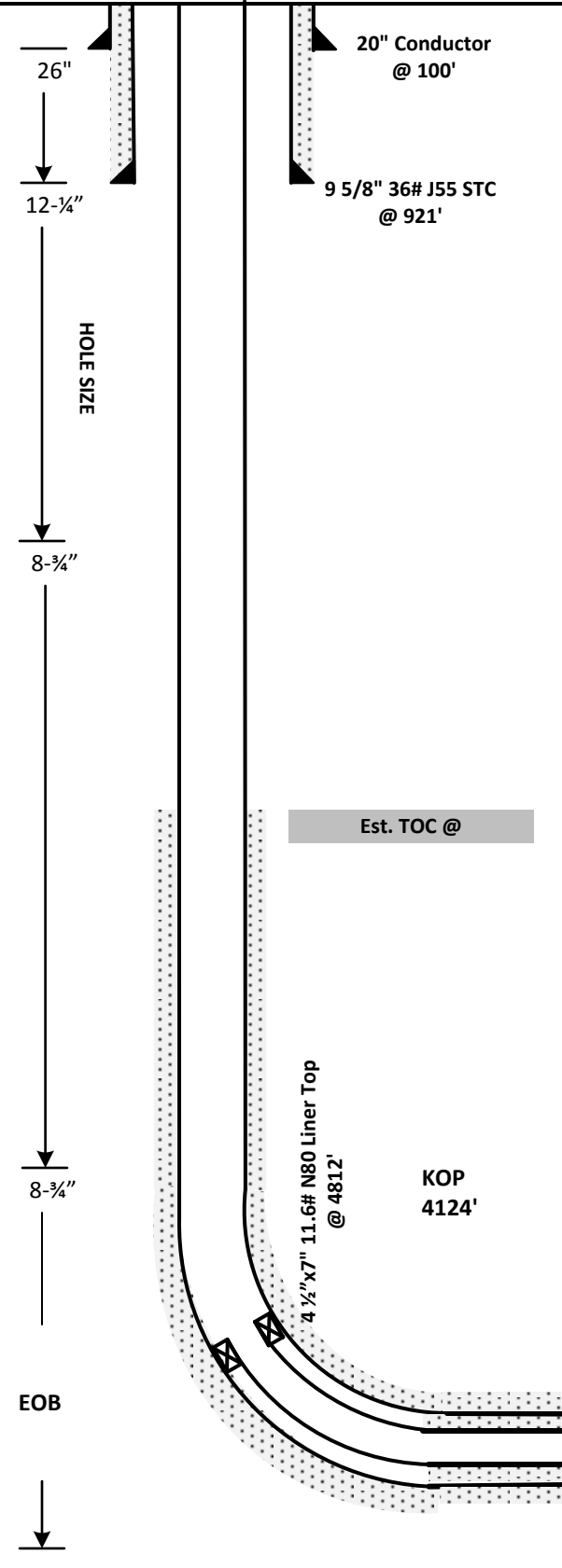
SHL: 200 FNL & 600 FEL

GL Elev: 2323 KB: 23 KB Elev:

BHL: 330' FSL & 660' FEL

AFE: 12-0161

Permit/API Number: 15-083-21838-01-00



**Tubular Details**

	20"	9 5/8"	7"	4-1/2"
Weight	94 lb/ft	36 lb/ft	26 lb/ft	11.6 lb/ft
Grade	X-42	J-55	N-80	P-110
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'	921'	5167'	7146'

**Cement Details**

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

See attachments for slurry details



# Tug Hill Operating LLC

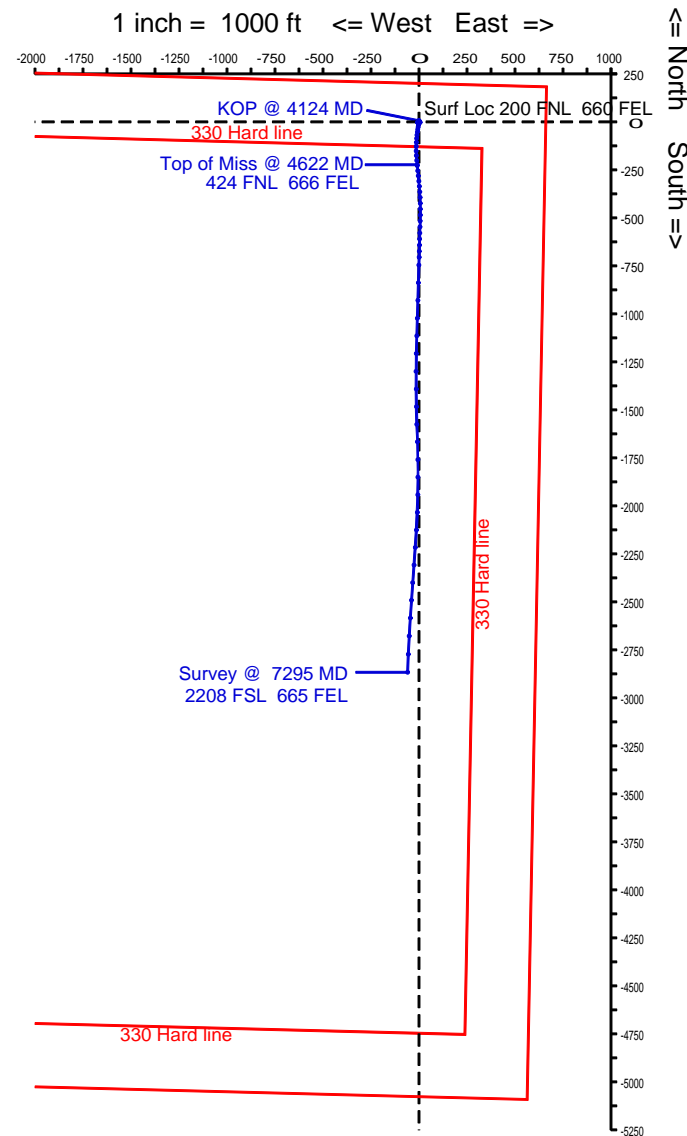
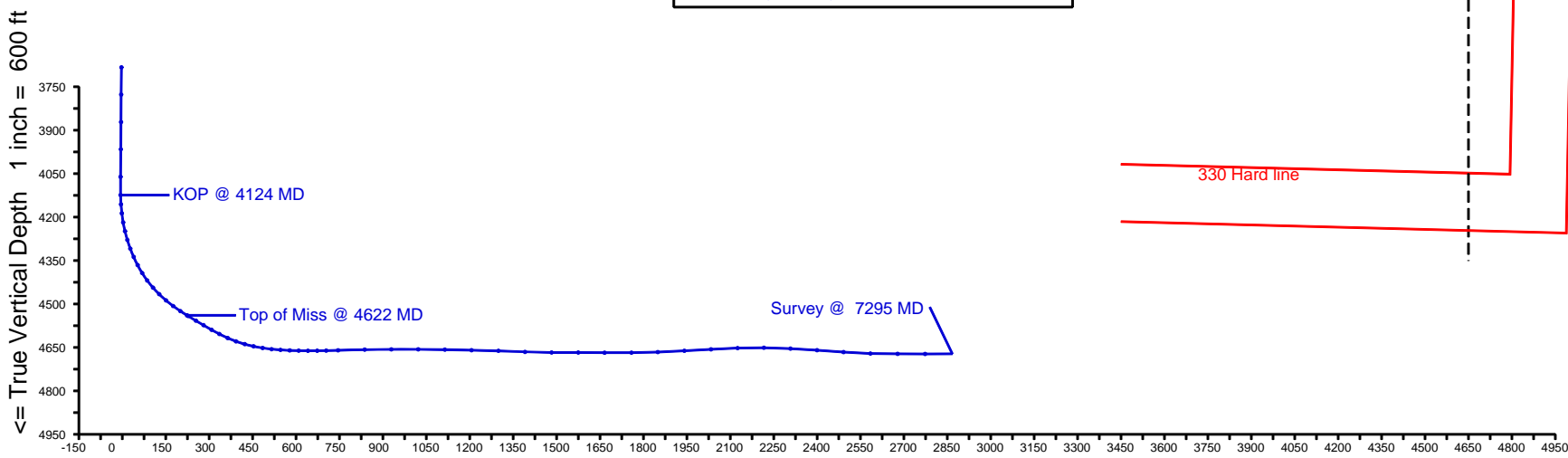
Stallings Unit 1-33H

Hodgeman County, Kansas

WELL PROFILE DATA							svys
MD	Inc.	Azi.	TVD	N/-S	E/-W	DLS	Comment
4124	0.80	151.40	4124	6	-1	1.98	KOP @ 4124 MD
4622	58.79	174.31	4539	-223	-10	8.33	Top of Miss @ 4622 MD
7295	91.10	182.40	4672	-2866	-60	1.73	Survey @ 7295 MD



Surface Location	NAD27 Tx North
Lat: N 38° 06' 06.26"	Long: W 99° 50' 46.61"
x: 924957.16	y: 1837675.26
Model IGRF2011 Date: 30-Nov-2012	
Declination (MN to TN): 5.68° East	
Dip: 65.85	
Field Strength: 5220.8	
Total Corr. (MN to GN): 6.51° East	



Vertical Section on 181.1 deg azimuth with reference 0.00 N, 0.00 E

## N-Zone Guidance

Company: Tug Hill Operating LLC  
 Well: Stallings Unit 1-33H  
 Location: Hodgeman County, Kansas

Date: 6-Mar-2013  
 Surveys  
 Page 1  
 Job# : 6938

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 181.10° Az (feet)	Grid Y	Grid X	Comments
<b>Surface Location</b>								<b>1837675.26</b>	<b>924957.16</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1837675.26	924957.16	Gyro
100.00	0.50	109.78	100.00	-0.15	0.41	0.50	0.14	1837675.11	924957.57	
200.00	0.48	110.25	200.00	-0.44	1.21	0.02	0.42	1837674.82	924958.37	
300.00	0.48	116.63	299.99	-0.77	1.98	0.05	0.73	1837674.49	924959.14	
400.00	0.53	106.44	399.99	-1.09	2.80	0.10	1.04	1837674.17	924959.96	
500.00	0.35	122.26	499.98	-1.39	3.50	0.22	1.32	1837673.87	924960.66	
600.00	0.27	134.29	599.98	-1.71	3.93	0.10	1.64	1837673.55	924961.09	
700.00	0.21	137.57	699.98	-2.01	4.22	0.06	1.93	1837673.25	924961.38	
800.00	0.35	233.84	799.98	-2.33	4.10	0.43	2.25	1837672.93	924961.26	
850.00	0.33	208.22	849.98	-2.55	3.91	0.30	2.47	1837672.71	924961.07	
971.00	0.62	325.90	970.98	-2.31	3.37	0.68	2.25	1837672.95	924960.53	MWD surveys
1064.00	0.60	351.70	1063.97	-1.41	3.02	0.29	1.35	1837673.85	924960.18	
1155.00	0.70	317.60	1154.97	-0.53	2.58	0.43	0.48	1837674.73	924959.74	
1247.00	0.79	322.21	1246.96	0.39	1.81	0.12	-0.42	1837675.65	924958.97	
1339.00	0.80	346.20	1338.95	1.51	1.27	0.36	-1.54	1837676.77	924958.43	
1431.00	0.90	341.10	1430.94	2.82	0.88	0.14	-2.83	1837678.08	924958.04	
1522.00	0.60	274.40	1521.94	3.53	0.18	0.95	-3.53	1837678.79	924957.34	
1614.00	0.90	202.60	1613.93	2.90	-0.58	0.99	-2.89	1837678.16	924956.58	
1706.00	1.00	208.80	1705.92	1.53	-1.25	0.16	-1.51	1837676.79	924955.91	
1798.00	0.80	199.40	1797.91	0.22	-1.85	0.27	-0.19	1837675.48	924955.31	
1891.00	0.90	222.10	1890.90	-0.93	-2.55	0.37	0.98	1837674.33	924954.61	
1985.00	0.50	203.40	1984.89	-1.86	-3.21	0.48	1.92	1837673.40	924953.95	
2080.00	0.50	171.10	2079.88	-2.65	-3.31	0.29	2.71	1837672.61	924953.85	
2174.00	0.40	164.20	2173.88	-3.37	-3.16	0.12	3.43	1837671.89	924954.00	
2268.00	0.30	199.30	2267.88	-3.92	-3.15	0.25	3.98	1837671.34	924954.01	
2363.00	0.20	35.70	2362.88	-4.02	-3.14	0.52	4.08	1837671.24	924954.02	
2457.00	0.20	21.50	2456.88	-3.73	-2.98	0.05	3.79	1837671.53	924954.18	
2551.00	0.30	257.70	2550.88	-3.63	-3.16	0.47	3.69	1837671.63	924954.00	
2646.00	1.00	268.80	2645.87	-3.70	-4.23	0.75	3.78	1837671.56	924952.93	
2740.00	0.40	320.00	2739.87	-3.47	-5.26	0.86	3.57	1837671.79	924951.90	

## N-Zone Guidance

Company: Tug Hill Operating LLC  
 Well: Stallings Unit 1-33H  
 Location: Hodgeman County, Kansas

Date: 6-Mar-2013  
 Surveys  
 Page 2  
 Job# : 6938

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 181.10° Az (feet)	Grid Y	Grid X	Comments
2834.00	0.30	284.99	2833.86	-3.15	-5.71	0.25	3.26	1837672.11	924951.45	
2928.00	0.70	276.00	2927.86	-3.03	-6.52	0.43	3.15	1837672.23	924950.64	
3023.00	0.20	316.00	3022.86	-2.85	-7.21	0.59	2.99	1837672.41	924949.95	
3117.00	0.60	35.20	3116.85	-2.33	-7.04	0.63	2.46	1837672.93	924950.12	
3211.00	0.70	37.60	3210.85	-1.47	-6.41	0.11	1.59	1837673.79	924950.75	
3305.00	0.70	42.10	3304.84	-0.59	-5.67	0.06	0.70	1837674.67	924951.49	
3400.00	0.50	51.70	3399.84	0.10	-4.96	0.23	0.00	1837675.36	924952.20	
3494.00	0.80	54.40	3493.83	0.73	-4.10	0.32	-0.66	1837675.99	924953.06	
3589.00	0.62	48.52	3588.82	1.46	-3.18	0.20	-1.40	1837676.72	924953.98	
3683.00	1.00	0.30	3682.81	2.62	-2.79	0.79	-2.56	1837677.88	924954.37	
3777.00	0.30	41.40	3776.81	3.62	-2.63	0.85	-3.57	1837678.88	924954.53	
3872.00	0.48	50.19	3871.81	4.06	-2.16	0.20	-4.02	1837679.32	924955.00	
3966.00	0.70	25.60	3965.80	4.83	-1.61	0.35	-4.80	1837680.09	924955.55	
4061.00	0.70	39.30	4060.79	5.81	-0.99	0.18	-5.79	1837681.07	924956.17	
4124.00	0.80	151.40	4123.79	5.72	-0.53	1.98	-5.71	1837680.98	924956.63	KOP @ 4124 MD
4156.00	3.90	180.40	4155.76	4.43	-0.43	10.07	-4.42	1837679.69	924956.73	
4187.00	7.10	184.30	4186.61	1.47	-0.59	10.39	-1.46	1837676.73	924956.57	
4219.00	9.90	188.80	4218.26	-3.22	-1.15	8.99	3.25	1837672.04	924956.01	
4250.00	13.60	188.50	4248.60	-9.46	-2.10	11.94	9.50	1837665.80	924955.06	
4281.00	17.10	189.70	4278.49	-17.56	-3.41	11.34	17.63	1837657.70	924953.75	
4313.00	20.70	188.40	4308.76	-27.80	-5.03	11.33	27.89	1837647.46	924952.13	
4344.00	24.10	189.30	4337.42	-39.47	-6.85	11.02	39.59	1837635.79	924950.31	
4375.00	27.80	188.80	4365.29	-52.86	-8.98	11.96	53.03	1837622.40	924948.18	
4407.00	31.90	186.40	4393.04	-68.65	-11.07	13.34	68.85	1837606.61	924946.09	
4438.00	36.60	184.80	4418.66	-86.01	-12.75	15.44	86.24	1837589.25	924944.41	
4470.00	41.50	183.20	4443.50	-106.11	-14.14	15.63	106.36	1837569.15	924943.02	
4501.00	45.80	181.70	4465.93	-127.48	-15.05	14.27	127.75	1837547.78	924942.11	
4533.00	49.60	178.90	4487.46	-151.14	-15.15	13.52	151.41	1837524.12	924942.01	
4564.00	53.40	176.40	4506.76	-175.37	-14.15	13.79	175.61	1837499.89	924943.01	
4595.00	56.60	174.90	4524.54	-200.69	-12.21	11.06	200.89	1837474.57	924944.95	

## N-Zone Guidance

Company: Tug Hill Operating LLC  
 Well: Stallings Unit 1-33H  
 Location: Hodgeman County, Kansas

Date: 6-Mar-2013  
 Surveys  
 Page 3  
 Job# : 6938

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 181.10° Az (feet)	Grid Y	NAD83 Ks South gr elev=2323 RKB=2346 Grid X	Comments
4622.00	58.79	174.31	4538.97	-223.41	-10.07	8.33	223.56	1837451.85	924947.09	Top of Miss @ 4622 MD
4627.00	59.20	174.20	4541.54	-227.67	-9.64	8.33	227.82	1837447.59	924947.52	
4658.00	59.70	174.20	4557.30	-254.23	-6.94	1.61	254.32	1837421.03	924950.22	
4689.00	60.00	173.80	4572.87	-280.89	-4.14	1.48	280.92	1837394.37	924953.02	
4721.00	60.40	173.90	4588.77	-308.50	-1.16	1.28	308.47	1837366.76	924956.00	
4752.00	62.60	175.00	4603.56	-335.61	1.47	7.75	335.52	1837339.65	924958.63	
4784.00	66.20	176.30	4617.39	-364.38	3.65	11.83	364.25	1837310.88	924960.81	
4815.00	70.10	177.70	4628.92	-393.11	5.15	13.26	392.94	1837282.15	924962.31	
4847.00	75.00	179.00	4638.52	-423.62	6.03	15.79	423.42	1837251.64	924963.19	
4878.00	78.00	179.70	4645.75	-453.75	6.37	9.92	453.55	1837221.51	924963.53	
4910.00	80.60	180.50	4651.69	-485.19	6.31	8.49	484.98	1837190.07	924963.47	
4941.00	84.20	181.70	4655.79	-515.91	5.72	12.23	515.71	1837159.35	924962.88	
4972.00	86.10	182.20	4658.42	-546.78	4.67	6.34	546.59	1837128.48	924961.83	
5004.00	87.70	181.80	4660.15	-578.71	3.56	5.15	578.54	1837096.55	924960.72	
5035.00	89.10	181.60	4661.01	-609.69	2.64	4.56	609.52	1837065.57	924959.80	
5067.00	89.90	181.50	4661.29	-641.67	1.77	2.52	641.52	1837033.59	924958.93	
5099.00	90.50	181.40	4661.18	-673.66	0.96	1.90	673.52	1837001.60	924958.12	
5130.00	91.10	181.30	4660.75	-704.65	0.23	1.96	704.52	1836970.61	924957.39	
5171.00	91.80	182.20	4659.71	-745.62	-1.02	2.78	745.50	1836929.64	924956.14	
5263.00	91.10	181.20	4657.38	-837.55	-3.75	1.33	837.46	1836837.71	924953.41	
5355.00	89.90	181.90	4656.58	-929.51	-6.24	1.51	929.46	1836745.75	924950.92	
5448.00	90.40	181.60	4656.33	-1022.46	-9.08	0.63	1022.45	1836652.80	924948.08	
5540.00	88.20	181.80	4657.46	-1114.41	-11.81	2.40	1114.43	1836560.85	924945.35	
5632.00	89.50	181.90	4659.30	-1206.34	-14.78	1.42	1206.40	1836468.92	924942.38	
5725.00	87.80	179.40	4661.50	-1299.30	-15.83	3.25	1299.36	1836375.96	924941.33	
5817.00	87.30	178.90	4665.43	-1391.20	-14.47	0.77	1391.23	1836284.06	924942.69	
5909.00	90.40	179.70	4667.27	-1483.17	-13.34	3.48	1483.15	1836192.09	924943.82	
6001.00	89.30	178.50	4667.52	-1575.15	-11.90	1.77	1575.09	1836100.11	924945.26	
6092.00	89.90	177.80	4668.15	-1666.10	-8.96	1.01	1665.97	1836009.16	924948.20	
6185.00	90.40	179.10	4667.91	-1759.06	-6.45	1.50	1758.86	1835916.20	924950.71	

## N-Zone Guidance

Company: Tug Hill Operating LLC  
 Well: Stallings Unit 1-33H  
 Location: Hodgeman County, Kansas

Date: 6-Mar-2013  
 Surveys  
 Page 4  
 Job# : 6938

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 181.10° Az (feet)	Grid Y	NAD83 Ks South gr elev=2323 RKB=2346 Grid X	Comments
6276.00	92.10	180.50	4665.92	-1850.04	-6.13	2.42	1849.81	1835825.22	924951.03	
6368.00	93.40	180.10	4661.51	-1941.93	-6.61	1.48	1941.70	1835733.33	924950.55	
6460.00	93.10	182.70	4656.29	-2033.74	-8.85	2.84	2033.54	1835641.52	924948.31	
6552.00	92.10	183.50	4652.12	-2125.51	-13.82	1.39	2125.39	1835549.75	924943.34	
6643.00	89.30	183.90	4651.01	-2216.31	-19.70	3.11	2216.28	1835458.95	924937.46	
6735.00	86.90	184.30	4654.06	-2308.01	-26.27	2.64	2308.09	1835367.25	924930.89	
6827.00	86.40	184.70	4659.43	-2399.57	-33.47	0.70	2399.77	1835275.69	924923.69	
6919.00	85.50	183.10	4665.93	-2491.13	-39.72	1.99	2491.43	1835184.13	924917.44	
7012.00	88.30	184.20	4670.96	-2583.79	-45.63	3.23	2584.19	1835091.47	924911.53	
7106.00	90.30	183.10	4672.11	-2677.59	-51.61	2.43	2678.09	1834997.67	924905.55	
7201.00	89.50	182.10	4672.27	-2772.49	-55.92	1.35	2773.05	1834902.77	924901.24	
7295.00	91.10	182.40	4671.78	-2866.41	-59.61	1.73	2867.03	1834808.85	924897.55	Survey @ 7295 MD

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

March 18, 2013

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

Re: ACO1  
API 15-083-21838-01-00  
Stallings Unit 1-33H  
NE/4 Sec.33-22S-23W  
Hodgeman 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