



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1140956
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: _____



1140956

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Tug Hill Operating, LLC
Well Name	Mathews 2-8H
Doc ID	1140956

Tops

Name	Top	Datum
Heebner Formation	-2068	SS
Douglas Formation	-2111	SS
Douglas Sand	-2193	SS
Lansing Formation	-2315	SS
Kansas City	-2573	SS
Swope	-2745	SS
Hertha	-2771	SS
Cherokee	-2947	SS
Mississippi Lime Formation	-2972	SS
Northview Shale	-3160	SS
Compton Limestone	-3180	SS
Kinderhook Shale	-3220	SS
Chattanooga Shale	-3270	SS
Viola	-3311	SS
Simpson	-3406	SS
Arbuckle	-3573	SS

Elite Drilling, LLC.

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



INVOICE

Bill To

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

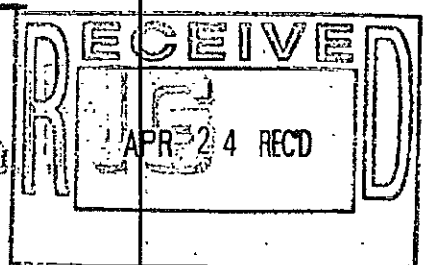
Date	Invoice #
4/10/2013	5636

Ordered By	Terms	Due Date	Lease	Legals & County Info
	Net 30	5/10/2013	Matthews 2-8H	

Description	Amount
Drilled mousehole and conductor hole on the Matthews 2-8H - Patterson Rig #172 on 03/16/2013	9,500.00
Materials	13,500.00
Drilled 100' of 32" Conductor Hole	
Furnished 100' of 20" Conductor Pipe	
Drilled 75' of 16" mouse hole	
Furnished 75' of 16" pipe	
Dirt Removal	
Furnished Welder & Materials	
Furnished Water Truck	
Furnished 15 yds of grout	
Furnished mud truck	
Safety ring to fence off holes	
Code 840.05	
Sales Tax	0.00

Well Name Matthews 2-8H
 AFE No. 13-1094
 ACCNT No. 840.05
 Name CURTIS TURNER
 Signature [Handwritten Signature]

ELITE DRILLING



THANK YOU FOR YOUR BUSINESS!!!	Total	\$23,000.00
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ALLIED OIL & GAS SERVICES, LLC 059789

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge KS

DATE <u>03/08/13</u>	SEC <u>8</u>	TWP <u>33</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Mathews</u>		WELL # <u>2-8</u>		LOCATION <u>Sharon KS West Edge, South to</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				<u>Old Rd, 1/4 West South into</u>			

CONTRACTOR Patterson #172

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 980

CASING SIZE 9 5/8 DEPTH 958

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1300 MINIMUM

MEAS. LINE SHOE JOINT 41

CEMENT LEFT IN CSG. 41

PERFS.

DISPLACEMENT 70 BBL Fresh H₂O

EQUIPMENT

PUMP TRUCK CEMENTER Jason Thinesch

558/555 HELPER Scott Priddy

BULK TRUCK

561/553 DRIVER Brandon Boer

BULK TRUCK

DRIVER

OWNER Tag Hill

CEMENT

AMOUNT ORDERED 225x Class A + 3%α + 2% SMT + 2% Gypseal + 1/4 # Floreal, 150x Class A + 3%α, 50 lbs Sugar

COMMON <u>Class A</u>	<u>375x @ 17.90</u>	<u>2249.50</u>
POZMIX	<u>45 @</u>	
GEL	<u>- @</u>	
CHLORIDE	<u>14x @ 64</u>	<u>896.00</u>
ASC	<u>@</u>	
SMS	<u>480lb @ 3.30</u>	<u>1584.00</u>
Gypseal	<u>55x @ 37.60</u>	<u>188.00</u>
Floreal	<u>64lb @ 2.97</u>	<u>190.08</u>
Sugar	<u>50# @ 1.50</u>	<u>75.00</u>
	<u>@</u>	
	<u>@</u>	
	<u>@</u>	
	<u>@</u>	
HANDLING <u>492.28 cu ft</u>	<u>@ 2.48</u>	<u>1097.65</u>
MILEAGE <u>20 times x 35mi x 2.60</u>		<u>1829.10</u>
TOTAL		<u>12413.03</u>

REMARKS:

Did circ cement

SERVICE

DEPTH OF JOB <u>999</u>	
PUMP TRUCK CHARGE	<u>2058.50</u>
EXTRA FOOTAGE	<u>@</u>
MILEAGE <u>25mi @ 7.70</u>	<u>269.50</u>
MANIFOLD <u>+ Head @ 2.75</u>	<u>275</u>
LV <u>35mi @ 4.40</u>	<u>154</u>
	<u>@</u>

TOTAL 2757

CHARGE TO: Tag Hill

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

NA

<u>1-Rubber plug</u>	<u>@</u>	<u>148.75</u>
	<u>@</u>	
	<u>@</u>	
	<u>@</u>	

TOTAL 148.75

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 Jose Corralejo

SIGNATURE Jose Corralejo

Card # 830-11 AFE # 13-1094

SALES TAX (If Any) _____

TOTAL CHARGES 16015.08

DISCOUNT _____ IF PAID IN 30 DAYS

Net 10408.80

ALLIED OIL & GAS SERVICES, LLC 059762

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

DATE <u>4-10-2013</u>	SEC <u>745</u>	TWP. <u>33S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00am</u>	JOB FINISH <u>12:00pm</u>
LEASE <u>Mathews</u>	WELL # <u>2-8H</u>	LOCATION <u>Sharon, KS South to Trinity</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			Rd, South to Job Pt, 1/4 W, S1/4				

CONTRACTOR Patterson #172

TYPE OF JOB Regrory Plus

HOLE SIZE 8 3/4 T.D.

CASING SIZE 9 5/8 DEPTH 936'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 5" DEPTH 4886'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 3 bbls water, 44 bbls mud

EQUIPMENT _____

OWNER Tug Hill

CEMENT

AMOUNT ORDERED 2505x class at .75%
CD 31, 1555x 60' 4% 4% G-01

COMMON <u>CLASS A 343sv</u>	@ <u>17.90</u>	<u>6,139.70</u>
POZMIX <u>625x</u>	@ <u>9.35</u>	<u>579.70</u>
GEL <u>55x</u>	@ <u>23.40</u>	<u>117.00</u>
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
CD-31 <u>176 lbs</u>	@ <u>16.30</u>	<u>1817.80</u>
Liquor <u>Polysar 199l.</u>	@ <u>52.38</u>	<u>52.38</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>41820 Ltr</u>	@ <u>2.48</u>	<u>1,036.64</u>
MILEAGE <u>656.93</u>	@ <u>2.60</u>	<u>1,708.02</u>
TOTAL		<u>11,446.24</u>

PUMP TRUCK CEMENTER Dora F

558-555 HELPER Scott P.

BULK TRUCK

561-553 DRIVER Joe H

BULK TRUCK

_____ DRIVER _____

REMARKS:

See Cement Log

Well Name Mathews 2-8H

AFE No. 13-1094

ACCNT No. 830.18

Name Curtis TURNER

Signature Curtis Turner

SERVICE

DEPTH OF JOB <u>4886'</u>		
PUMP TRUCK CHARGE _____	<u>2810.94</u>	
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>35</u>	@ <u>7.70</u>	<u>269.50</u>
MANIFOLD _____	@ _____	_____
ESHA vehicle <u>35</u>	@ <u>4.40</u>	<u>154.00</u>
_____	@ _____	_____
TOTAL		<u>3234.34</u>

CHARGE TO: Tug Hill

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>None</u>	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

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.

SALES TAX (If Any) _____

TOTAL CHARGES: 14,680.58

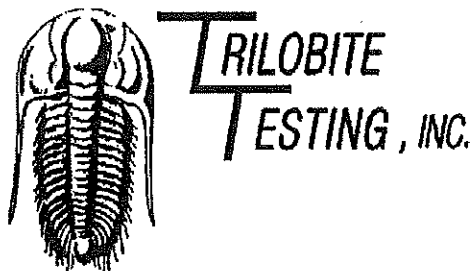
DISCOUNT: 5,138.20 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE x [Signature]

Mo. \$9,542.38

Thank you!!!



DRILL STEM TEST REPORT

Prepared For: **Tug Hill Operating LLC**

550 Bailey Ave Ste 510
Fort Worth TX 76107

ATTN: Winnie Scott

Matthews #2-8H

8-33s-10w Barber,KS

Start Date: 2013.04.07 @ 03:17:32

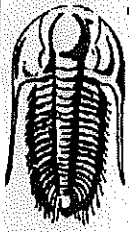
End Date: 2013.04.07 @ 19:19:32

Job Ticket #: 50948 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.04.12 @ 09:35:40

Tug Hill Operating LLC 8-33s-10w Barber,KS Matthews #2-8H DST # 1 Viola 2013.04.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tug Hill Operating LLC

8-33s-10w Barber,KS

550 Bailey Ave Ste 510
Fort Worth TX 76107

Matthews #2-8H

ATTN: Winnie Scott

Job Ticket: 50948

DST#: 1

Test Start: 2013.04.07 @ 03:17:32

GENERAL INFORMATION:

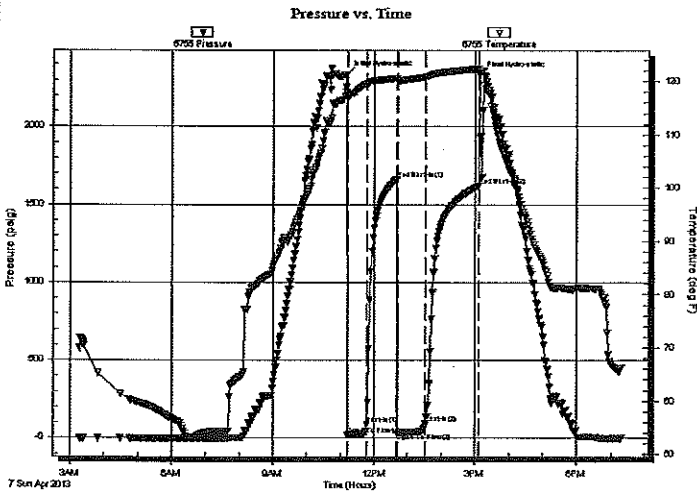
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:12:32
 Time Test Ended: 19:19:32
 Interval: **4883.00 ft (KB) To 4911.00 ft (KB) (TVD)**
 Total Depth: 4911.00 ft (KB) (TVD)
 Hole Diameter: 8.75 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 1569.00 ft (KB)
 1546.00 ft (CF)
 KB to GR/CF: 23.00 ft

Serial #: 6755

Inside

Press@RunDepth: 95.93 psig @ 4884.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.07 End Date: 2013.04.07 Last Calib.: 2013.04.07
 Start Time: 03:17:37 End Time: 19:19:32 Time On Btm: 2013.04.07 @ 11:10:47
 Time Off Btm: 2013.04.07 @ 15:07:32

TEST COMMENT: IF: Weak blow 1/8"
 IS: No blow back
 FF: Weak blow 1/4"
 FSI: No blow back



PRESSURE SUMMARY

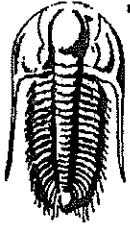
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.42	117.80	Initial Hydro-static
2	21.20	117.13	Open To Flow (1)
35	89.88	119.44	Shut-In(1)
91	1665.05	120.59	End Shut-In(1)
92	32.59	119.96	Open To Flow (2)
141	95.93	120.85	Shut-In(2)
235	1620.01	122.41	End Shut-In(2)
237	2330.50	121.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	W,M 5%w ater 95% mud	0.15

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Tug Hill Operating LLC
550 Bailey Ave Ste 510
Fort Worth TX 76107
ATTN: Winnie Scott

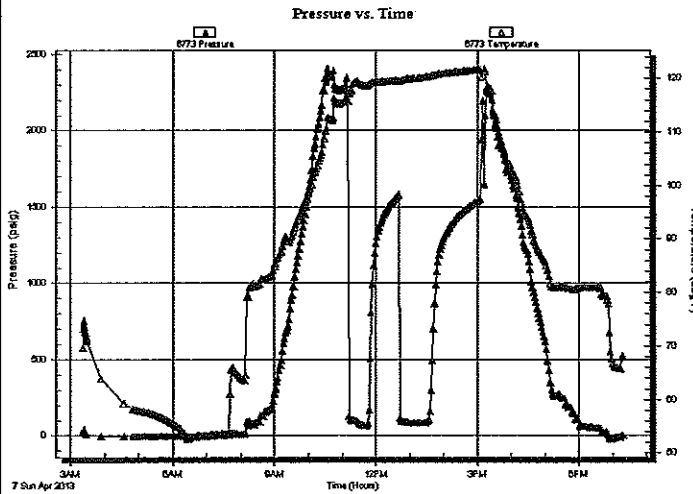
8-33s-10w Barber, KS
Matthews #2-8H
Job Ticket: 50948 DST#: 1
Test Start: 2013.04.07 @ 03:17:32

GENERAL INFORMATION:

Formation: Viola
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:12:32
Time Test Ended: 19:19:32
Interval: 4883.00 ft (KB) To 4911.00 ft (KB) (TVD)
Total Depth: 4911.00 ft (KB) (TVD)
Hole Diameter: 8.75 inches
Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 47
Reference Elevations: 1569.00 ft (KB)
1546.00 ft (CF)
KB to GR/CF: 23.00 ft

Serial #: 6773 Outside
Press@RunDepth: psig @ 4884.00 ft (KB)
Start Date: 2013.04.07 End Date: 2013.04.07
Start Time: 03:21:36 End Time: 19:19:31
Capacity: 8000.00 psig
Last Calib.: 2013.04.07
Time On Btm:
Time Off Btm:

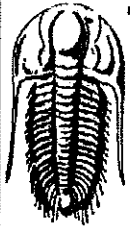
TEST COMMENT: IF: Weak blow 1/8"
ISI: No blow back
FF: Weak blow 1/4"
FSI: No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	W,M 5%w ater 95% mud	0.15

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tug Hill Operating LLC

8-33s-10w Barber, KS

550 Bailey Ave Ste 510
Fort Worth TX 76107

Matthews #2-8H

Job Ticket: 50948

DST#: 1

ATTN: Winnie Scott

Test Start: 2013.04.07 @ 03:17:32

Tool Information

Drill Pipe:	Length: 4311.00 ft	Diameter: 3.80 inches	Volume: 60.47 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 544.00 ft	Diameter: 2.25 inches	Volume: 2.68 bbl	Weight to Pull Loose: 170000.0 lb
			<u>Total Volume: 63.15 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 150000.0 lb
Depth to Top Packer:	4883.00 ft			Final 150000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 8.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4855.00	
Shut In Tool	5.00			4860.00	
Hydraulic tool	5.00			4865.00	
Jars	5.00			4870.00	
Safety Joint	3.00			4873.00	
Packer	5.00			4878.00	29.00 Bottom Of Top Packer
Packer	5.00			4883.00	
Stubb	1.00			4884.00	
Recorder	0.00	6773	Outside	4884.00	
Recorder	0.00	6755	Inside	4884.00	
Perforations	24.00			4908.00	
Bullnose	3.00			4911.00	28.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tug Hill Operating LLC

8-33s-10w Barber,KS

550 Bailey Ave Ste 510
Fort Worth TX 76107

Matthews #2-8H

Job Ticket: 50948

DST#: 1

ATTN: Winnie Scott

Test Start: 2013.04.07 @ 03:17:32

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 4.00 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	W,M 5%w ater 95%mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

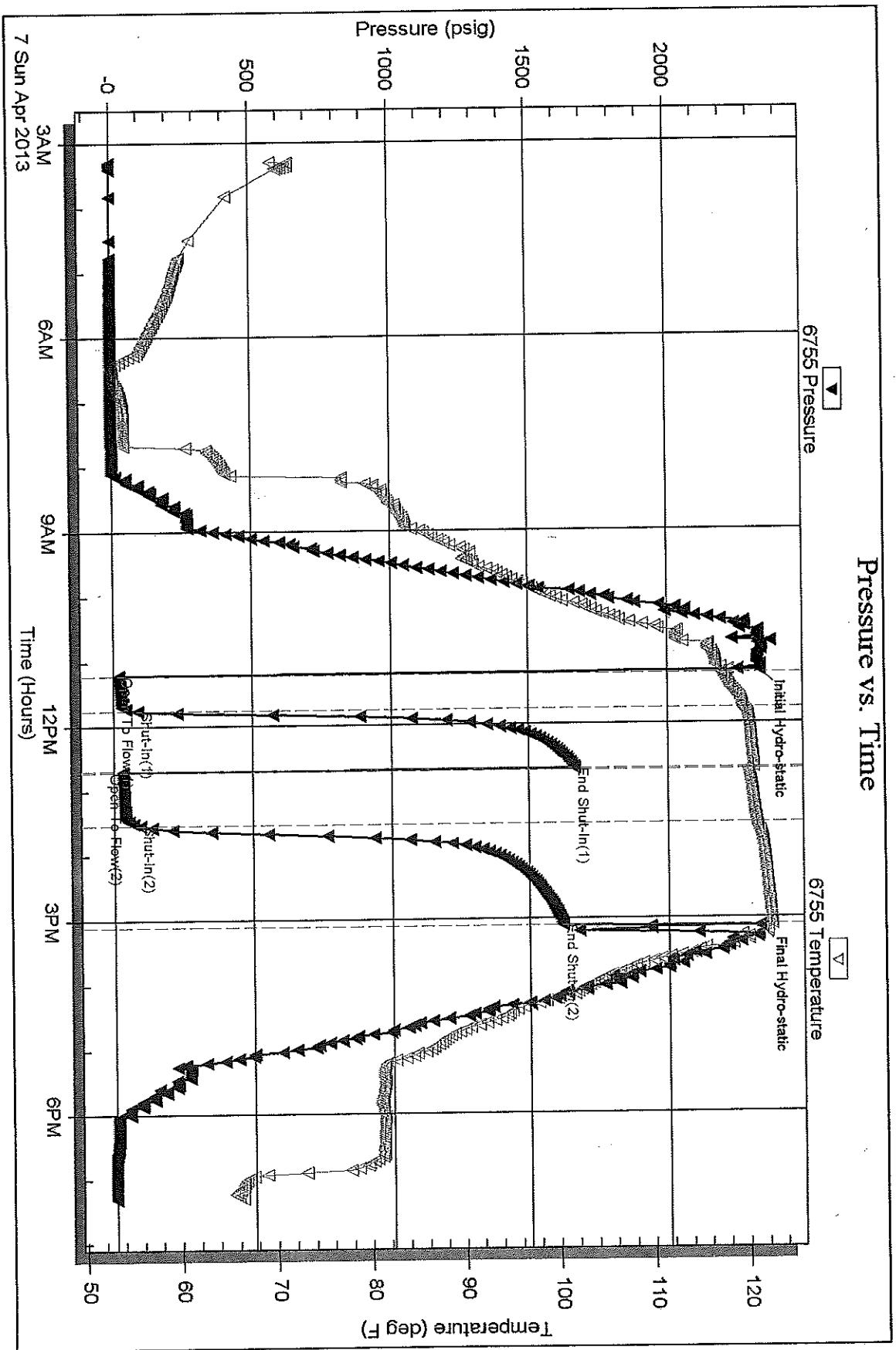
Serial #: 6755

Inside

Tug Hill Operating LLC

Mathews #2-8H

DST Test Number: 1

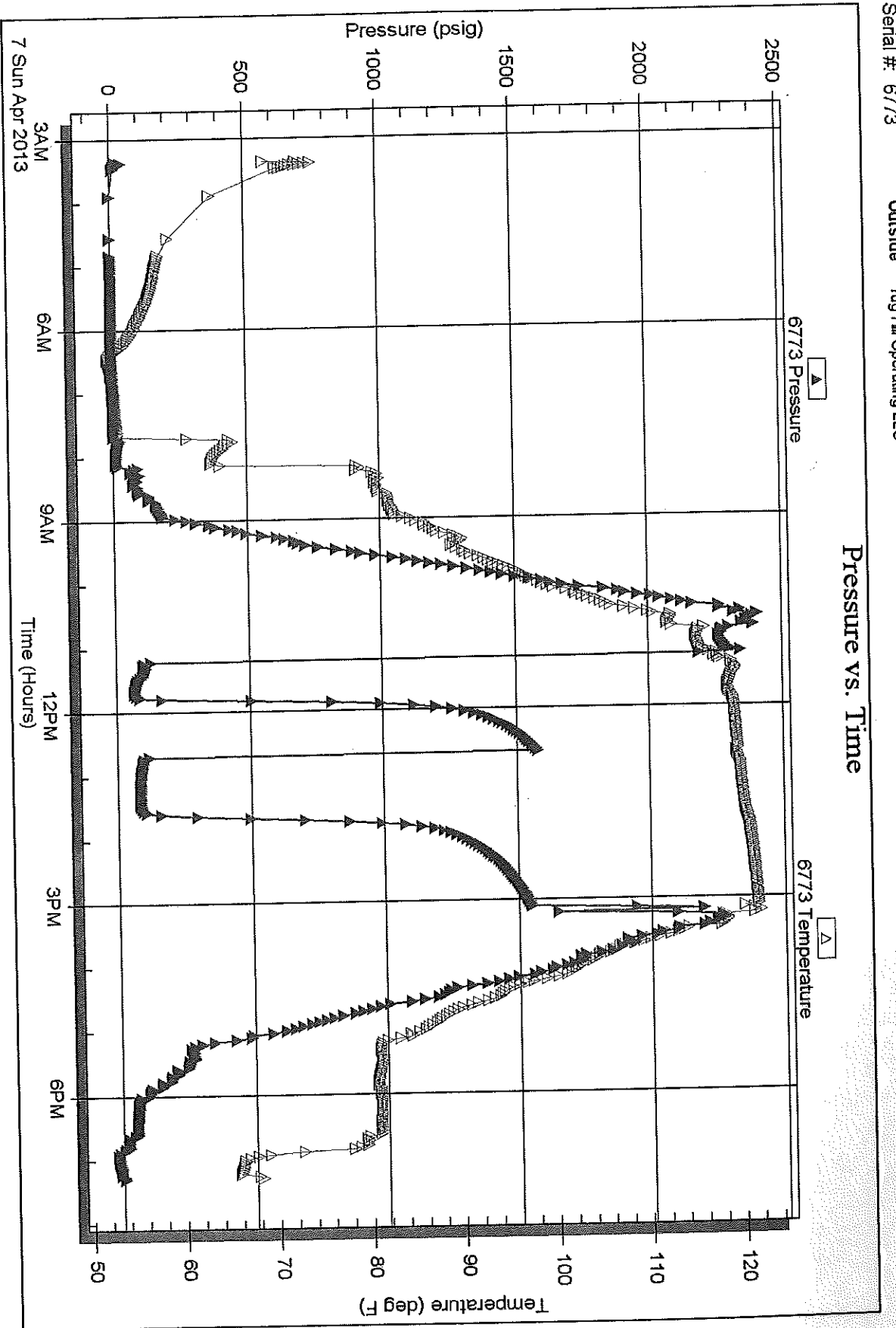


Serial #: 6773

Outside Tug Hill Operating LLC

Matthew's #2-8H

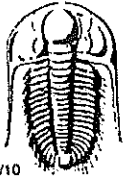
DST Test Number: 1



Trickdie Testing, Inc

Ref. No: 50948

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50948

Well Name & No. Matthews 2-8H Test No. 1 Date 4-7-13
 Company Tug Hill Operating LLC Elevation _____ KB 1546 GL _____
 Address 550 Bailey Ave, STE 510 Fort Worth TX 76107
 Co. Rep / Geo. Winnie Scott Rig Patterson #172
 Location: Sec. 8 Twp. 33 Rge. 10 Co. Barber State KS

Interval Tested 4883 - 4911 Zone Tested Viola
 Anchor Length 28' Drill Pipe Run 4311 Mud Wt. 9.1
 Top Packer Depth 4878 Drill Collars Run 544 Vis 52
 Bottom Packer Depth 4883 Wt. Pipe Run 0 WL 4.0
 Total Depth 4911 Chlorides 12.000 ppm System LCM 0

Blow Description IF: weak blow 1/8"
ISL: NO blow back
FF: weak blow 1/4"
ISL: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30'</u>	Feet of <u>W.M</u>	<u>830.26</u>			
Rec _____	Feet of _____	<u>CURTIS TURNER</u>		<u>5</u>	<u>95</u>
Rec _____	Feet of _____	<u>Curtis</u>			
Rec _____	Feet of _____				
Rec _____	Feet of _____				

Rec Total 30 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2333 Test 1250 125.00 T-On Location 2:15
 (B) First Initial Flow 21 Jars 250.00 T-Started 3:17
 (C) First Final Flow 89 Safety Joint 75.00 T-Open 11:12
 (D) Initial Shut-In 1665 Circ Sub _____ T-Pulled 14:15
 (E) Second Initial Flow 30 Hourly Standby 3 hours 300.00 T-Out 19:15
 (F) Second Final Flow 95 Mileage 100/155.00 Comments _____
 (G) Final Shut-In 1620 Sampler _____
 (H) Final Hydrostatic 2330 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 60 Extra Packer 2 1/8" packers 500.00 Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 90 Day Standby _____ Total 3080
 Accessibility 150.00 MR/DST Disc't _____
 Sub Total 3080 ~~150.00~~ 2655.00

Approved By _____ Our Representative Cheryl Scott
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Well Name: Mathews 2-8H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Barber

As Run

SHL: 1520' FNL & 1364' FEL

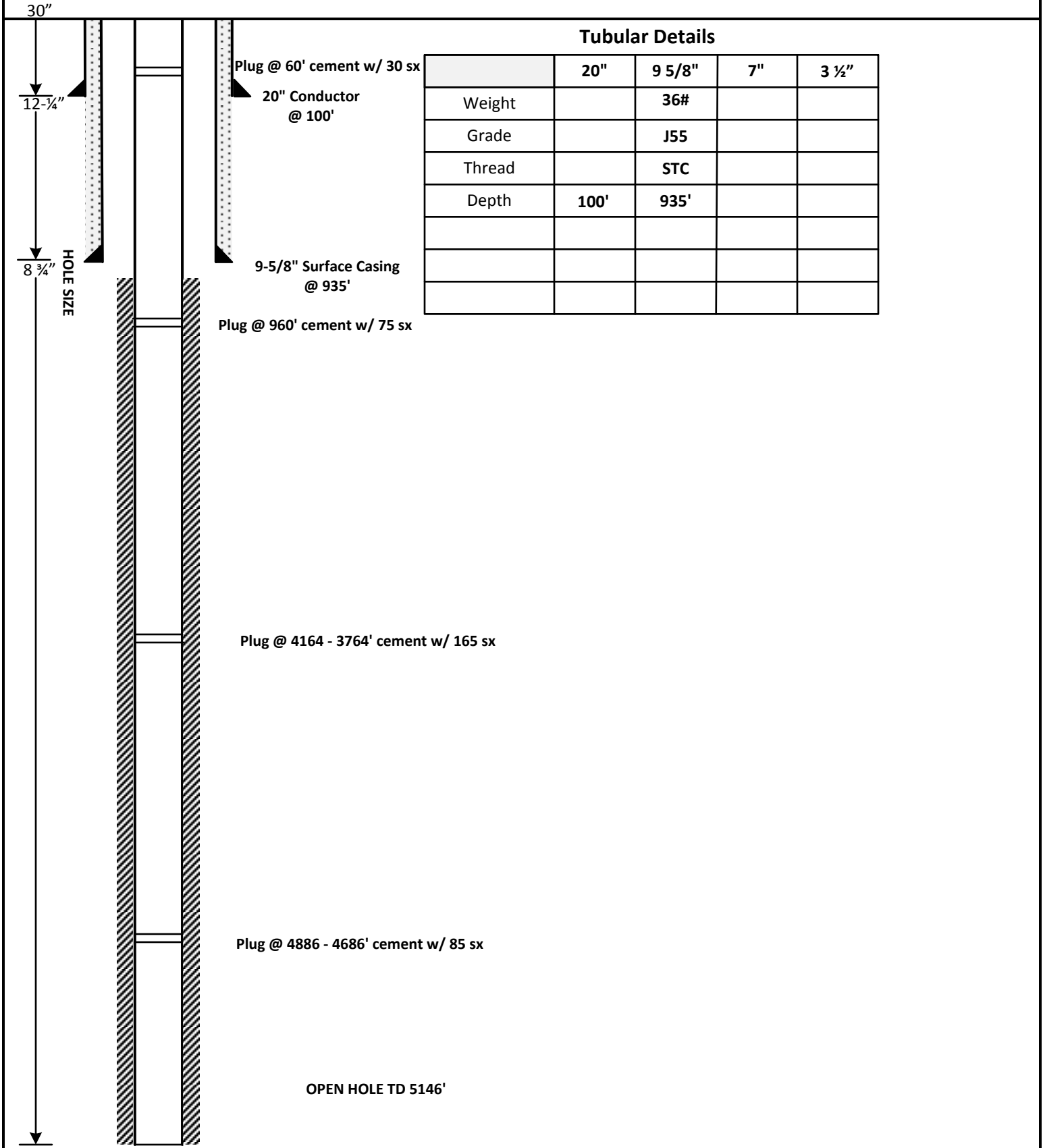
Township:

GL Elev: 1546' KB: KB Elev:

BHL:

AFE: 13-1094

Permit Number: 15-007-23996-00-00



Tubular Details

	20"	9 5/8"	7"	3 1/2"
Weight		36#		
Grade		J55		
Thread		STC		
Depth	100'	935'		

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

May 22, 2013

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

Re: ACO1
API 15-007-23996-00-00
Mathews 2-8H
NE/4 Sec.08-33S-10W
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