



1233585

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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		

<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> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Donald 1-11
Doc ID	1233585

All Electric Logs Run

Dual IND.
Dual Comp. Porosity
Sonic
Micro





CHARGE TO:  
*American Warrior, Inc.*  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 26883

SERVICE LOCATIONS 1. <i>Hays, KS</i>	WELL/PROJECT NO. # <i>1-11</i>	LEASE <i>Donald</i>	COUNTY/PARISH <i>Rice</i>	STATE <i>Ks</i>	CITY	DATE <i>10-2-14</i>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Duke Drilling</i>	RIG NAME/NO. # <i>8</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>S/Bushlan, KS</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>W.C.</i>	JOB PURPOSE <i>Cement Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # <i>113</i>	80		mi		600	480.00
578		1			Pump Charge - <i>cmt. Longstring</i>	1	3398		ft.	1500.00	1500.00
221		1			Liquid KCL	2		gal		25.00	50.00
281		1			Mud Flush	500		gal		125	625.00
290		1			D-Air	2		gal		4200	8400
402		1			Centralizers	6		ea	5 1/2 in	70.00	420.00
403		1			Cement Basket	1		ea	5 1/2 in	300.00	300.00
406		1			Latch Down Plug & Baffle	1		ea	5 1/2 in	275.00	275.00
407		1			Insert Float Shoe w/ Auto-Fill	1		ea	5 1/2 in	375.00	375.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*  
 DATE SIGNED *10-2-14* TIME SIGNED *0330*  
 A.M.  
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1 PAGE TOTAL	4109.00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	5212.14
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9321.14
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rice TAX 7.15%	447.48
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	9768.62
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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JOB LOG

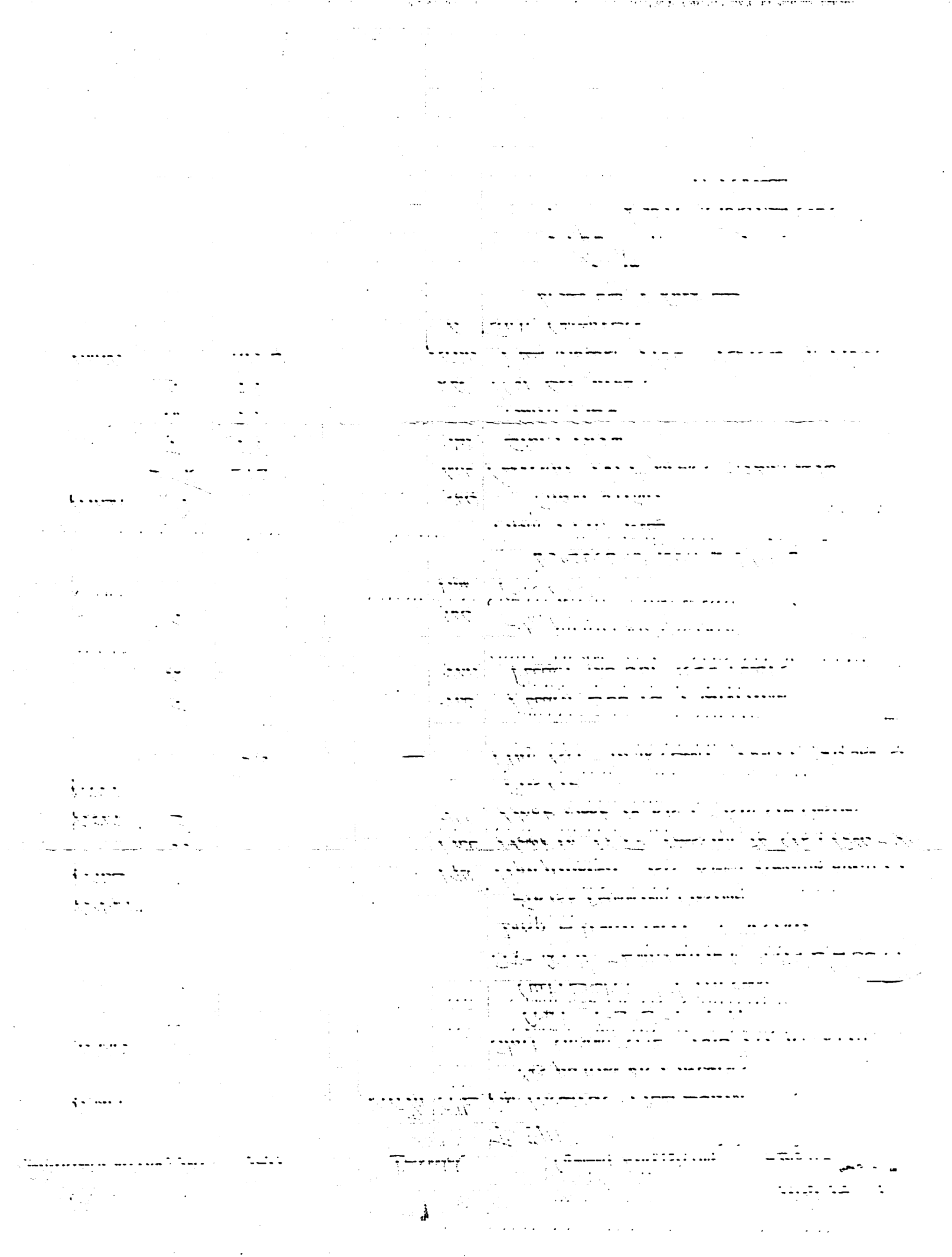
SWIFT Services, Inc.

DATE 10-2-14 PAGE NO. 1

CUSTOMER American Warrior, Inc. WELL NO. 1-11 LEASE Donald JOB TYPE Cement Longstring TICKET NO. 26883

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TO 3400'	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	0230						15.5 #/ft	5 1/2"	On location - Fleet Equip
	0330								Ris putting on Elevators Start casing 5 1/2" - 15.5 #/ft to 3398' Cmt 1-3-5-7-9-11 Cmt. Basket #4 Pin end ST- 24 1/2" - L.D. Baffle @ 3373 1/2' = 80 1/4 Drop fill-up ball 5 Jts out
	0445								Finish running casing
	0520						1900 #		Pipe plugged - Ris keep blowing No. 1 1900 #
	0515	0					1900		Hook to P.T. Press up to circ. 1900 - 400 #
	0545	3					400		Hook back to Ris. - Ris circ casing
			7 1/5						Fin circ Plug RH - 30 sks cut / MLT - 20 sks cut
		5					400		Pump 500 gal Mud flush
		6					400		Pump 20 BBL KCL flush
		4					300		Start 125 sks cut
							Use		Fin cut. Wash out pump & lines Drop L.D. Plug
	0600	9					500		Start Disp
		9 1/8	55				600		Caught 1 1/2" press - slow rate
		7	70				700		Slow rate
		6	75						Slow rate
		5	79				800		last circ press
	0630		80 1/4				1500		Plug Down - Held - Release & Hold
							0		Job Complete Washup & Pack up

Thanks  
Don, Tom, Steve  
& Craig



# ALLIED OIL & GAS SERVICES, LLC 063928

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
great Bend

0-27-14 DATE	SEC. 11	TWP 18	RANGE 10	CALLED OUT	ON LOCATION 12:30pm	JOB START 1:30am	JOB FINISH 2:00am
Donald LEASE	WELL # 1-11		LOCATION Bushton 2w 15 E chate		COUNTY Rice	STATE KY	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Duke 8  
 TYPE OF JOB surface  
 HOLE SIZE 12 1/2 T.D. 412  
 CASING SIZE 8 3/4 DEPTH 412  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT H2O 25 BBL

OWNER same  
 CEMENT  
 AMOUNT ORDERED 2.75 M class A 37cc  
27 gel

EQUIPMENT

PUMP TRUCK CEMENTER David King  
 # 366 HELPER Madyn Spangenberg  
 BULK TRUCK  
 # 609-239 DRIVER Kevin Weighouse  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>275</u>	@ <u>17.90</u>	<u>4,922.50</u>
POZMIX		@	
GEL	<u>517</u>	@ <u>.50</u>	<u>258.50</u>
CHLORIDE	<u>775</u>	@ <u>1.10</u>	<u>852.50</u>
ASC		@	
<u>Materials Total</u>			<u>6,033.50</u>
<u>Disc 20%</u>			<u>1,206.70</u>
<u>Service</u>			
HANDLING	<u>297.37</u>	@ <u>2.48</u>	<u>737.48</u>
MILEAGE	<u>13.57 x 40 x</u>	@ <u>2.75</u>	<u>1,492.20</u>

REMARKS:

Rig ran 412' 8 3/4 cas broke  
gas w/ Rig mud hook to  
head pump 5 BBL H2O mix 2.75 M  
shut down Release plug displace  
25 BBL H2O shut cln cement did  
circulate

DEPTH OF JOB 412  
 PUMP TRUCK CHARGE 1512.25  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE Hum 40 @ 7.70 308.00  
 MANIFOLD @ \_\_\_\_\_  
Hum 40 @ 4.40 176.00

CHARGE TO: American warrior  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 4,226.43  
 Disc 20% 845.29

Thank you!  
 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

Rubber plug 131.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL 131.00  
 Disc 20% 26.20

PRINTED NAME Kerry Savage  
 SIGNATURE Kerry Savage

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 10,390.93  
 DISCOUNT 20% 2,078.19 (20/20/20)  
 IF PAID IN 30 DAYS  
8,312.74



## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Clint Musgrove

**Donald #1-11**

**11-18s-10w Rice,KS.**

Start Date: 2014.10.01 @ 00:01:40

End Date: 2014.10.01 @ 05:15:40

Job Ticket #: 59910                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 10:26:05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**11-18s-10w Rice, KS.**

PO Box 399  
Garden City, KS 67846

**Donald #1-11**

Job Ticket: 59910

**DST#: 1**

ATTN: Clint Musgrove

Test Start: 2014.10.01 @ 00:01:40

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:25:55

Time Test Ended: 05:15:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 68

**Interval: 3190.00 ft (KB) To 3275.00 ft (KB) (TVD)**

Reference Elevations: 1753.00 ft (KB)

Total Depth: 3275.00 ft (KB) (TVD)

1745.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8790 Inside**

Press@RunDepth: 76.77 psig @ 3193.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.01

End Date:

2014.10.01

Last Calib.: 2014.10.01

Start Time: 00:01:45

End Time:

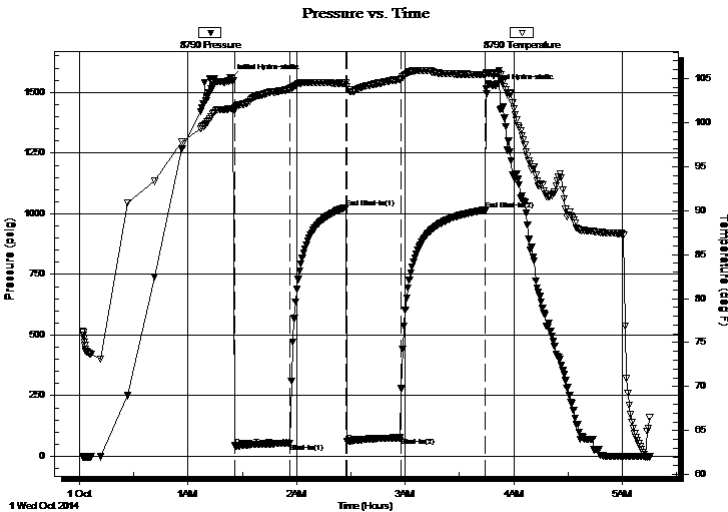
05:15:39

Time On Btm: 2014.10.01 @ 01:23:25

Time Off Btm: 2014.10.01 @ 03:44:55

TEST COMMENT: IF: Weak blow . surf. - 1"  
IS: No blow  
FF: Weak blow . surf. - 1"  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.77	101.58	Initial Hydro-static
3	41.86	101.64	Open To Flow (1)
33	53.91	103.79	Shut-In(1)
64	1026.25	104.45	End Shut-In(1)
65	59.60	104.04	Open To Flow (2)
94	76.77	104.88	Shut-In(2)
141	1015.53	105.42	End Shut-In(2)
142	1515.56	105.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 40%o, 60%m	1.26
50.00	Clean Oil	0.70

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m <sup>3</sup> /d)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**11-18s-10w Rice, KS.**

PO Box 399  
Garden City, KS 67846

**Donald #1-11**

Job Ticket: 59910

**DST#: 1**

ATTN: Clint Musgrove

Test Start: 2014.10.01 @ 00:01:40

## Tool Information

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3190.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3171.00	
Shut In Tool	5.00			3176.00	
Hydraulic tool	5.00			3181.00	
Packer	5.00			3186.00	20.00 Bottom Of Top Packer
Packer	4.00			3190.00	
Stubb	1.00			3191.00	
Perforations	1.00			3192.00	
Change Over Sub	1.00			3193.00	
Recorder	0.00	8790	Inside	3193.00	
Recorder	0.00	8792	Outside	3193.00	
Drill Pipe	63.00			3256.00	
Change Over Sub	1.00			3257.00	
Perforations	15.00			3272.00	
Bullnose	3.00			3275.00	85.00 Bottom Packers & Anchor

**Total Tool Length: 105.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior, Inc.

**11-18s-10w Rice, KS.**

PO Box 399  
Garden City, KS 67846

**Donald #1-11**

Job Ticket: 59910

**DST#: 1**

ATTN: Clint Musgrove

Test Start: 2014.10.01 @ 00:01:40

### 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:

3200 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 0.04 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCM 40%o, 60%m	1.262
50.00	Clean Oil	0.701

Total Length: 140.00 ft

Total Volume: 1.963 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

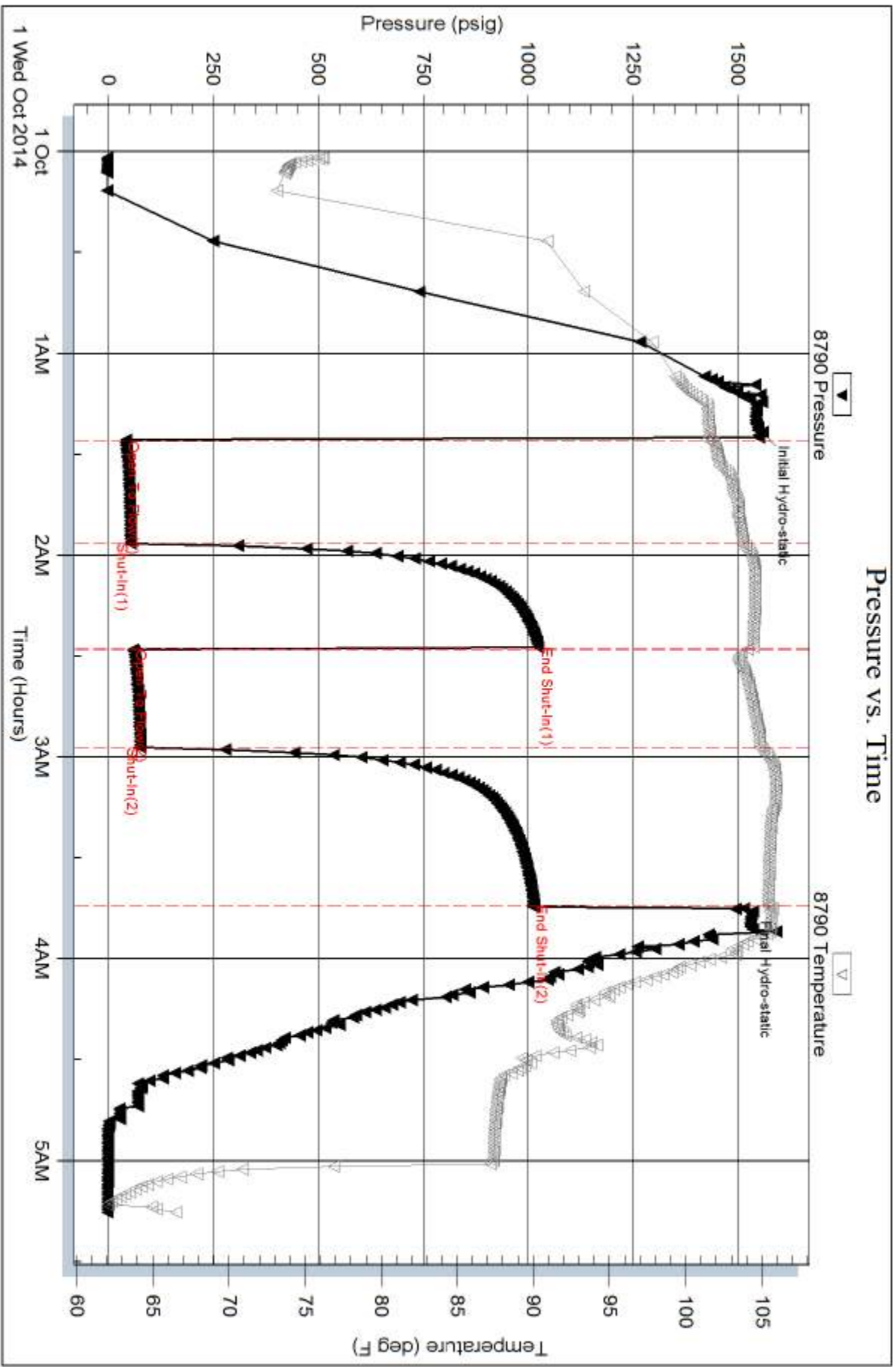
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



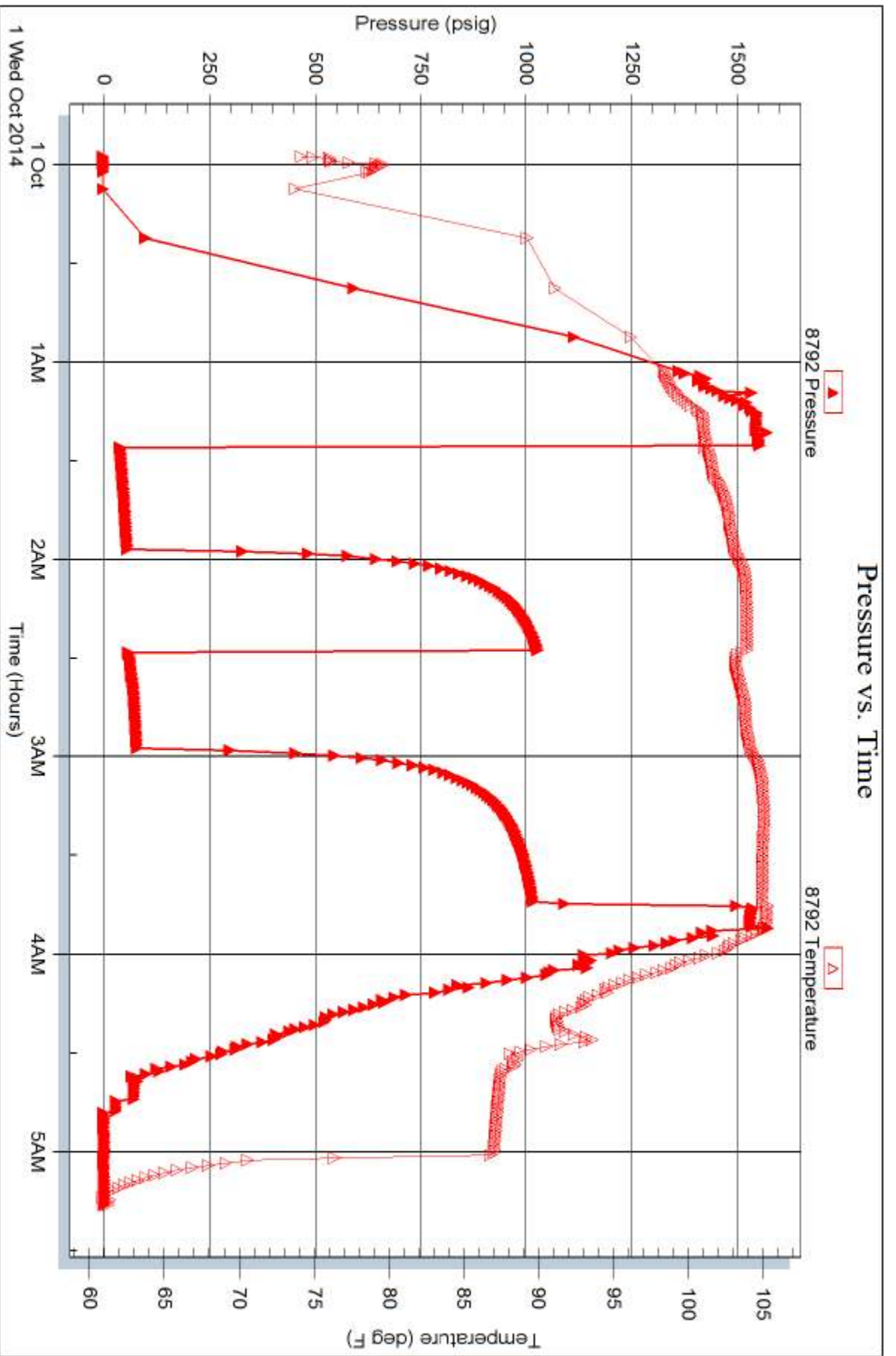


Serial #: 8792

Outside American Warrior, Inc.

Donald #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59910

Printed: 2014, 10:03 @ 10:26:06



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59910

4/10

Well Name & No. Donald 1-11 Test No. 1 Date 9.30.14  
 Company American Warrior, Inc. Elevation 1753 KB 1745 GL  
 Address 3118 Cummines Rd. Garden City, KS 67846  
 Co. Rep / Geo. Clint Musgrave Rig Duke 8  
 Location: Sec. 11 Twp. 18s Rge. 10w Co. Rice State KS

Interval Tested 3190-3275 Zone Tested Arbuckle  
 Anchor Length 85' Drill Pipe Run 3190 Mud Wt. 9.3  
 Top Packer Depth 3185 Drill Collars Run Ø Vis 49  
 Bottom Packer Depth 3190 Wt. Pipe Run Ø WL 8.4  
 Total Depth 3275 Chlorides 3200 ppm System LCM Ø  
 Blow Description IF: Weak blow, surf. - 1" IST: No blow  
FF: Weak blow, surf. - 1" FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Clean Oil</u>				
<u>90</u>	<u>OCM</u>		<u>40</u>		<u>60</u>

Rec Total 140 BHT 105 Gravity 38 API RW N/C @ N/C °F Chlorides 3200 ppm  
 (A) Initial Hydrostatic 1559  Test 1150 T-On Location 2230  
 (B) First Initial Flow 42  Jars \_\_\_\_\_ T-Started 0002  
 (C) First Final Flow 54  Safety Joint \_\_\_\_\_ T-Open 0126  
 (D) Initial Shut-In 1026  Circ Sub \_\_\_\_\_ T-Pulled 0342  
 (E) Second Initial Flow 60  Hourly Standby \_\_\_\_\_ T-Out 0516  
 (F) Second Final Flow 77  Mileage 150 56rt 86.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 1016  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1516  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1236.80  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1236.80

Approved By \_\_\_\_\_ Our Representative Ryan Reynolds  
 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.



Office (620) 588-4250 212 Main St. • P.O. Box 215 • Clarlin, KS 67525 (620) 587-3444  
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# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY American Warrior Inc.

LEASE Donald #1-11

FIELD Bushton

LOCATION NW-SE-SE-SE (342' FSU, 352' FEL)

SEC 11 TWP 18S RGE 10W

COUNTY Rice STATE Kansas

CONTRACTOR Duke Drilling Co. (rig#8)

SPUD 9/26/2014 COMP 10/1/2014

RTD 3400 LTD 3392

MUD UP 2500 TYPE MUD Chemical displaced

SAMPLES SAVED FROM 2600

DRILLING TIME KEPT FROM 2700

SAMPLES EXAMINED FROM 2700

GEOLOGICAL SUPERVISION FROM 2750

GEOLOGIST ON WELL Jim Musgrove & Clint Musgrove

ELEVATIONS

KB 1753

DF \_\_\_\_\_

GL 1745

Measurements Are All From -KB-

CASING SURFACE 8 5/8" @ 412'  
 PRODUCTION 5 1/2" @ 3399'

ELECTRICAL SURVEYS  
Pioneer  
DIL, CNV, DL, Micro, Same

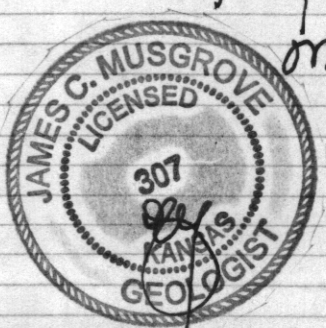
RTD

FORMATION TOPS LOG SAMPLES

Anyhydrite	451	+1302
Base anhydrite	467	+1286
Hebner	2785	-1032
Ironstone	2801	-1048
Douglas	2815	-1062
Brown lime	2901	-1148
Wansing	2922	-1169
Base Kearsley City	3197	-1444
Conglomerate	3217	-1464
Arbuckle	3271	-1510
RTD	3400	-1647
LTD	3392	-1634

REMARKS

5 1/2" production casing was set & cemented on the Donald #1-11.

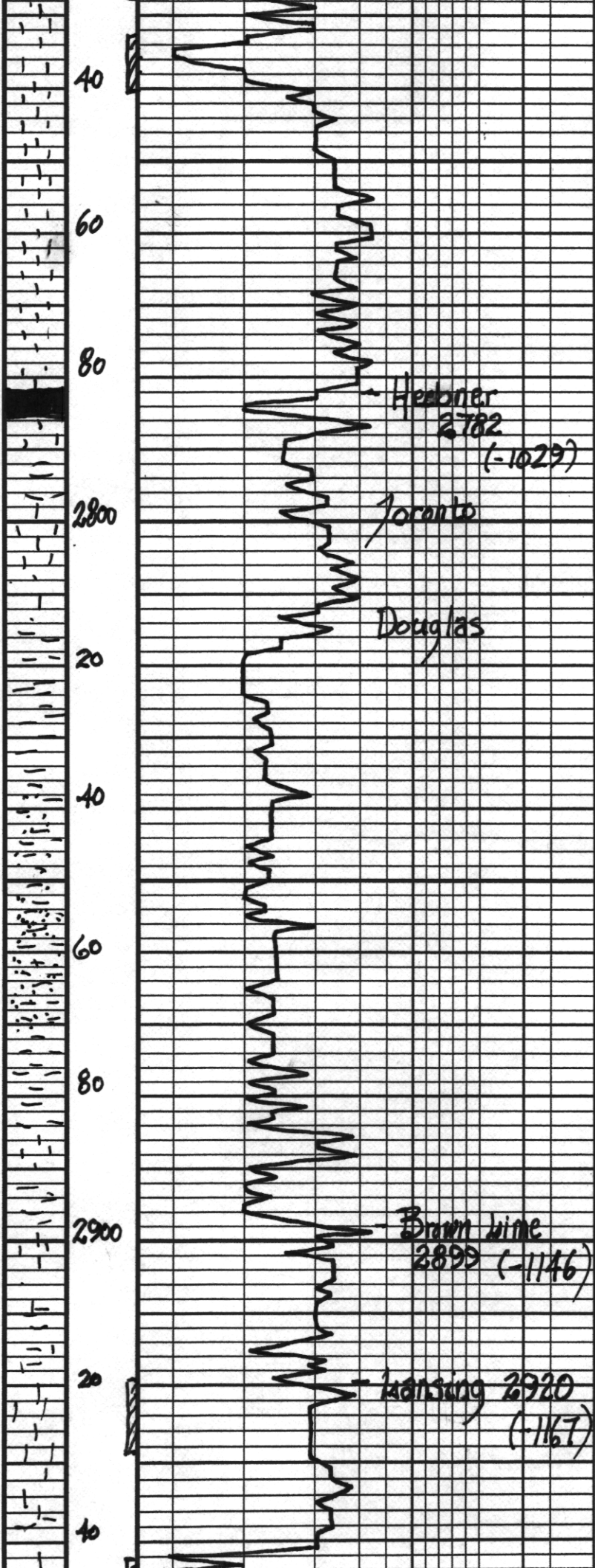


Respectfully submitted:  
 James C. Musgrove & Clint Musgrove  
 Petroleum Geologists

1753 KB -

5.5 tan, ex. by sus, slightly dolomitic n/s

5052



ls, gray/wh; fine; com;  
cherty; bar. vis. n/s

ls, gray; fine, slightly gran;  
cherty n/s

Tr. gray Δ

blk carb. sh.

non/brick red-green sh

ls, gray; wh; fine; few foss;  
cherty; Jr. dk. broken sh.  
Tr. fo (heavy - blk/brown)  
no odor.

grayish green/gray-green  
silty sh.

Sd. gray/grayish green, vfg;  
mica; shaly in part;  
Tr. fo n/s

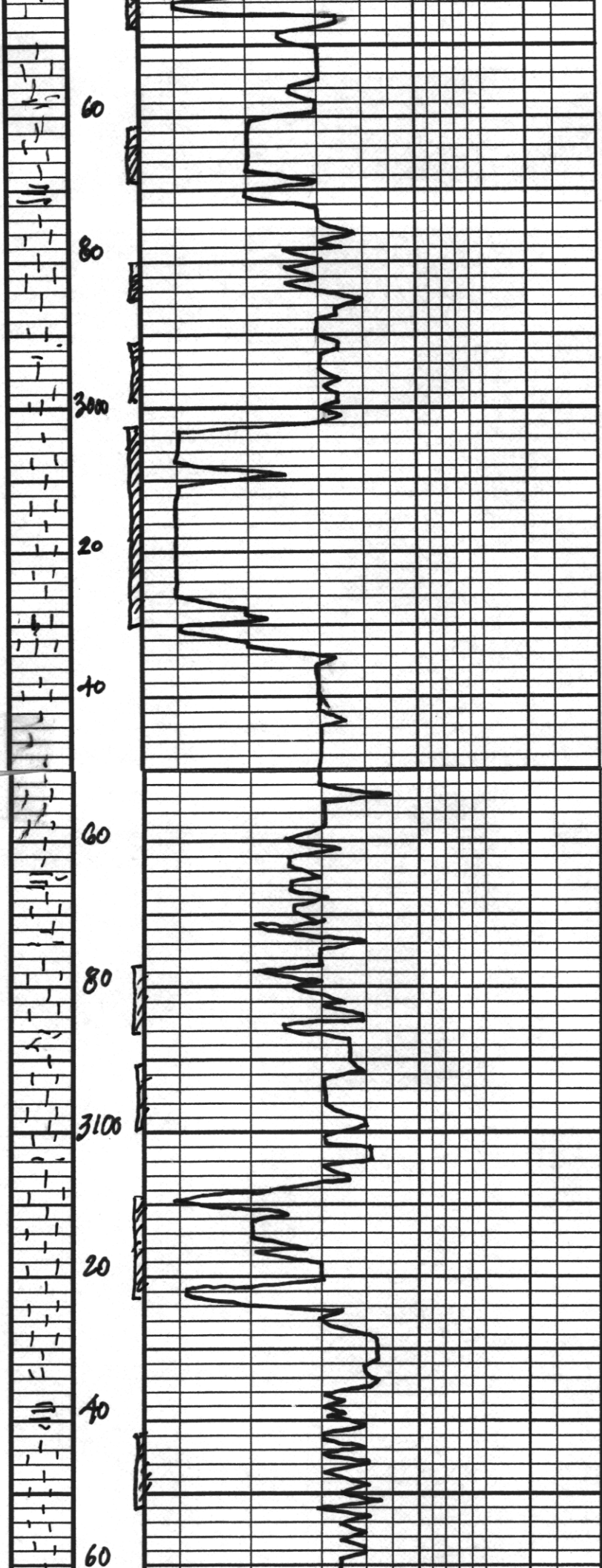
data shak/sand

ls, wh; cherty

ls, tan/brown, slightly  
dy. (d. se.)

gray/grayish green  
sh.

ls, wh/gray; slightly foss  
cherty n/s



ls, tan/gm, ool, oom, fr, o

3 2

ls, tan, foss, oom, scatt  
fossil cont/oom o (barren)

ls, gm/ton, ool, slightly  
ly/dsq

ls, tan, brown, oom, fr, oom  
(barren)

3 2  
aa

3 1

ls, crm, fat, ool, foss  
scatt vis, s' wsf

gr. blk carb sh

ls, gm, wh, foss/ool,  
chky, poor vis o' ml

ls, tan, few w/ scatt o' ool

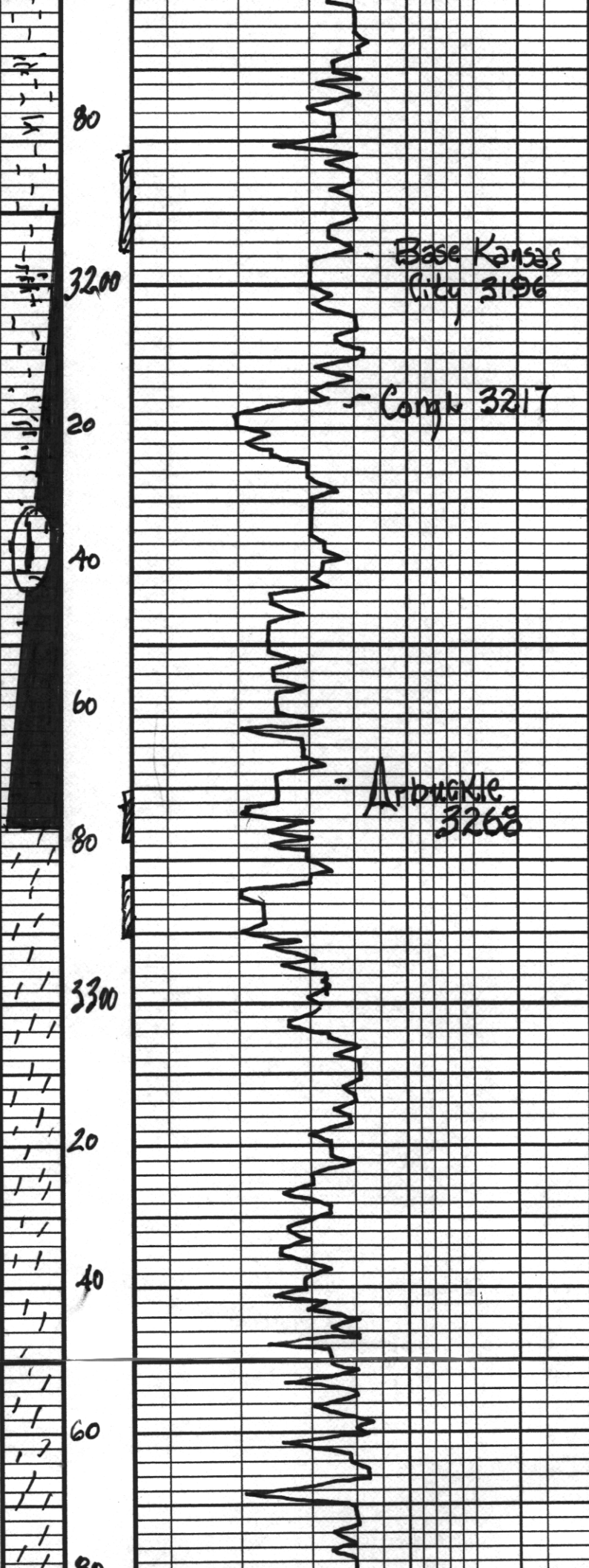
ls, gm, wh, foss/oom,  
fr oom o' ml

3 2  
ditto aa

gm/mar sh.

ls, gm/crm (x' h), chky,  
poor vis o'

3 2



~ Jr. Coffee brown sh

~ ls, crm, (x-h) cherty,  
scat g ms

~ ~

~ gry/red sh

~ ls, crm, wh/tan fxl  
cherty ms

Dist #1 3190-3275

30-30-30-45

Blow, weak

REC; 50' clean oil

90' Heavy oil

cut mud

(40% oil; 60% mud)

~ v.c. sh

~ ls, wh/crm, fxl, cherty  
by (dsc)

~ ~

~ v.c. sh / v.c. ool; opaque/  
bary/A

Pressures; Isip 1026 psi

Isip 1016

IHP 42-54

SSP 60-77

NSH

1559-1516

~ dol, wh/gry, fxl, suc;  
scat ppd / brown sh;  
Sfo odor.

~ dol, wh/tan, f-med  
xh; Jr brown sh; Trife;  
Sfo odor

~ dol, aay, scat g; Jr. Por sh;  
Trife; Sfo odor

~ dol, wh/tan f-med xh;  
gry  
Jr. Ex-25 ms

~ aay, few AY

~ dol, wh/gry, suc; scat g

