



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1196799
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: _____

1196799

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: <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

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	American Warrior, Inc.
Well Name	Scheetz 5-22
Doc ID	1196799

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Scheetz 5-22
Doc ID	1196799

Tops

Name	Top	Datum
Anhy	2636	+515
B/Anhy	2662'	+490
Heebner	4049'	-898
Lansing	4092'	-945
B/KC	4383'	-1232
Pawnee	4516'	-1365
Ft.Scott	4570'	-1419
Johnson	4644'	-1493
Mississippian	4701'	-1550

ALLIED OIL & GAS SERVICES, LLC 062491

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
2-1-14 Oakley

DATE <i>3-1-14</i>	SEC. <i>22</i>	TWP. <i>11</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>9:30 P.M.</i>	JOB FINISH <i>10:00 P.M.</i>
LEASE <i>Scheetz</i>	WELL # <i>5-22</i>		LOCATION <i>Oakley SW 225 WINDO</i>		COUNTY <i>Logan</i>	STATE <i>Ks</i>	
OLD OR (NEW) (Circle one)							

CONTRACTOR <i>Duke 8</i>	OWNER <i>same</i>
TYPE OF JOB <i>Surface</i>	
HOLE SIZE <i>12 1/4</i> T.D. <i>325'</i>	CEMENT
CASING SIZE <i>8 7/8</i> DEPTH <i>325'</i>	AMOUNT ORDERED <i>225 sks com</i>
TUBING SIZE DEPTH	<i>3 1/2 cc 2 1/2 g ec</i>
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <i>225 sks @ 17.90 4027.50</i>
MEAS. LINE SHOE JOINT	POZMIX @ <i>03.50</i>
CEMENT LEFT IN CSG. <i>15'</i>	GEL <i>8 sks @ 23.40 187.20</i>
PERFS.	CHLORIDE <i>8 sks @ 64.00 512.00</i>
DISPLACEMENT <i>19.74 BBL</i>	ASC @
EQUIPMENT	@

PUMP TRUCK CEMENTER <i>Andrej Fostind</i>
<i>431</i> HELPER <i>Talen Jones</i>
BULK TRUCK
<i>818</i> DRIVER <i>Adam Flipe</i>
BULK TRUCK
DRIVER

HANDLING <i>243.25 cu/ft @ 2.48 603.26</i>
MILEAGE <i>2.60 70¢/mile 11.10 777.00</i>
TOTAL <i>5493.76</i>

REMARKS:

Cement did circulate

thank you

CHARGE TO: *American warrior*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <i>325'</i>	
PUMP TRUCK CHARGE <i>1512.25</i>	
EXTRA FOOTAGE @	
MILEAGE <i>9 miles @ 7.70 69.30</i>	
MANIFOLD <i>head @ 225.00</i>	
<i>Light vehicle @ 4.40 39.60</i>	
TOTAL <i>1896.15</i>	

PLUG & FLOAT EQUIPMENT

<i>8 7/8</i>	
<i>1 wooden surface plug @ 110.00</i>	
@	
@	
@	
@	
TOTAL <i>110.00</i>	

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 *Steve Stephens*

SIGNATURE *Steve Stephens*

SALES TAX (if Any) _____

TOTAL CHARGES *7,499.91*

DISCOUNT *1,847.47* IF PAID IN 30 DAYS

5,652.43 Net.



CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 25428

SERVICE LOCATIONS 1. Hays KS WELL/PROJECT NO. 5-22 LEASE Scheetz COUNTY/PARISH Logan STATE KS CITY DATE 3-14-14 OWNER
 2. Ness City KS TICKET TYPE SERVICE CONTRACTOR Duke RIG NAME/NO. 8 SHIPPED VIA GT DELIVERED TO Location ORDER NO.
 3. WELL TYPE 0.1 WELL CATEGORY Development JOB PURPOSE 5 1/2 long string WELL PERMIT NO. WELL LOCATION Sec 22, Twp 11s, R 33w
 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 #113	100	mi			6.00	600.00
578		1			Pump Charge Longstring	1	ea			1500.00	1500.00
221		1			Liquid KLL	2	gal			25.00	50.00
281		1			Mud flush	500	gal			1.25	625.00
290		1			D-Air	2	gal			42.00	84.00
402		1			Centralizers	10	ea	5 1/2"		70.00	700.00
403		1			Cement Basket	2	ea			300.00	600.00
404		1			Port Collar 2616"	1	ea			2900.00	2900.00
406		1			Latch Down Plug + Baffle	1	ea			275.00	275.00
407		1			Insert Float Shoe w/ Auto Fill	1	ea			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 3-14-14 TIME SIGNED 1:00 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	7709.00
WE UNDERSTOOD AND MET YOUR NEEDS?				P2	5389.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	13,098.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Logan TAX 7.665%	744.46
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	13,842.46
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-14-14 PAGE NO.

CUSTOMER American Warrior WELL NO. 5-22 LEASE Scheetz JOB TYPE 5 1/2 long string TICKET NO. 25428

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							on location
								TD 4800 SS 21
								TP 4786 Insert 4765
								PL top #52 2616' 5 1/2 x 15.5"
								centralizers 1-6, 8, 10, 12, 52 Baskets 5, 52
	1815							Start pipe
	2000							Drop Ball Break circulation
	2100		7/5					plug AH 30 sks, MH 15 sks
	2110	5	12				300	Start Mod Flush
		5	20				300	Start KCL Flush
		5	32				200	Start cement 130 sks EA2
	2140							Drop Plug wash out Pump + Lines
	2143	6						Start Displacement
	2200		113.4				800 / 1500	land Plug
								Release Dry
								Wash up Back up
	2245							Job Complete Thank You Josh, Brian, Rob



CHARGE TO: American warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 25432

PAGE 1 OF 1

SERVICE LOCATIONS 1. Haggles WELL/PROJECT NO. 522 LEASE Scheetz COUNTY/PARISH Logan STATE Ks CITY DATE 3-24-14 OWNER
 2. Ness City Ks TICKET TYPE SERVICE CONTRACTOR RIG NAME/NO. SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Ocl WELL CATEGORY Development JOB PURPOSE Port Collar WELL PERMIT NO. WELL LOCATION Oakley SW, 2 1/2 S, W 10 N
 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 # 112	80		mi		6.00	480.00
576 D		1			Pump Charge Port Collar	1		ea		1500.00	1500.00
290		1			D-Air	2		gal		42.00	84.00
104		1			Port Collar Tool Rental	1		ea		250.00	250.00
330		2			Swift Multi Density	200		sk		18.50	3700.00
276		2			Flocele	75		lbs		2.50	187.50
581		2			Service Charge Cement	300		sk		2.00	600.00
583		2			Drayage	1198.5		fm		1.00	1198.50

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
 DATE SIGNED 3-24-14 TIME SIGNED 0900 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	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				8000	00
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Logan TAX 7.65%	322.94
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	8322.94
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-24-14 PAGE NO.

CUSTOMER AWE WELL NO. 522 LEASE Scheetz JOB TYPE 5 1/2 Port collar TICKET NO. 25432

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							on location
								PC @ 2616
	0910						1000	Pressure test hold
	0920	3.5			✓		200	Open Port collar Injection Base
	0940	4			✓		600	Start cement
		4	5		✓		600	Get circulation
		4	95		✓		700	Circulate cement 175 sks
		4	102		✓		700	mix 25 sks @ 14#/gal
	1005	4	9		✓		700	Start Displacement
								Close PC
	1015				✓		1000	Pressure test
								Run 5 joints
	1030		30		✓			Reverse out Clean
								wash up Back up
	1115							Job complete Thank You Josh, Brian, John
								mixed 200 sks 20 sks to pit



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Scott Alberg

Scheetz #5-22

22-11s-33w Logan,KS

Start Date: 2014.03.09 @ 06:05:00

End Date: 2014.03.09 @ 14:09:12

Job Ticket #: 56648 DST #: 1

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

Printed: 2014.03.19 @ 17:27:59

American Warrior
22-11s-33w Logan,KS
Scheetz #5-22
DST # 1
A - B Lansing
2014.03.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
 PO Box 399
 Garden City, KS 67846
 ATTN: Scott Alberg

22-11s-33w Logan,KS

Scheetz #5-22

Job Ticket: 56648

DST#: 1

Test Start: 2014.03.09 @ 06:05:00

GENERAL INFORMATION:

Formation: **A - B Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:58:18
 Time Test Ended: 14:09:12
 Interval: **4096.00 ft (KB) To 4140.00 ft (KB) (TVD)**
 Total Depth: 4140.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 3151.00 ft (KB)
 3143.00 ft (CF)
 KB to GR/CF: 8.00 ft

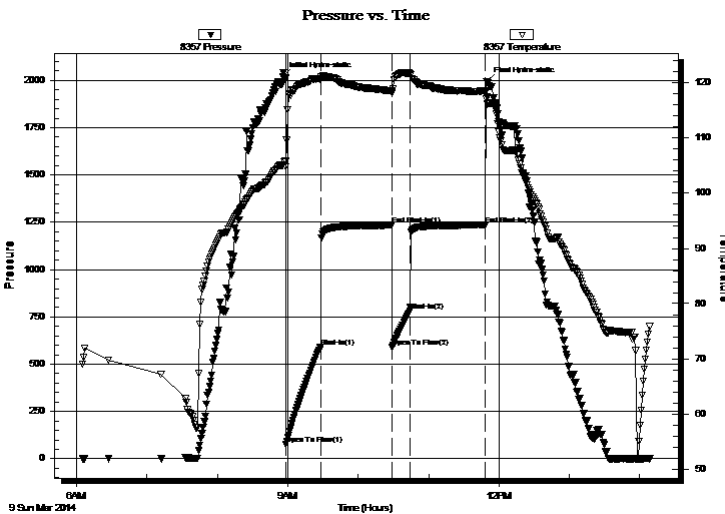
Serial #: 8357

Inside

Press@RunDepth: 780.46 psig @ 4098.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.09 End Date: 2014.03.09 Last Calib.: 2014.03.09
 Start Time: 06:05:05 End Time: 14:09:12 Time On Btm: 2014.03.09 @ 08:55:48
 Time Off Btm: 2014.03.09 @ 11:49:30

TEST COMMENT: 30- B.O.B. @ 2 1/2 min. Tool slid 3-4'.
 60- No return.
 15- B.O.B. @ 3 min.
 60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.13	105.09	Initial Hydro-static
3	76.92	104.85	Open To Flow (1)
33	591.84	120.81	Shut-In(1)
93	1235.32	118.52	End Shut-In(1)
94	590.98	118.17	Open To Flow (2)
109	780.46	121.74	Shut-In(2)
173	1235.48	118.55	End Shut-In(2)
174	1995.09	117.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1003.00	MW 5m 95w	14.22
314.00	MW 15m 85w	4.45
344.00	MW 45m 55w	4.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56648

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.03.09 @ 06:05:00

Tool Information

Drill Pipe:	Length: 4075.00 ft	Diameter: 3.82 inches	Volume: 57.76 bbl	Tool Weight:	2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 57.76 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.50 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4096.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	71.50 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			4069.50	
Shut In Tool	5.00			4074.50	
Hydraulic tool	5.00			4079.50	
Jars	5.00			4084.50	
Safety Joint	2.50			4087.00	
Packer	5.00			4092.00	27.50 Bottom Of Top Packer
Packer	4.00			4096.00	
Stubb	1.00			4097.00	
Perforations	1.00			4098.00	
Recorder	0.00	8357	Inside	4098.00	
Recorder	0.00	8645	Outside	4098.00	
Perforations	6.00			4104.00	
Change Over Sub	1.00			4105.00	
Drill Pipe	31.00			4136.00	
Change Over Sub	1.00			4137.00	
Bullnose	3.00			4140.00	44.00 Bottom Packers & Anchor
Total Tool Length:	71.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56648

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.03.09 @ 06:05:00

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:

52000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1003.00	MW 5m 95w	14.218
314.00	MW 15m 85w	4.451
344.00	MW 45m 55w	4.876

Total Length: 1661.00 ft Total Volume: 23.545 bbl

Num Fluid Samples: 0

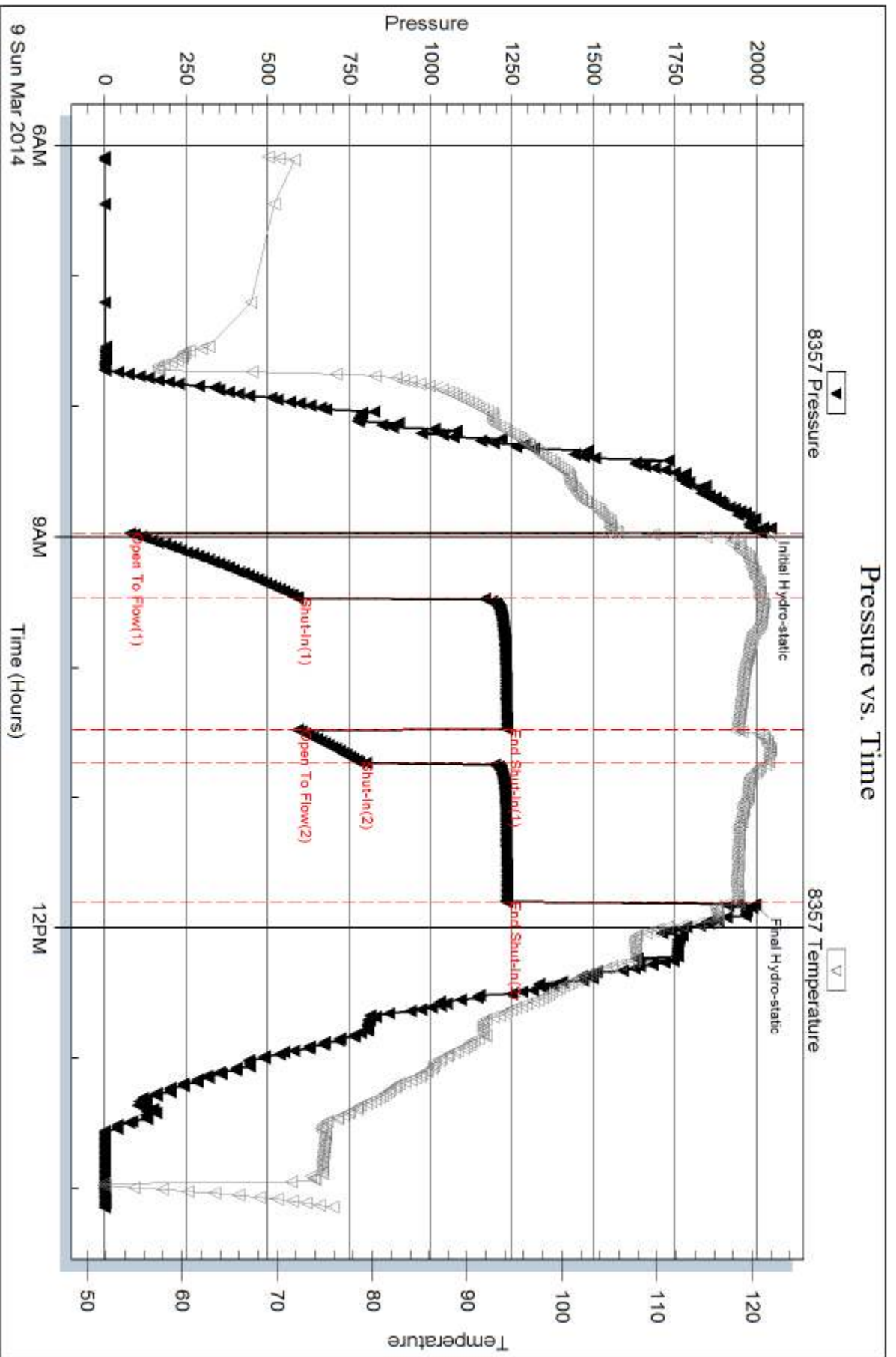
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .155 @ 62 Degrees F = 52000 PPM

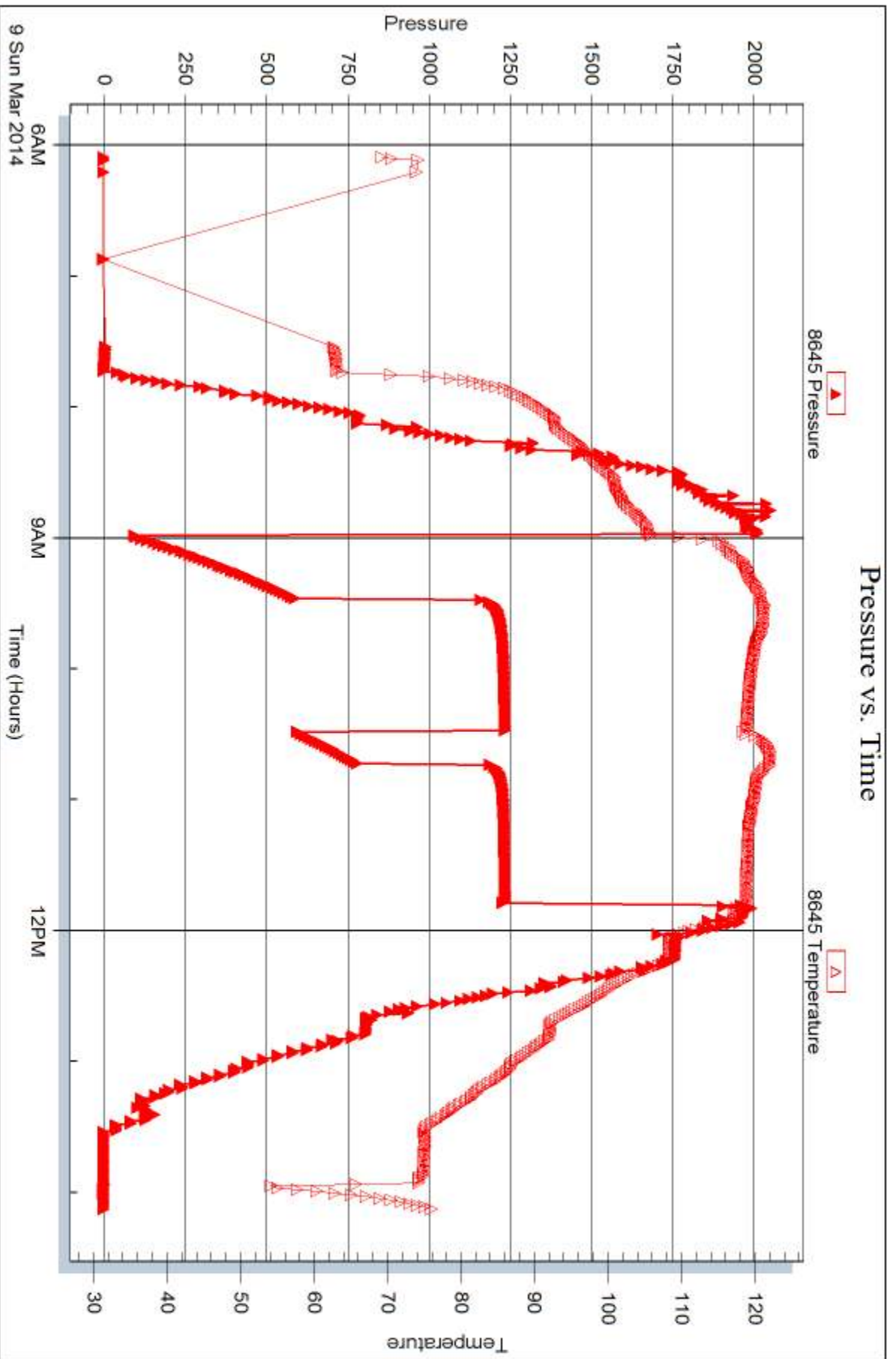


Serial #: 8645

Outside American Warrior

Scheetz #5-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56648

Printed: 2014.03.19 @ 17:28:01



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Scott Alberg

Scheetz #5-22

22-11s-33w Logan,KS

Start Date: 2014.03.10 @ 08:04:00

End Date: 2014.03.10 @ 14:21:24

Job Ticket #: 56649 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.19 @ 17:27:34



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior
 PO Box 399
 Garden City, KS 67846
 ATTN: Scott Alberg

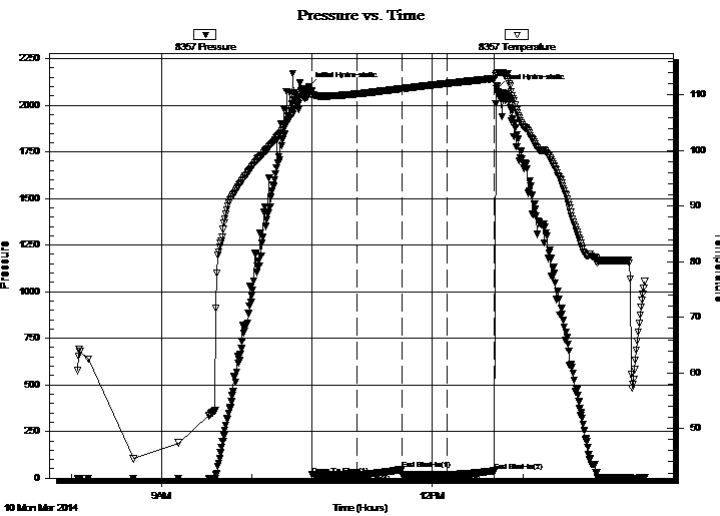
22-11s-33w Logan, KS
Scheetz #5-22
 Job Ticket: 56649 **DST#: 2**
 Test Start: 2014.03.10 @ 08:04:00

GENERAL INFORMATION:

Formation: **'H' Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:39:54
 Time Test Ended: 14:21:24
Interval: 4227.00 ft (KB) To 4262.00 ft (KB) (TVD)
 Total Depth: 4262.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 3151.00 ft (KB)
 3143.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8357 Inside
 Press@RunDepth: 19.35 psig @ 4230.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.10 End Date: 2014.03.10 Last Calib.: 2014.03.10
 Start Time: 08:04:05 End Time: 14:21:24 Time On Btm: 2014.03.10 @ 10:37:36
 Time Off Btm: 2014.03.10 @ 12:42:42

TEST COMMENT: Weak surface blow .
 No return.
 No blow .
 No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.41	110.82	Initial Hydro-static
3	17.49	109.78	Open To Flow (1)
32	19.31	110.18	Shut-In(1)
63	47.89	111.14	End Shut-In(1)
63	19.04	111.13	Open To Flow (2)
93	19.35	112.07	Shut-In(2)
124	39.35	112.95	End Shut-In(2)
126	2090.45	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	M 100m Oil spots	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56649

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.03.10 @ 08:04:00

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.82 inches	Volume: 59.93 bbl	Tool Weight:	2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 59.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.50 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4227.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	62.50 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			4200.50	
Shut In Tool	5.00			4205.50	
Hydraulic tool	5.00			4210.50	
Jars	5.00			4215.50	
Safety Joint	2.50			4218.00	
Packer	5.00			4223.00	27.50 Bottom Of Top Packer
Packer	4.00			4227.00	
Stubb	1.00			4228.00	
Perforations	2.00			4230.00	
Recorder	0.00	8357	Inside	4230.00	
Recorder	0.00	8645	Outside	4230.00	
Perforations	29.00			4259.00	
Bullnose	3.00			4262.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56649

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.03.10 @ 08:04:00

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: 61.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	M 100m Oil spots	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

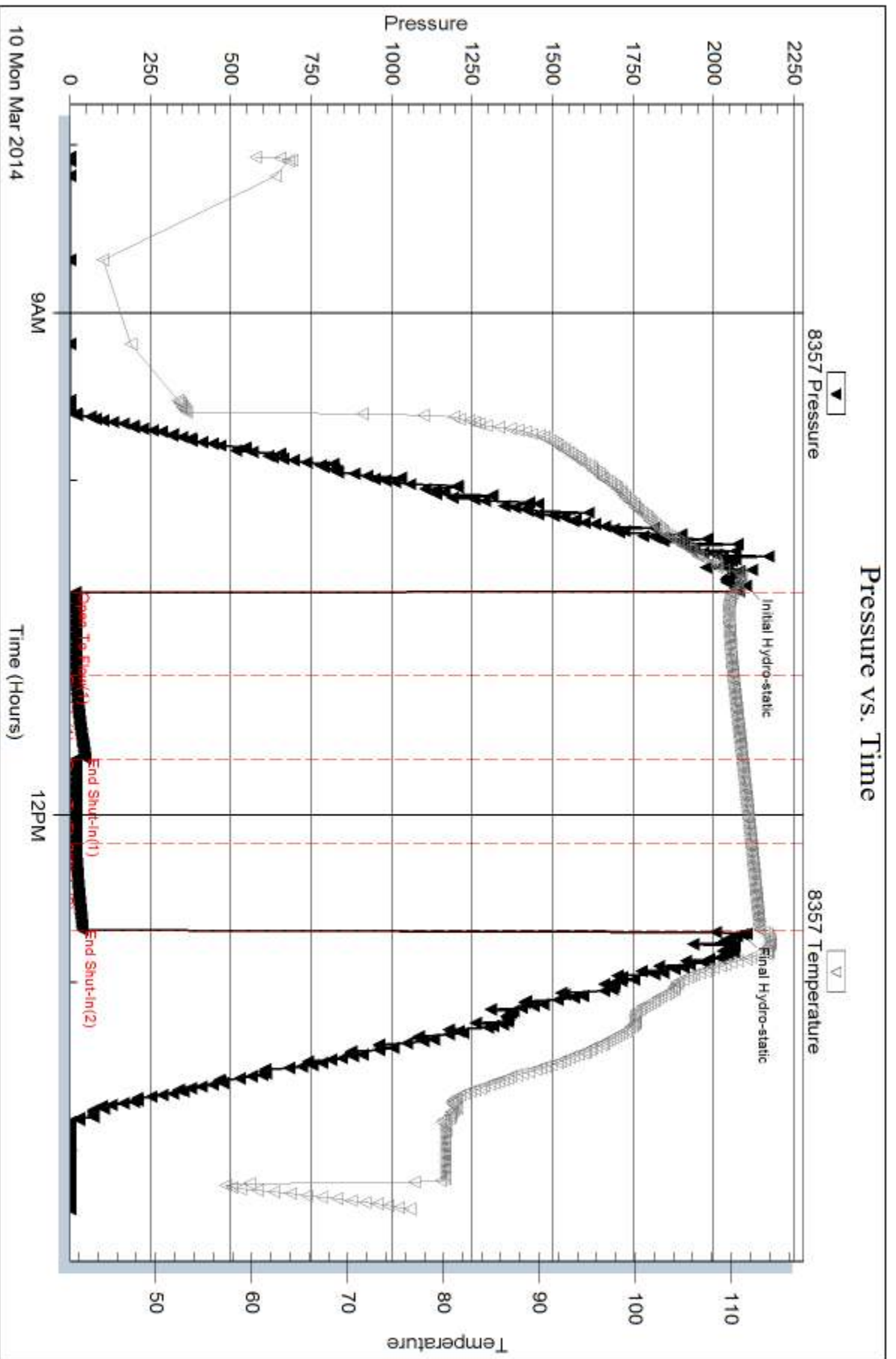
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8645

Outside American Warrior

Scheetz #5-22

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 56649

Printed: 2014.03.19 @ 17:27:37



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Scott Alberg

Scheetz #5-22

22-11s-33w Logan,KS

Start Date: 2014.03.11 @ 00:45:00

End Date: 2014.03.11 @ 09:11:06

Job Ticket #: 56650 DST #: 3

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

Printed: 2014.03.19 @ 17:26:03

American Warrior
22-11s-33w Logan,KS
Scheetz #5-22
DST # 3
I-J Lansing
2014.03.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Scott Alberg

22-11s-33w Logan, KS

Scheetz #5-22

Job Ticket: 56650

DST#: 3

Test Start: 2014.03.11 @ 00:45:00

GENERAL INFORMATION:

Formation: **'I- J' Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:42

Time Test Ended: 09:11:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4260.00 ft (KB) To 4314.00 ft (KB) (TVD)

Total Depth: 4314.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3151.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8357

Inside

Press@RunDepth: 41.41 psig @ 4262.00 ft (KB)

Start Date: 2014.03.11

End Date:

2014.03.11

Start Time: 00:45:05

End Time:

09:11:06

Capacity: 8000.00 psig

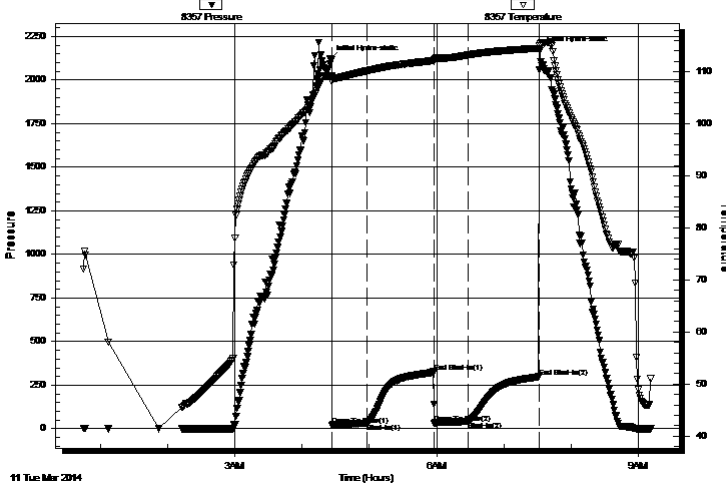
Last Calib.: 2014.03.11

Time On Btm: 2014.03.11 @ 04:25:12

Time Off Btm: 2014.03.11 @ 07:32:06

TEST COMMENT: 4" Blow .
No return.
6" Blow .
No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.57	109.12	Initial Hydro-static
2	21.24	108.07	Open To Flow (1)
33	31.17	110.15	Shut-In(1)
93	326.59	112.13	End Shut-In(1)
93	29.81	112.35	Open To Flow (2)
124	41.41	113.21	Shut-In(2)
186	297.46	114.50	End Shut-In(2)
187	2169.40	115.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GOCM 5g 5o 90m	0.71
0.00	70' Weak GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Scott Alberg

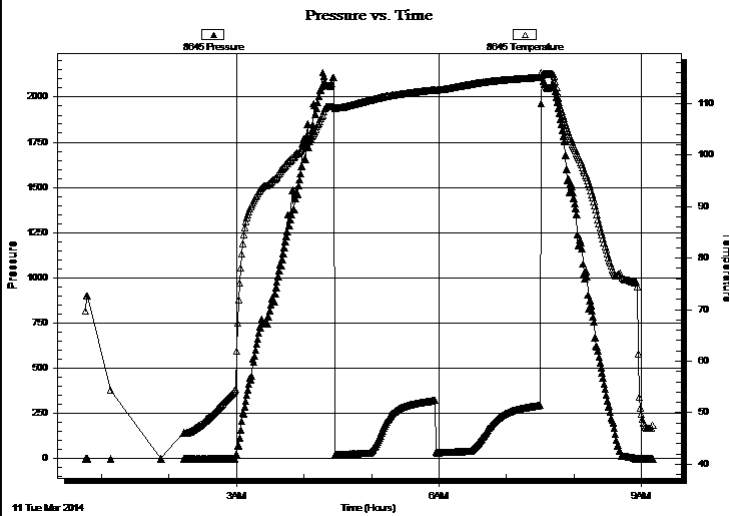
22-11s-33w Logan, KS
Scheetz #5-22
Job Ticket: 56650 **DST#: 3**
Test Start: 2014.03.11 @ 00:45:00

GENERAL INFORMATION:

Formation: **'I- J' Lansing**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 04:26:42 Tester: Chuck Smith
Time Test Ended: 09:11:06 Unit No: 62
Interval: 4260.00 ft (KB) To 4314.00 ft (KB) (TVD) Reference Elevations: 3151.00 ft (KB)
Total Depth: 4314.00 ft (KB) (TVD) 3143.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8645 Outside
Press@RunDepth: psig @ 4262.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.11 End Date: 2014.03.11 Last Calib.: 2014.03.11
Start Time: 00:45:50 End Time: 09:10:09 Time On Btm:
Time Off Btm:

TEST COMMENT: 4" Blow .
No return.
6" Blow .
No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GOCM 5g 5o 90m	0.71
0.00	70' Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56650

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.03.11 @ 00:45:00

Tool Information

Drill Pipe:	Length: 4263.00 ft	Diameter: 3.82 inches	Volume: 60.43 bbl	Tool Weight: 2300.00 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: 65000.00 lb
			<u>Total Volume: 60.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.50 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4260.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	81.50 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			4233.50	
Shut In Tool	5.00			4238.50	
Hydraulic tool	5.00			4243.50	
Jars	5.00			4248.50	
Safety Joint	2.50			4251.00	
Packer	5.00			4256.00	27.50 Bottom Of Top Packer
Packer	4.00			4260.00	
Stubb	1.00			4261.00	
Perforations	1.00			4262.00	
Recorder	0.00	8357	Inside	4262.00	
Recorder	0.00	8645	Outside	4262.00	
Perforations	16.00			4278.00	
Change Over Sub	1.00			4279.00	
Drill Pipe	31.00			4310.00	
Change Over Sub	1.00			4311.00	
Bullnose	3.00			4314.00	54.00 Bottom Packers & Anchor
Total Tool Length:	81.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56650

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.03.11 @ 00:45:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	GOCM 5g 5o 90m	0.709
0.00	70' Weak GIP	0.000

Total Length: 50.00 ft Total Volume: 0.709 bbl

Num Fluid Samples: 0

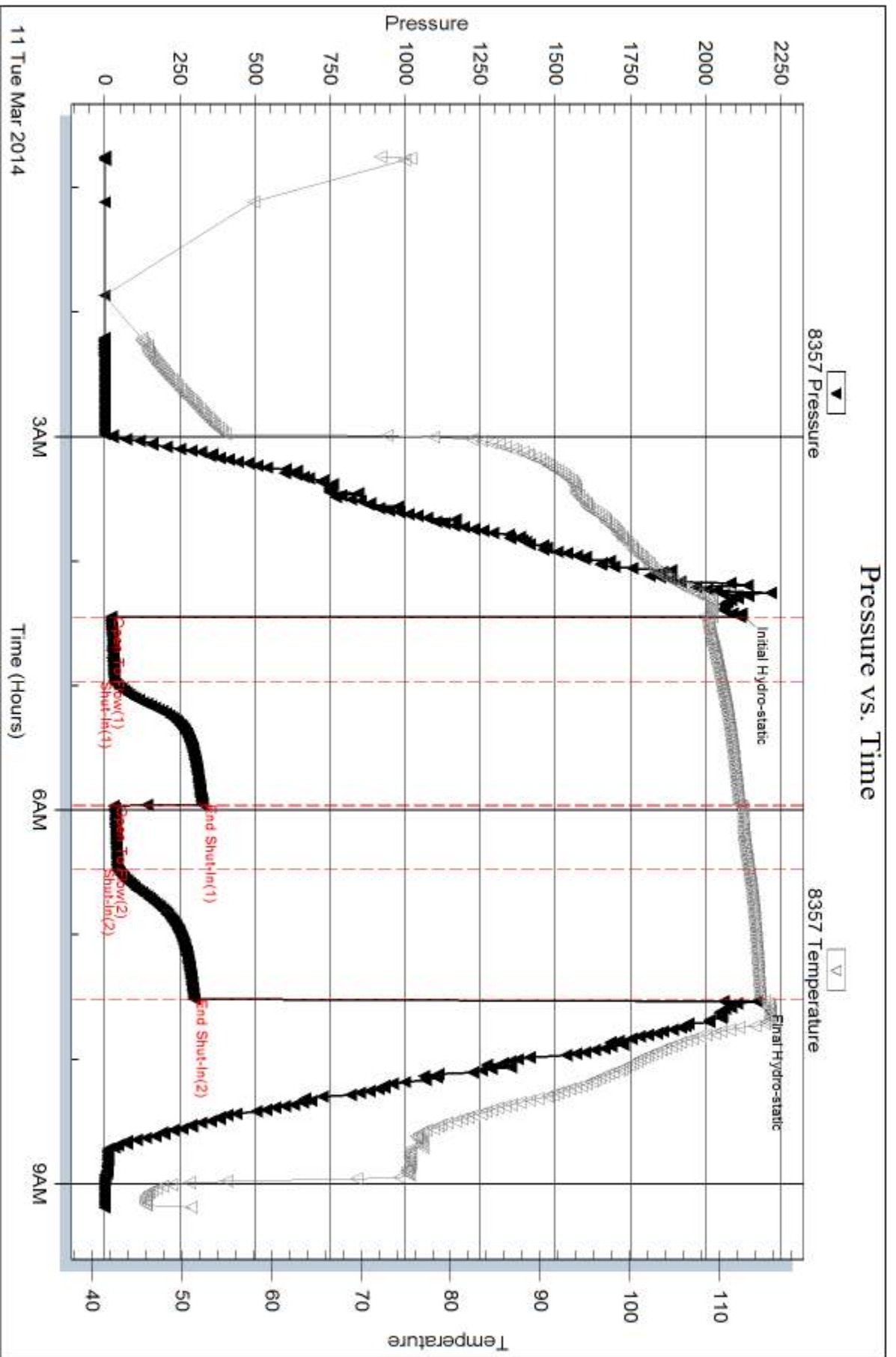
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

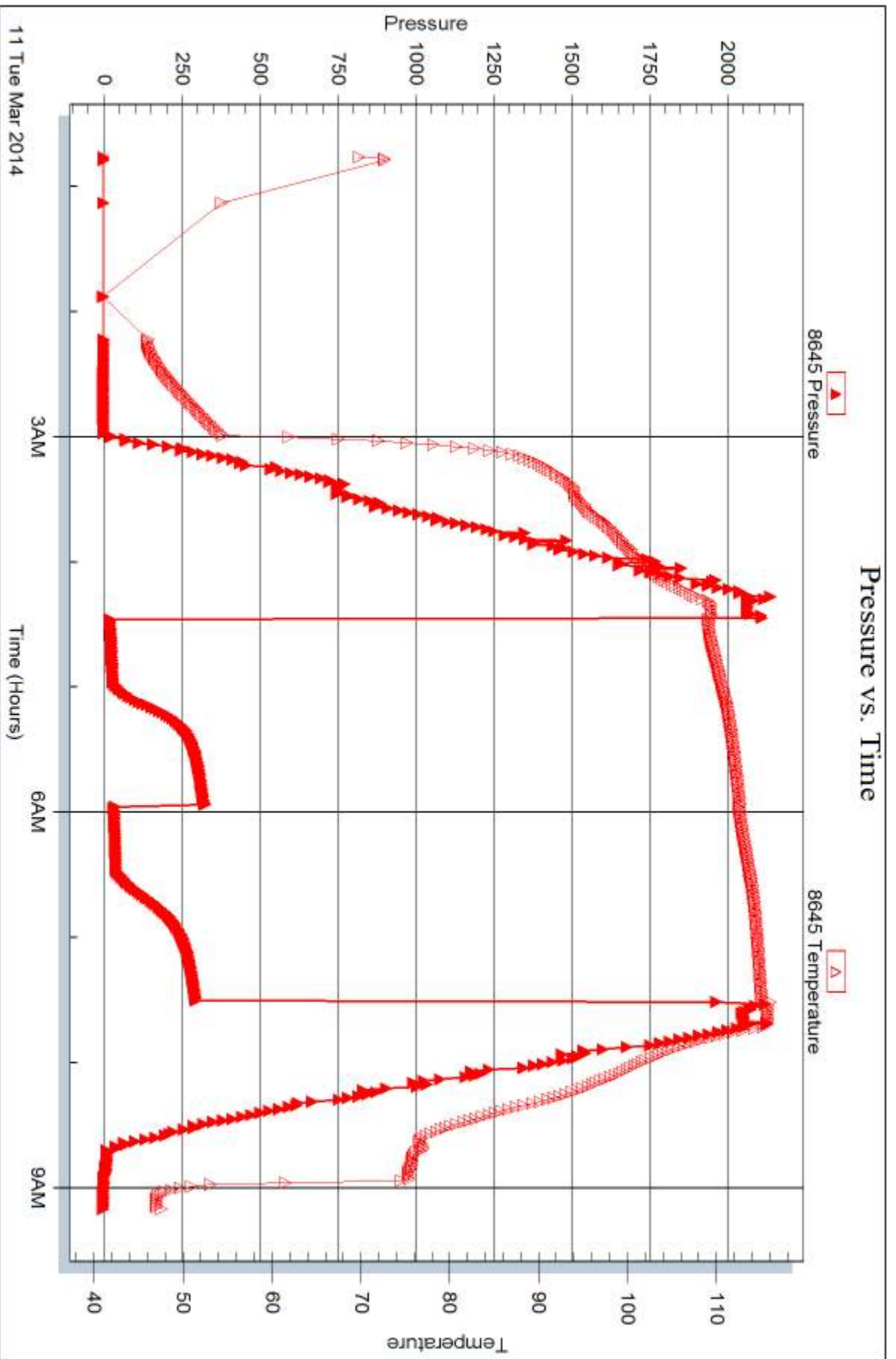


Serial #: 8645

Outside American Warrior

Scheetz #-5-22

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56650

Printed: 2014.03.19 @ 17:26:06



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Scott Alberg

Scheetz #5-22

22-11s-33w Logan,KS

Start Date: 2014.03.13 @ 04:34:00

End Date: 2014.03.13 @ 13:20:05

Job Ticket #: 56252 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.19 @ 17:25:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Scott Alberg

22-11s-33w Logan,KS

Scheetz #5-22

Job Ticket: 56252

DST#: 4

Test Start: 2014.03.13 @ 04:34:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:50:48
 Time Test Ended: 13:20:05
 Interval: **4592.00 ft (KB) To 4670.00 ft (KB) (TVD)**
 Total Depth: 4670.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 3151.00 ft (KB)
 3143.00 ft (CF)
 KB to GR/CF: 8.00 ft

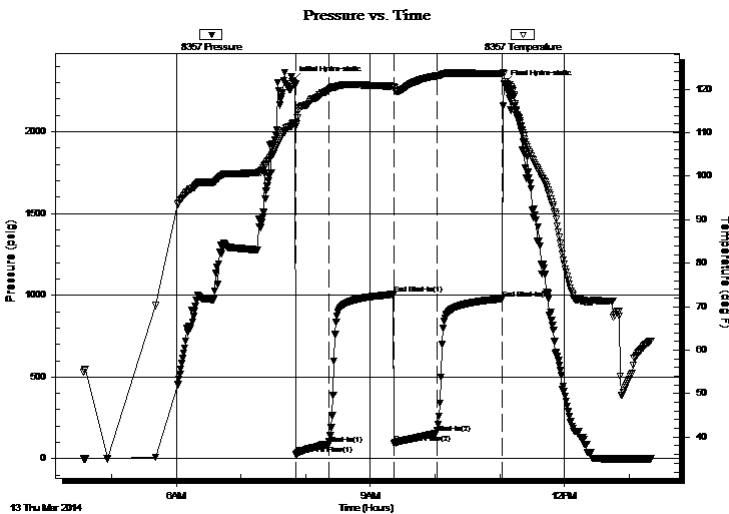
Serial #: 8357

Inside

Press@RunDepth: 155.02 psig @ 4596.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.13 End Date: 2014.03.13 Last Calib.: 2014.03.13
 Start Time: 04:34:05 End Time: 13:20:06 Time On Btm: 2014.03.13 @ 07:48:00
 Time Off Btm: 2014.03.13 @ 11:03:54

TEST COMMENT: B.O.B. @ 11 1/2 min.
 1" Return.
 B.O.B. @ 7 1/2 min.
 B.O.B. @ 25 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.97	112.23	Initial Hydro-static
3	25.02	111.44	Open To Flow (1)
34	88.61	119.73	Shut-In(1)
94	1004.84	120.64	End Shut-In(1)
95	94.55	120.27	Open To Flow (2)
134	155.02	123.04	Shut-In(2)
195	978.21	123.54	End Shut-In(2)
196	2290.52	123.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCM 20g 25o 55m	1.76
126.00	GMCO 30g 12m 58o	1.79
82.00	GMCO 7g 13m 80o	1.16
0.00	536' Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56252

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.03.13 @ 04:34:00

Tool Information

Drill Pipe:	Length: 4583.00 ft	Diameter: 3.82 inches	Volume: 64.97 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 64.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.50 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4592.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.50 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			4565.50	
Shut In Tool	5.00			4570.50	
Hydraulic tool	5.00			4575.50	
Jars	5.00			4580.50	
Safety Joint	2.50			4583.00	
Packer	5.00			4588.00	27.50 Bottom Of Top Packer
Packer	4.00			4592.00	
Stubb	1.00			4593.00	
Perforations	3.00			4596.00	
Recorder	0.00	8357	Inside	4596.00	
Recorder	0.00	8645	Outside	4596.00	
Perforations	6.00			4602.00	
Change Over Sub	1.00			4603.00	
Drill Pipe	63.00			4666.00	
Change Over Sub	1.00			4667.00	
Bullnose	3.00			4670.00	78.00 Bottom Packers & Anchor
Total Tool Length:	105.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

22-11s-33w Logan,KS

PO Box 399
Garden City, KS 67846

Scheetz #5-22

Job Ticket: 56252

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.03.13 @ 04:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	GOCM 20g 25o 55m	1.758
126.00	GMCO 30g 12m 58o	1.786
82.00	GMCO 7g 13m 80o	1.162
0.00	536' Weak GIP	0.000

Total Length: 332.00 ft Total Volume: 4.706 bbl

Num Fluid Samples: 0

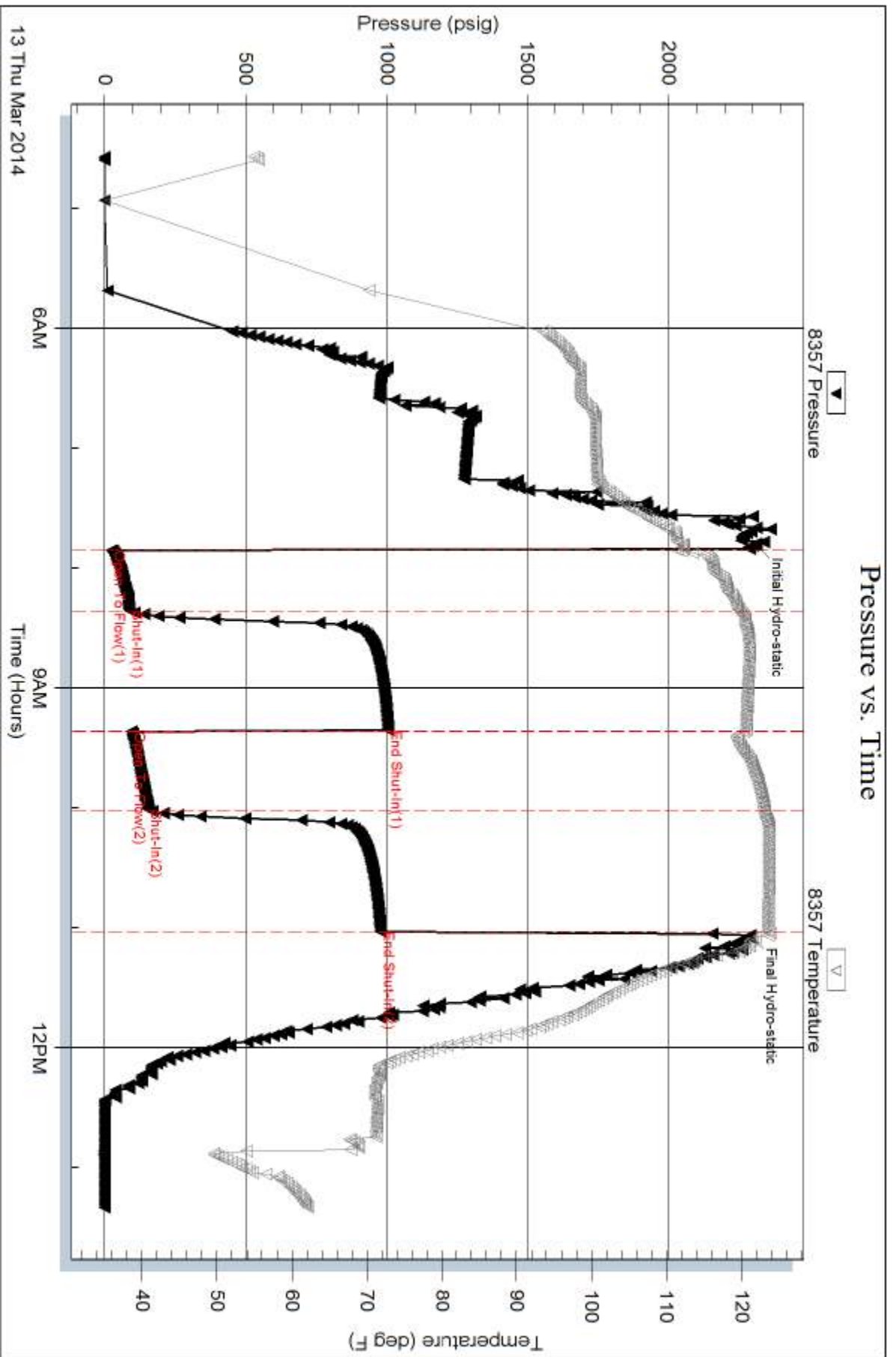
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 31 @ 60 Degrees F = 31.

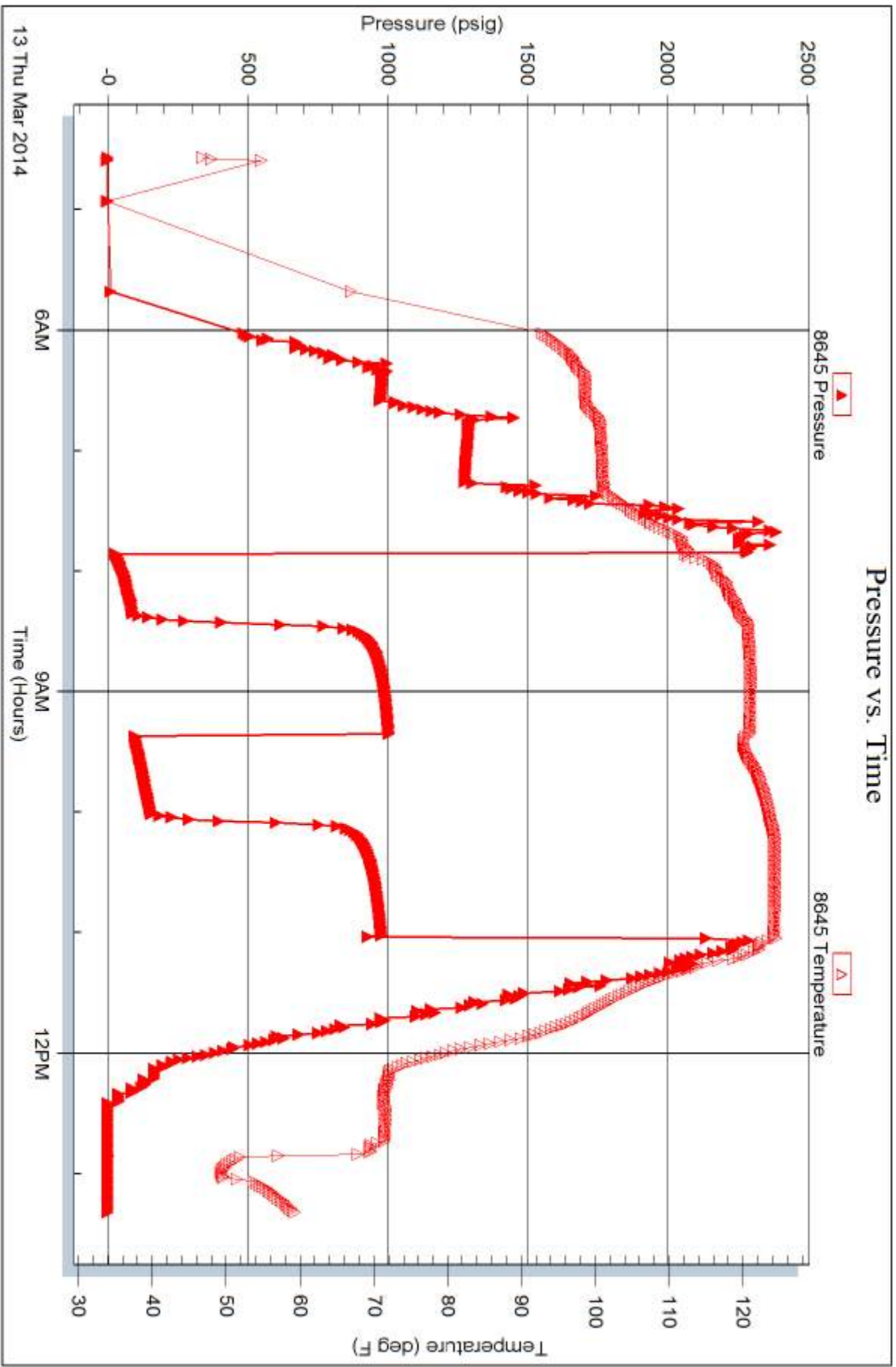


Serial #: 8645

Outside American Warrior

Scheetz #5-22

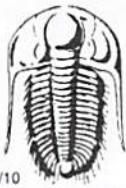
DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56252

Printed: 2014.03.19 @ 17:25:28



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56648

4/10

Well Name & No. Scheetz #5-22 Test No. 1 Date 3-9-14
 Company American Warrior, Inc. Elevation 3151 KB 3143 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Scott Alberg Rig Duke #8
 Location: Sec. 22 Twp. 11s Rge. 33w Co. Logan State KS

Interval Tested #4082-4096-4140 Zone Tested A-B Lansing
 Anchor Length 44 Drill Pipe Run 4075 Mud Wt. 9.1
 Top Packer Depth 4092 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 4096 Wt. Pipe Run 0 WL 9.6
 Total Depth 4140 Chlorides 5000 ppm System LCM 1"
 Blow Description B.O.B. @ 2 1/2 min Tool slid 3-4'
No return.
B.O.B. @ 3 min.
No return.

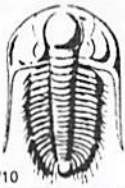
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>344</u>	Feet of <u>MW</u>	%gas	%oil <u>55</u>	%water <u>45</u>	%mud
Rec <u>314</u>	Feet of <u>MW</u>	%gas	%oil <u>85</u>	%water <u>15</u>	%mud
Rec <u>1003</u>	Feet of <u>MW</u>	%gas	%oil <u>95</u>	%water <u>5</u>	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1661 BHT 118 Gravity — API RW 155 @ 62 ° F Chlorides 52000 ppm

(A) Initial Hydrostatic <u>2020</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>5:30</u>
(B) First Initial Flow <u>77</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:05</u>
(C) First Final Flow <u>592</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:58</u>
(D) Initial Shut-In <u>1235</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>11:48</u>
(E) Second Initial Flow <u>591</u>	<input checked="" type="checkbox"/> Hourly Standby <u>NIA</u>	T-Out <u>14:09</u>
(F) Second Final Flow <u>780</u>	<input checked="" type="checkbox"/> Mileage <u>110RT</u> <u>170.50</u>	Comments _____
(G) Final Shut-In <u>1235</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1995</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1745.50</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1745.50</u>	

Approved By [Signature] Our Representative Chuck Smith

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56649

4/10

Well Name & No. Scheetz #5-22 Test No. 2 Date 3-10-14
 Company American Warrior Inc. Elevation 3151 KB 3143 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Scott Alberg Rig Duke #8
 Location: Sec. 22 Twp. 11s Rge. 33w Co. Logan State KS

Interval Tested 4227-4262 Zone Tested H Lansing
 Anchor Length 35 Drill Pipe Run 4228 Mud Wt. 9.2
 Top Packer Depth 4223 Drill Collars Run 0 Vis 61
 Bottom Packer Depth 4227 Wt. Pipe Run 0 WL 9.6
 Total Depth 4262 Chlorides 5200 ppm System LCM 1#

Blow Description Weak surface blow
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>1</u>	Feet of <u>M oilspots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

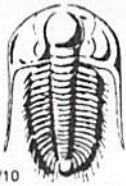
Rec Total 1 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2101</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>7:55</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:04</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:40</u>
(D) Initial Shut-In <u>48</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>12:41</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:21</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>170.50</u>	Comments
(G) Final Shut-In <u>39</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2090</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30 Shale Packer
 Initial Shut-In 30 Extra Packer
 Final Flow 30 Extra Recorder
 Final Shut-In 30 Day Standby
 Accessibility
 Sub Total 1745.50

Approved By Scott Alberg Our Representative Chuck Smith

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56650

Well Name & No. Scheetz #5-22 Test No. 3 Date 3-11-14
 Company American Warrior, Inc. Elevation 3151 KB 3143 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Scott Alberg Rig Duke #8
 Location: Sec. 22 Twp. 11s Rge. 33W Co. Logan State Ks

Interval Tested 4260-4314 Zone Tested 'I, J' Lansing
 Anchor Length 54 Drill Pipe Run 4263 Mud Wt. 9.2
 Top Packer Depth 4256 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4260 Wt. Pipe Run 0 WL 8.0
 Total Depth 4314 Chlorides 5000 ppm System LCM 1
 Blow Description 4" Blow
No return.
6" Blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>50</u>	Feet of <u>600m</u>	<u>5</u> %gas	<u>5</u> %oil	%water	<u>90</u> %mud
Rec	Feet of <u>70' weak GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2120</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>00:40</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:45</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:27</u>
(D) Initial Shut-In <u>327</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>07:31</u>
(E) Second Initial Flow <u>30</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:11</u>
(F) Second Final Flow <u>41</u>	<input checked="" type="checkbox"/> Mileage <u>170.50</u>	Comments
(G) Final Shut-In <u>297</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2169</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1745.50</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1745.50</u>	

Approved By [Signature] Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56252**

4/10

Well Name & No. Scheetz # 5-22 Test No. 4 Date 3-13-14
 Company American Warrior, Inc. Elevation 3151 KB 3143 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Scott Alberg Rig Duke #8
 Location: Sec. 22 Twp. 11s Rge. 33w Co. Logan State KS

Interval Tested ~~4292~~ 4592-4670 Zone Tested Johnson
 Anchor Length 78 Drill Pipe Run 4583 Mud Wt. 9.3
 Top Packer Depth 4588 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4592 Wt. Pipe Run 0 WL 9.6
 Total Depth 4670 Chlorides 4000 ppm System LCM Trace

Blow Description B.O.B. @ 11 1/2 min.
1" Return.

B.O.B. @ 7 1/2 min.

B.O.B. @ 25 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>82</u>	<u>Feet of GMCO</u>	<u>7</u>	<u>80</u>	<u>13</u>	<u>13</u>
<u>126</u>	<u>Feet of GMCO</u>	<u>30</u>	<u>58</u>	<u>12</u>	<u>12</u>
<u>124</u>	<u>Feet of GOCM</u>	<u>20</u>	<u>25</u>	<u>55</u>	<u>55</u>
<u> </u>	<u>Feet of 536' Weak GIP</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u>Feet of</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 332 BHT 124 Gravity 31 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2312 Test 1250 T-On Location 4:25
 (B) First Initial Flow 25 Jars 250 T-Started 4:34
 (C) First Final Flow 89 Safety Joint 75 T-Open 7:51
 (D) Initial Shut-In 1005 Circ Sub NIC T-Pulled 11:02
 (E) Second Initial Flow 95 Hourly Standby T-Out 13:20
 (F) Second Final Flow 155 Mileage 170.50 Comments
 (G) Final Shut-In 978 Sampler
 (H) Final Hydrostatic 2291 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 60 Extra Packer Extra Copies
 Final Flow 40 Extra Recorder Sub Total 0
 Final Shut-In 60 Day Standby Total 1745.50
 Accessibility MP/DST Disc't
 Sub Total 1745.50

Approved By [Signature] Our Representative Chuck Smith

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LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: SHEETZ #5-22
Location: NE NE SW SE
License Number: API: 15-109-21252-00-00
Spud Date: March 1, 2014
Surface Coordinates: 1144' FSL, 1435' FEL Section 22-Twp 11 South - Rge 33 West
Region: Logan County, Kansas
Drilling Completed: March 14, 2014

Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 3143 K.B. Elevation (ft): 3151
Logged Interval (ft): 3700 To: 4800 Total Depth (ft): 4800
Formation: Mississippi
Type of Drilling Fluid: Chemical Mud, Displace at 3448'.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: American Warrior, Inc.
Address: 3118 Cummings RD
PO Box 399
Garden City Kansas 67846

GEOLOGIST

Name: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
ANHYDRITE	2638(+513)	2636(+515)
B/ANHYDRITE	2663(+488)	2661(+490)
HEEBNER	4050(-899)	4049(-898)
TORONTO	4078(-927)	4080(-929)
LANSING	4094(-943)	4092(-945)
B/KC	4387(-1236)	4383(-1232)
LENEPAH	4410(-1259)	4408(-1257)
PAWNEE	4519(-1368)	4516(-1365)
FT SCOTT	4571(-1420)	4570(-1419)
CHEROKEE SHALE	4601(-1450)	4598(-1447)
JOHNSON	4644(-1493)	4644(-1493)
MISSISSIPPIAN	4702(-1551)	4701(-1550)
RTD	4800(-1649)	
LTD		4798(-1647)

COMMENTS

Surface Casing: Set 8 joints new 24#, 8 5/8" at 325', 225 sks common, 3% cc, 2% gel, plug down 10:00 pm on March 1, 2014. Cement did circulate.

Production Casing: 5 1/2" Casing Ran.

Deviation Surveys: 325' - 1/2, 982' - 1/2, 1928' - 1/2, 4140' - 3/4, 3/4 - 4800'.

Contractor Bit Record: 1- 12 1/4 out @ 330'.

2- 7 7/8" out @ 4262'.

3- 7 7/8" out @ 4670'.

4- 7 7/8" out @ 4800'.

Gas Detector: MBC

Mud System: Mud Co, Reid Atkins, Engineer

DSTs: by Trilobite Testing

Logged By Pioneer Energy Services

LTD 4798'.

DSTs

DST #1 - Lansing A & B

Test Interval: 4096 to 4140', Times 30-60-15-60

1st opening - BOB 2 1/2 minutes, no blow back

2nd opening - BOB 3 minutes, no blow back.

Recovery 344' MW (55% W, 45% M), 314' MW (85% W, 15% Mud), 1003' MW (95% W, 5% M)

IHP 2020# FHP 1995#

IFP 77-592# FFP 591-780#

ISIP 1235# FSIP 1235#

Temp 118 - Chlorides 52,000

DST #2 - H Zone,

Test Interval: 4227 to 4262', Times 30-30-30-30

1st Opening - Weak Surface Blow, no blow back.

2nd Opening - No blow, no blow back.

Recovery: 1' Mud with oil spots.

IFP 17-19# FFP 19-19#

ISIP 48# FSIP 39#

IHP 2101# FHP 2090#

Temp 113

DST #3 - I & J Zones

Test Interval 4260 to 4314'; Times 30-60-30-60

1st Opening - Built to 4", no blow back.

2nd Opening - Built to 6", no blow back.

Recovery: 70' GIP, 50' GOCM (5% G, 5% O, 90% M)

IHP 2120# FHP 2169#

IFP 21-31# FFP 30-41#

ISIP 327# FSIP 297#

Temp 115

DST #4 - Johnson Zone

Test Interval 4592 to 4670'; Times 30-60-40-60

1st Opening - BOB 11 1/2 minutes, 1" blow back.

2nd Opening - BOB 7 1/2 minutes, blow back BOB in 24 minutes.

Recovery: 536' Weak GIP, 82' GMCO (7% G, 80% O, 13% M), 126' GMCO (30% G, 58% O, 12% M), 124' GOCM (20% G, 25% O, 55% M), Gravity 31 API

IFP 25-78# FFP 95-155#

ISIP 1005# FSIP 978#

IHP 2312# FHP 2291#

Temp 124


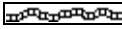
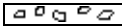

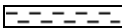








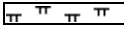
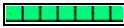








RECOMMENDATIONS

BASED ON SAMPLES SHOWS, STRUCTURAL POSITION, DST RESULTS AND LOG CALCULATIONS, IT WAS RECOMMENDED BY ALL PARTIES THAT THIS TEST WELL HAVE CASING RAN TO FURTHER EVALUATE POTENTIAL PAY ZONES.















































































RESPECTFULLY,

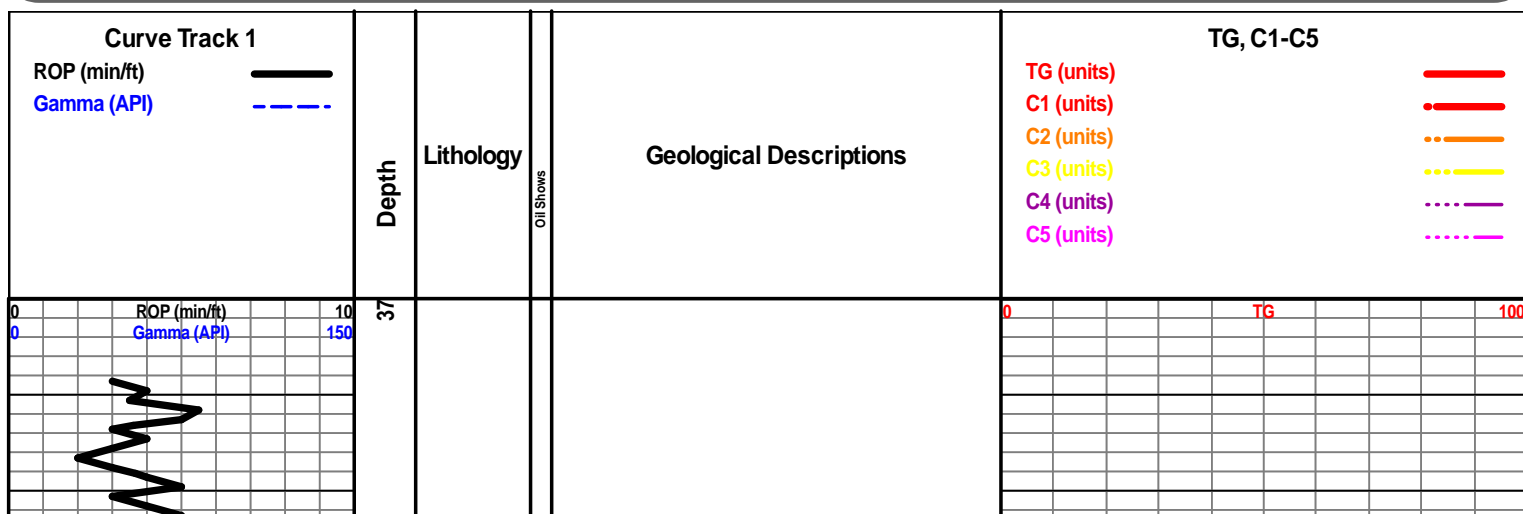
SCOTT ALBERG
PG #54

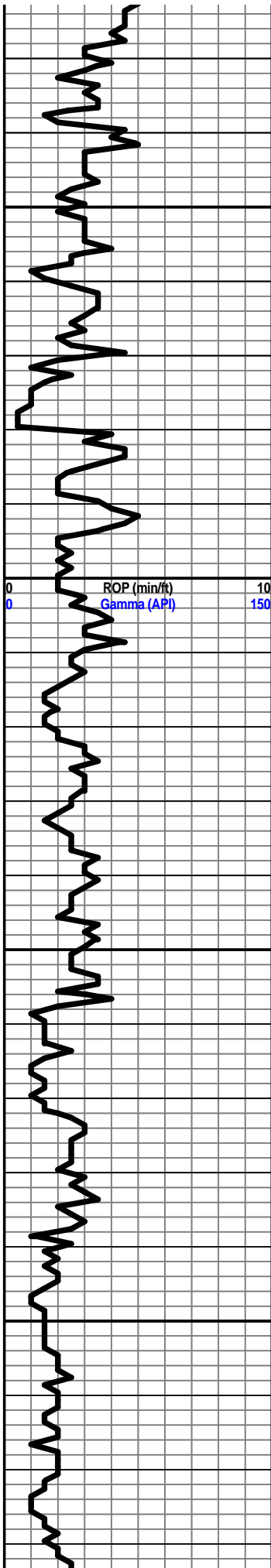
ROCK TYPES

 Anhy  Bent  Brec  Cht  Clyst  Coal	 Congl  Sdy dolo  Shy dolo  Dol  Gyp  Sdy lmst	 Lmst  Mrlst  Salt  Shale  Sltst  Ss	 Black sh  Gry sh  Shale  Shyslstst  Sltsh
--	---	---	---

ACCESSORIES

MINERAL  Anhy  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Ferrpel  Ferr  Glau  Gyp  Marl  Nodule  Phos  Pyr  Salt  Sandy  Silt	 Chlorite  Dol  Sand  Sltly FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite  Ostra	 Pelec  Pellet  Pisolite  Plant  Strom  Fuss  Oomoldic STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst  Sltstrg  Ssstrg  Carbsh  Clystn  Dol	 Grysh  Gryslt  Lms  Sandylms  Sh  Sltstn TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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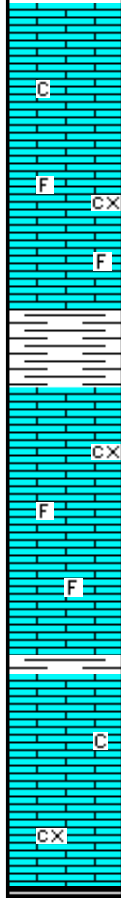


3750

3800

3850

3900



Limestone, cream, tan, finely crystalline, dense, slightly chalky.

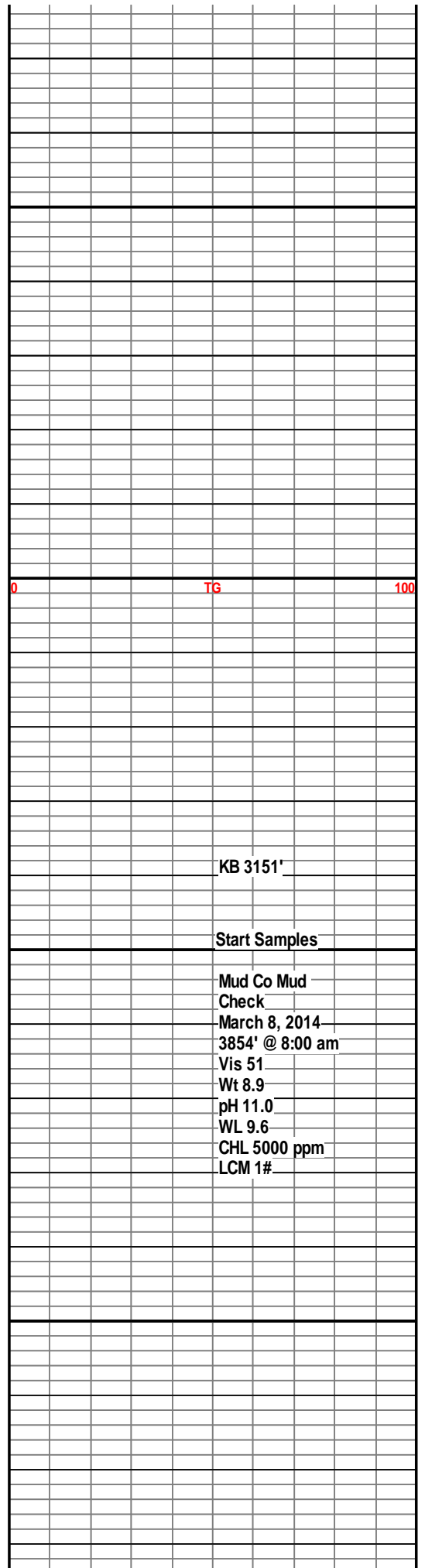
Limestone, cream, off-white crystalline, fossils, fossiliferous porosity, no visible shows.

Shale, grey.

Limestone cream, tan, buff, crystalline, fossils, trace fossiliferous porosity, no visible shows, no odor.

Limestone, tan, crystalline, dense, fossils, slightly chalky, no shows.

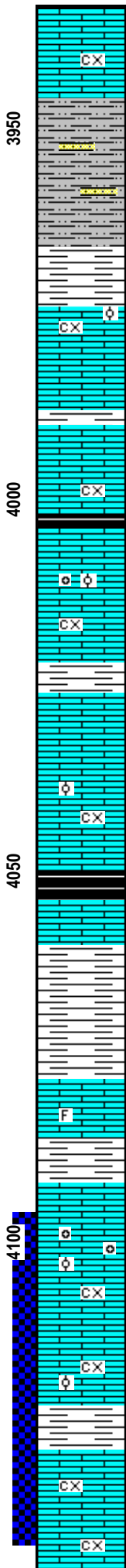
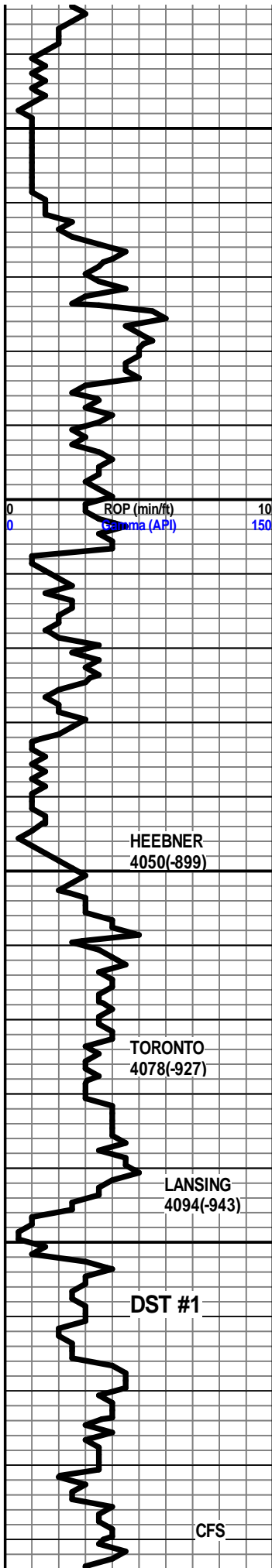
Shale, grey-black



KB 3151'

Start Samples

Mud Co Mud
Check
March 8, 2014
3854' @ 8:00 am
Vis 51
Wt 8.9
pH 11.0
WL 9.6
CHL 5000 ppm
LCM 1#



Shale, grey-black.

Limestone, grey-white, crystalline, dense,

Sandstone, grey-white, silty, fine grained, sub angular, shaley in part.

Shale reddish-brown soft.

Limestone, cream, tan-white, crystalline traces of oolites, no visible shows.

Shale reddish-brown, soft. grey.

Limestone, tan, buff, off-white, finely crystalline, trace fossils, trace chalky, no visible shows, no odor.

Shale, grey-black.

Limestone, tan, buff, crystalline, oolitic, trace oolimoldic porosity, very faint show heavy asphaltic oil, no odor, no fluorescence.

Shale, grey.

Limestone, grey-white, mottled, fossils.

Limestone buff, tan, crystalline, trace oolites, fossils, slightly chalky, trace stain, no odor.

Limestone, buff tan, crystalline fossils, fossiliferous porosity no visible shows.

Shale, grey-black

Limestone, grey-white, crystalline dense.

Shale, reddish-brown, soft.

Limestone tan, buff, crystalline, fossils, fossiliferous porosity, tite, no odor, no visible shows.

Shale, reddish-brown, grey.

Limestone, tan, buff, crystalline, oolitic, oolimoldic, mostly barron, traces of heavy oil, spotty staining, trace free oil when crushed, traces of nvrite. no odor.

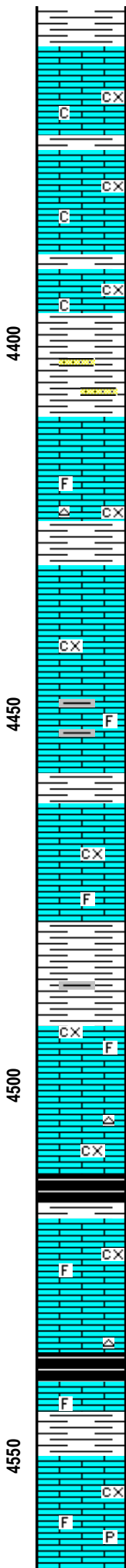
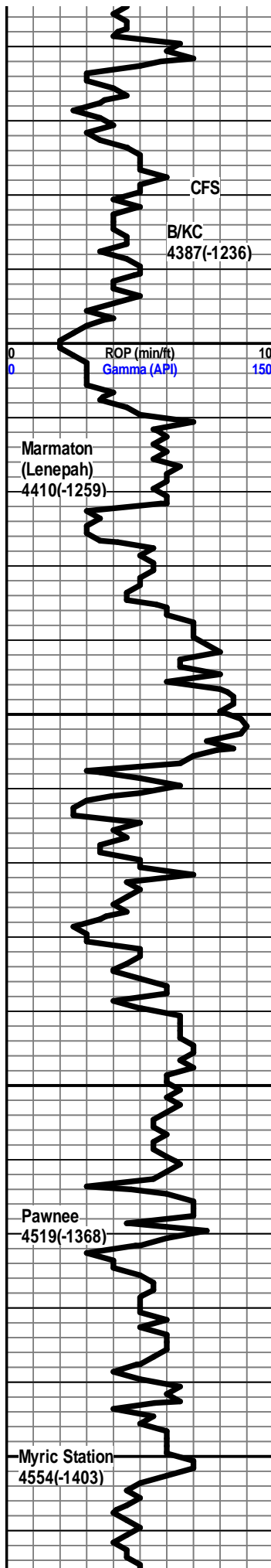
Limestone, cream, tan, buff, crystalline, oolitic, fossils, trace chalky, no shows.

Shale, grey-red, soft.

Limestone, tan-buff, finely crystalline, crystalline porosity, poor overall porosity very faint show heavy oil, no odor.

Shale, grey-red, soft.

0	TG	100
DST #1 4096 to 4140		
Times 30-60-15-60		
1st Opening - BOB		
2 1/2 minutes, no blow back.		
2nd Opening - BOB 3 minutes, no blow Back.		
Recovery: 344'		
MW (45% M, 55% W)		
314' MW (85% W, 15% M)		
1003' MW (95% W, 5% M)		
IFP 77-592#		
FFP 591-780#		
ISIP 1235#		
FSIP 1235#		
IHP/FHP		
2020/1995#		
Chlorides 52,000		
Temp 118		
Mud Co Mud Check		
March 9, 2014		
4140' @ 9:00 am		
Vis 50		
Wt 9.2		
pH 10.0		
WL 9.6		
Survey 3/4 degree.		



Shale, grey-black.

Limestone, cream, tan, crystalline, dense, trace chalky, very faint odor, no visible show of oil. spotty fluorescence.

Limestone, cream, buff, finely crystalline, dense, trace crystalline porosity, chalky in part.

Limestone, tan, buff-white, crystalline, dense, slightly chalky.

Shale, grey, green, reddish-brown pale green sandstone, fine grained, friable, no visible shows.

Limestone, cream, off-white, crystalline dense, trace fossils, trace of tan chert.

Shale, grey, red-green.

Limestone, tan, buff, grey-white, crystalline, dense, trace fossils, shaley in part.

Shale, grey-black.

Limestone, buff, tan crystalline, dense, trace fossils.

Shale, grey, dark grey.

Limestone, tan, buff, crystalline, dense, trace fossils.

Shale, grey-black.

Limestone, cream, tan, buff, crystalline, trace fossils, trace crystalline porosity, traces of tan chert, no visible shows.

Limestone, tan, crystalline, fossils, traces of tan chert, dense, no visible shows.

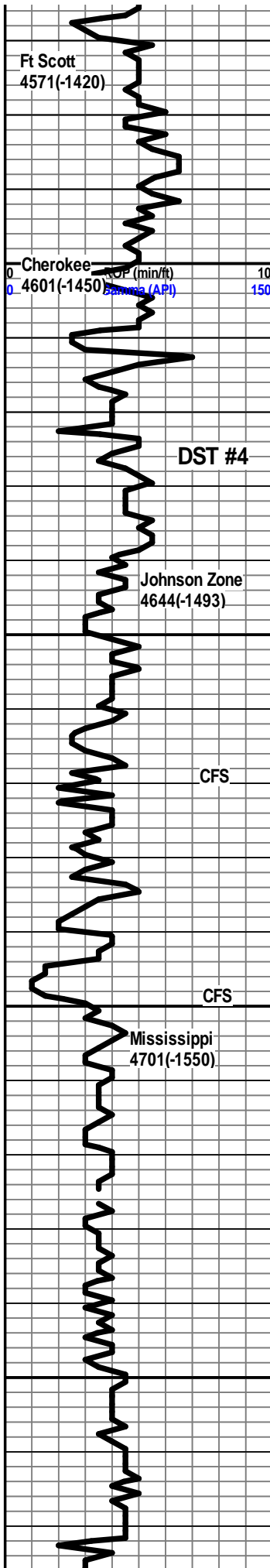
Shale grey-black.

Limestone, tan-brown, crystalline, dense fossils.

Shale, grey

Limestone, cream, off-white, grey-white,, finely crystalline, dense, traces of pyrite, trace fossils, no odor, no visible shows.

0	TG	100
March 12, 2014 4500' @ 8:00 am Vis 53 Wt 9.3 pH 9.0 WL 9.6 Chl 4000 LCM trace		



Shale, grey-black.

Limestone, tan, buff, crystalline, oolitic, fossils, poor porosity, no odor, no visible shows.

Limestone, tan, tan=brown, medium crystalline, dense, trace crystalline porosity, trace tan chert, no visible shows.

Shale grey-black.

Limestone, grey-white, tan, crystalline, dense, trace fossils.

Limestone, tan, buff, crystalline, trace oolites, trace fossils, no odor, no visible shows, no fluorescence.

Shale grey-black.

Limestone, tan, crystalline, dense.

Shale, grey-black.

Limestone, tan, buff, crystalline, dense.

Shale, grey-green, lime stringers.

Limestone, tan, buff, crystalline, fossils, traces of crystalline porosity, small scattered vugs, spotty staining, fair odor, fair show of oil, very dull spotty fluorescence.

Limestone, tan, buff-white, finely crystalline, trace crystalline porosity spotty stain, very faint odor no show free oil.

Shale, red-brown, grey, some vari-colored, trace limestone fragments, some pale green sandstone clusters, tite to friable, no shows, no odor.

Vari-colored cherts, white, clear, tan, sharp, some sand clusters, clear, friable, no shows of oil. no odor.

Limestone, cream, tan, crystalline, some oolites, cherty, vari-colored shales, no shows.

Limestone, tan, cream, crystalline, sandy, traces of chert, very shaley in part, no shows.

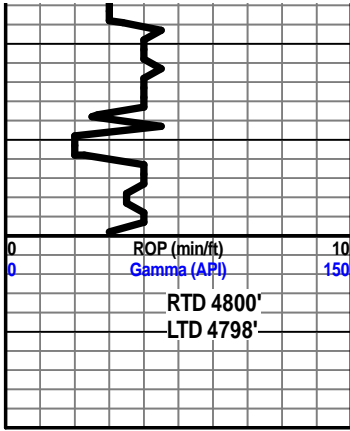
Limestone cream, buff, crystalline, trace sandy, tan to off-white cherts, trace fossils, shaley.

Limestone, tan, buff crystalline, dense, shaley, cherty, no visible shows.

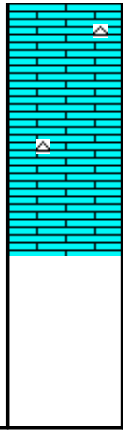
DST #4 4592-4670
 Times 30-60-40-60
 1st opening - BOB
 11 1/2 minutes, 1" blow back.
 2nd Opening - BOB 7 1/2 minutes, off BOB 25 minutes on final blow back.

Recovery: 536'
 Weak GIP
 82' GMCO (7% G, 80% O, 13% M)
 126' GMCO (30% G, 58% O, 12% M)
 124' GOCM (20% G, 25% O, 55% M)
 Gravity 31
 IFP 25-89#
 FFP 95-155#
 ISIP 1005#
 FSIP 978#
 IHP/FHP 2312/2291#
 Temp 124

Mud Co Mud
 Check March 13, 2014
 4670' @ 8:00 am
 Vis 56
 Wt 9.3
 pH 9.5
 WL 8.8
 Chl 4500
 LCM 1#



4800



Limestone tan, buff, cream, dense, trace cherts, shaley in part, no visible shows, no odor.

