



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224432
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: _____

1224432

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
----------------	-------	---------	------------	---

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	Shakespeare Oil Co., Inc.
Well Name	Andersen 1-3
Doc ID	1224432

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Andersen 1-3
Doc ID	1224432

Tops

Name	Top	Datum
Base Anhydrite	2546	+499
Heebner	3992	-947
Lansing	4038	-993
Muncie Creek	4183	-1138
Stark Shale	4267	-1222
Hushpuckney	4300	-1255
Pawnee	4466	-1421
Cherokee Shale	4550	-1505
Johnson	4594	-1549
Mississippian	4654	-1609



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 144882

Invoice Date: Aug 6, 2014

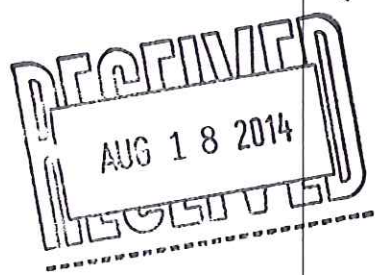
Page: 1

Bill To:
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	64073	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 6, 2014	9/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Anderson #1-3</u>		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
329.00	CEMENT MATERIALS	Gel	0.50	164.50
494.00	CEMENT MATERIALS	Chloride	1.10	543.40
189.23	CEMENT SERVICE	Cubic Feet Charge	2.48	469.29
157.09	CEMENT SERVICE	Ton Mileage Charge	2.75	432.00
1.00	CEMENT SERVICE	<u>Surface</u> ✓	1,512.25	1,512.25
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	Adam Flipse		
1.00	OPERATOR ASSISTANT	Wayne Messalle		

INT



ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,623.95

ONLY IF PAID ON OR BEFORE

Sep 5, 2014

Subtotal	6,495.94
Sales Tax	293.79
Total Invoice Amount	6,789.73
Payment/Credit Applied	
TOTAL	6,789.73

DW
10502-5
KW



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 145199
Invoice Date: Aug 18, 2014
Page: 1

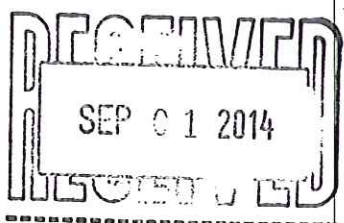
Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	63375	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 18, 2014	9/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Anderson #1-3</u>		
165.00	CEMENT MATERIALS	ASC	23.50	3,877.50
825.00	CEMENT MATERIALS	Gilsonite	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	7.73	896.68
23.00	CEMENT MATERIALS	Defoamer	3.50	80.50
12.00	CEMENT MATERIALS	WFRIL	41.09	493.08
214.75	CEMENT SERVICE	Cubic Feet Charge	2.48	532.58
120.77	CEMENT SERVICE	Ton Mileage Charge	2.75	332.12
1.00	CEMENT SERVICE	<u>Production Casing</u> ✓	2,765.75	2,765.75
13.00	CEMENT SERVICE	Pump Truck Mileage	7.70	100.10
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
13.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	57.20
1.00	CEMENT SERVICE	Rotator	250.00	250.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

INT



10502-5
KW

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,617.25

ONLY IF PAID ON OR BEFORE
Sep 17, 2014

Subtotal	10,469.01
Sales Tax	470.95
Total Invoice Amount	10,939.96
Payment/Credit Applied	
TOTAL	10,939.96

DW

ALLIED OIL & GAS SERVICES, LLC 063375

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakley 14

DATE <u>8/18/14</u>	SEC. <u>3</u>	TWP. <u>13</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Anderson</u>		WELL # <u>1-3</u>		LOCATION <u>Dakley S 11 W 3/4 S</u>		COUNTY <u>Logan</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one)				<u>Final</u>			

CONTRACTOR H0 2
 TYPE OF JOB Production
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH 4224'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL PC DEPTH 2497.67
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 43'
 CEMENT LEFT IN CSG. 43'
 PERFS. _____
 DISPLACEMENT 112 H2O
 EQUIPMENT _____

PUMP TRUCK CEMENTER Alan Ryan
 # 123-281 HELPER Kevin Ryan
 BULK TRUCK _____
 # 818 DRIVER Tim M (Two)
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:
On Case Complete Max 3051k R.H. (Ant)
33 5/8 Casing 5 1/2 Washup
Disposal Plug w/ 112 H2O
W/ 10000 PSI CIP Lined Plug
@ 2000 Foot Head
T. Frank K
Alan Kevin, Tim M

CHARGE TO Public expense
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 Doug Roberts
 SIGNATURE Doug Roberts

OWNER Same
 CEMENT AMOUNT ORDERED 165 BRs ASC
10705 Silt 2070g 8 .14-16 DeFormar
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC 165 BRs @ 22.50 3877.50
Cilsente 825 16 @ .90 808.50
CD 31 116 10 @ 2.22 896.80
DeFormar 23 18 @ 3.50 81.00
WPR II 12 BRL @ 4.14 497.00
Man (Vern) 100 @ 4.93 493.00
(1.5 38.0 / 1.3 20) @ _____
 HANDLING 214.50 @ 2.40 532.50
 MILEAGE 27.5 @ 12.00 330.00
 TOTAL _____

SERVICE
 DEPTH OF JOB 4224'
 PUMP TRUCK CHARGE 2785.25
 EXTRA FOOTAGE @ _____
 MILEAGE 13 @ 2.22 100.10
 MANIFOLD & Head @ 225.00 225.00
Bit Vehicle @ 4.20 57.20
Hot water @ 2.50 250.00
(1078.18 / 250) TOTAL 4313.15

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES 10,467.01
 DISCOUNT 2,617.25 / 25% IF PAID IN 30 DAYS
7,851.75 Net.



INVOICE

PO Box 93999
Southlake, TX 76092

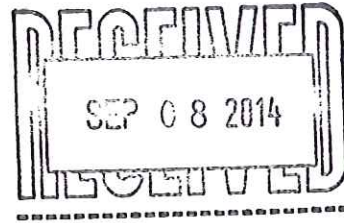
Invoice Number: 145360
Invoice Date: Aug 25, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	64139	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Aug 25, 2014	9/24/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Anderson #1-3		
188.00	CEMENT MATERIALS	Class A Common	17.90	3,365.20
2,018.00	CEMENT MATERIALS	Gel	0.50	1,009.00
101.00	CEMENT MATERIALS	Pozmix	9.35	944.35
72.00	CEMENT MATERIALS	Flo Seal	2.97	213.84
300.00	CEMENT MATERIALS	Cottonseed Hulls	0.99	297.00
586.34	CEMENT SERVICE	Cubic Feet Charge	2.48	1,454.12
360.74	CEMENT SERVICE	Ton Mileage Charge	2.75	992.04
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
15.00	CEMENT SERVICE	Pump Truck Mileage	7.70	115.50
15.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	66.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		



Subtotal	10,940.64
Sales Tax	445.95
Total Invoice Amount	11,386.59
Payment/Credit Applied	
TOTAL	11,386.59

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2,735.16

ONLY IF PAID ON OR BEFORE
Sep 24, 2014

DW
105025
KW

ALLIED OIL & GAS SERVICES, LLC 064139

Federal Tax I.D. # 20-3651475

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

SERVICE POINT:
Oakley KS

DATE <u>8-25-14</u>	SEC. <u>3</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>10:30am</u>	JOB START <u>10:30am</u>	JOB FINISH <u>11:30am</u>
LEASE <u>Anderson</u>	WELL# <u>1-3</u>	LOCATION <u>Oakley S to Seneca Rd</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>		W. 15 E. Info					

CONTRACTOR Wild West
 TYPE OF JOB Part Collar
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE 2 7/8 DEPTH
 DRILL PIPE DEPTH
 TOOL Part Collar DEPTH 2498
 PRES. MAX MINIMUM
 MEAS. LINE * SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 8.5 bbl water
 EQUIPMENT

OWNER Same
 CEMENT
 AMOUNT ORDERED 500 sks Class A lite
65/35 8 1/2 gel 1/4 Flo-seal
1000# cottonseed hulls
 COMMON 188' sks @ 17.90 3365.2
~~PERMAX Gel~~ 3058 # @ .50 1529.00
~~ESP02~~ 187 sks @ 9.35 1744.35
 CHLORIDE @
 ASC @
~~Chloride~~ 72 # @ 2.97 213.84
 Hulls 300 # @ .99 297.00
~~Material~~ Material 2,222.57
(1157.35 / 2.222)
 HANDLING 586.34 4.43 2.48 1454.12
 MILEAGE 24.05 hrs x 15 42.25 992.66
 TOTAL

PUMP TRUCK CEMENTER Paul Beaver
 # 431 HELPER Brandon Wilkinson
 BULK TRUCK
 # 890/241 DRIVER Juan Tomez (FWD)
 BULK TRUCK
 # DRIVER

REMARKS:
Test Part Collar to 1200', open.
mix 290 sks 65/35 8 1/2 gel
Displace w/ water, close part collar
Test to 1200' wash up to pit
Run 5 JTs Riv clean
cement did circulate
Thank Paul & crew

CHARGE TO: Shake speare
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE 2483.59
 EXTRA FOOTAGE @
 MILEAGE MINV 15 @ 7.90 118.50
 MANIFOLD @
 MINV 15 @ 4.40 66.00
 TOTAL (1277.81 / 2.58) 5,111.21

PLUG & FLOAT EQUIPMENT
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 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.

PRINTED NAME _____
 SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 10,940.66
 DISCOUNT 2,235.15 (20%) IF PAID IN 30 DAYS
8,705.51 Net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57197

DST#: 1

ATTN: Tim Priest

Test Start: 2014.08.11 @ 03:57:00

GENERAL INFORMATION:

Formation: **LKC EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:05:30

Time Test Ended: 11:50:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: 4115.00 ft (KB) To 4137.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4137.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 35.72 psig @ 4119.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.11

End Date:

2014.08.11

Last Calib.:

2014.08.11

Start Time: 03:57:02

End Time:

11:50:40

Time On Btm:

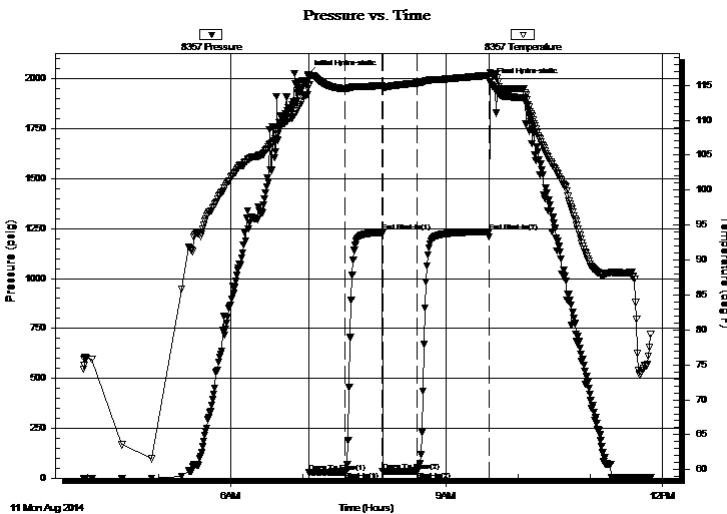
2014.08.11 @ 07:04:30

Time Off Btm:

2014.08.11 @ 09:36:20

TEST COMMENT: 30- Surface blow died @ 20 min. Tool slid 8'.
30- Noreturn.
30- No blow.
60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.90	114.52	Initial Hydro-static
1	27.94	115.08	Open To Flow (1)
31	31.94	114.51	Shut-In(1)
62	1231.50	114.98	End Shut-In(1)
63	33.25	114.74	Open To Flow (2)
91	35.72	115.31	Shut-In(2)
151	1233.97	116.41	End Shut-In(2)
152	1979.60	116.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57197

DST#: 1

ATTN: Tim Priest

Test Start: 2014.08.11 @ 03:57:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 100m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

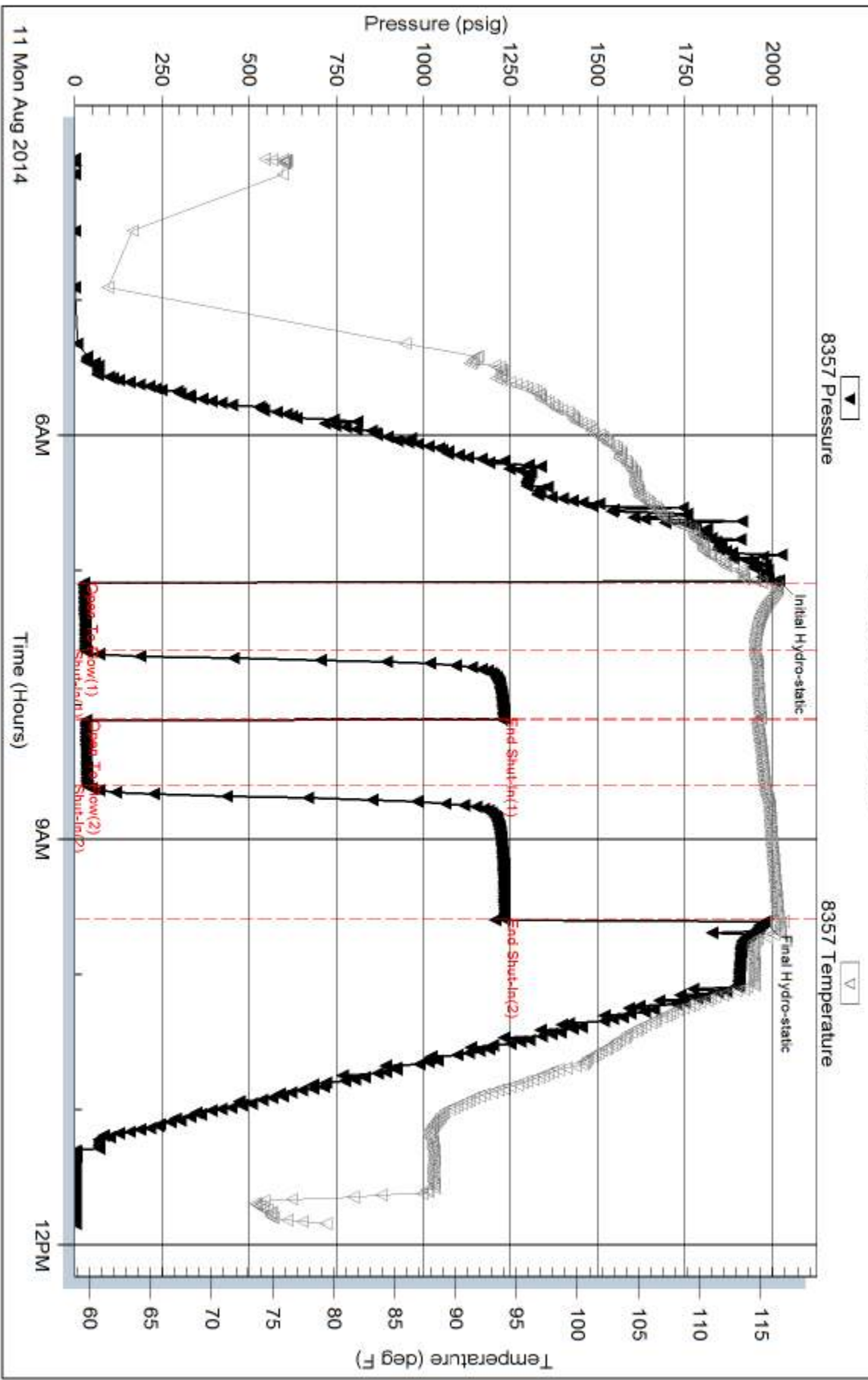
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: @ Degrees F =

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57198

DST#: 2

ATTN: Tim Priest

Test Start: 2014.08.12 @ 03:53:00

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:40

Time Test Ended: 12:05:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4188.00 ft (KB) To 4215.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4215.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 305.84 psig @ 4192.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.12

End Date:

2014.08.12

Last Calib.:

2014.08.12

Start Time: 03:53:02

End Time:

12:05:30

Time On Btm:

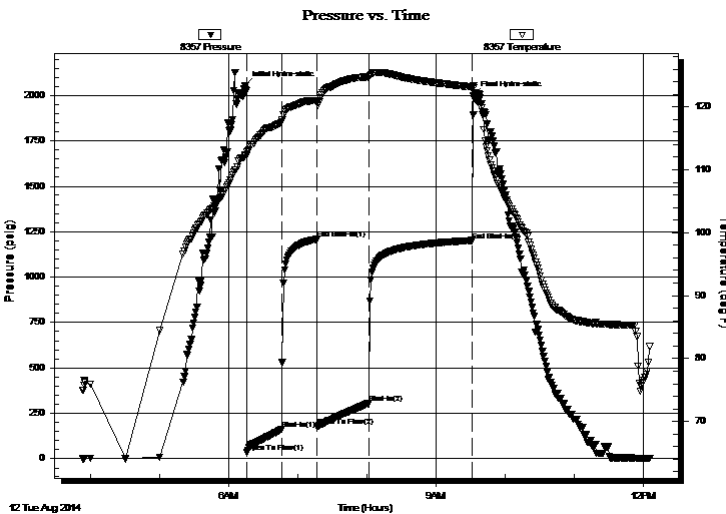
2014.08.12 @ 06:14:10

Time Off Btm:

2014.08.12 @ 09:32:30

TEST COMMENT: 30- B.O.B. @ 8 1/2 min.
30- 10" Return.
45- B.O.B. @ 7 1/2 min.
90- 10" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.83	112.20	Initial Hydro-static
2	33.78	112.29	Open To Flow (1)
32	162.25	117.62	Shut-In(1)
62	1209.47	121.02	End Shut-In(1)
63	178.14	120.61	Open To Flow (2)
108	305.84	124.76	Shut-In(2)
198	1201.66	123.16	End Shut-In(2)
199	1997.19	123.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GO 25g 75o	1.43
120.00	GMCO 20g 15m 65o	1.68
360.00	GO 45g 55o	5.05
200.00	GO 20g 80o	2.81
0.00	640' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57198

DST#: 2

ATTN: Tim Priest

Test Start: 2014.08.12 @ 03:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 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
180.00	GO 25g 75o	1.432
120.00	GMCO 20g 15m 65o	1.683
360.00	GO 45g 55o	5.050
200.00	GO 20g 80o	2.805
0.00	640' GIP	0.000

Total Length: 860.00 ft Total Volume: 10.970 bbl

Num Fluid Samples: 0

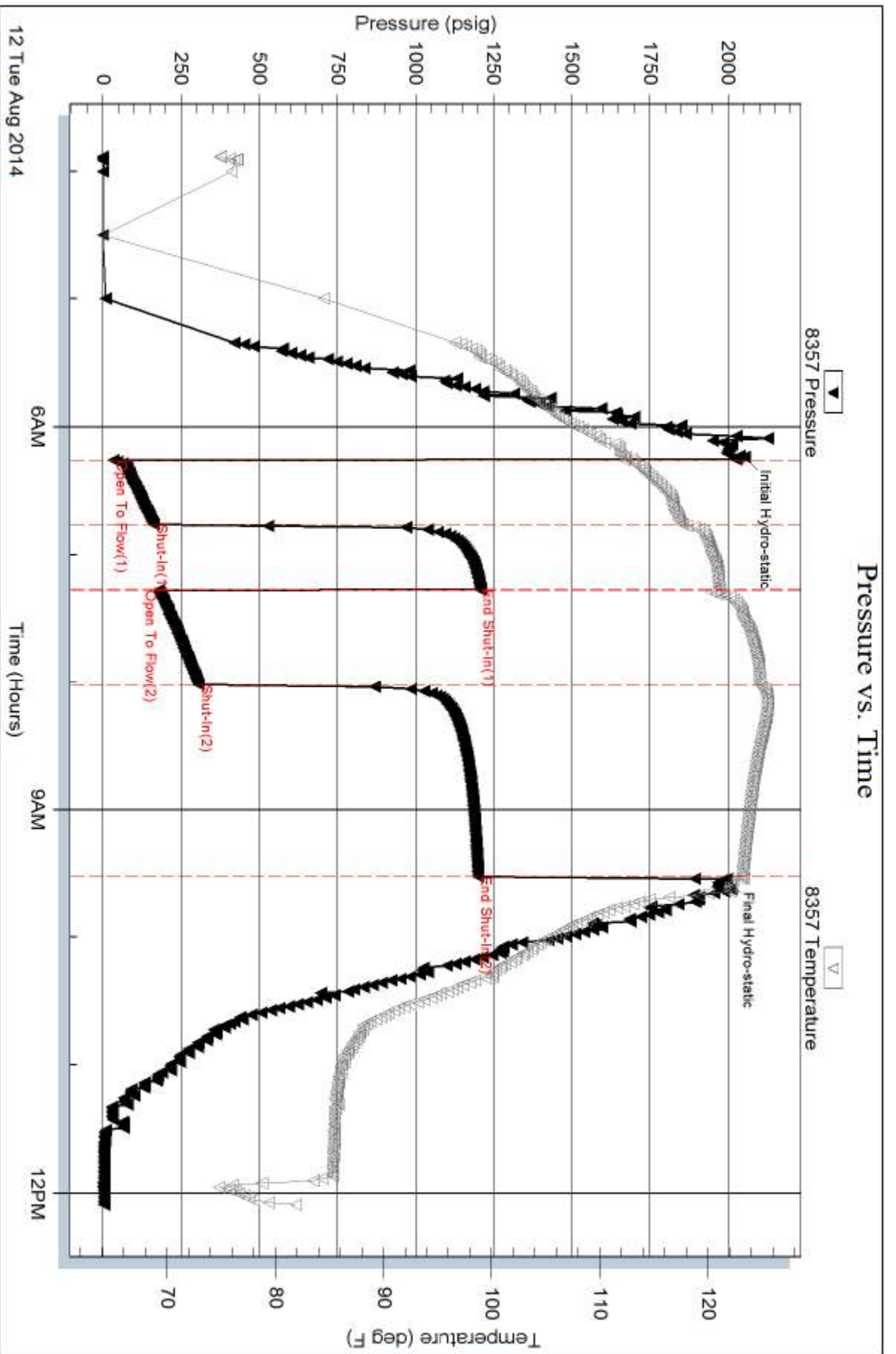
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 38 @ 90 Degrees F = 35.





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57199

DST#: 3

ATTN: Tim Priest

Test Start: 2014.08.12 @ 21:07:00

GENERAL INFORMATION:

Formation: **LKC 'I'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:42:20
 Time Test Ended: 04:20:50
 Interval: **4221.00 ft (KB) To 4248.00 ft (KB) (TVD)**
 Total Depth: 4248.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 3045.00 ft (KB)
 3035.00 ft (CF)
 KB to GR/CF: 10.00 ft

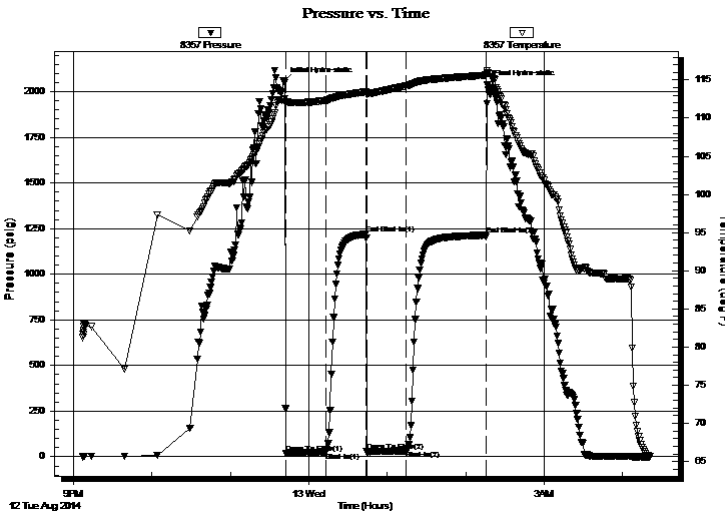
Serial #: 8357

Inside

Press@RunDepth: 32.55 psig @ 4225.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.12 End Date: 2014.08.13 Last Calib.: 2014.08.13
 Start Time: 21:07:02 End Time: 04:20:50 Time On Btm: 2014.08.12 @ 23:40:50
 Time Off Btm: 2014.08.13 @ 02:16:30

TEST COMMENT: 30- Surface blow thru-out.
 30- No return.
 30- No blow .
 60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.08	112.40	Initial Hydro-static
2	18.97	112.08	Open To Flow (1)
32	25.60	112.33	Shut-In(1)
63	1219.98	113.45	End Shut-In(1)
64	26.75	113.05	Open To Flow (2)
94	32.55	114.22	Shut-In(2)
155	1214.64	115.63	End Shut-In(2)
156	2036.75	115.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSM 100m	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57199

DST#: 3

ATTN: Tim Priest

Test Start: 2014.08.12 @ 21:07:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OSM 100m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

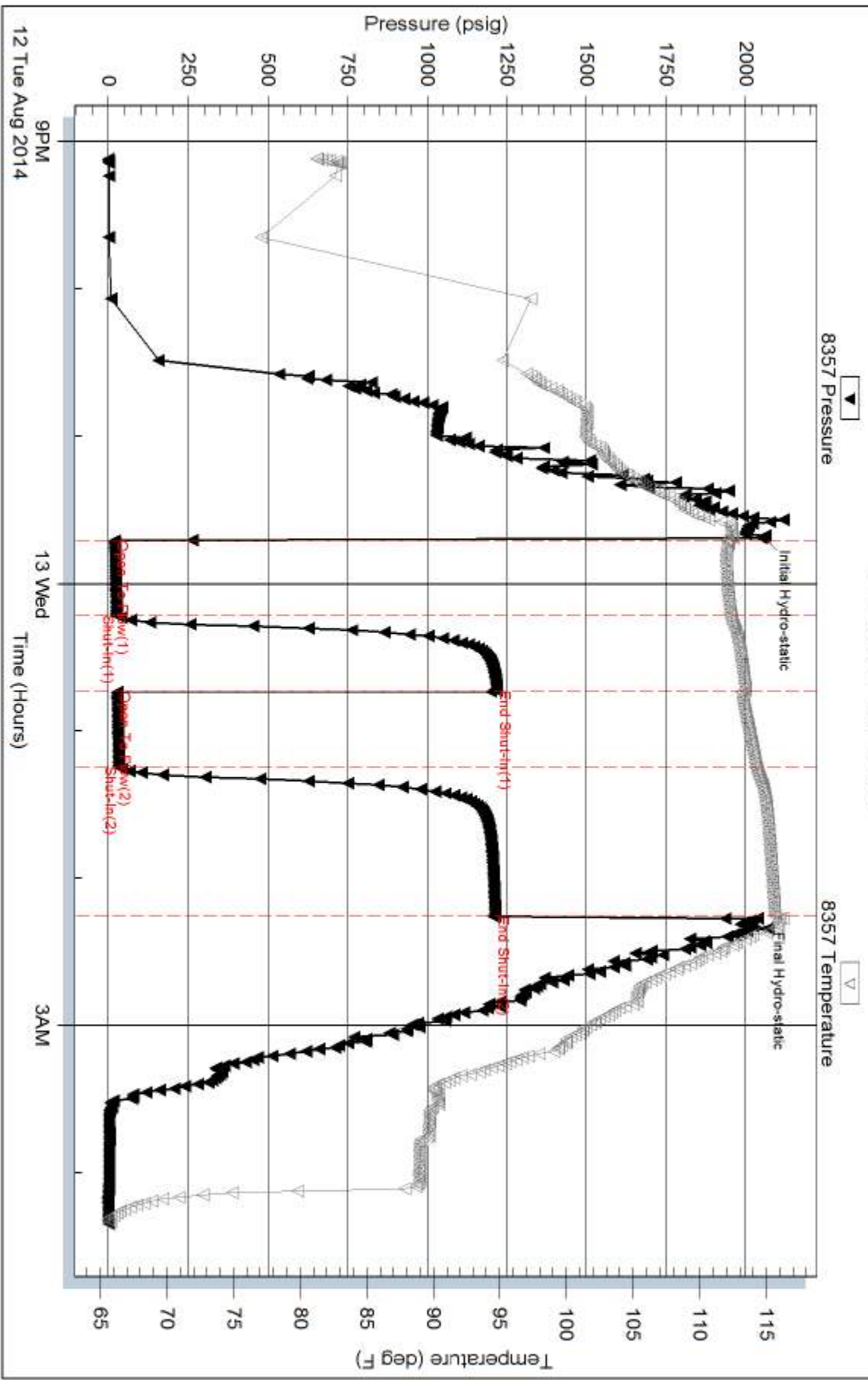
Inside

Shakespeare Oil Co. Inc.

Andersen #1-3

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 57199

Printed: 2014.08.13 @ 08:32:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 56674

DST#: 4

ATTN: Tim Priest

Test Start: 2014.08.14 @ 03:55:00

GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:40

Time Test Ended: 11:28:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 61

Interval: 4427.00 ft (KB) To 4460.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 31.65 psig @ 4457.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.14

Last Calib.: 2014.08.14

Start Time: 03:55:02

End Time:

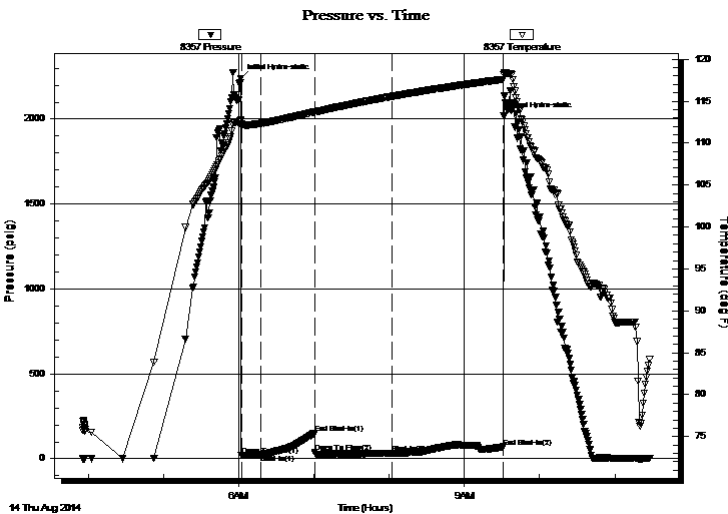
11:28:10

Time On Btm: 2014.08.14 @ 06:01:30

Time Off Btm: 2014.08.14 @ 09:31:20

TEST COMMENT: 30: Start 1/2 blow died to Weak Surface blow
30: No Return.
30: Weak surface blow .
30: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.33	112.78	Initial Hydro-static
1	21.95	112.14	Open To Flow (1)
16	27.16	112.34	Shut-In(1)
59	150.64	113.72	End Shut-In(1)
60	39.58	113.69	Open To Flow (2)
121	31.65	115.56	Shut-In(2)
210	70.30	117.59	End Shut-In(2)
210	2016.47	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm 5%g 35%o 60%m	0.31

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 56674

DST#: 4

ATTN: Tim Priest

Test Start: 2014.08.14 @ 03:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	gocm 5%g 35%o 60%m	0.310

Total Length: 63.00 ft Total Volume: 0.310 bbl

Num Fluid Samples: 0

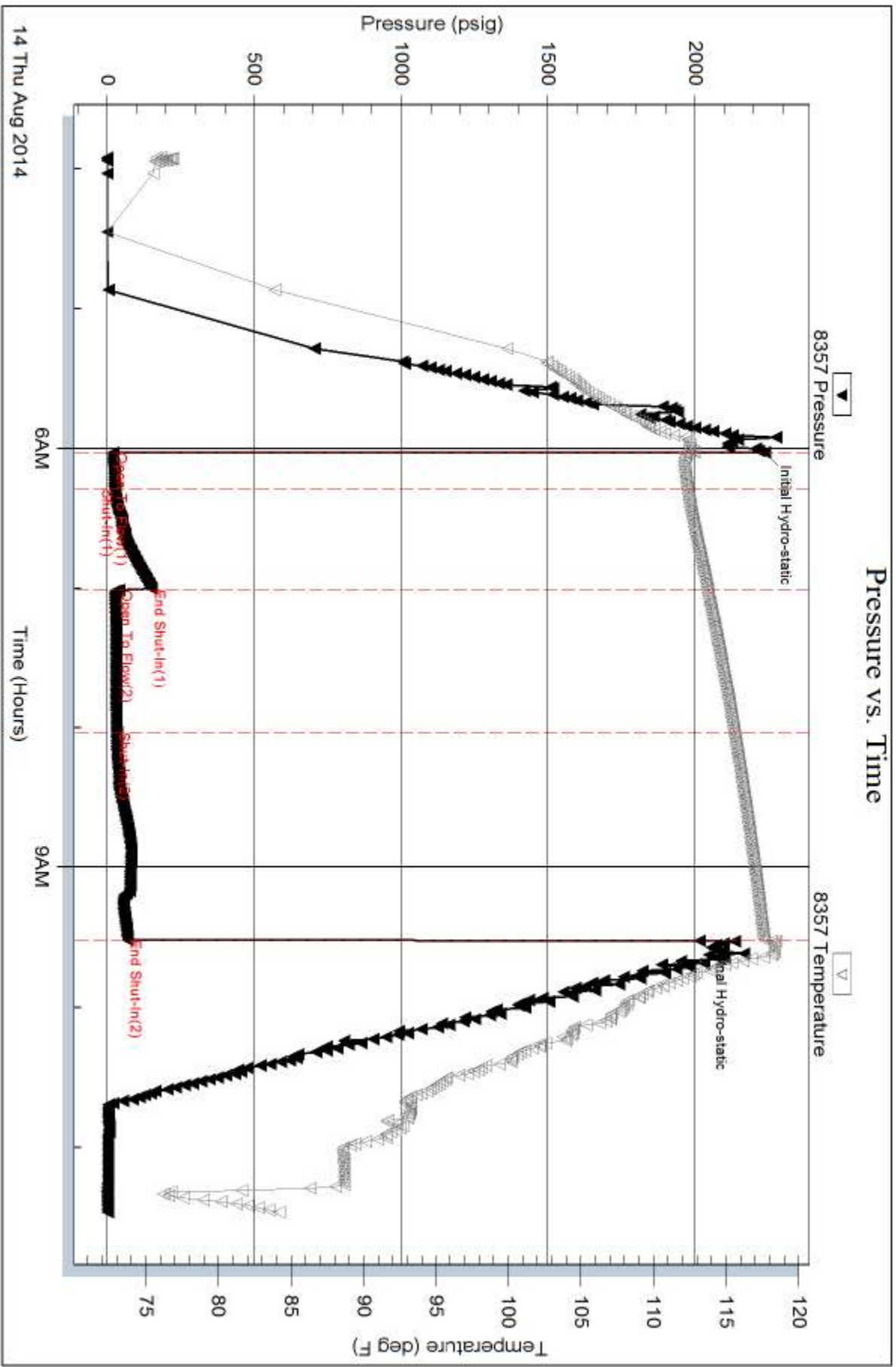
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 56675

DST#: 5

ATTN: Tim Priest

Test Start: 2014.08.15 @ 02:19:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 04:24:00

Time Test Ended: 09:44:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 61

Interval: 4457.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 58.90 psig @ 4487.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15

End Date:

2014.08.15

Last Calib.:

2014.08.15

Start Time: 02:19:02

End Time:

09:44:10

Time On Btm:

2014.08.15 @ 04:23:50

Time Off Btm:

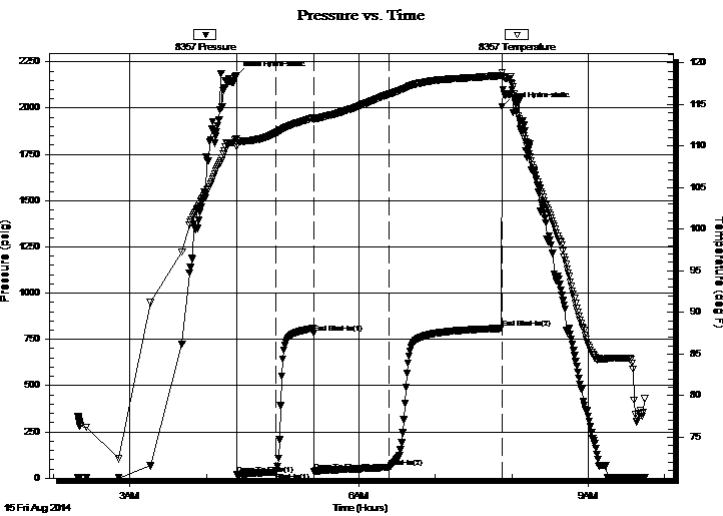
2014.08.15 @ 07:52:30

TEST COMMENT: 30: Weak surface blow build to 1/2"

30: No Return.

60: Weak surface blow .

90: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.54	110.86	Initial Hydro-static
1	19.40	109.90	Open To Flow (1)
31	31.99	111.55	Shut-In(1)
61	783.25	113.36	End Shut-In(1)
61	38.61	113.24	Open To Flow (2)
120	58.90	116.24	Shut-In(2)
209	809.74	118.47	End Shut-In(2)
209	2007.22	118.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	mud with oil spots	0.58

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 56675

DST#: 5

ATTN: Tim Priest

Test Start: 2014.08.15 @ 02:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	mud w ith oil spots	0.580

Total Length: 118.00 ft Total Volume: 0.580 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

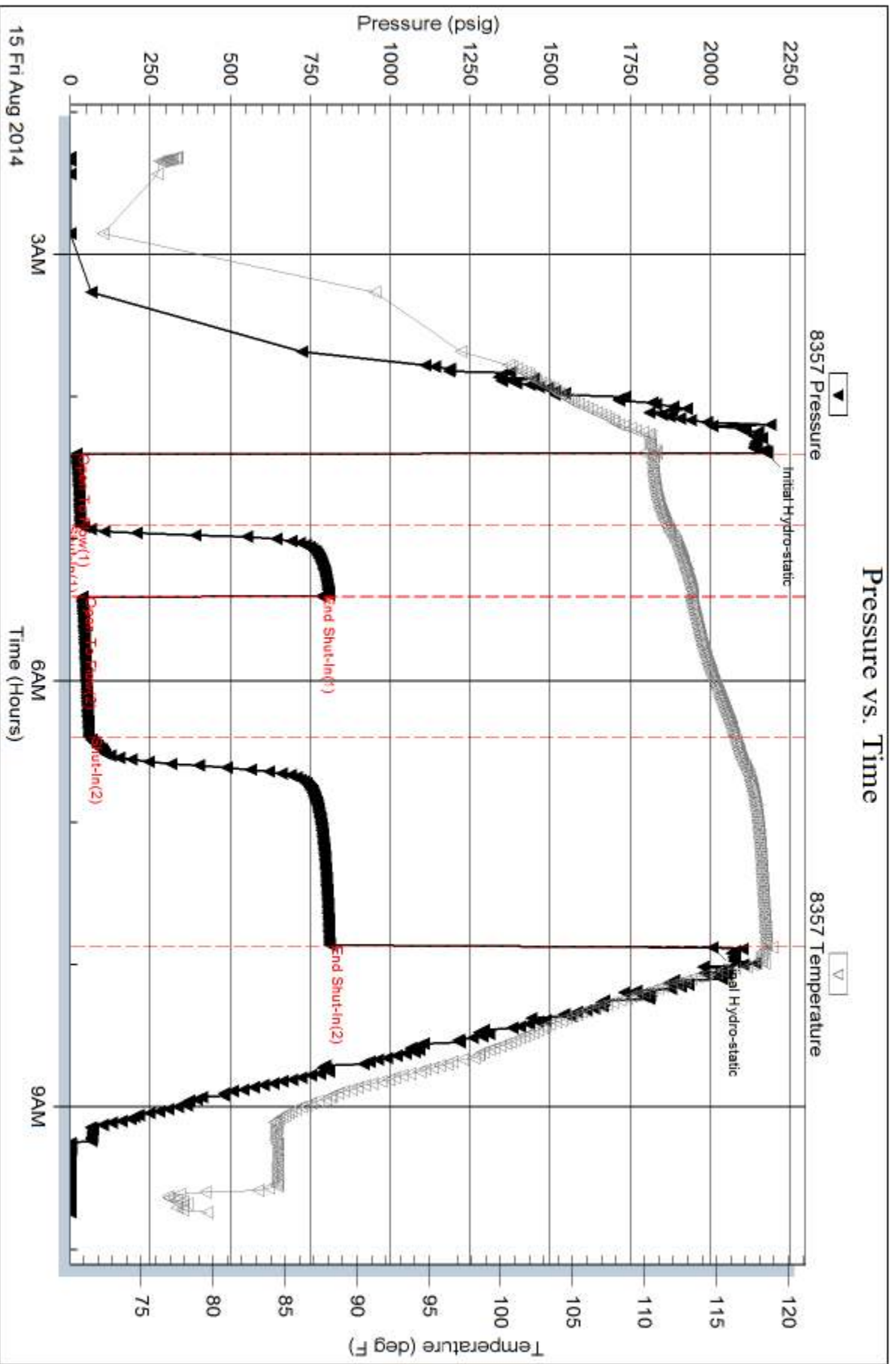
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57451

DST#: 6

ATTN: Tim Priest

Test Start: 2014.08.15 @ 21:43:00

GENERAL INFORMATION:

Formation: **Myrick Station/Ft. S**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 00:15:40

Time Test Ended: 03:53:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 61

Interval: 4498.00 ft (KB) To 4554.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4554.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 25.98 psig @ 4500.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time: 21:43:02

End Time:

03:53:00

Time On Btm:

2014.08.16 @ 00:15:30

Time Off Btm:

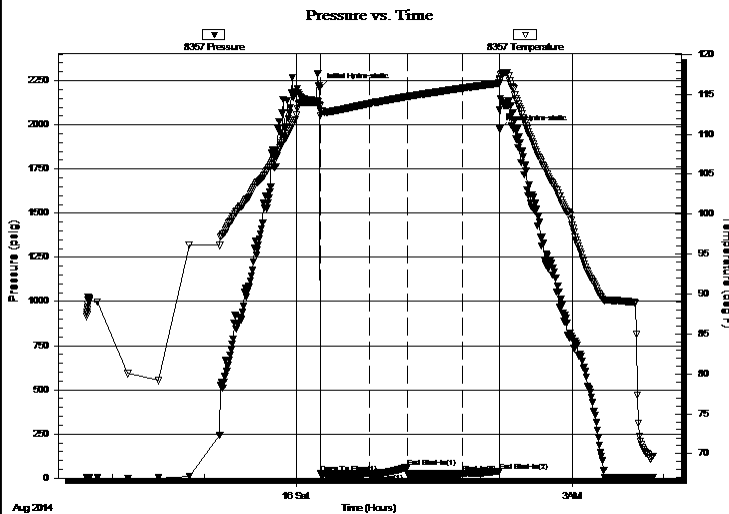
2014.08.16 @ 02:12:50

TEST COMMENT: 30: Weak surface blow died in 10 min.

30: No Return.

30: No Blow .

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.96	113.50	Initial Hydro-static
1	24.65	112.30	Open To Flow (1)
32	26.90	113.83	Shut-In(1)
57	62.09	114.72	End Shut-In(1)
57	23.47	114.70	Open To Flow (2)
93	25.98	115.77	Shut-In(2)
117	39.79	116.40	End Shut-In(2)
118	1975.37	116.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spot	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57451

DST#: 6

ATTN: Tim Priest

Test Start: 2014.08.15 @ 21:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spot	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

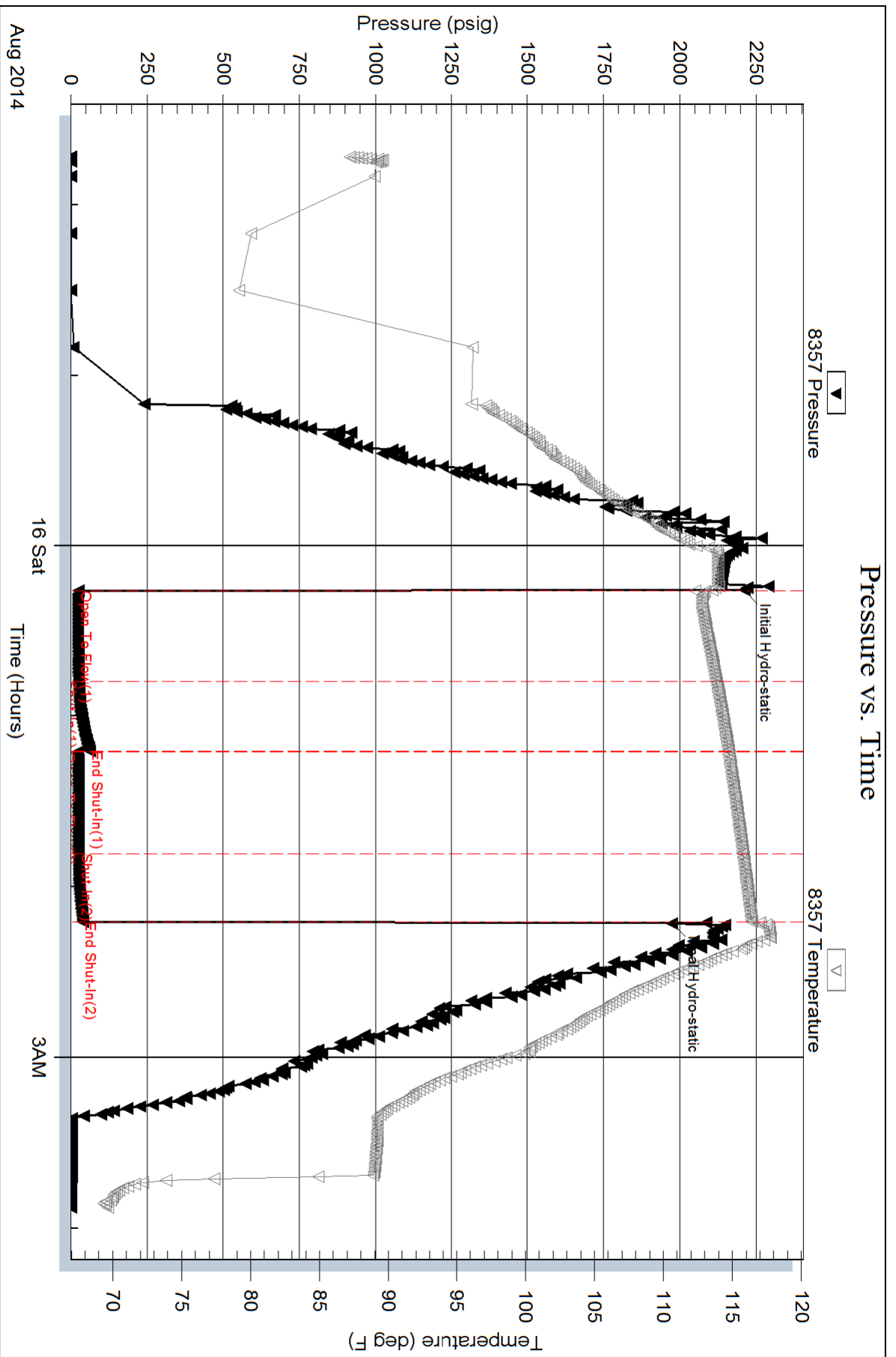
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57452

DST#: 7

ATTN: Tim Priest

Test Start: 2014.08.16 @ 15:29:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:47:20

Time Test Ended: 22:39:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 61

Interval: 4574.00 ft (KB) To 4630.00 ft (KB) (TVD)

Reference Elevations: 3045.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

3035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 26.98 psig @ 4575.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time: 15:29:02

End Time:

22:39:50

Time On Btm:

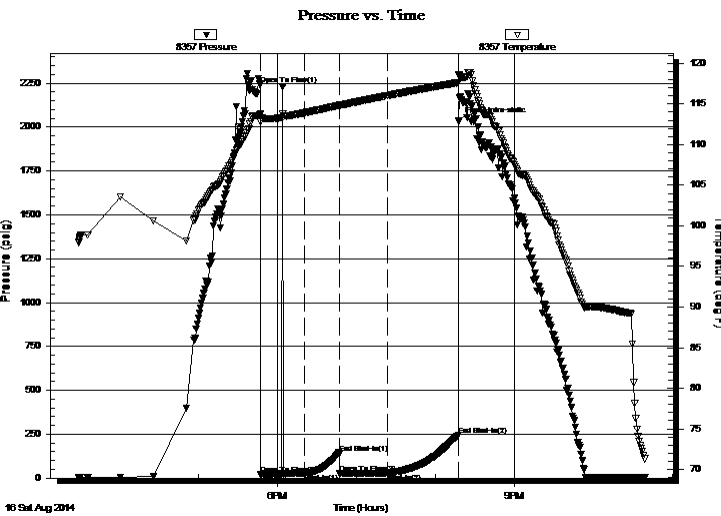
Time Off Btm: 2014.08.16 @ 20:17:50

TEST COMMENT: 30: Weak blow flush tool few bubble.

30: No Return.

30: No blow .

60: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.07	113.74	Open To Flow (1)
1	22.80	112.82	Open To Flow (2)
33	26.98	113.90	Shut-In(1)
60	139.60	114.85	End Shut-In(1)
61	25.49	114.82	Open To Flow (3)
97	28.98	116.04	Shut-In(2)
151	247.20	117.63	End Shut-In(2)
151	2032.83	118.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil spots	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

S3-13s-32w Logan, KS

202 W Main
Salem, IL 62881

Andersen #1-3

Job Ticket: 57452

DST#: 7

ATTN: Tim Priest

Test Start: 2014.08.16 @ 15:29:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

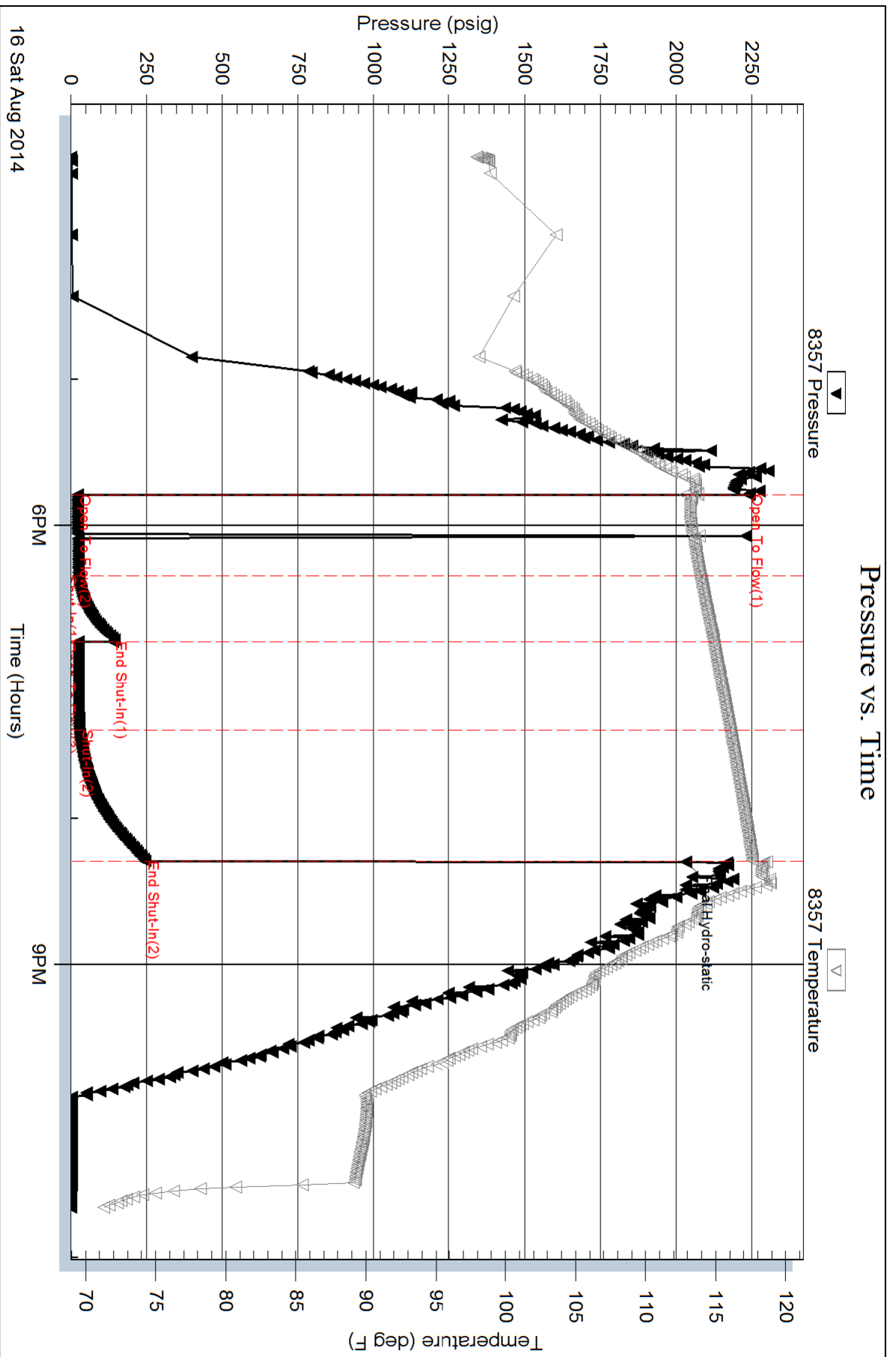
Serial #: 8357

Inside

Shakespeare Oil Co. Inc.

Andersen #1-3

DST Test Number: 7



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: **SHAKESPARE OIL CO.**
 LEASE: **Andersen L-3**
 FIELD: **Wildcat**
 LOCATION: **4507 FSI, 335th FWL**
 SEC: **3 TWPSP 13S R0E 32W**
 COUNTY: **Logan STATE Kansas**

CONTRACTOR: **HD Drilling Rig #2**
 SPUD: **8-5-14** COMP: **8-17-14**
 RTD: **4730'** LTD: **4725'**
 MUD UP: **3500'** TYPE MUD: **Chemical**

SAMPLES SAVED FROM: **3750'** to RTD
 DRILLING TIME KEPT FROM: **3750'** to RTD
 SAMPLES EXAMINED FROM: **3750'** to RTD
 GEOLOGICAL SUPERVISION FROM: **3800'** to RTD

GEOLOGIST ON WELL: **Tim Priest**

FORMATION TOPS: **ELECTRIC LOG**
 Anhydrite: **2524 (+S21)** SAMPLE: **2529 (+S16)**
 Sandstone: **3992 (+S21)** SAMPLE: **3999 (+S54)**
 Heebner Shale: **4038 (+S21)** SAMPLE: **4043 (+S98)**
 Lansing: **4268 (+S21)** SAMPLE: **4275 (+S20)**
 Stark: **4335 (+S21)** SAMPLE: **4344 (+S29)**
 BKC: **4524 (+S21)** SAMPLE: **4529 (+S84)**
 Fort Scott: **4594 (+S21)** SAMPLE: **4597 (+S12)**
 Johnson Zone: **4654 (+S21)** SAMPLE: **4598 (+S53)**
 Mississippian: **4662 (+S21)** SAMPLE: **4662 (+S17)**

CONDUCTION: **N/A**
 SURFACE: **8-5/8" @ 730'**
 PRODUCTION: **5-1/2" @ 730'**

ELECTRICAL SURVEYS: **CND/D/SP/P.E.**
 By: **Micron**
 By: **Weatherford**

EL ELEVATIONS
 KB: **3045'**
 DF: **3035'**
 GL: **3035'**

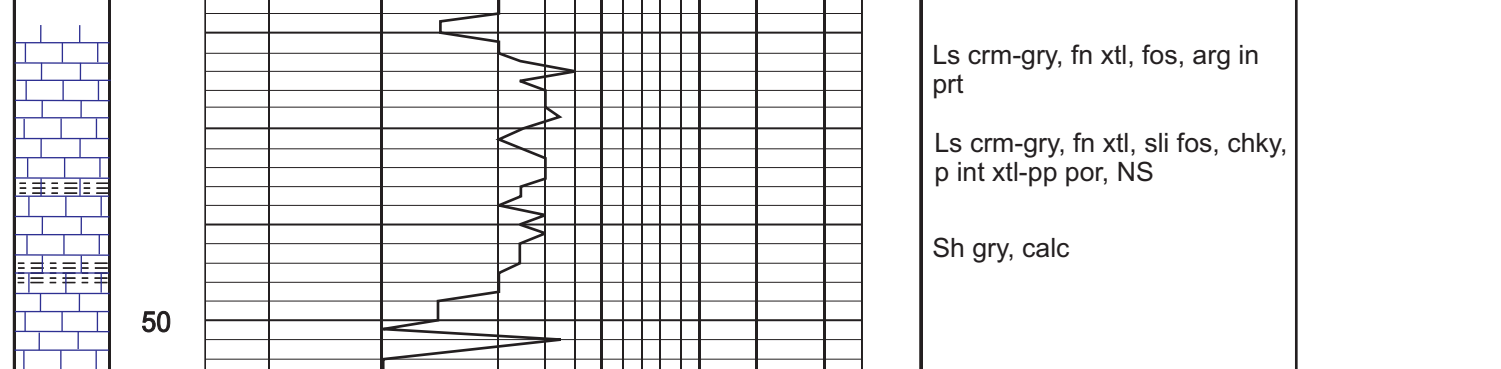
Measurements Are All From: **KB**

REMARKS: Due to the results of DST #2, it was decided to set production casing to further test the well.

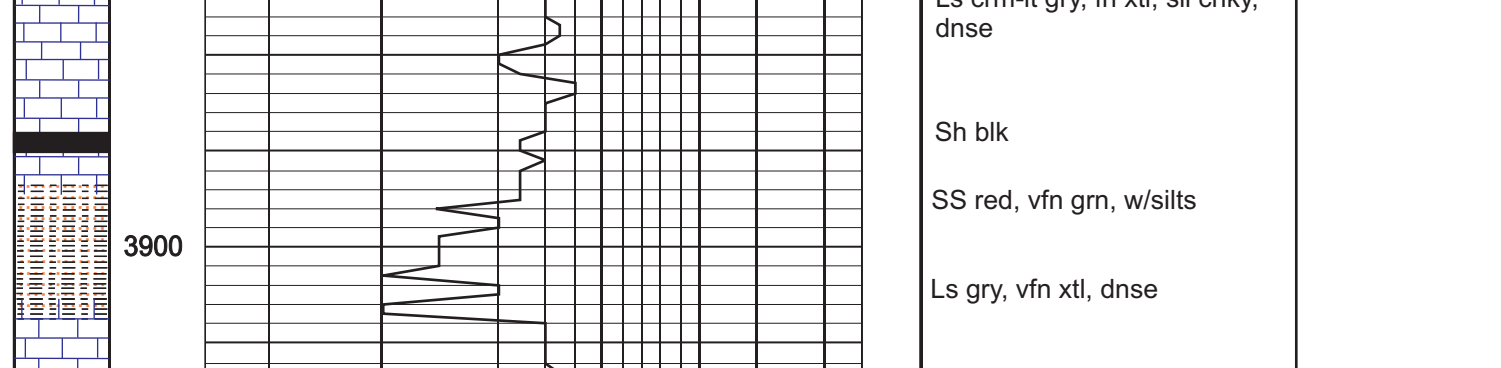
Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-109-21316

LEGEND



DRILLING TIME IN MINUTES PER FOOT
 Rate of Penetration Decreases →



DEPTH

LITHOLOGY

2550

3800

50

3900

50

4000

50

4100

50

4200

50

4300

50

4400

50

4500

50

4600

50

4700

4730'

SAMPLE DESCRIPTION

2529 (+S16) Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

2552 (+493) Base/ Anhydrite

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