



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1161076
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: _____



1161076

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	York 1-2
Doc ID	1161076

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	York 1-2
Doc ID	1161076

Tops

Name	Top	Datum
Base Anhydrite	2312	+564
Heebner	3889	-1013
Lansing	3928	-1052
Muncie Creek	4094	-1218
Stark Shale	4187	-1311
Hushpuckney	4230	-1354
Pawnee	4396	-1520
L. Cherokee Shale	4473	-1597
Johnson	4513	-1637
Morrow Shale	4536	-1660
Mississippian	4553	-1677

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 137956
Invoice Date: Aug 13, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61245	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 13, 2013	9/12/13

Quantity	Item	Description	Unit Price	Amount
170.00	CEMENT MATERIALS	York #1-2		
		Class A Common	17.90	3,043.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
183.81	CEMENT SERVICE	Cubic Feet	2.48	455.90
461.45	CEMENT SERVICE	Ton Mileage	2.60	1,199.77
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
55.00	CEMENT SERVICE	Pump Truck Mileage	7.70	423.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
55.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	242.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne Mcghghy		

INT

10502-5



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

\$ 1,977.46

ONLY IF PAID ON OR BEFORE
Sep 7, 2013

Subtotal	7,605.62
Sales Tax	285.02
Total Invoice Amount	7,890.64
Payment/Credit Applied	
TOTAL	7,890.64

DW

ALLIED OIL & GAS SERVICES, LLC 061245

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTH LAKE, TEXAS 76092

SERVICE POINT: Oakley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
8/12/13	2	16	31			2:30p	5:00p	
LEASE	WELL #	LOCATION	COUNTY	STATE				
York	1-2	By 40 TAD Rd N70 280 E70	SOT	KS				
OLD OR NEW (Circle one) <u>NEW</u>			Union N70 280 2 E N70					

CONTRACTOR H.O. #2

TYPE OF JOB	<u>Surf</u>
HOLE SIZE	<u>12 1/4 T.D. 226</u>
CASING SIZE	<u>8 5/8 DEPTH 226</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	<u>15'</u>
PERFS.	
DISPLACEMENT	<u>13.44</u>

OWNER Same

CEMENT	
AMOUNT ORDERED	<u>170.6m 370 cc</u>
	<u>199 gal</u>

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Alan Ryan</u>
#	HELPER	<u>Wayne McElroy</u>
BULK TRUCK		
#	DRIVER	<u>Alex TWS</u>
BULK TRUCK		
#	DRIVER	

COMMON	<u>170</u>	@	<u>170</u>	<u>3043</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23</u>	<u>70</u>
CHLORIDE	<u>0</u>	@	<u>64</u>	<u>384</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		

REMARKS:

On by Cement, mix cement
Displace cement station

Cement did Cement

Thank You
Wayne McElroy

HANDLING	<u>183.87 CF</u>	@	<u>2</u>	<u>48</u>	<u>96</u>
MILEAGE	<u>200/ ml</u>	@	<u>8.39</u>	<u>1199</u>	<u>25</u>
				TOTAL	<u>5152</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1512 25</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>55</u>	@ <u>22</u> <u>423</u>
MANIFOLD	@	<u>235</u>
<u>Water 55</u>	@	<u>480</u> <u>242</u>
	@	
		TOTAL <u>2452 25</u>

CHARGE TO: Shakespear

STREET _____

CITY _____ STATE _____ ZIP _____

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 Doug Roberts

SIGNATURE Doug Roberts

SALES TAX (If Any) _____

TOTAL CHARGES 7,605 62

DISCOUNT 1,977 46 IF PAID IN 30 DAYS

\$5,628.15 Net.



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138292
Invoice Date: Aug 27, 2013
Page: 1

Bill To:

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

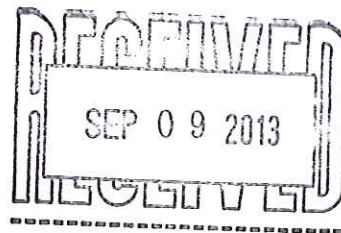
Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61290	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 27, 2013	9/26/13

Quantity	Item	Description	Unit Price	Amount
3.00	CEMENT MATERIALS	York #1-2	23.40	70.20
180.00	CEMENT MATERIALS	Gel	20.90	3,762.00
900.00	CEMENT MATERIALS	ASC	0.98	882.00
19.00	CEMENT MATERIALS	Gilsonite	26.35	500.65
127.00	CEMENT MATERIALS	Salt	10.30	1,308.10
233.39	CEMENT SERVICE	CD-31	2.48	578.81
556.60	CEMENT SERVICE	Cubic Feet	2.60	1,447.16
1.00	CEMENT SERVICE	Ton Mileage	2,765.75	2,765.75
55.00	CEMENT SERVICE	Production ✓	7.70	423.50
1.00	CEMENT SERVICE	Pump Truck Mileage	275.00	275.00
55.00	CEMENT SERVICE	Manifold Head Rental	4.40	242.00
1.00	CEMENT SERVICE	Light Vehicle Mileage	200.00	200.00
1.00	EQUIPMENT OPERATOR	Rotating Head Rental		
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	LaRene Wentz		
		Chris Helpingstine		

INT



10502-5

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

\$ 3,238.34

ONLY IF PAID ON OR BEFORE
Sep 21, 2013

Subtotal	12,455.17
Sales Tax	531.62
Total Invoice Amount	12,986.79
Payment/Credit Applied	
TOTAL	12,986.79

DW

ALLIED OIL & GAS SERVICES, LLC 061290

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:
Valley KS

DATE <u>8/27/13</u>	SEC <u>2</u>	TRV <u>16</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>11:30 a.m.</u>	JOB START <u>1:00 p.m.</u>	JOB FINISH <u>2:00 a.m.</u>
LEASE <u>York</u>	WELL # <u>1-2</u>	LOCATION <u> Hwy 4 Taos Rd N to 280 Gto</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>Union N to 290 2 E N into</u>			

CONTRACTOR <u>HO #2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u> T.D. <u>4630</u>	CEMENT
CASING SIZE <u>5 7/8</u> DEPTH <u>4630.09</u>	AMOUNT ORDERED <u>180 sks ASC</u>
TUBING SIZE DEPTH	<u>10% Salt 5# Gil. 2% gel</u>
DRILL PIPE DEPTH	<u>.75% CD3I</u>
TOOL <u>Part Collar</u> DEPTH <u>2253.54</u>	
PRES. MAX MINIMUM	COMMON 780 sks @ 780
MEAS. LINE SHOE JOINT <u>43.88</u>	POZMIX @
CEMENT LEFT IN CSG. <u>43.88</u>	GEL <u>3 sks</u> @ <u>23.40</u> <u>70.20</u>
PERFS.	CHLORIDE @
DISPLACEMENT <u>109.15 BBL</u>	ASC <u>180 sks</u> @ <u>20.90</u> <u>3762.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Paul Beaver</u>	
# <u>422</u> HELPER <u>Lahene Wentz</u>	
BULK TRUCK	
# <u>286/310</u> DRIVER <u>Chris Hilpry Stein</u>	
BULK TRUCK	
# DRIVER	

REMARKS:

~~mix 180 sks cement~~
Plug mt 20 sks
Plug ft 30 sks
mix 130 sks down casing
Displace with water
Land plug 1100 # 500' over lift pressure
Float did Hold

Thank You!

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

POZMIX @	
GEL <u>3 sks</u> @ <u>23.40</u>	<u>70.20</u>
CHLORIDE @	
ASC <u>180 sks</u> @ <u>20.90</u>	<u>3762.00</u>
	@
<u>Gilsonite 900 #</u> @ <u>.98</u>	<u>892.00</u>
<u>Salt 19 sks</u> @ <u>26.35</u>	<u>500.65</u>
<u>CD3I 127 #</u> @ <u>10.30</u>	<u>1308.10</u>
	@
	@
	@
	@
HANDLING <u>233.3943</u> @ <u>2.48</u>	<u>578.81</u>
MILEAGE <u>10.12 hrs x 5.55</u> @ <u>2.60</u>	<u>1447.16</u>
TOTAL	<u>8548.92</u>

SERVICE

DEPTH OF JOB _____	<u>4630'</u>
PUMP TRUCK CHARGE _____	<u>2765.75</u>
EXTRA FOOTAGE @ _____	
MILEAGE MILU <u>55</u> @ <u>7.70</u>	<u>423.50</u>
MANIFOLD Head @ _____	<u>275.00</u>
MILU <u>55</u> @ <u>4.40</u>	<u>242.00</u>
Rotating Head @ _____	<u>200.00</u>

TOTAL 3906.25

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 Doug Roberts
SIGNATURE Doug Roberts

SALES TAX (if Any) _____
TOTAL CHARGES 12455.17
DISCOUNT 3,230.84 IF PAID IN 30 DAYS
9,216.82 Net.



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138439
Invoice Date: Sep 5, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61314	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Sep 5, 2013	10/5/13

Quantity	Item	Description	Unit Price	Amount
205.00	CEMENT MATERIALS	York #1-2	17.90	3,669.50
110.00	CEMENT MATERIALS	Class A Common	9.35	1,028.50
22.00	CEMENT MATERIALS	Pozmix	23.40	514.80
70.00	CEMENT MATERIALS	Gel	2.97	207.90
643.50	CEMENT SERVICE	Flo Seal	2.48	1,595.88
1,452.55	CEMENT SERVICE	Cubic Feet	2.60	3,776.63
1.00	CEMENT SERVICE	Ton Mileage	2,483.59	2,483.59
55.00	CEMENT SERVICE	Port Collar ✓	7.70	423.50
55.00	CEMENT SERVICE	Pump Truck Mileage	4.40	242.00
1.00	CEMENT SUPERVISOR	Light Vehicle Mileage		
1.00	EQUIPMENT OPERATOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Paul Beaver		
		Chris Helpingstine		

INT



10502-5

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

\$ 3,624.99 ✓

ONLY IF PAID ON OR BEFORE
Sep 30, 2013

Subtotal	13,942.30
Sales Tax	441.79
Total Invoice Amount	14,384.09
Payment/Credit Applied	
TOTAL	14,384.09

DW

ALLIED OIL & GAS SERVICES, LLC 061314

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:

Oakley

DATE <u>9-5-13</u>	SEC. <u>2</u>	TWP. <u>16</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30 Am</u>	JOB FINISH <u>11:30 Am</u>
LEASE <u>York</u>	WELL # <u>1-2</u>	LOCATION <u>Healy W 70 T 405 Rd</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)			<u>N70 280 E. 70th N10th N70 190 25 N10th</u>				

CONTRACTOR Wild west
 TYPE OF JOB Port collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE _____ DEPTH _____
 TUBING SIZE 2 7/8 DEPTH 2253.54
 DRILL PIPE _____ DEPTH _____
 TOOL Port collar DEPTH 2253.54
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 8.78

OWNER same
 CEMENT
 AMOUNT ORDERED 550 sks 65/65 8/8 8/2
14 Flo-seal 1000# hulls
 COMMON 205 sks @ 12.90 3669.50
 POZMIX 110 sks @ 9.35 1028.50
 GEL 22 sks @ 23.40 514.80
 CHLORIDE @ _____
 ASC @ _____
Flo-seal 70# @ 2.97 207.90
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING 1,43.50 @ 2.48 1596.88
 MILEAGE 26,411 @ 55 376.43
 TOTAL 10,193.21

REMARKS:

Pressure system 1200th open Port collar
Pump 80 gpm mid. mix 915 sks cement
with 100# hulls to circulate cement to
surface, close port collar, Pressure
to 1200th, Run 4 joints Reverse
clean, 1000th lift mixing cement
Cement did circulate to pit

SERVICE

DEPTH OF JOB 2253.54
 PUMP TRUCK CHARGE 2483.59
 EXTRA FOOTAGE @ _____
 MILEAGE 55 @ 2.20 423.50
 MANIFOLD @ _____
Life Vehicle @ 4.40 242.00
 @ _____

TOTAL 3149.09

CHARGE TO: shakespear
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 13,942.30
 DISCOUNT 3,624.99 IF PAID IN 30 DAYS
10,317.30 Net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16-31 Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52798

DST#: 1

ATTN: Tim Priest

Test Start: 2013.08.17 @ 21:55:00

GENERAL INFORMATION:

Formation: **LKC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:40

Time Test Ended: 05:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3924.00 ft (KB) To 3950.00 ft (KB) (TVD)

Reference Elevations: ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2866.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8018 Inside

Press @ Run Depth: 66.43 psig @ 3931.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.17

End Date: 2013.08.18

Last Calib.: 2013.08.18

Start Time: 21:55:02

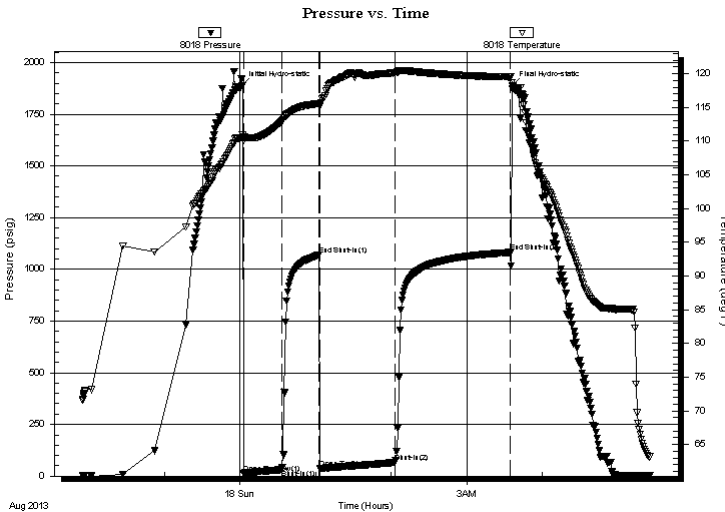
End Time: 05:25:30

Time On Btm: 2013.08.18 @ 00:01:10

Time Off Btm: 2013.08.18 @ 03:36:20

TEST COMMENT: 1 1/2" Blow .
No return.
2" Blow .
No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.35	110.56	Initial Hydro-static
2	13.41	110.05	Open To Flow (1)
32	31.66	112.90	Shut-In(1)
62	1069.91	115.57	End Shut-In(1)
62	37.04	115.14	Open To Flow (2)
122	66.43	120.14	Shut-In(2)
214	1082.44	119.51	End Shut-In(2)
216	1888.45	118.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .177 @ 60 Degrees F = 50000 PPM	0.00
60.00	MW 30m 70w	0.30
60.00	OSMW 15m 85w	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

S2-16-31 Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52798

DST#: 1

ATTN: Tim Priest

Test Start: 2013.08.17 @ 21:55:00

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:

50000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .177 @ 60 Degrees F = 50000 PPM	0.000
60.00	MW 30m 70w	0.295
60.00	OSMW 15m 85w	0.295

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

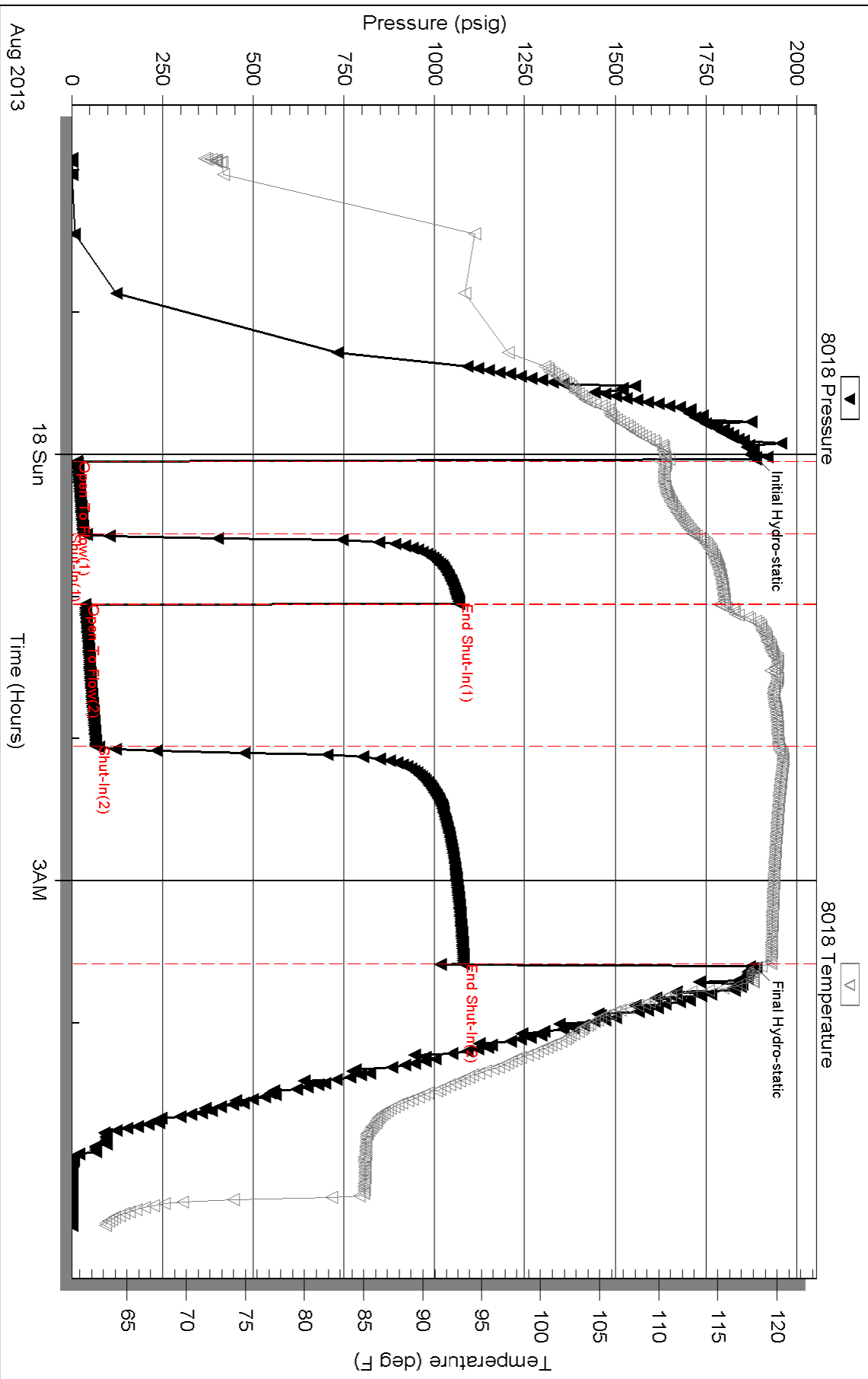
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16-31 Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52799

DST#: 2

ATTN: Tim Priest

Test Start: 2013.08.18 @ 14:10:00

GENERAL INFORMATION:

Formation: **LKC 'B'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:54:30
 Tester: Chuck Smith
 Time Test Ended: 19:46:09
 Unit No: 62
 Interval: **3946.00 ft (KB) To 3972.00 ft (KB) (TVD)**
 Reference Elevations: 2876.00 ft (KB)
 Total Depth: 3972.00 ft (KB) (TVD)
 2866.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

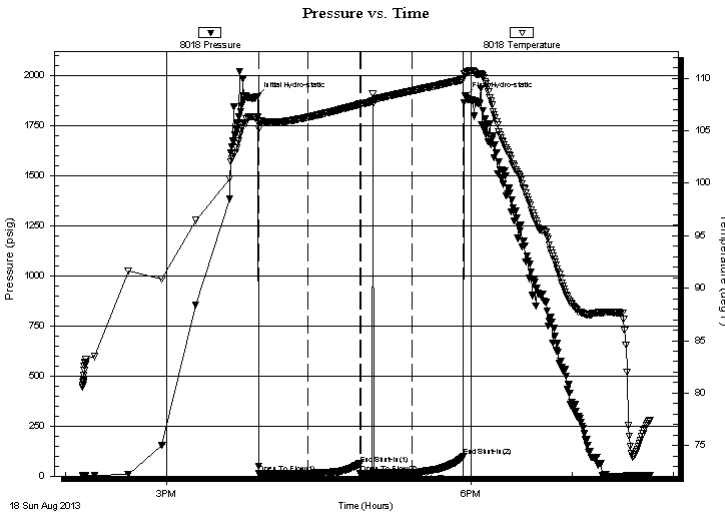
Serial #: 8018

Inside

Press @ Run Depth: 16.27 psig @ 3953.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.18 End Date: 2013.08.18 Last Calib.: 2013.08.18
 Start Time: 14:10:02 End Time: 19:46:10 Time On Btm: 2013.08.18 @ 15:52:50
 Time Off Btm: 2013.08.18 @ 17:56:20

TEST COMMENT: Weak surface blow died @ 20 min.
 No return.
 No blow, flushed tool, surge died.
 No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.40	106.26	Initial Hydro-static
2	13.44	105.70	Open To Flow (1)
31	14.31	106.28	Shut-In(1)
62	61.19	107.52	End Shut-In(1)
62	14.35	107.51	Open To Flow (2)
93	16.27	108.80	Shut-In(2)
123	96.39	109.88	End Shut-In(2)
124	1895.82	110.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	VSOCM 1 to 99m	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.

S2-16-31 Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52799

DST#: 2

ATTN: Tim Priest

Test Start: 2013.08.18 @ 14:10:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 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
1.00	VSOCM 1o 99m	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

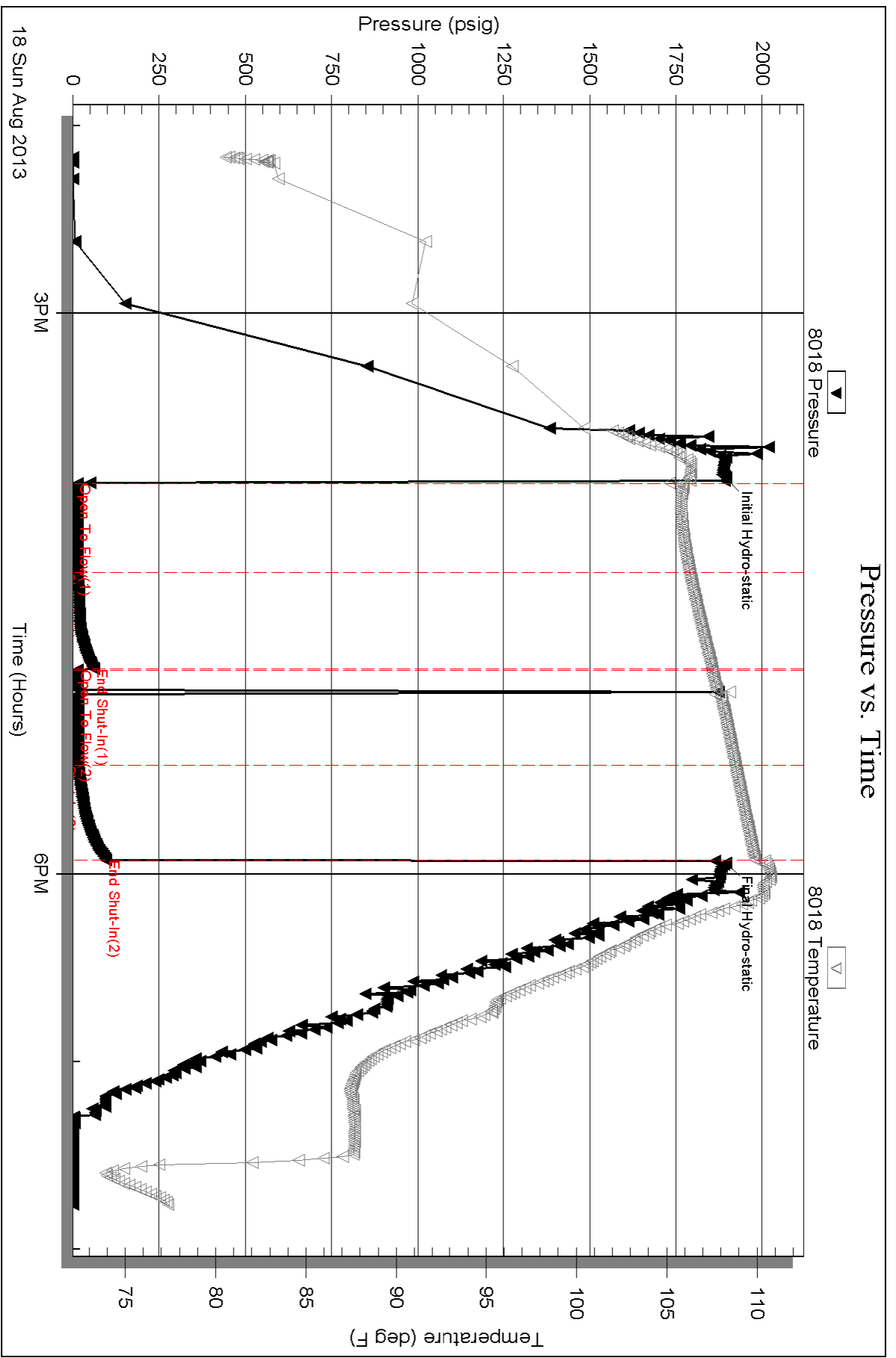
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53038

DST#: 3

ATTN: Tim Priest

Test Start: 2013.08.19 @ 08:23:00

GENERAL INFORMATION:

Formation: **Lansing "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:32:50

Time Test Ended: 14:37:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 62

Interval: 4008.00 ft (KB) To 4024.00 ft (KB) (TVD)

Reference Elevations: 2876.00 ft (KB)

Total Depth: 4024.00 ft (KB) (TVD)

2866.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 21.62 psig @ 4011.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.19

End Date:

2013.08.19

Last Calib.:

2013.08.19

Start Time: 08:23:02

End Time:

14:37:10

Time On Btm:

2013.08.19 @ 10:32:40

Time Off Btm:

2013.08.19 @ 13:03:09

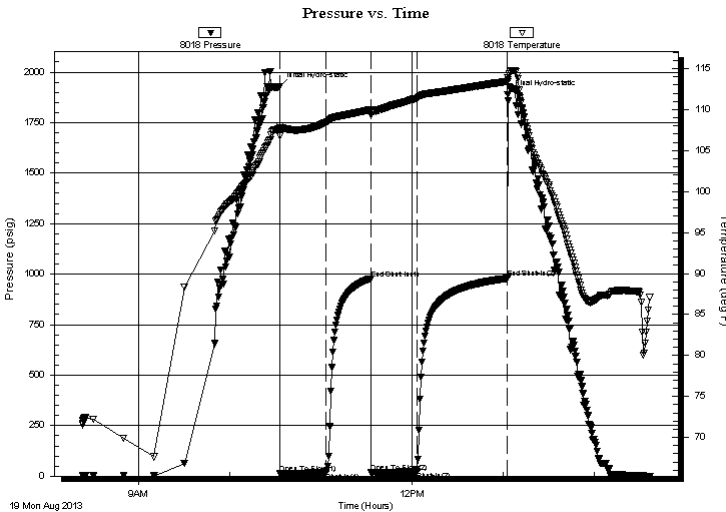
TEST COMMENT: IF: Surface blow -Died in 10 mins.

IS: No return

FF: No blow

FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.46	107.97	Initial Hydro-static
1	12.81	106.74	Open To Flow (1)
31	16.75	108.42	Shut-In(1)
61	978.17	109.99	End Shut-In(1)
61	17.55	109.34	Open To Flow (2)
91	21.62	111.37	Shut-In(2)
151	979.42	113.45	End Shut-In(2)
151	1889.96	113.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m	0.02

* 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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53038

DST#: 3

ATTN: Tim Priest

Test Start: 2013.08.19 @ 08:23:00

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
5.00	mud 100m	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:

Serial #: 8018

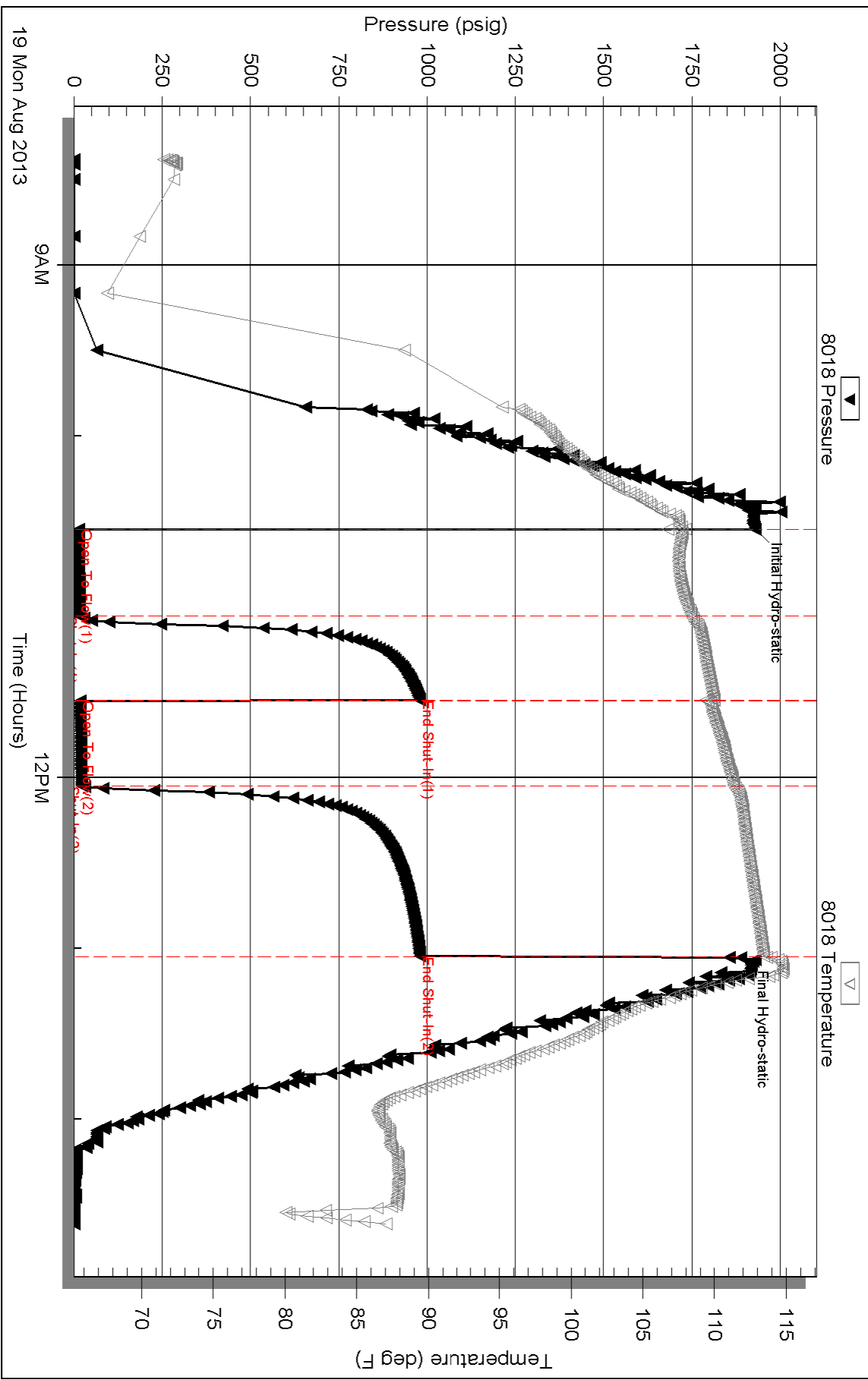
Inside

Shakespeare Oil Co., Inc.

York #1-2

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53038

Printed: 2013.08.19 @ 15:25:08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53039

DST#: 4

ATTN: Tim Priest

Test Start: 2013.08.20 @ 05:37:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:17:00

Time Test Ended: 14:00:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 62

Interval: 4094.00 ft (KB) To 4130.00 ft (KB) (TVD)

Reference Elevations: 2876.00 ft (KB)

Total Depth: 4130.00 ft (KB) (TVD)

2866.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018 Inside

Press @ Run Depth: 82.30 psig @ 4098.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.20 End Date: 2013.08.20

Last Calib.: 2013.08.20

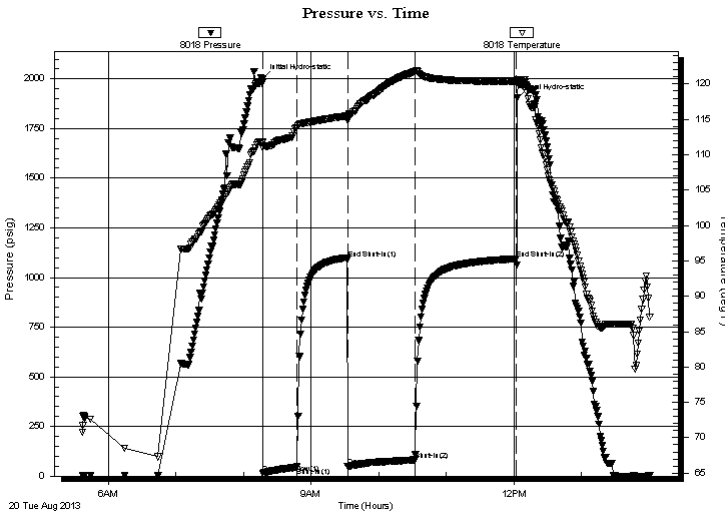
Start Time: 05:37:02 End Time: 14:00:20

Time On Btm: 2013.08.20 @ 08:16:50

Time Off Btm: 2013.08.20 @ 12:02:50

TEST COMMENT: IF: 2 1/2 in. of blow
IS: Bled off in 1 min. - No return
FF: Surface blow after 5 min. open-built to 3 1/2 in. of blow
FS: Bled off in 2 1/2 min. - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.99	111.77	Initial Hydro-static
1	15.36	111.05	Open To Flow (1)
31	46.12	113.86	Shut-In(1)
76	1092.64	115.49	End Shut-In(1)
76	49.72	114.84	Open To Flow (2)
136	82.30	121.79	Shut-In(2)
225	1094.34	120.42	End Shut-In(2)
226	1902.65	120.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mw 30m 70w	0.30
60.00	Om 15o 85m	0.30
30.00	Om 15o 85m	0.42
0.00	Rw .18 @ 87 degrees 28000 ppm	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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53039

DST#: 4

ATTN: Tim Priest

Test Start: 2013.08.20 @ 05:37:00

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:

28000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 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
60.00	Mw 30m 70w	0.295
60.00	Om 15o 85m	0.304
30.00	Om 15o 85m	0.421
0.00	Rw .18 @ 87 degrees 28000 ppm	0.000

Total Length: 150.00 ft

Total Volume: 1.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

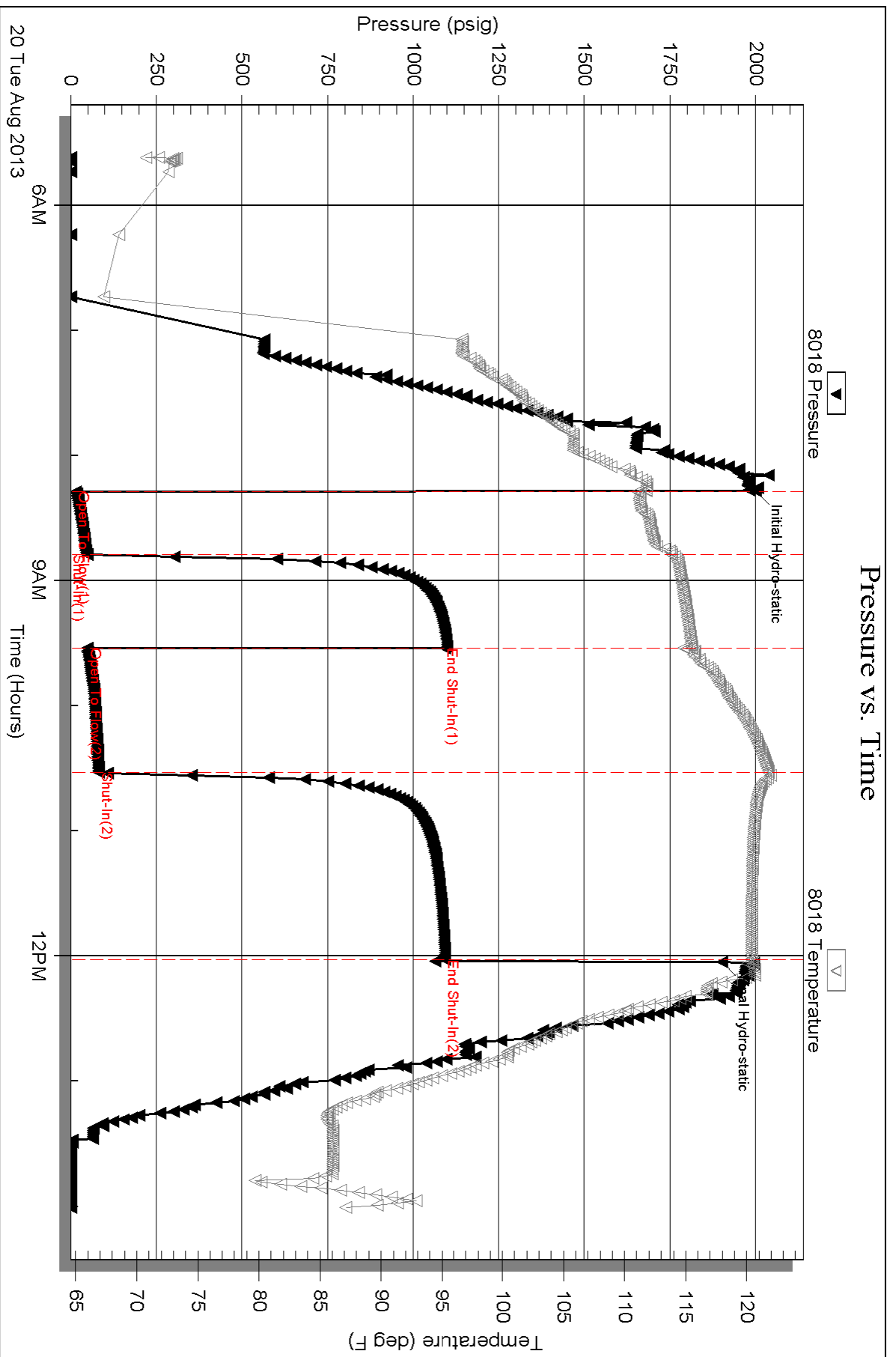
Serial #: 8018

Inside

Shakespeare Oil Co., Inc.

York #1-2

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53040

DST#: 5

ATTN: Tim Priest

Test Start: 2013.08.21 @ 00:30:00

GENERAL INFORMATION:

Formation: **Lkc "I"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 03:09:10
 Tester: Cornelio Landa III (
 Time Test Ended: 08:49:09
 Unit No: 62
 Interval: **4124.00 ft (KB) To 4160.00 ft (KB) (TVD)**
 Reference Elevations: 2876.00 ft (KB)
 Total Depth: 4160.00 ft (KB) (TVD)
 2866.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 10.00 ft

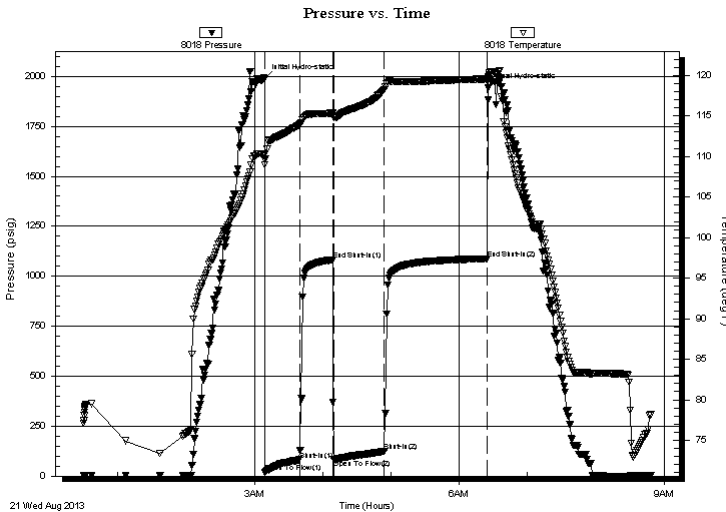
Serial #: 8018

Inside

Press @ RunDepth: 125.51 psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.21 End Date: 2013.08.21 Last Calib.: 2013.08.21
 Start Time: 00:30:02 End Time: 08:49:10 Time On Btm: 2013.08.21 @ 03:09:00
 Time Off Btm: 2013.08.21 @ 06:25:30

TEST COMMENT: IF: B.o.b. in 17 min.
 IS: Bled off in 3 1/2 mins.- Surface blow back after 2 min. open-died in 8 min.
 FF: B.o.b. in 14 mins.
 FS: Bled off in 3 1/2 mins.- Surface blow back after 2 min. open-built to 1/2 in.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.46	110.20	Initial Hydro-static
1	17.28	108.99	Open To Flow (1)
31	81.21	113.92	Shut-In(1)
61	1082.43	115.35	End Shut-In(1)
61	84.57	114.87	Open To Flow (2)
106	125.51	118.26	Shut-In(2)
196	1087.74	119.54	End Shut-In(2)
197	1941.50	119.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gmo 10g 20m 70o	0.30
60.00	Go 30g 70o	0.30
120.00	Go 30g 70o	1.68
60.00	Go 50g 50o	0.84
0.00	360 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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53040

DST#: 5

ATTN: Tim Priest

Test Start: 2013.08.21 @ 00:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	Gmo 10g 20m 70o	0.295
60.00	Go 30g 70o	0.304
120.00	Go 30g 70o	1.683
60.00	Go 50g 50o	0.842
0.00	360 GIP	0.000

Total Length: 300.00 ft

Total Volume: 3.124 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 36 Gravity

Serial #: 8018

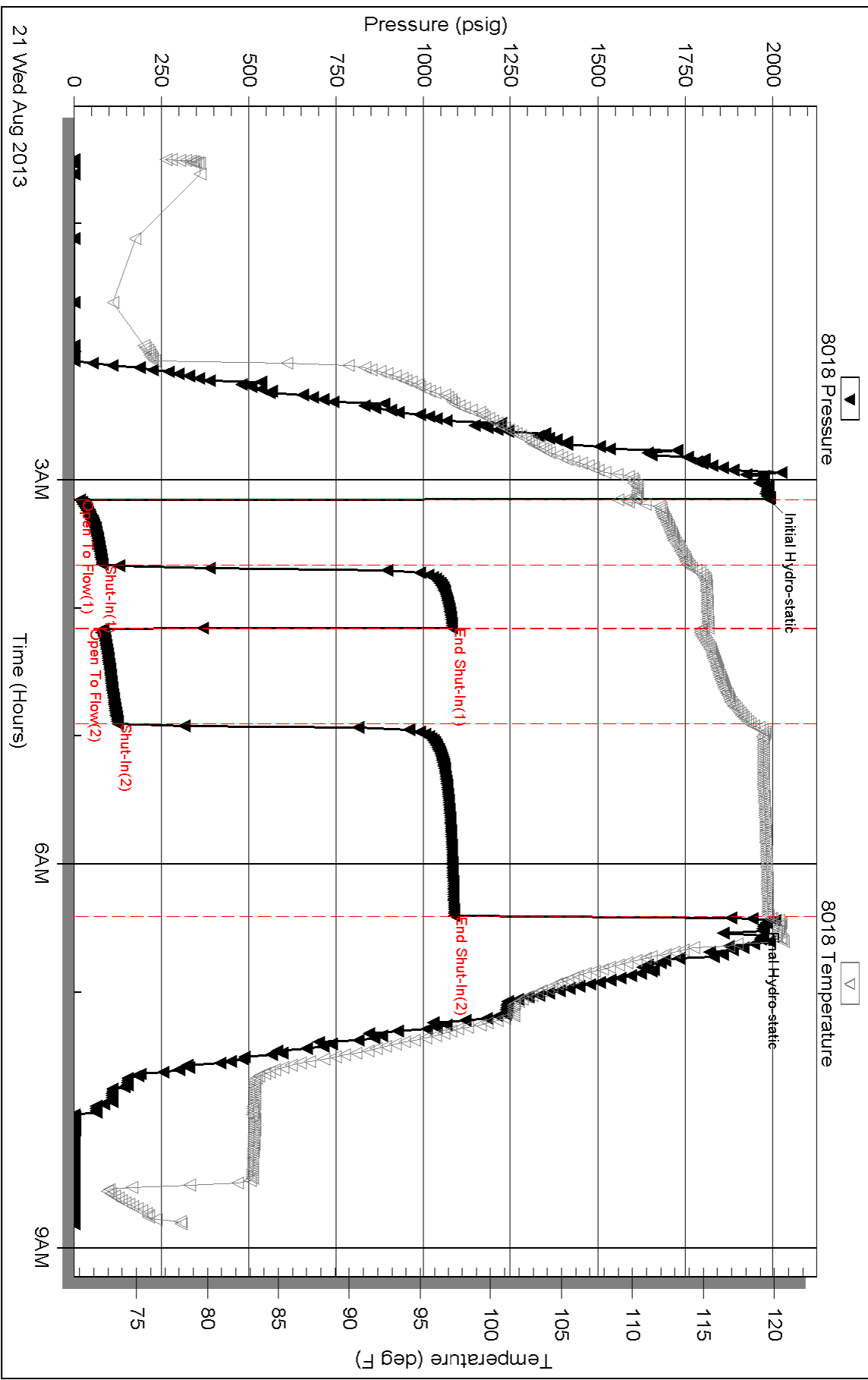
Inside

Shakespeare Oil Co., Inc.

York #1-2

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53040

Printed: 2013.08.21 @ 09:23:00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53041

DST#: 6

ATTN: Tim Priest

Test Start: 2013.08.21 @ 16:21:00

GENERAL INFORMATION:

Formation: **Lkc "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:37:20
 Time Test Ended: 00:01:39
 Interval: **4160.00 ft (KB) To 4190.00 ft (KB) (TVD)**
 Total Depth: 4190.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III (
 Unit No: 62
 Reference Elevations: 2876.00 ft (KB)
 2866.00 ft (CF)
 KB to GR/CF: 10.00 ft

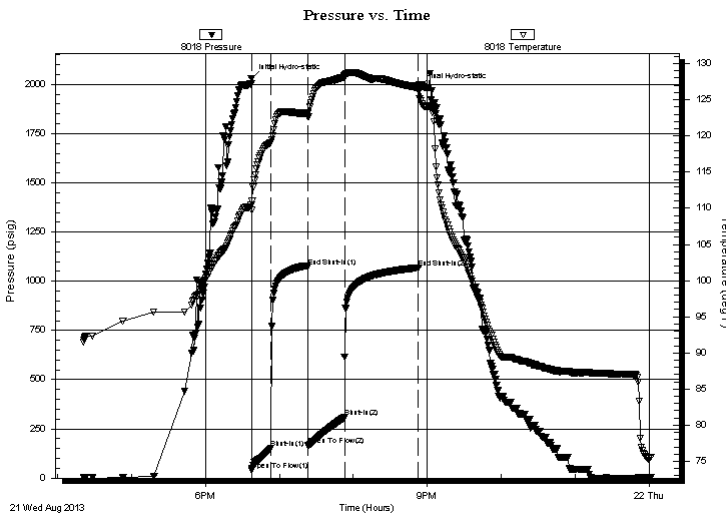
Serial #: 8018

Inside

Press @ RunDepth: 308.22 psig @ 4162.00 ft (KB)
 Start Date: 2013.08.21 End Date: 2013.08.22
 Start Time: 16:21:02 End Time: 00:01:40
 Capacity: 8000.00 psig
 Last Calib.: 2013.08.22
 Time On Btm: 2013.08.21 @ 18:37:10
 Time Off Btm: 2013.08.21 @ 20:53:09

TEST COMMENT: IF: B.o.b. in 3 min.
 IS: Bled off in 7 min.-8 1/2 in blow back
 FF: B.o.b. in 1 min.
 FS: Bled off in 5 min.-B.o.b. in 22 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.60	110.46	Initial Hydro-static
1	40.34	109.74	Open To Flow (1)
16	154.04	119.08	Shut-In(1)
46	1072.96	123.16	End Shut-In(1)
46	165.39	122.70	Open To Flow (2)
76	308.22	128.14	Shut-In(2)
136	1065.92	126.67	End Shut-In(2)
136	1983.76	126.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mog 20m 20o 60g	0.30
60.00	Og 40o 60g	0.30
720.00	Go 30g 70o	9.55
0.00	1080 GIP	0.00

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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53041

DST#: 6

ATTN: Tim Priest

Test Start: 2013.08.21 @ 16:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	Mog 20m 20o 60g	0.295
60.00	Og 40o 60g	0.295
720.00	Go 30g 70o	9.553
0.00	1080 GIP	0.000

Total Length: 840.00 ft

Total Volume: 10.143 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8018

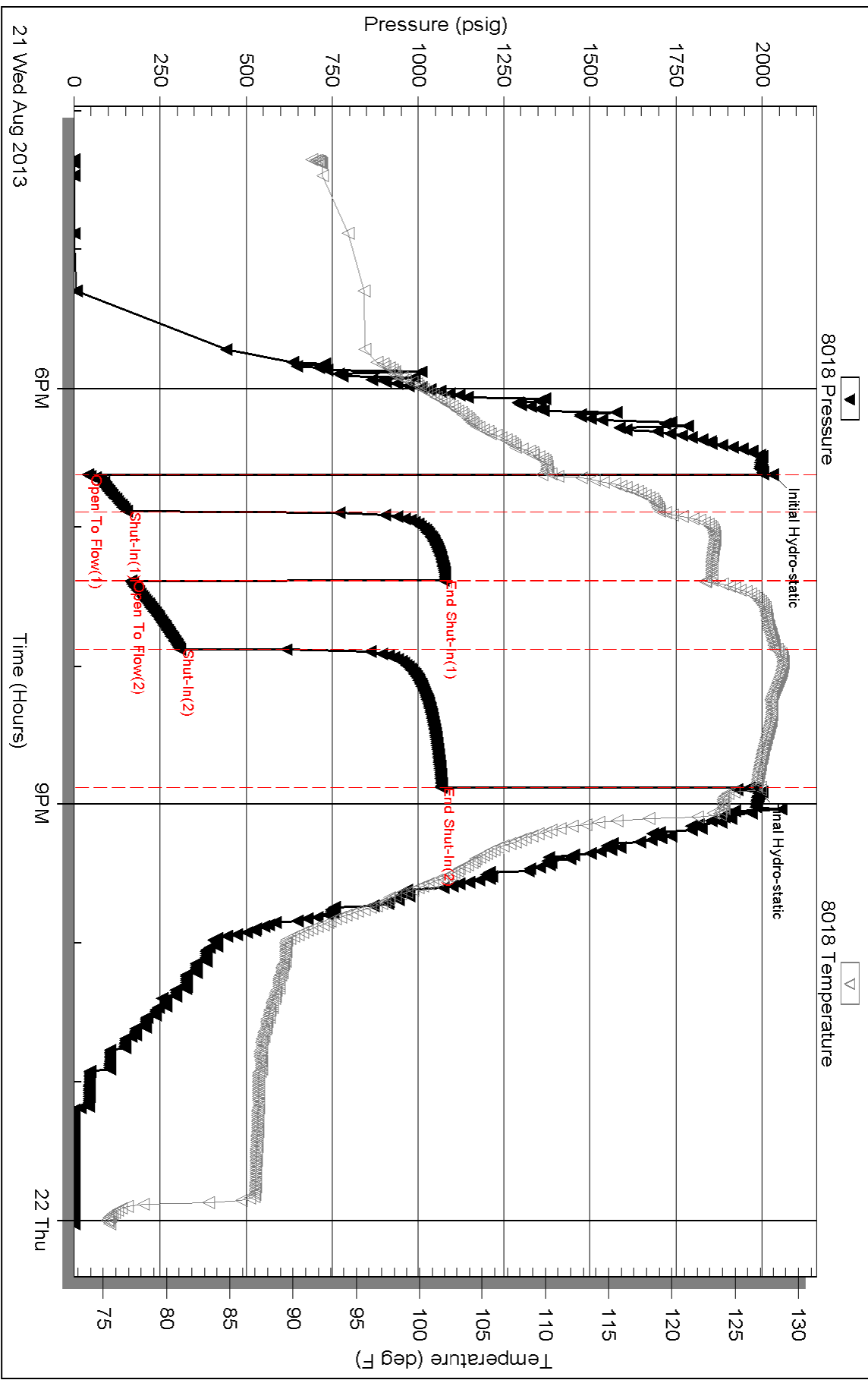
Inside

Shakespeare Oil Co., Inc.

York #1-2

DST Test Number: 6

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53041

Printed: 2013.08.22 @ 07:47:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53042

DST#: 7

ATTN: Tim Priest

Test Start: 2013.08.22 @ 11:07:00

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:23:20
 Time Test Ended: 17:57:39
 Interval: **4189.00 ft (KB) To 4220.00 ft (KB) (TVD)**
 Total Depth: 4220.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III
 Unit No: 62
 Reference Elevations: 2876.00 ft (KB)
 2866.00 ft (CF)
 KB to GR/CF: 10.00 ft

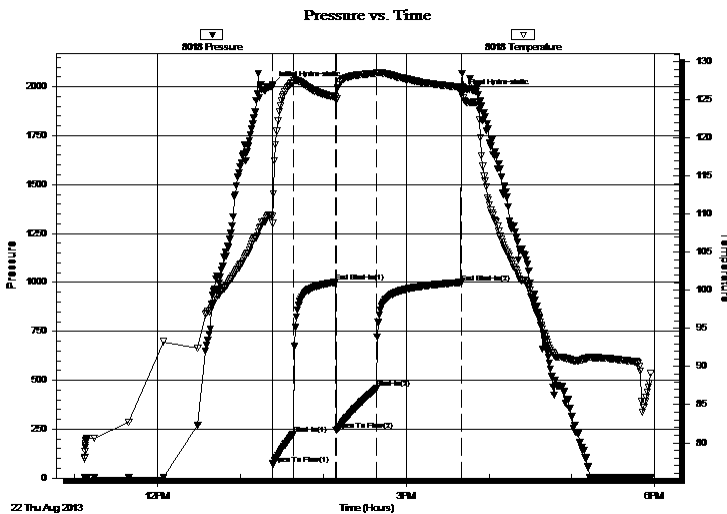
Serial #: 8018

Inside

Press @ Run Depth: 458.04 psig @ 4196.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.22 End Date: 2013.08.22 Last Calib.: 2013.08.23
 Start Time: 11:07:02 End Time: 17:57:40 Time On Btm: 2013.08.22 @ 13:23:10
 Time Off Btm: 2013.08.22 @ 15:40:20

TEST COMMENT: IF: B.o.b. in 3 min.
 IS: Bled off in 2 min.-surface blow back-died in 13 min.
 FF: B.o.b. in 3 1/2 min.
 FS: Bled off in 1 min.-No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.48	109.74	Initial Hydro-static
1	72.64	108.79	Open To Flow (1)
15	224.44	127.32	Shut-In(1)
46	1000.74	125.34	End Shut-In(1)
46	246.13	124.92	Open To Flow (2)
76	458.04	128.45	Shut-In(2)
137	999.89	126.64	End Shut-In(2)
138	1963.33	126.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Gmw with oil specs 5g 25m 70w	3.12
420.00	Gmw 5g 5m 90w	5.89
120.00	Gw m 5g 20w 75m	1.68

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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 53042

DST#: 7

ATTN: Tim Priest

Test Start: 2013.08.22 @ 11:07:00

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:

60000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
300.00	Gmw with oil specs 5g 25m 70w	3.124
420.00	Gmw 5g 5m 90w	5.891
120.00	Gw m 5g 20w 75m	1.683

Total Length: 840.00 ft Total Volume: 10.698 bbl

Num Fluid Samples: 0

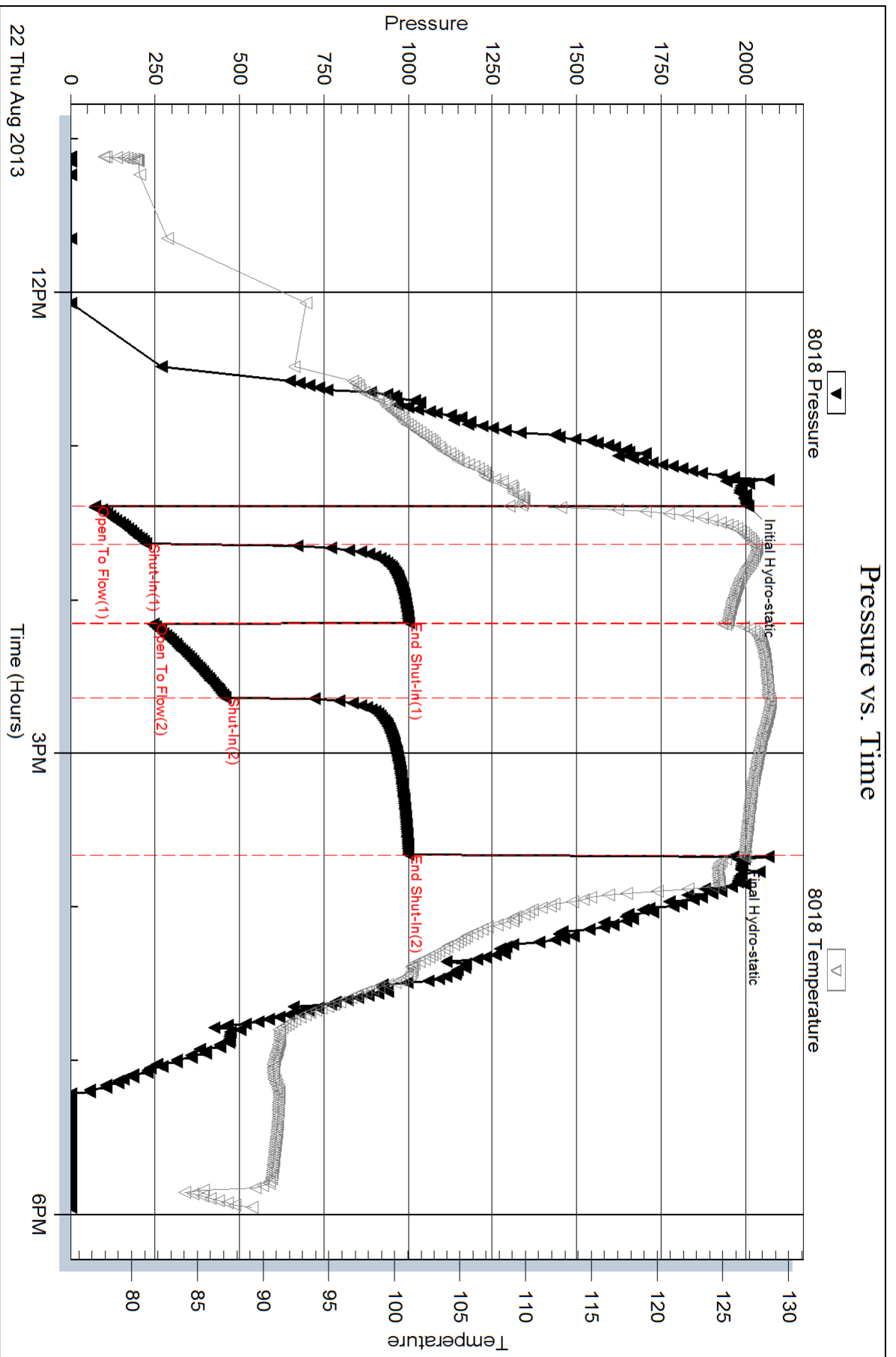
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .09 @ 95 Degrees F = 60000 PPM





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52800

DST#: 8

ATTN: Tim Priest

Test Start: 2013.08.23 @ 03:02:00

GENERAL INFORMATION:

Formation: **LKC 'L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:50

Time Test Ended: 11:32:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4223.00 ft (KB) To 4254.00 ft (KB) (TVD)

Reference Elevations: 2876.00 ft (KB)

Total Depth: 4254.00 ft (KB) (TVD)

2866.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 243.30 psig @ 4230.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.23

End Date: 2013.08.23

Last Calib.: 2013.08.23

Start Time: 03:02:02

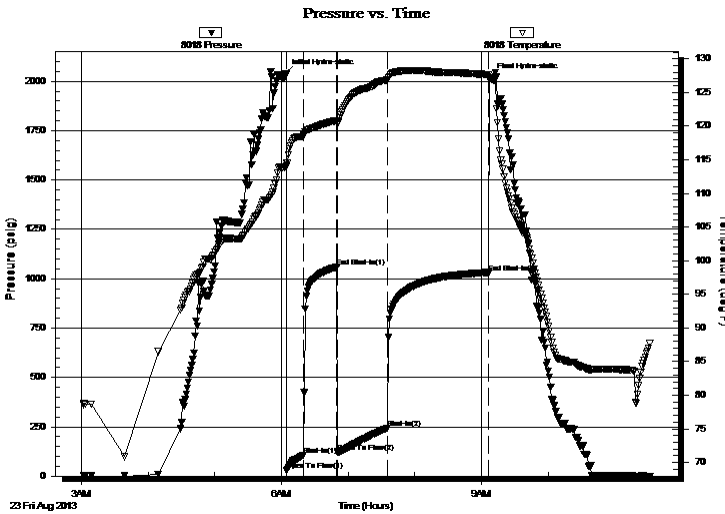
End Time: 11:32:00

Time On Btm: 2013.08.23 @ 06:03:10

Time Off Btm: 2013.08.23 @ 09:07:30

TEST COMMENT: B.O.B. @ 7 min.
5" Return.
B.O.B. @ 9 min.
2 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.91	113.76	Initial Hydro-static
2	30.02	114.06	Open To Flow (1)
17	106.25	118.48	Shut-In(1)
47	1059.87	120.83	End Shut-In(1)
48	118.99	120.43	Open To Flow (2)
93	243.30	126.87	Shut-In(2)
183	1031.46	127.60	End Shut-In(2)
185	2021.47	126.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCO 10g 40m 50o	0.30
618.00	GO 20g 80o	7.58
0.00	475' GIP	0.00

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.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52800

DST#: 8

ATTN: Tim Priest

Test Start: 2013.08.23 @ 03:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMCO 10g 40m 50o	0.305
618.00	GO 20g 80o	7.576
0.00	475' GIP	0.000

Total Length: 680.00 ft Total Volume: 7.881 bbl

Num Fluid Samples: 0

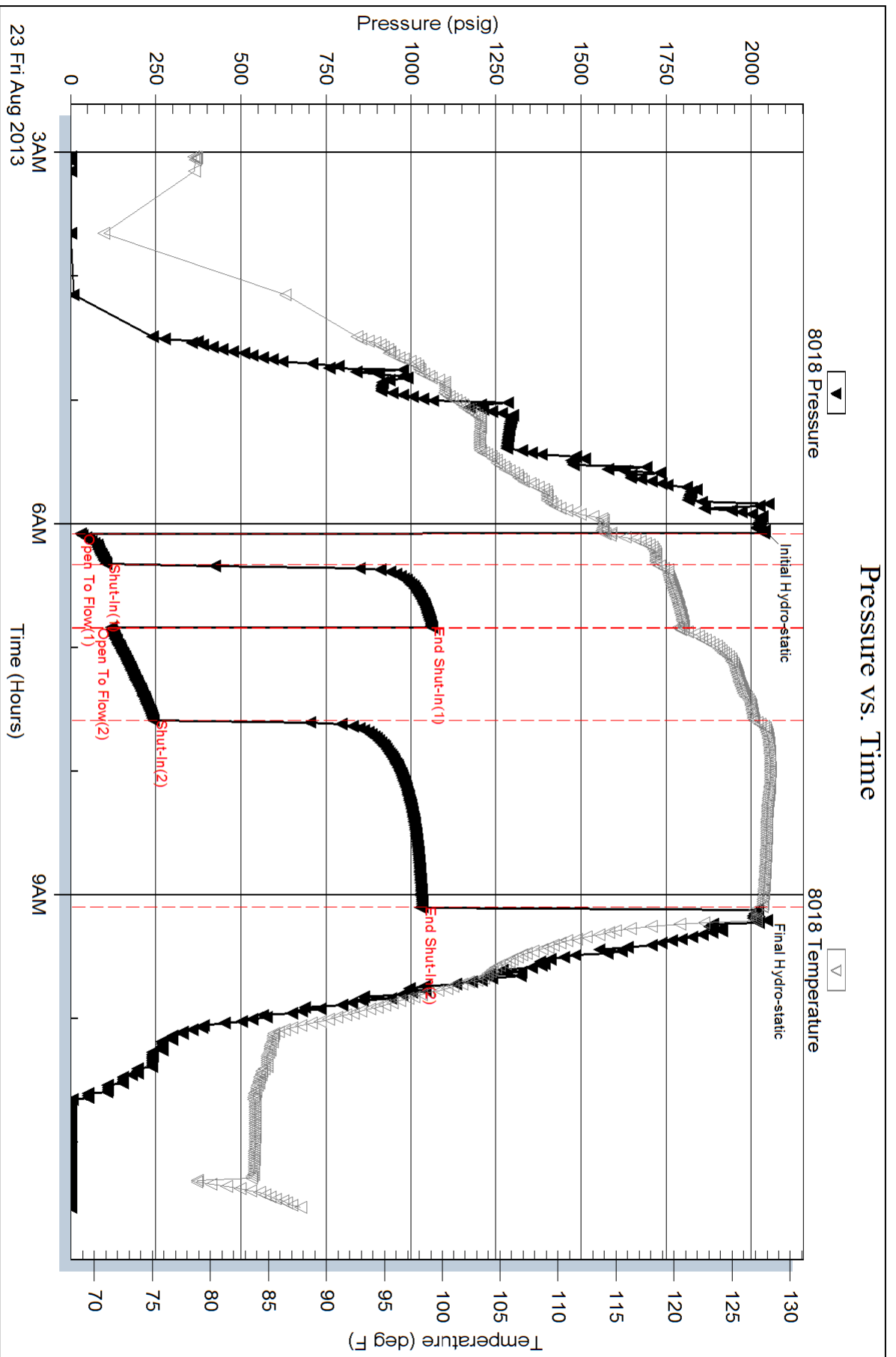
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 37 @ 90 Degrees F = 34.





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52926

DST#: 9

ATTN: Tim Priest

Test Start: 2013.08.25 @ 06:15:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:55:20
 Tester: Chuck Smith
 Time Test Ended: 14:48:40
 Unit No: 62
 Interval: **4512.00 ft (KB) To 4535.00 ft (KB) (TVD)**
 Reference Elevations: 2876.00 ft (KB)
 Total Depth: 4535.00 ft (KB) (TVD)
 2866.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

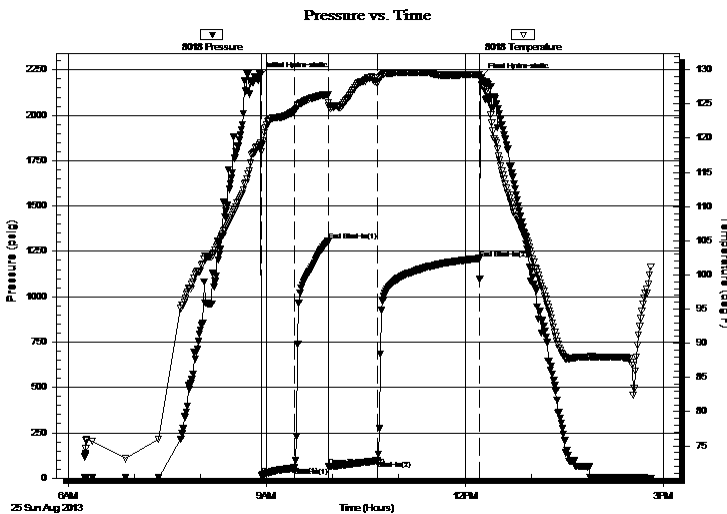
Serial #: 8018

Inside

Press @ Run Depth: 95.81 psig @ 4519.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.25 End Date: 2013.08.25 Last Calib.: 2013.08.25
 Start Time: 06:15:02 End Time: 14:48:40 Time On Btm: 2013.08.25 @ 08:53:50
 Time Off Btm: 2013.08.25 @ 12:14:20

TEST COMMENT: B.O.B. @ 22 min.
 2" Return.
 B.O.B. @ 23 min.
 3" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.25	119.00	Initial Hydro-static
2	15.56	118.03	Open To Flow (1)
32	57.10	124.04	Shut-In(1)
62	1305.44	126.38	End Shut-In(1)
63	65.06	124.73	Open To Flow (2)
107	95.81	127.95	Shut-In(2)
200	1210.56	129.31	End Shut-In(2)
201	2206.39	128.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	GMCO 15g 20m 65o	1.43
0.00	440' 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

FLUID SUMMARY

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52926

DST#: 9

ATTN: Tim Priest

Test Start: 2013.08.25 @ 06:15:00

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: 63.00 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
220.00	GMCO 15g 20m 65o	1.428
0.00	440' Weak GIP	0.000

Total Length: 220.00 ft Total Volume: 1.428 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

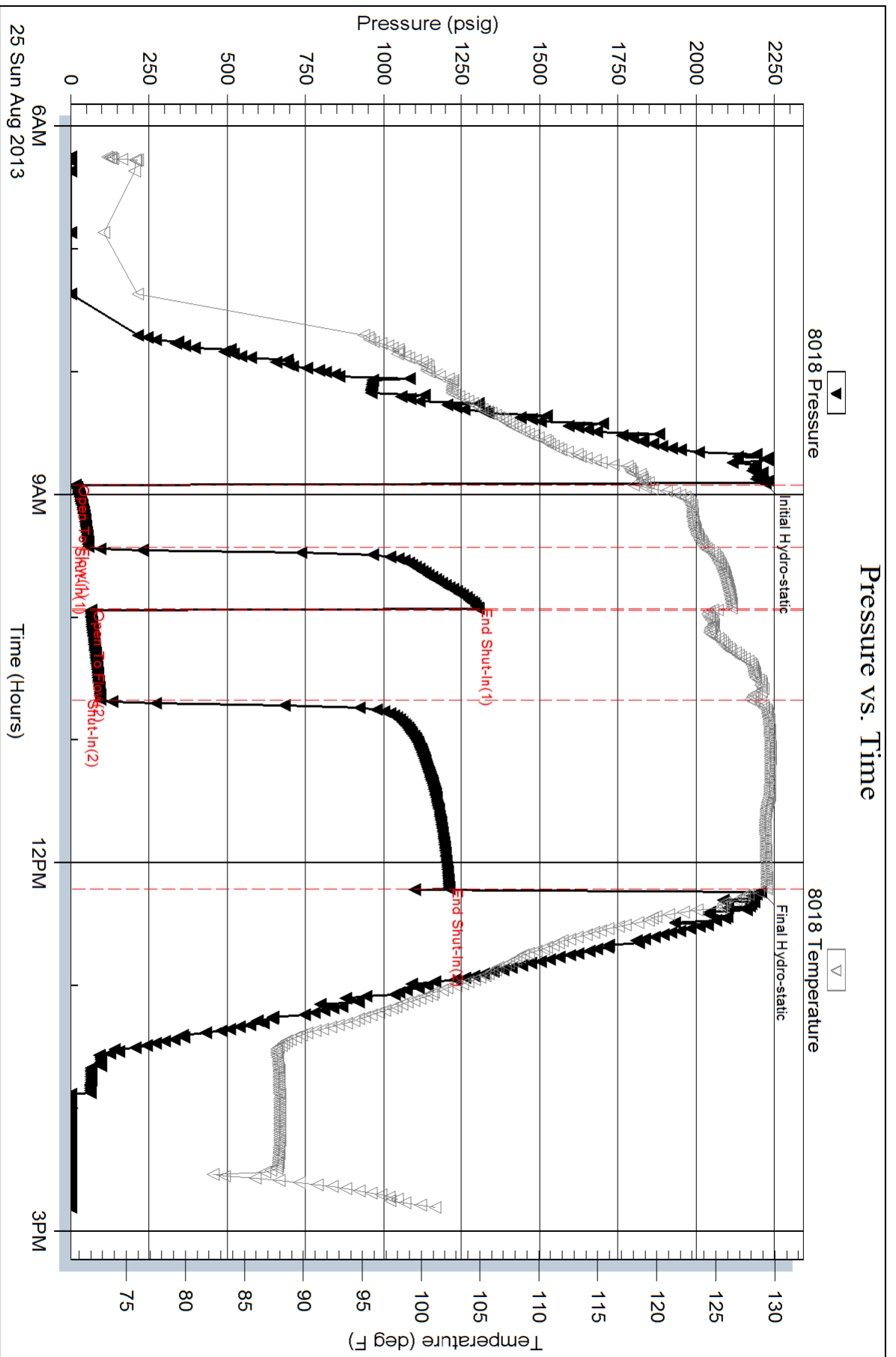
Serial #: 8018

Inside

Shakespeare Oil Co., Inc.

York #1-2

DST Test Number: 9



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **SHAKESPARE OIL CO.**
 LEASE **York L-2**
 FIELD **Wildcat**
 LOCATION **1734 FSL, 1348' FFL**
 SEC **2** TWP **16S** RGE **31W**
 COUNTY **Scott** STATE **Kansas**

CONTRACTOR **HD Rig #2**
 SPUD **8-14-13** COMP **8-26-13**
 RTD **4630'** LTD **4630'**
 MUD UP **3600'** TYPE MUD **Chemical**
 SAMPLES SAVED FROM **3700'** to **RTD**
 DRILLING TIME KEPT FROM **3700'** to **RTD**
 SAMPLES EXAMINED FROM **3700'** to **RTD**
 GEOLOGICAL SUPERVISION FROM **3800'** to **RTD**
 GEOLOGIST ON WELL **Tim Priest**

FORMATION TOPS
 Anhydrite 2291 (+585)
 Heabner Shale 3891 (-1015)
 Lansing 3930 (-1034)
 Stark Shale 4190 (-1311)
 BKC 4279 (-1403)
 Fort Scott 4447 (-1571)
 Mississippian 4533 (-1677)

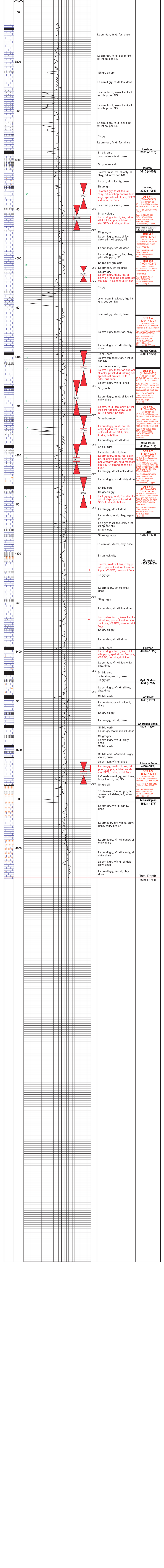
ELEVATIONS
 KB 2876'
 DF _____
 GL 2866'

MEASUREMENTS ARE ALL FROM **KB**
 CASING CONDUCTION **N/A**
 SURFACE **8-5/8" @ 223'**
 PRODUCTION **5-1/2" @ 4630'**

REMARKS Due to the positive results of DSTs, it was decided to set production casing to further test the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-171-20967-00-00



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 07, 2013

Don Williams
Shakespeare Oil Co., Inc.
202 W MAIN ST
SALEM, IL 62881-1519

Re: ACO1
API 15-171-20967-00-00
York 1-2
SE/4 Sec.02-16S-31W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Don Williams