

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1243180
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: _____

1243180

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: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 2-28
Doc ID	1243180

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 2-28
Doc ID	1243180

Tops

Name	Top	Datum
Base Anhydrite	2126	+556
Heebner	3623	-941
Lansing	3659	-977
Muncie Creek	3819	-1137
Stark Shale	3910	-1228
Hushpuckney	3946	-1264
Pawnee	4114	-1432
Cherokee Shale	4194	-1512
Johnson	4235	-1553
Mississippian	4302	-1620



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 148088
Invoice Date: Jan 4, 2015
Page: 1

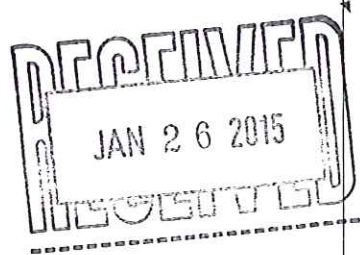
Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	63610	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Jan 4, 2015	2/3/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ottley #2-28		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
338.00	CEMENT MATERIALS	Gel	0.50	169.00
507.00	CEMENT MATERIALS	Chloride	1.10	557.70
194.64	CEMENT SERVICE	Cubic Feet Charge	2.48	482.71
177.60	CEMENT SERVICE	Ton Mileage Charge	2.75	488.40
1.00	CEMENT SERVICE	Surface	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	Dustin Chambers		
1.00	OPERATOR ASSISTANT	Brian Lang		
1.00	OPERATOR ASSISTANT	Patrick Walker		

INT



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

\$ 1,668.52

ONLY IF PAID ON OR BEFORE Feb 3, 2015

Subtotal	6,674.06
Sales Tax	302.08
Total Invoice Amount	6,976.14
Payment/Credit Applied	
TOTAL	6,976.14

\$2135.71 @ 32% disc
(credit)
↓ \$467.19

DW
10502-5
KW

ALLIED OIL & GAS SERVICE, LLC 063610

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

1-4-15 Great Bend, KS
1-5-15

DATE <u>1-4-15</u>	SEC. <u>28</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:00pm</u>	JOB START <u>12:30 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>OTTLEY</u>		WELL # <u>2-28</u>		LOCATION <u>outley 205 to Jayhawk</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>1L25</u>			

CONTRACTOR <u>117#2</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>8 7/8</u>	DEPTH <u>270.60</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS.	
DISPLACEMENT <u>16.28 bbls Freshwater</u>	

OWNER		
CEMENT		
AMOUNT ORDERED <u>180 bbls class A</u>		
<u>37' cc 24 gal</u>		
COMMON	<u>180</u>	@ <u>17.90</u> <u>3,222.00</u>
POZMIX		@
GEL	<u>338</u>	@ <u>.50</u> <u>169.00</u>
CHLORIDE	<u>567</u>	@ <u>1.10</u> <u>557.20</u>
ASC	<u>Materials Total</u> <u>3,948.20</u>	
	<u>Disc 25%</u>	<u>987.18</u>
	@	
	@	
	@	
	@	
	@	
	<u>Service</u>	
	@	
HANDLING	<u>194.64</u>	@ <u>2.48</u> <u>482.71</u>
MILEAGE	<u>8.88 x 20 x</u>	<u>2.75</u> <u>488.40</u>

PUMP TRUCK # <u>398</u>	CEMENTER <u>Dustin Chambers</u>
BULK TRUCK # <u>871-112</u>	HELPER <u>Brian Long</u>
BULK TRUCK #	DRIVER <u>Patrick Walker</u>
BULK TRUCK #	DRIVER

REMARKS:

Call Logan Big up
Break circulation with Big mud
pump 5 bbls freshwater
mix 180 bbls class A 37' cc 24 gal
Place 16.28 bbls
ceмент disc circulation
plug down 1:00 AM 1-5-15
Big Down

DEPTH OF JOB		
PUMP TRUCK CHARGE	<u>1512.35</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>Hum</u> <u>20</u>	@ <u>7.70</u>	<u>154.00</u>
MANIFOLD	@	
<u>Hum</u> <u>20</u>	@ <u>4.40</u>	<u>88.00</u>
	@	

CHARGE TO: Shakespeare Oil
STREET _____
CITY _____ STATE _____ ZIP _____

TOTAL 2,725.36
Disc 25% 681.34

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

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.

TOTAL 0
Disc 0% 0

PRINTED NAME X Jeff Brock

SALES TAX (If Any) _____
TOTAL CHARGES 6,674.96
25% 1,668.53
DISCOUNT _____ IF PAID IN 30 DAYS
5,005.54

SIGNATURE X Jeff Brock



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 148304
Invoice Date: Jan 21, 2015
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	64808	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 21, 2015	2/20/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Ottley #2-28</u>		
190.00	CEMENT MATERIALS	ASC	23.50	4,465.00
950.00	CEMENT MATERIALS	Gilsonite	0.98	931.00
134.00	CEMENT MATERIALS	CD-31	7.73	1,035.82
29.00	CEMENT MATERIALS	Powdered Defoamer	3.50	101.50
12.00	CEMENT MATERIALS	Mud Clean	41.09	493.08
247.48	CEMENT SERVICE	Cubic Feet Charge	2.48	613.75
213.80	CEMENT SERVICE	Ton Mileage Charge	2.75	587.95
1.00	CEMENT SERVICE	Production Casing ✓	2,765.75	2,765.75
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
1.00	CEMENT SERVICE	Rotating Head Rental	475.00	475.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		
1.00	OPERATOR ASSISTANT	George Grant		

INT

RECEIVED
 FEB 02 2015
 15050250

Subtotal	11,710.85
Sales Tax	537.52
Total Invoice Amount	12,248.37
Payment/Credit Applied	
TOTAL	12,248.37

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

\$ 3,747.47

ONLY IF PAID ON OR BEFORE

Feb 20, 2015

DW

10502-5
KW

ALLIED OIL & GAS SERVICES, LLC 064808

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>1-21-15</u>	SEC. <u>28</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>6:15 a.m.</u>	JOB START <u>7:00 a.m.</u>	JOB FINISH <u>8:00 a.m.</u>
LEASE <u>Offley</u>	WELL # <u>2-28</u>	LOCATION <u>Oakley St. Jayhawk Rd</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)				<u>1 W. 2 S, into</u>			

CONTRACTOR As rig 2
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 4 1/2 (11.6") DEPTH 4373.91'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port Collar DEPTH 2072.98'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 44.18
 CEMENT LEFT IN CSO. 44.18
 PERFS.
 DISPLACEMENT 67.10 bbl H₂O

OWNER Same
 CEMENT
 AMOUNT ORDERED 190 sks ASC, 10' 2' sett
S. gilsonite, 2' gal, .75 of 1' ed-31
15# powder delramer, 500 gal mud
clean
 COMMON @ _____
 POZMIX @ _____
 GEL @ _____
 CHLORIDE @ _____
 ASC 190 sks @ 23.50 4465.00
gilsonite 250# @ .98 245.00
ed-31 134# @ 7.73 1035.82
Powdered Delramer 29# @ 3.50 101.50
mud clean 12661 @ 4.09 493.08
 Material Total @ _____ 7,026.40
(2078.45 / 32%)
 HANDLING 247.48 ft³ @ 2.48 613.75
 MILEAGE 10.67 hrs @ 20 mi x 2.75 587.95

EQUIPMENT
 PUMP TRUCK CEMENTER Paul Benner
 # 373/281 HELPER Brandon Wilkinson
 BULK TRUCK
 # 890/241 DRIVER George Grant
 BULK TRUCK
 # DRIVER.

REMARKS:
Mix 500 gal mud clean, mix
30 sks in R.H., mix 160 sks
ASC, Displace w/ water, plug
did land @ 1200#, Lift 700#
Float did hold

Thank You!
Paul + crew

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

TOTAL _____
 SERVICE
 DEPTH OF JOB 4374'
 PUMP TRUCK CHARGE 2765.75
 EXTRA FOOTAGE @ _____
 MILEAGE 11 Hr 20 @ 7.76 154.00
 MANIFOLD Rot head @ _____ 475.00
MLV 20 @ 4.40 88.00
 TOTAL (1499.00 / 32%) 4,684.45

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 11,710.85
 DISCOUNT 3,741.47 (32%) IF PAID IN 30 DAYS
7,969.37 Net.



PO Box 93999
Southlake, TX 76092

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

INVOICE

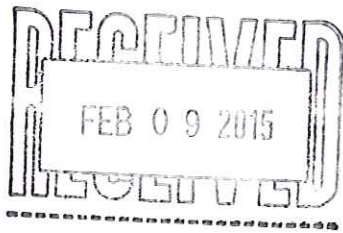
Invoice Number: 148403
Invoice Date: Jan 26, 2015
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	64811	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jan 26, 2015	2/25/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ottley #2-28		
244.00	CEMENT MATERIALS	Class A Common	17.90	4,367.60
131.00	CEMENT MATERIALS	Pozmix	9.80	1,283.80
2,612.00	CEMENT MATERIALS	Gel	0.50	1,306.00
94.00	CEMENT MATERIALS	Flo Seal	2.97	279.18
450.00	CEMENT MATERIALS	Cottonseed Hulls	0.99	445.50
637.31	CEMENT SERVICE	Cubic Feet Charge	2.48	1,580.53
510.40	CEMENT SERVICE	Ton Mileage Charge	2.75	1,403.60
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		
1.00	OPERATOR ASSISTANT	George Grant		



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

\$ 4,285.37

ONLY IF PAID ON OR BEFORE
Feb 25, 2015

Subtotal	13,391.80
Sales Tax	587.68
Total Invoice Amount	13,979.48
Payment/Credit Applied	
TOTAL	13,979.48

DW
10502-S
KW

ALLIED OIL & GAS SERVICES, LLC 064811

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley KS

DATE <u>1-26-15</u>	SEC. <u>28</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>9:30am</u>	JOB FINISH <u>10:30am</u>
LEASE <u>Off/leg</u>	WELL# <u>2-28</u>	LOCATION <u>Oakley S to Taylor Rd, 267</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>			15				

CONTRACTOR Robertson Chayenne
 TYPE OF JOB Port collar
 HOLE SIZE 7 7/8 T.D. _____
 CASING SIZE 4 1/2 DEPTH _____
 TUBING SIZE 2 3/4 DEPTH 2073
 DRILL PIPE _____ DEPTH _____
 TOOL Port collar DEPTH 2073
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 7 bbl 420
 EQUIPMENT _____

OWNER Same
 CEMENT
 AMOUNT ORDERED 550 sks 65/35 8' gel
1/4" Flo-seal, 500# hulls
 COMMON 344 sks @ 12.90 4367.60
 POZMIX 131 sks @ 9.80 1283.80
 GBL 267 # @ .50 1306.00
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 Flo-seal 95# @ 2.97 279.18
 _____ @ _____
 Hulls 450 # @ .99 445.50
 _____ @ _____
Master seal 1600 @ _____ 1600.00
(2458.06 / 32%) @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 637.31 / 45 @ 2.48 1580.53
 MILEAGE 25.52 hrs @ 20.00 2.75 1403.60
 TOTAL _____

PUMP TRUCK CEMENTER Paul Banner
 # 431 HELPER Brandon Wilkinson
 BULK TRUCK
 # 826/241 DRIVER George Grant
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Test port collar, open, get rate,
mix 375 sks, Displace w/
water class, port collar, test,
Run 3 hrs, Rev clean.
cement did circ, lost pressure
1100 at
Thank You!
Paul & crew

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

SERVICE
 DEPTH OF JOB 2073'
 PUMP TRUCK CHARGE 2483.59
 EXTRA FOOTAGE _____ @ _____
 MILEAGE M/HV 20 @ 7.70 154.00
 MANIFOLD _____ @ _____
M/HV 20 @ 4.40 88.00
 _____ @ _____
 TOTAL 5185.10

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 John Robertson

SALES TAX (If Any) _____
 TOTAL CHARGES 13,391.80
 DISCOUNT 4,285.31 (32%) IF PAID IN 30 DAYS
9,106.49 Net.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 58495

DST#: 1

ATTN: Tim Priest

Test Start: 2015.01.10 @ 00:44:00

GENERAL INFORMATION:

Formation: **Lansing 'B-C'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:37:30

Time Test Ended: 10:28:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: **3686.00 ft (KB) To 3745.00 ft (KB) (TVD)**

Total Depth: 3745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2672.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 32.15 psig @ 3690.00 ft (KB)

Start Date: 2015.01.10

End Date:

2015.01.10

Start Time: 00:44:02

End Time:

10:28:49

Capacity: 8000.00 psig

Last Calib.: 2015.01.10

Time On Btm: 2015.01.10 @ 04:35:40

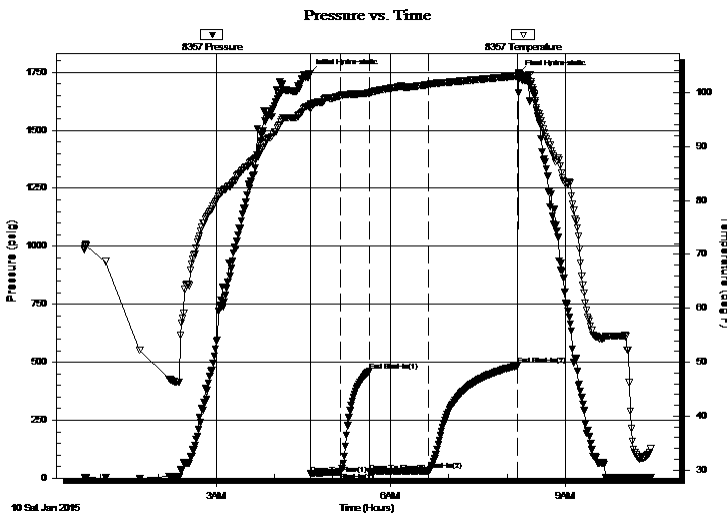
Time Off Btm: 2015.01.10 @ 08:12:00

TEST COMMENT: 30- 1 1/2" Blow .

30- No return.

60- 1" Blow .

90- Weak surface return died @ 5 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.70	97.49	Initial Hydro-static
2	18.50	97.05	Open To Flow (1)
33	25.60	99.35	Shut-In(1)
63	461.95	99.90	End Shut-In(1)
63	26.55	99.84	Open To Flow (2)
124	32.15	101.51	Shut-In(2)
216	485.33	103.04	End Shut-In(2)
217	1742.44	103.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: @ Degrees F = PPM	0.00
20.00	OSM 100m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

202 W Main
Salem, IL 62881

ATTN: Tim Priest

S28-14s-32w Logan/KS

Ottley #2-28

Job Ticket: 58495

DST#: 1

Test Start: 2015.01.10 @ 00:44:00

GENERAL INFORMATION:

Formation: **Lansing 'B-C'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:37:30

Time Test Ended: 10:28:49

Interval: **3686.00 ft (KB) To 3745.00 ft (KB) (TVD)**

Total Depth: 3745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Reference Elevations: 2682.00 ft (KB)

2672.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ Run Depth: psig @ 3690.00 ft (KB)

Start Date: 2015.01.10 End Date: 2015.01.10

Start Time: 00:44:22 End Time: 10:28:39

Capacity: 8000.00 psig

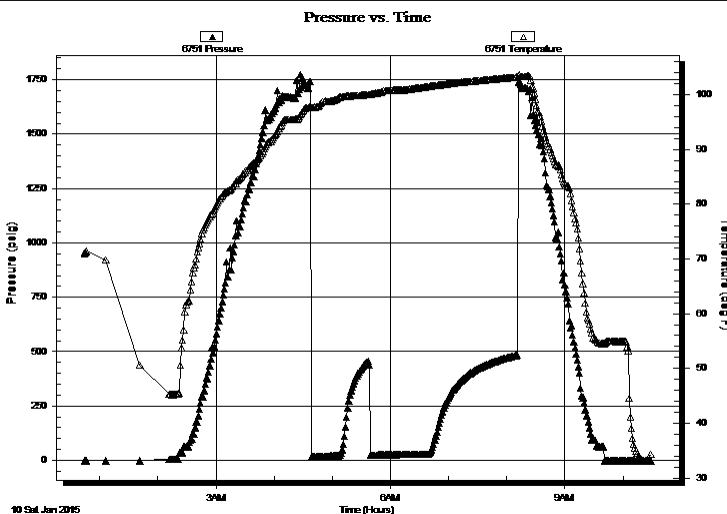
Last Calib.: 2015.01.10

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- 1 1/2" Blow .
30- No return.
60- 1" Blow .
90- Weak surface return died @ 5 min.

PRESSURE SUMMARY



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

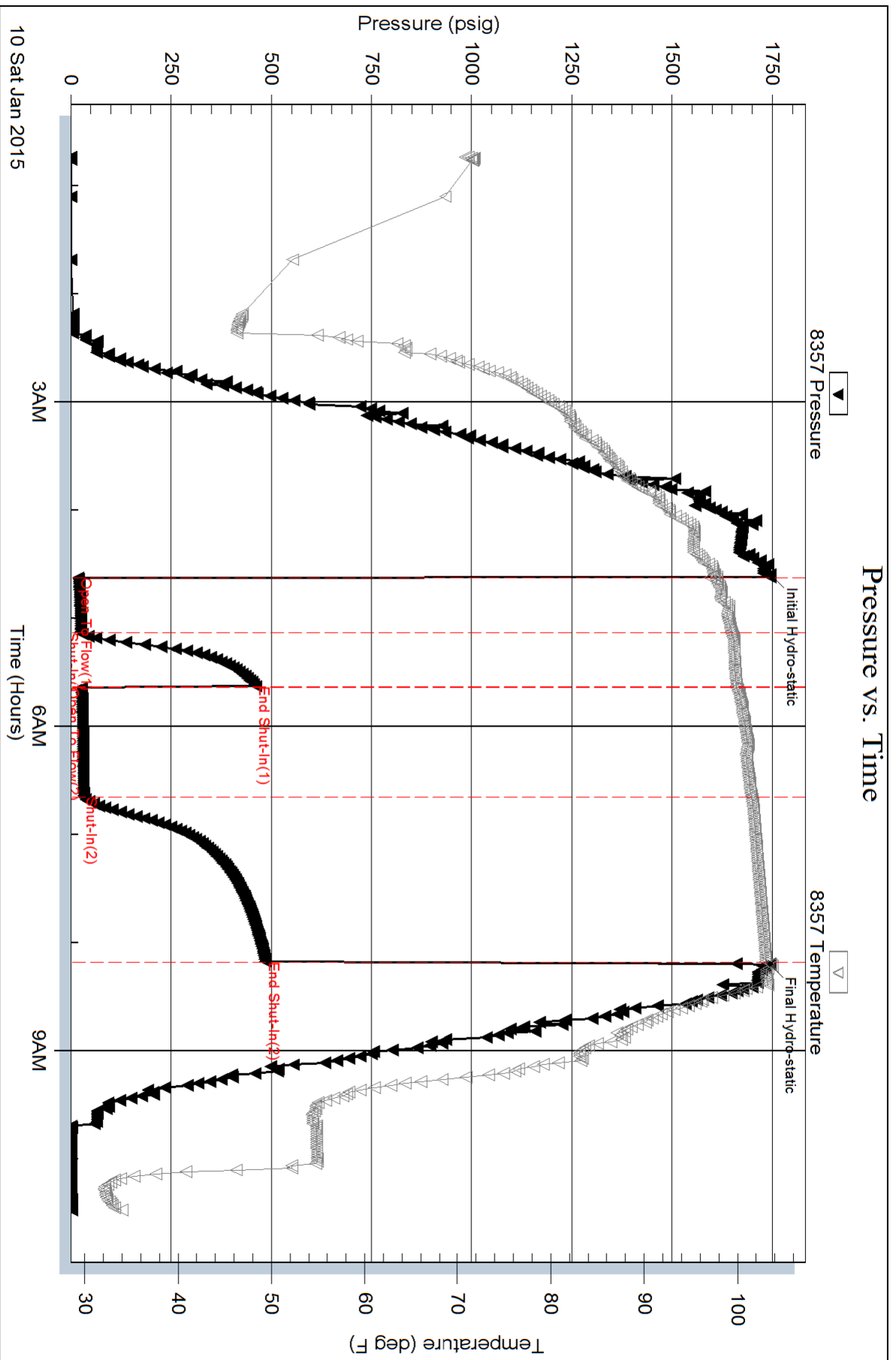
Recovery

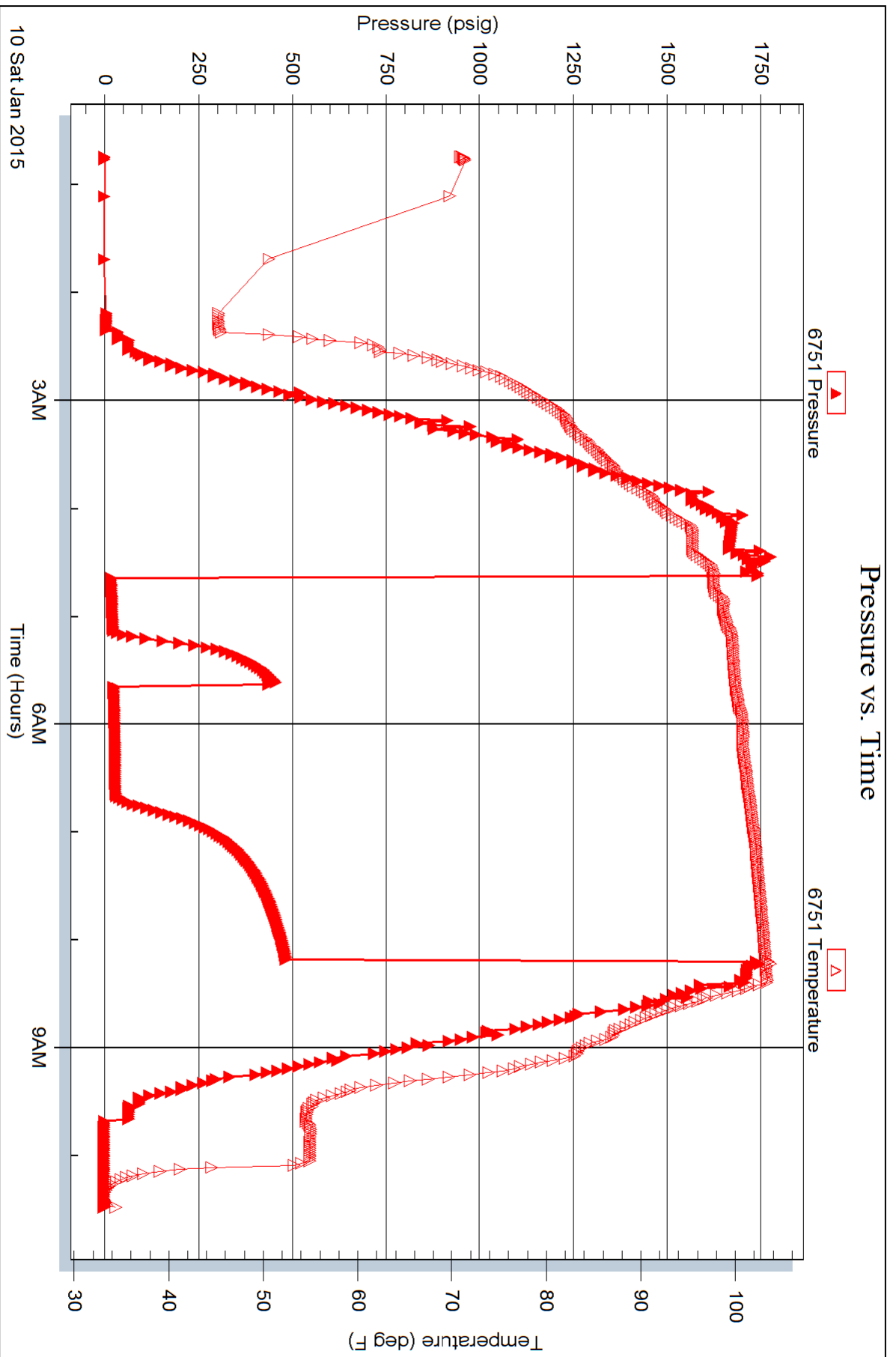
Length (ft)	Description	Volume (bbl)
0.00	API: @ Degrees F = PPM	0.00
20.00	OSM 100m	0.10

Gas Rates

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

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48496

DST#: 2

ATTN: Tim Priest

Test Start: 2015.01.10 @ 23:10:00

GENERAL INFORMATION:

Formation: **Lansing 'D-E-F'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:51:10

Time Test Ended: 06:58:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 3744.00 ft (KB) To 3774.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 3774.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press @ Run Depth: 16.96 psig @ 3748.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.10

End Date: 2015.01.11

Last Calib.: 2015.01.11

Start Time: 21:10:02

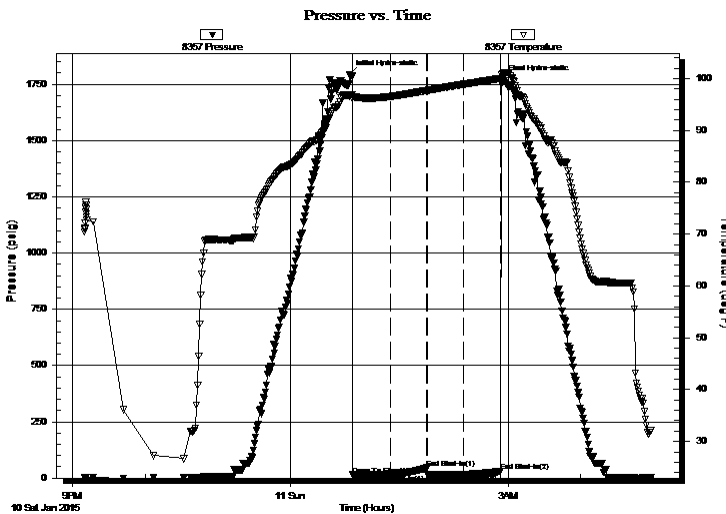
End Time: 04:58:20

Time On Btm: 2015.01.11 @ 00:48:50

Time Off Btm: 2015.01.11 @ 02:54:40

TEST COMMENT: 30- 1/2" Blow .
30- No return.
30- No blow .
30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1791.16	96.57	Initial Hydro-static
3	14.23	96.07	Open To Flow (1)
34	16.59	96.54	Shut-In(1)
64	45.23	97.69	End Shut-In(1)
65	16.18	97.69	Open To Flow (2)
95	16.96	98.89	Shut-In(2)
126	30.24	100.02	End Shut-In(2)
126	1768.65	100.81	Final Hydro-static

Recovery

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

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48496

DST#: 2

ATTN: Tim Priest

Test Start: 2015.01.10 @ 23:10:00

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:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1.00	VSOCM 1o 99m	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

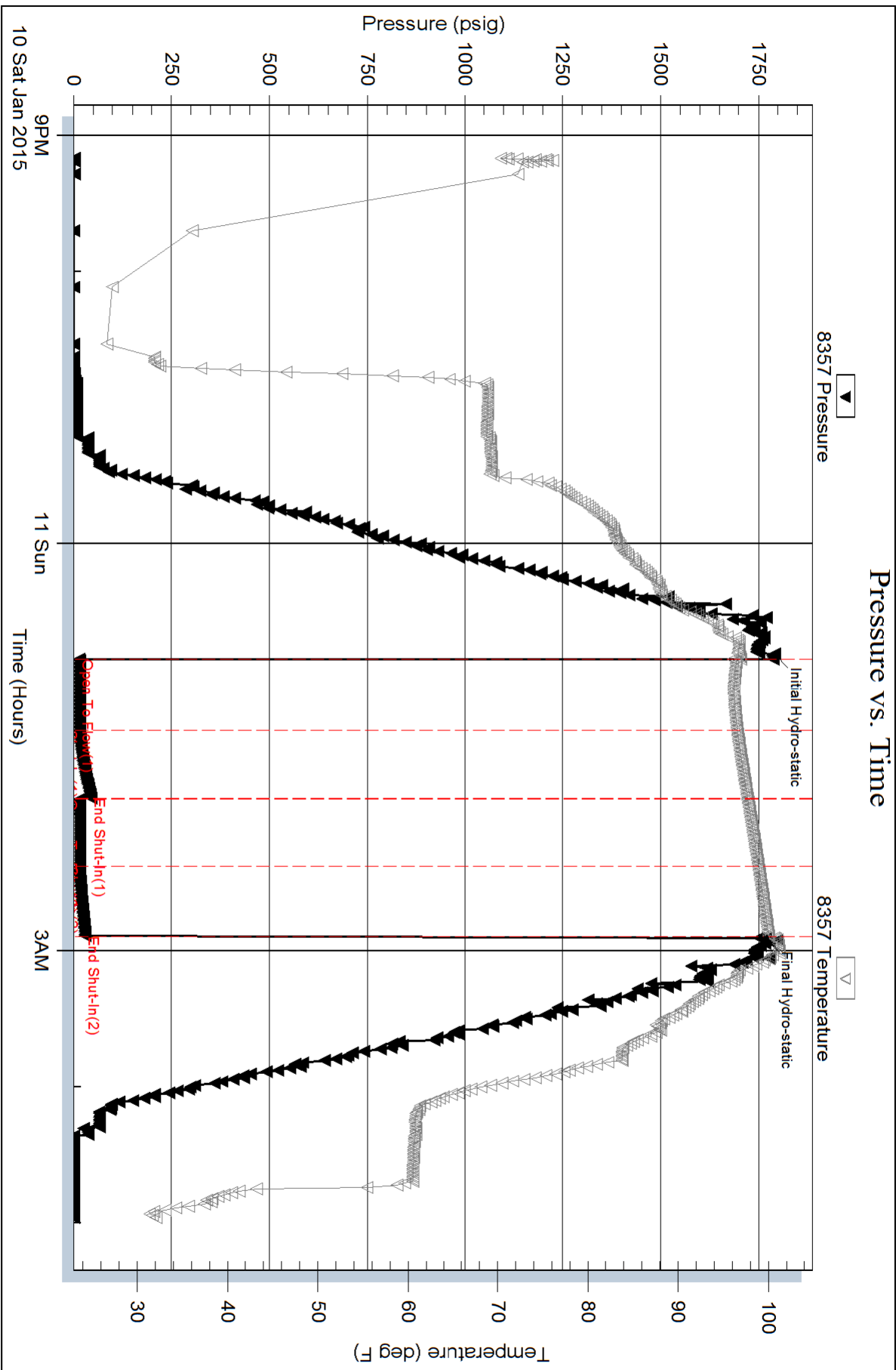
Serial #: 8357

Inside

Shakespeare Oil Co. Inc.

Ottley #2-28

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48497

DST#: 3

ATTN: Tim Priest

Test Start: 2015.01.11 @ 18:53:00

GENERAL INFORMATION:

Formation: **Lansing 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:40

Time Test Ended: 02:23:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 3818.00 ft (KB) To 3858.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 3858.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press @ Run Depth: 19.69 psig @ 3820.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.11

End Date: 2015.01.12

Last Calib.: 2015.01.12

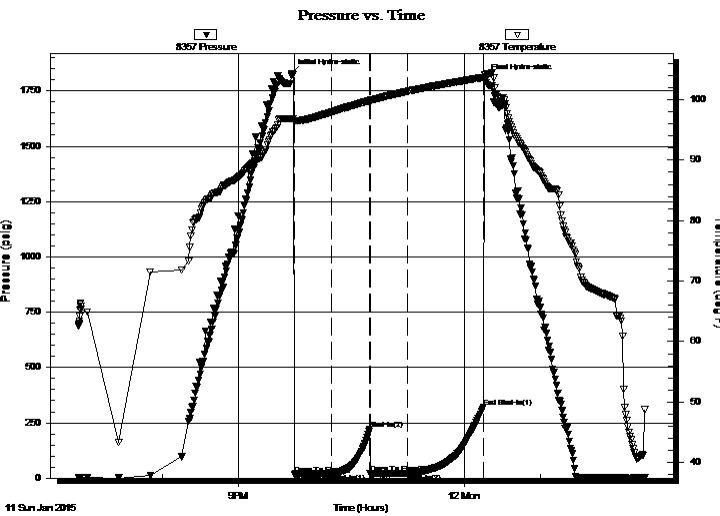
Start Time: 18:53:02

End Time: 02:23:10

Time On Btm: 2015.01.11 @ 21:42:30

Time Off Btm: 2015.01.12 @ 00:15:50

TEST COMMENT: 30- 1/2" Blow .
30- No return.
30- No blow .
30- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.32	96.91	Initial Hydro-static
3	18.16	96.30	Open To Flow (1)
32	19.69	97.95	Shut-In(1)
62	220.39	99.85	Shut-In(2)
63	19.91	99.83	Open To Flow (2)
93	20.66	101.36	Shut-In(3)
153	320.35	103.67	End Shut-In(1)
154	1807.53	104.15	Final Hydro-static

Recovery

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

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48497

DST#: 3

ATTN: Tim Priest

Test Start: 2015.01.11 @ 18:53:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 1o 99m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

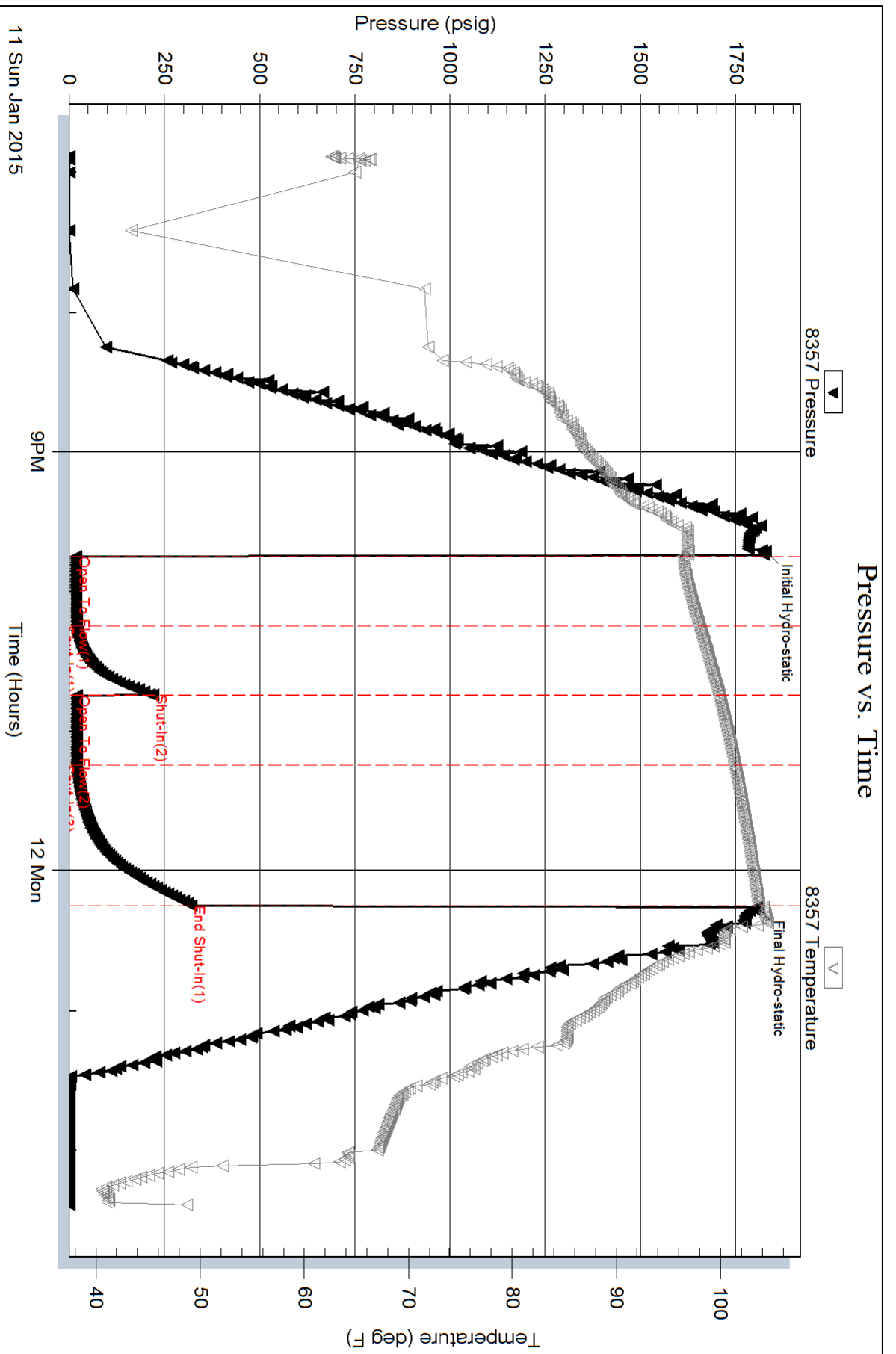
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48498

DST#: 4

ATTN: Tim Priest

Test Start: 2015.01.12 @ 11:12:00

GENERAL INFORMATION:

Formation: **Lansing 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:50:10

Time Test Ended: 19:31:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 3860.00 ft (KB) To 3904.00 ft (KB) (TVD)

Total Depth: 3904.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2672.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press@RunDepth: 63.87 psig @ 3864.00 ft (KB)

Start Date: 2015.01.12

End Date: 2015.01.12

Start Time: 11:12:02

End Time: 19:31:50

Capacity: 8000.00 psig

Last Calib.: 2015.01.12

Time On Btm: 2015.01.12 @ 13:45:40

Time Off Btm: 2015.01.12 @ 16:59:00

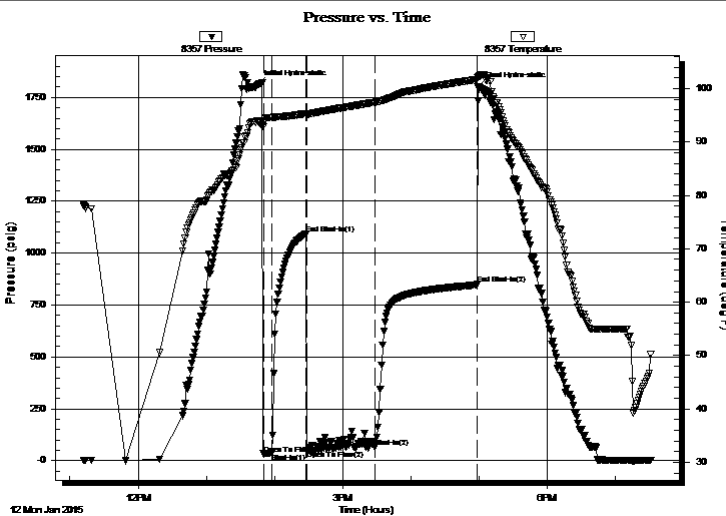
TEST COMMENT: 7- Tool slid 20' w hile open, bled off initial blow , surface blow throughout.

30- No return.

60- 3" Blow .

90- Weak surface return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1813.86	93.82	Initial Hydro-static
5	33.40	92.86	Open To Flow (1)
12	38.35	94.56	Shut-In(1)
42	1090.92	95.32	End Shut-In(1)
43	48.63	95.13	Open To Flow (2)
103	63.87	97.40	Shut-In(2)
193	849.86	101.73	End Shut-In(2)
194	1800.53	102.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
69.00	OCM 20o 80m	0.34
1.00	O 100o	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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48498

DST#: 4

ATTN: Tim Priest

Test Start: 2015.01.12 @ 11:12:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 6.20 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 37 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
69.00	OCM 20o 80m	0.339
1.00	O 100o	0.005

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

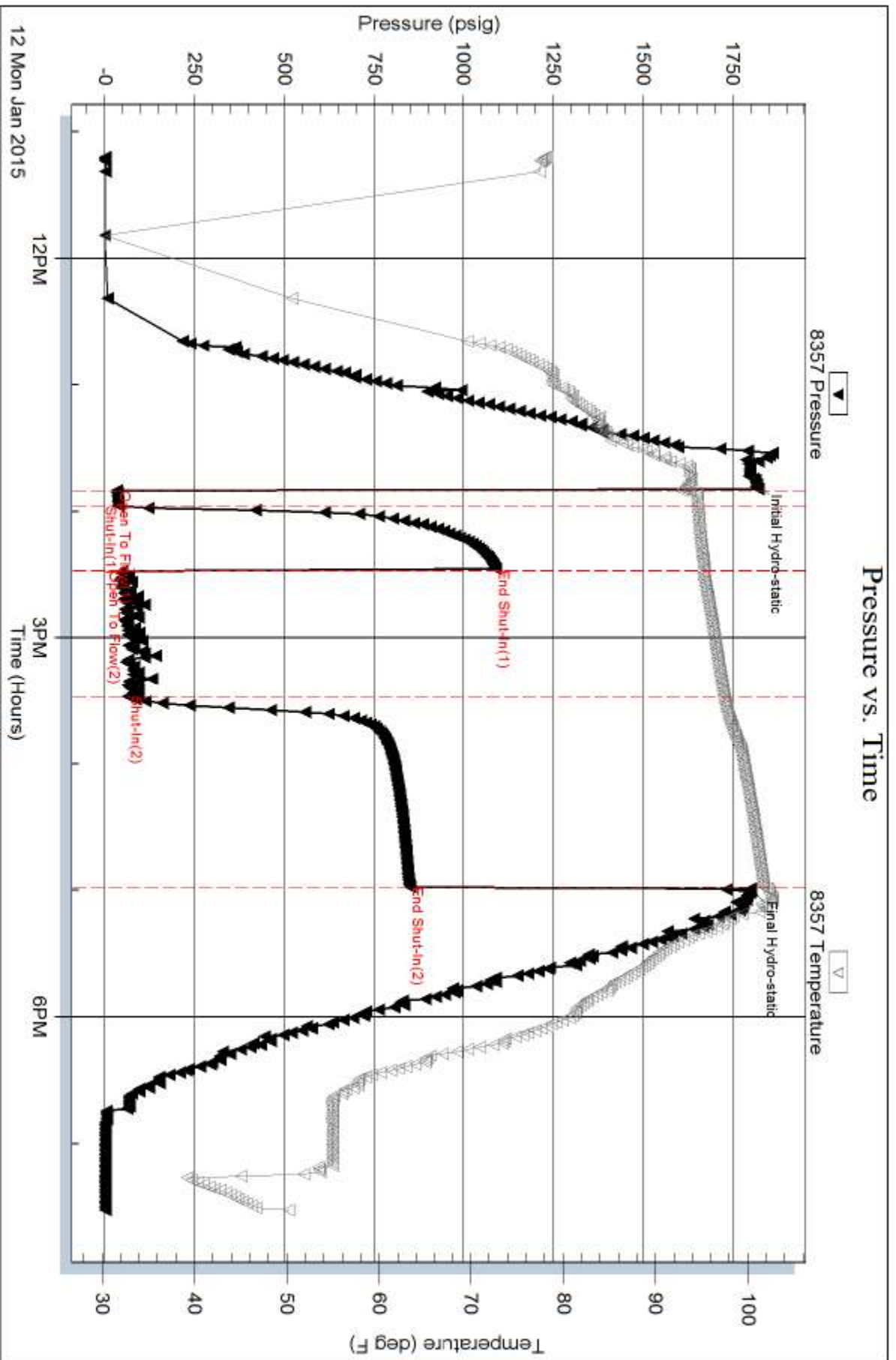
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 34 @ 30 Degrees F = 37

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48499

DST#: 5

ATTN: Tim Priest

Test Start: 2015.01.13 @ 08:44:00

GENERAL INFORMATION:

Formation: **'I & J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:20

Time Test Ended: 17:38:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 3860.00 ft (KB) To 3914.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press @ Run Depth: 64.60 psig @ 3864.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.13

End Date:

2015.01.13

Last Calib.:

2015.01.13

Start Time: 08:44:02

End Time:

17:38:19

Time On Btm:

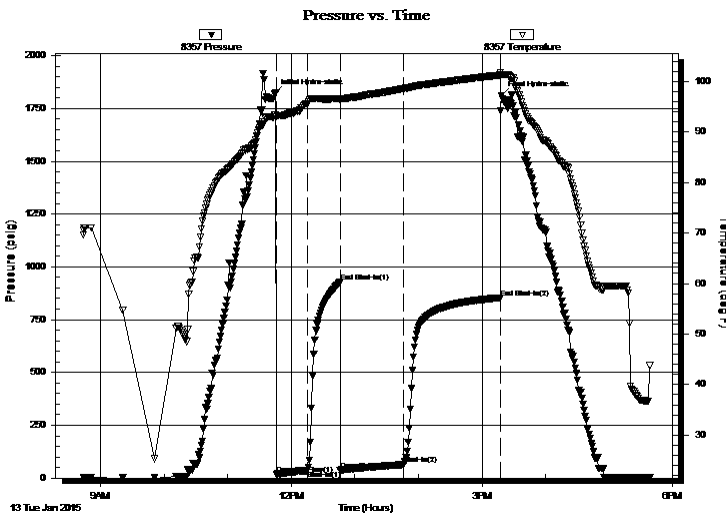
2015.01.13 @ 11:44:10

Time Off Btm:

2015.01.13 @ 15:18:20

TEST COMMENT: 30- 3" Blow .
30- Surface return.
60- 3 1/2" Blow .
90- Surface return died @ 45 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1821.31	93.30	Initial Hydro-static
3	18.32	92.97	Open To Flow (1)
32	35.46	95.54	Shut-In(1)
62	929.76	96.65	End Shut-In(1)
62	38.37	96.27	Open To Flow (2)
123	64.60	98.57	Shut-In(2)
213	853.81	101.23	End Shut-In(2)
215	1810.59	101.37	Final Hydro-static

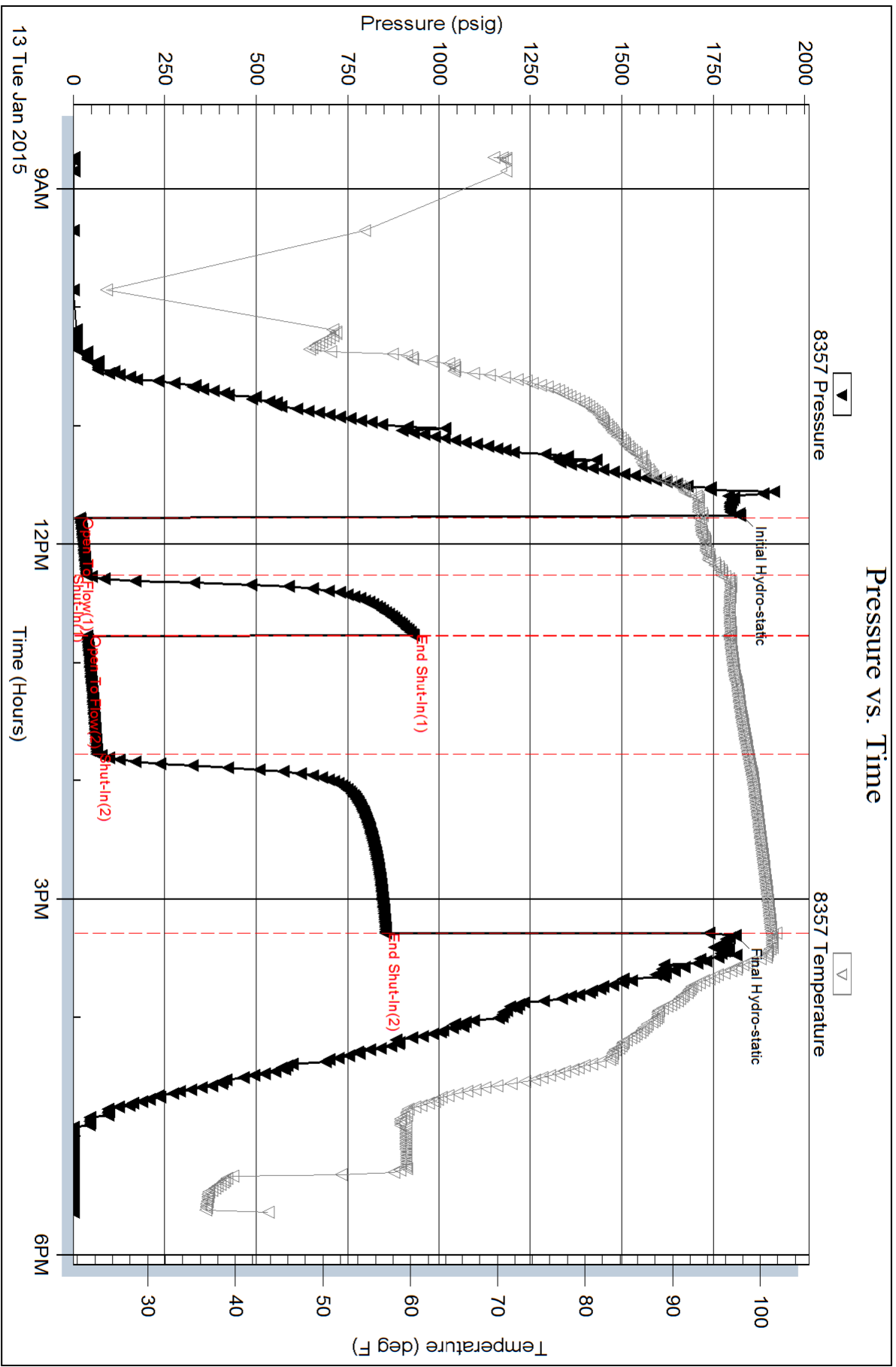
Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: 35 @ 30 Degrees F = 38	0.00
85.00	SOCM 2o 98m	0.42
5.00	CGO 5g 95o	0.02

* Recovery from multiple tests

Gas Rates

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

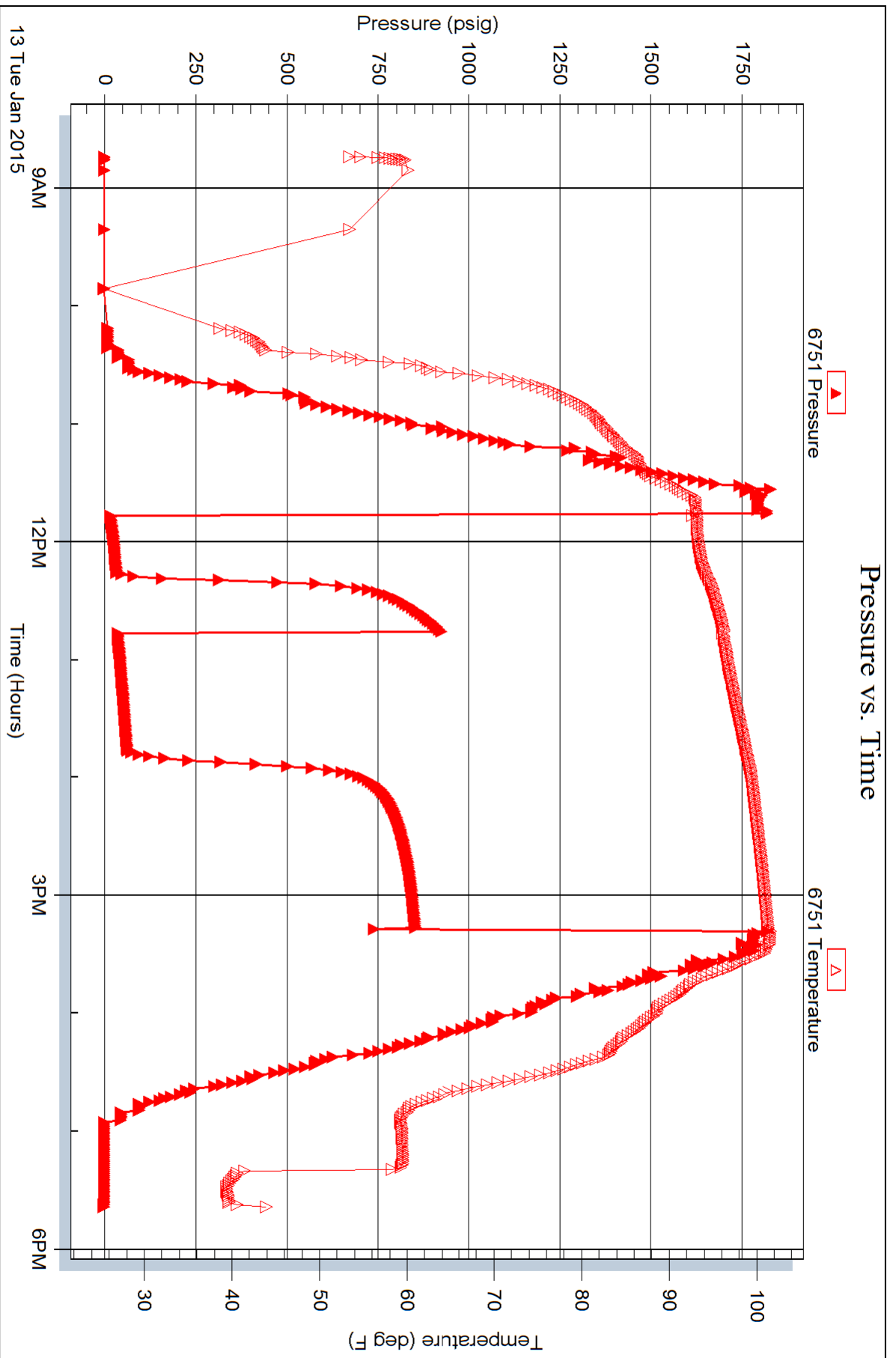


Serial #: 6751

Outside Shakespeare Oil Co. Inc.

Ottley #2-28

DST Test Number: 5





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48500

DST#: 6

ATTN: Tim Priest

Test Start: 2015.01.14 @ 02:04:00

GENERAL INFORMATION:

Formation: **'K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:34:00
 Time Test Ended: 10:34:39
 Interval: **3911.00 ft (KB) To 3933.00 ft (KB) (TVD)**
 Total Depth: 3933.00 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: 2682.00 ft (KB)
 2672.00 ft (CF)
 KB to GR/CF: 10.00 ft

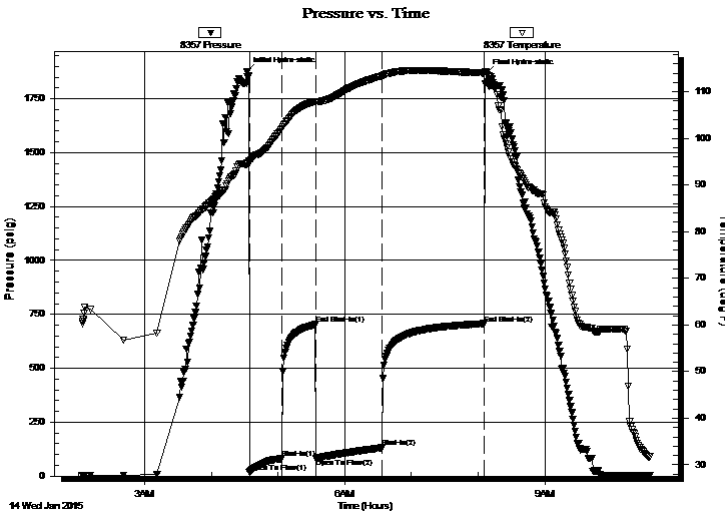
Serial #: 8357

Inside

Press@RunDepth: 131.99 psig @ 3915.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.14 End Date: 2015.01.14 Last Calib.: 2015.01.14
 Start Time: 02:04:02 End Time: 10:34:40 Time On Btm: 2015.01.14 @ 04:32:00
 Time Off Btm: 2015.01.14 @ 08:07:20

TEST COMMENT: 30- 8" Blow .
 30- 1/8" Return.
 60- B.O.B. @ 54 min.
 90- Surface return died @ 20 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.19	94.47	Initial Hydro-static
2	18.82	94.87	Open To Flow (1)
32	81.73	102.20	Shut-In(1)
62	703.06	107.91	End Shut-In(1)
62	83.15	107.79	Open To Flow (2)
122	131.99	113.41	Shut-In(2)
214	707.24	114.02	End Shut-In(2)
216	1868.32	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MW 20m 80w	2.27
10.00	VSOCMW 1o 44m 55w	0.14

* 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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48500

DST#: 6

ATTN: Tim Priest

Test Start: 2015.01.14 @ 02:04:00

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:

75000 ppm

Viscosity: 51.00 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 bbl
240.00	MW 20m 80w	2.273
10.00	VSOCMW 1o 44m 55w	0.140

Total Length: 250.00 ft Total Volume: 2.413 bbl

Num Fluid Samples: 0

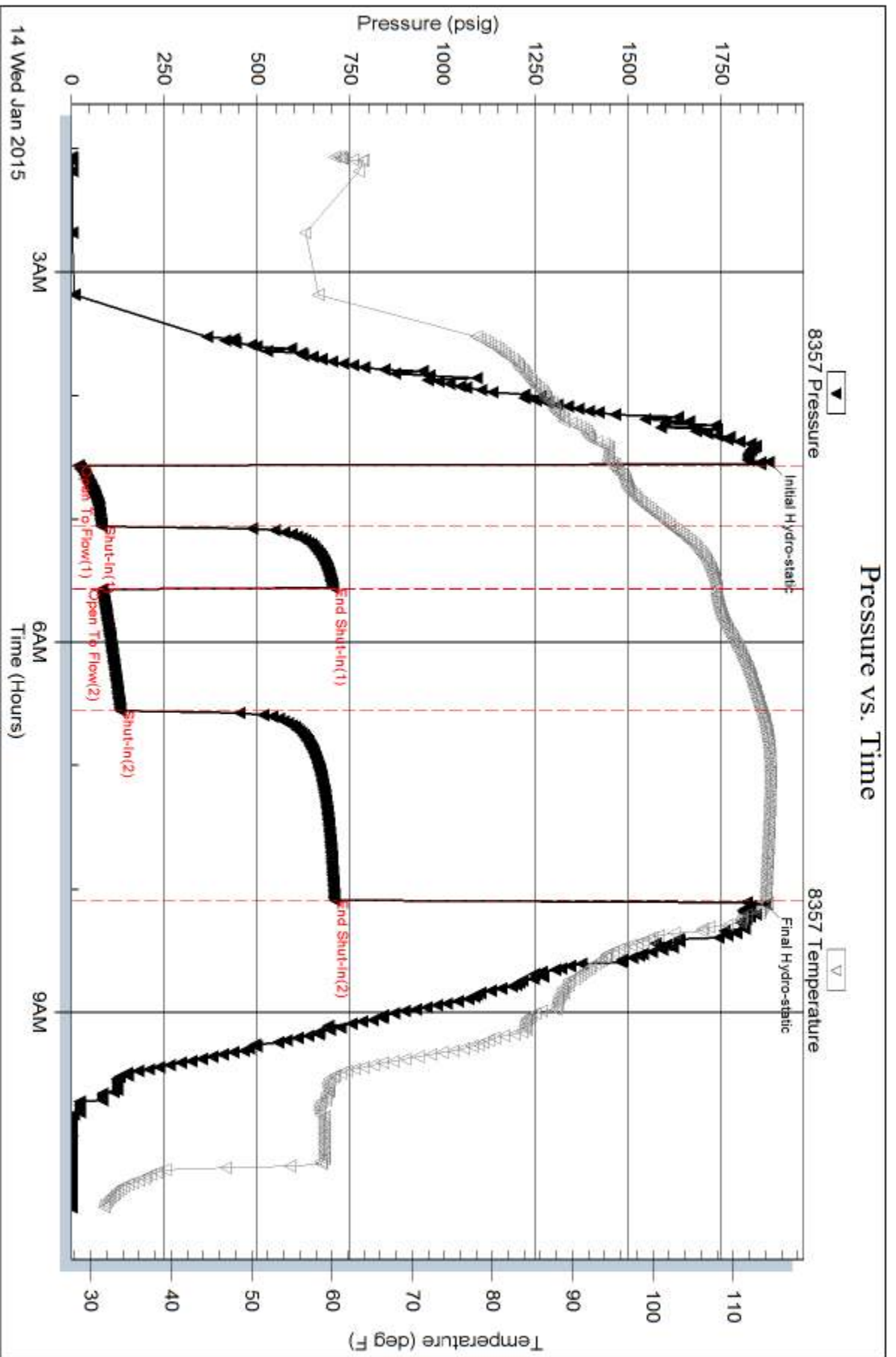
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: .170 @ 43 Degrees F = 75000 PPM





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61551

DST#: 7

ATTN: Tim Priest

Test Start: 2015.01.14 @ 23:45:00

GENERAL INFORMATION:

Formation: 'L'
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:55:20
 Time Test Ended: 07:49:00
 Interval: **3950.00 ft (KB) To 3975.00 ft (KB) (TVD)**
 Total Depth: 3975.00 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: 2682.00 ft (KB)
 2672.00 ft (CF)
 KB to GR/CF: 10.00 ft

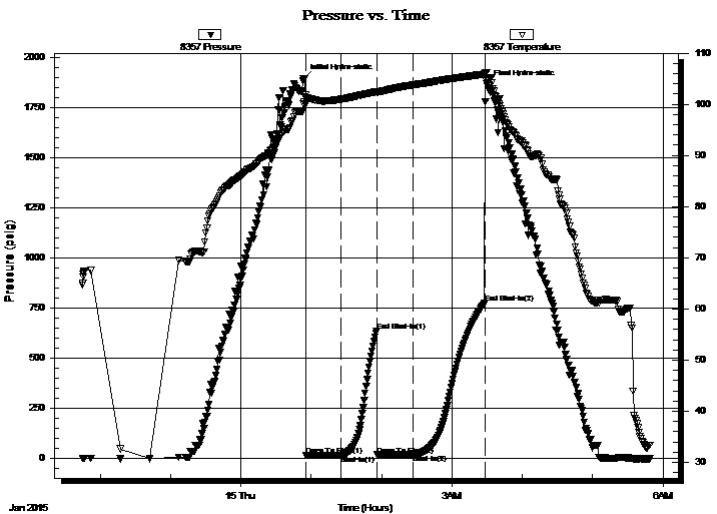
Serial #: 8357

Inside

Press@RunDepth: 20.80 psig @ 3952.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.14 End Date: 2015.01.15 Last Calib.: 2015.01.15
 Start Time: 21:45:02 End Time: 05:49:00 Time On Btm: 2015.01.15 @ 00:53:20
 Time Off Btm: 2015.01.15 @ 03:29:39

TEST COMMENT: 30- 1 1/2" Blow .
 30- No return.
 30- No blow .
 60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.78	100.04	Initial Hydro-static
2	16.60	101.27	Open To Flow (1)
33	18.60	101.01	Shut-In(1)
63	637.52	102.47	End Shut-In(1)
63	19.30	102.24	Open To Flow (2)
94	20.80	103.77	Shut-In(2)
155	775.44	105.89	End Shut-In(2)
157	1867.13	104.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 2o 98m	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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61551

DST#: 7

ATTN: Tim Priest

Test Start: 2015.01.14 @ 23:45:00

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: 60.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 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	SOCM 2o 98m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

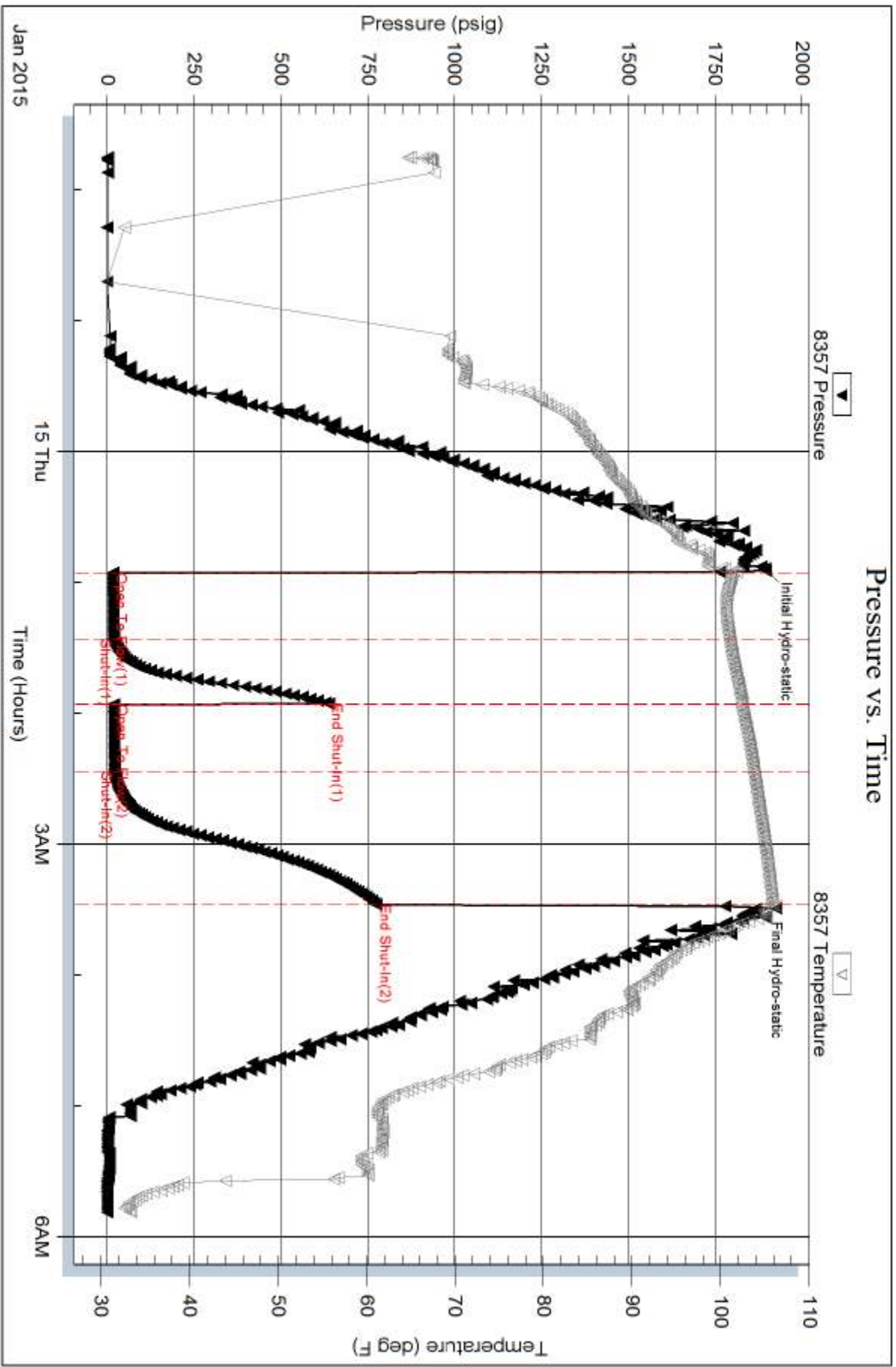
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan, KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61552

DST#: 8

ATTN: Tim Priest

Test Start: 2015.01.16 @ 04:02:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:04:20

Time Test Ended: 13:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4034.00 ft (KB) To 4114.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4114.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 127.60 psig @ 4038.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.16

End Date:

2015.01.16

Last Calib.:

2015.01.16

Start Time:

04:02:02

End Time:

13:27:30

Time On Btm:

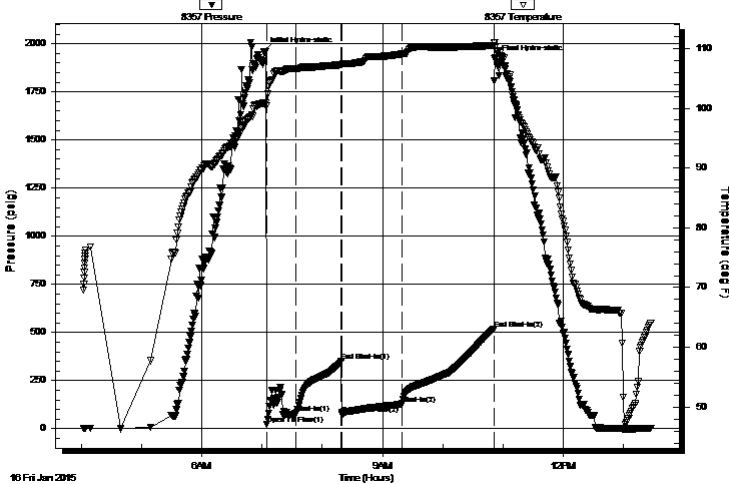
2015.01.16 @ 07:01:50

Time Off Btm:

2015.01.16 @ 10:52:00

TEST COMMENT: 30- B.O.B. @ 15 min.
45- Surface return throughout.
60- B.O.B. @ 4 min.
90- 5" Return building.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.77	100.80	Initial Hydro-static
3	21.87	100.41	Open To Flow (1)
32	79.55	106.58	Shut-In(1)
78	350.80	107.26	End Shut-In(1)
78	76.53	107.31	Open To Flow (2)
138	127.60	109.04	Shut-In(2)
230	519.34	110.49	End Shut-In(2)
231	1920.67	111.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 30g 30o 40m	0.59
62.00	GOCM 40g 20o 40m	0.87
82.00	GOCM 10g 10o 80m	1.15
0.00	900' 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.

S28-14s-32w Logan,KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61552

DST#: 8

ATTN: Tim Priest

Test Start: 2015.01.16 @ 04:02:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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 bbbl
120.00	GOCM 30g 30o 40m	0.590
62.00	GOCM 40g 20o 40m	0.870
82.00	GOCM 10g 10o 80m	1.150
0.00	900' GIP	0.000

Total Length: 264.00 ft

Total Volume: 2.610 bbl

Num Fluid Samples: 0

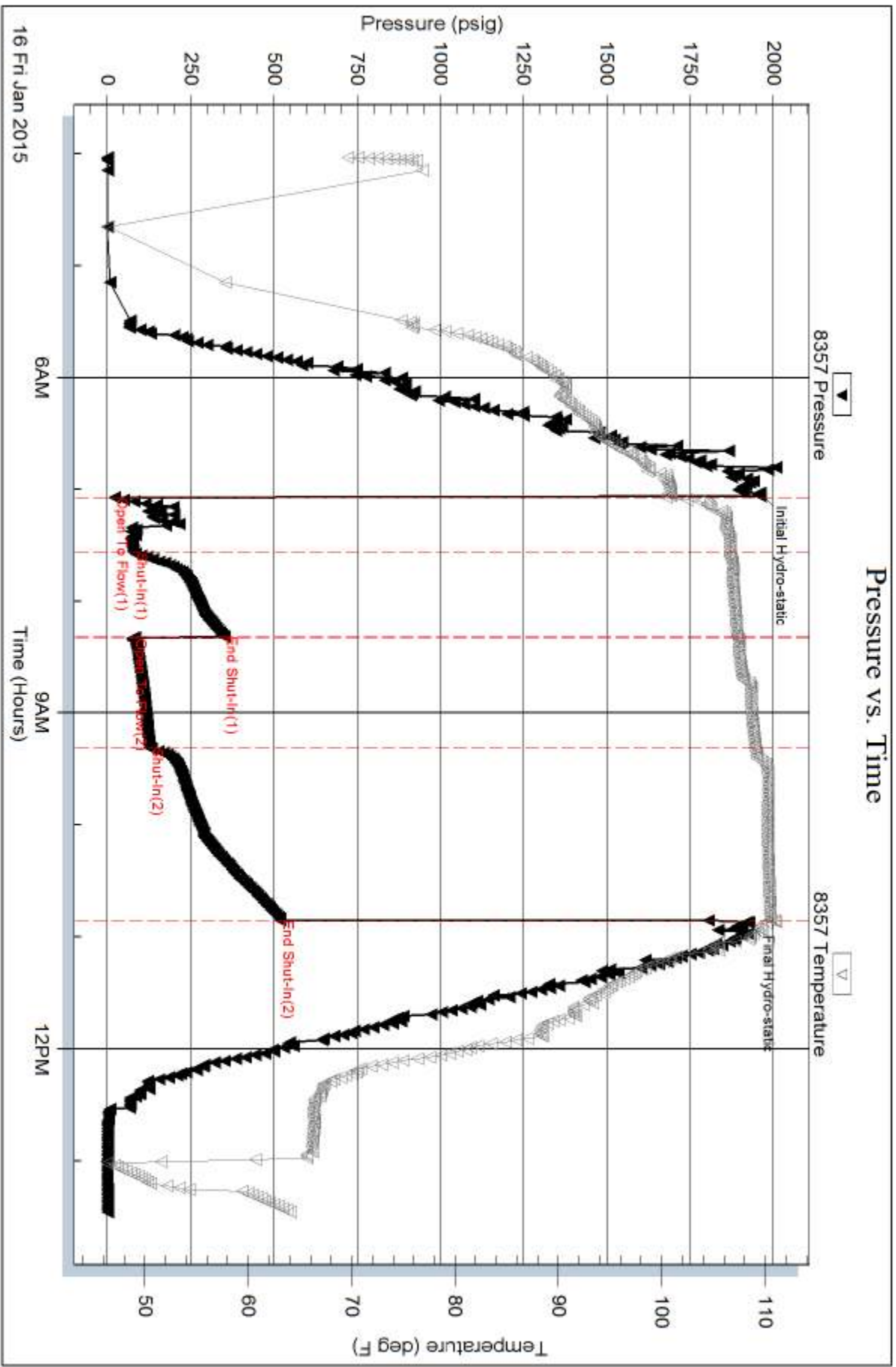
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61553

DST#: 9

ATTN: Tim Priest

Test Start: 2015.01.17 @ 07:13:00

GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:10

Time Test Ended: 14:55:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4114.00 ft (KB) To 4194.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4194.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 34.40 psig @ 4118.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.17

End Date:

2015.01.17

Last Calib.:

2015.01.17

Start Time: 07:13:02

End Time:

14:55:10

Time On Btm:

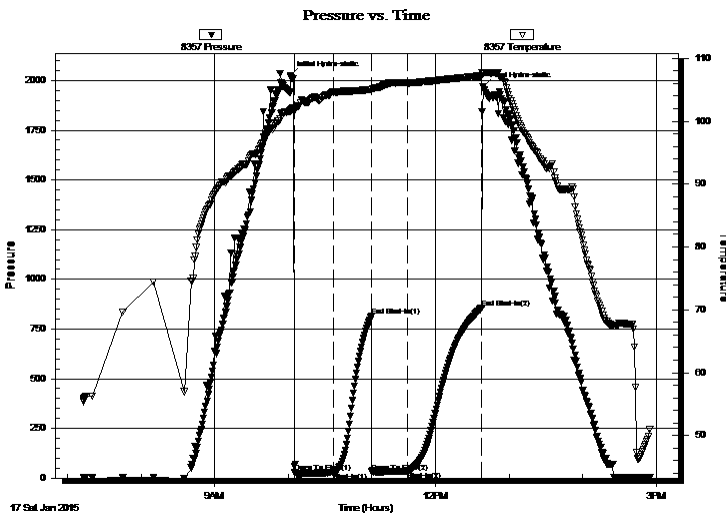
2015.01.17 @ 10:02:00

Time Off Btm:

2015.01.17 @ 12:38:50

TEST COMMENT: 30- 1/2" Blow .
30- No return.
30- No blow .
60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2022.89	101.67	Initial Hydro-static
4	27.79	102.04	Open To Flow (1)
35	28.23	104.58	Shut-In(1)
66	813.96	105.04	End Shut-In(1)
67	31.01	105.05	Open To Flow (2)
95	34.40	106.08	Shut-In(2)
156	856.73	107.22	End Shut-In(2)
157	1970.06	107.67	Final Hydro-static

Recovery

Gas Rates

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

	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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61553

DST#: 9

ATTN: Tim Priest

Test Start: 2015.01.17 @ 07:13:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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
20.00	OSM 100m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

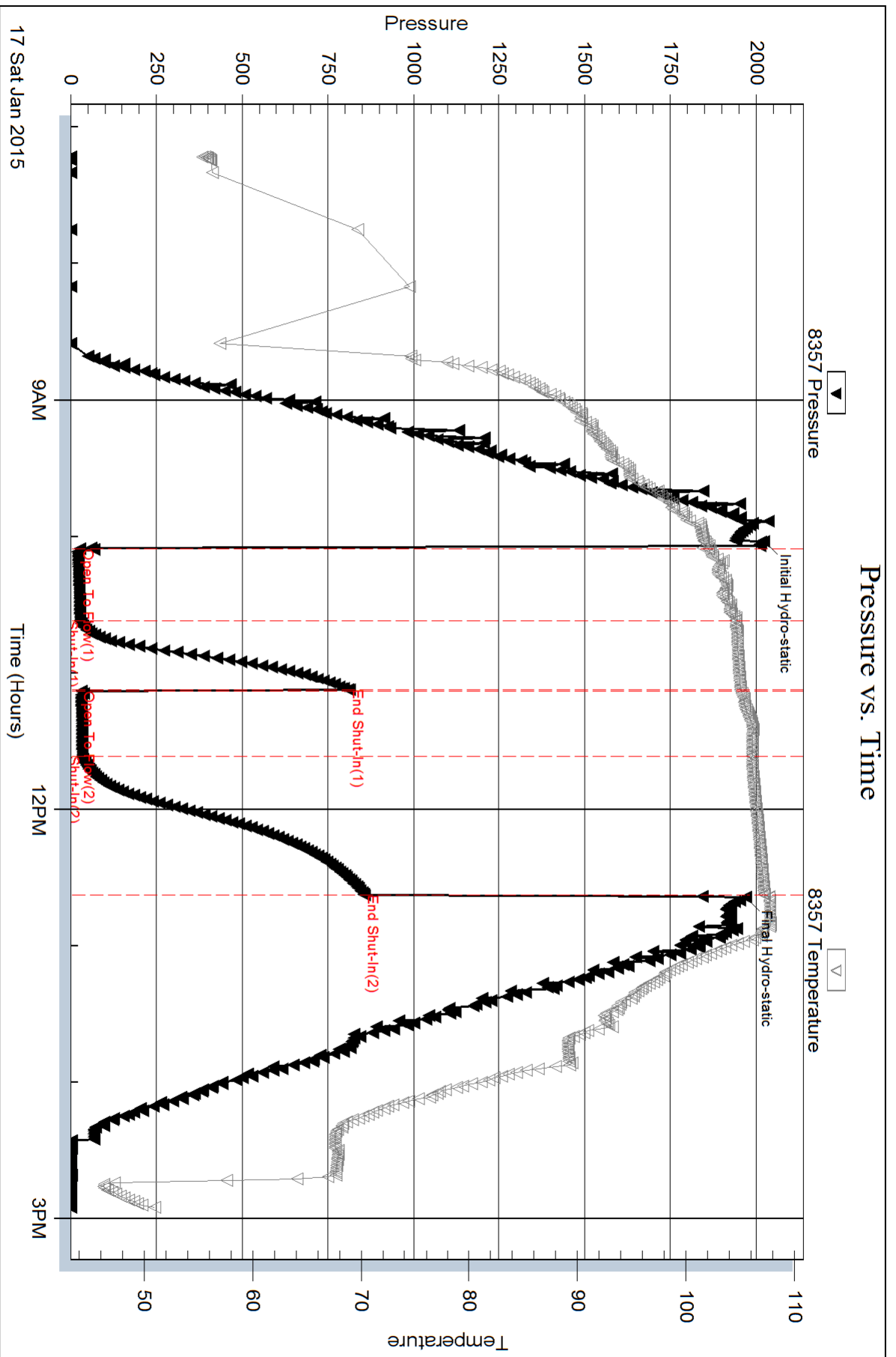
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61554

DST#: 10

ATTN: Tim Priest

Test Start: 2015.01.18 @ 06:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:07:40

Time Test Ended: 15:24:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4216.00 ft (KB) To 4270.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4270.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 107.65 psig @ 4220.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.18

End Date:

2015.01.18

Last Calib.:

2015.01.18

Start Time: 06:30:02

End Time:

15:24:19

Time On Btm:

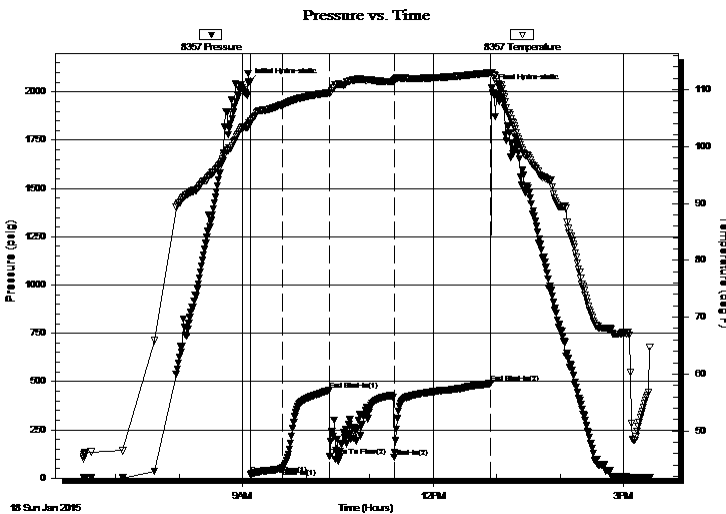
2015.01.18 @ 09:05:30

Time Off Btm:

2015.01.18 @ 12:55:20

TEST COMMENT: 30- 5" Blow .
45- Weak return died @ 10 min.
60- 1" Blow .
90- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2048.19	103.78	Initial Hydro-static
3	19.59	103.98	Open To Flow (1)
32	49.30	107.34	Shut-In(1)
77	455.05	109.46	End Shut-In(1)
77	113.75	109.31	Open To Flow (2)
138	107.65	111.49	Shut-In(2)
229	490.15	112.97	End Shut-In(2)
230	2019.05	113.03	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
0.00	64' GIP	0.00
120.00	GOCM 10g 3o 87m	0.59

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

ATTN: Tim Priest

Job Ticket: 61554

DST#: 10

Test Start: 2015.01.18 @ 06:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:07:40

Time Test Ended: 15:24:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4216.00 ft (KB) To 4270.00 ft (KB) (TVD)

Total Depth: 4270.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2672.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ RunDepth: psig @ 4220.00 ft (KB)

Start Date: 2015.01.18

End Date:

2015.01.18

Capacity: 8000.00 psig

Last Calib.:

2015.01.18

Start Time: 06:30:02

End Time:

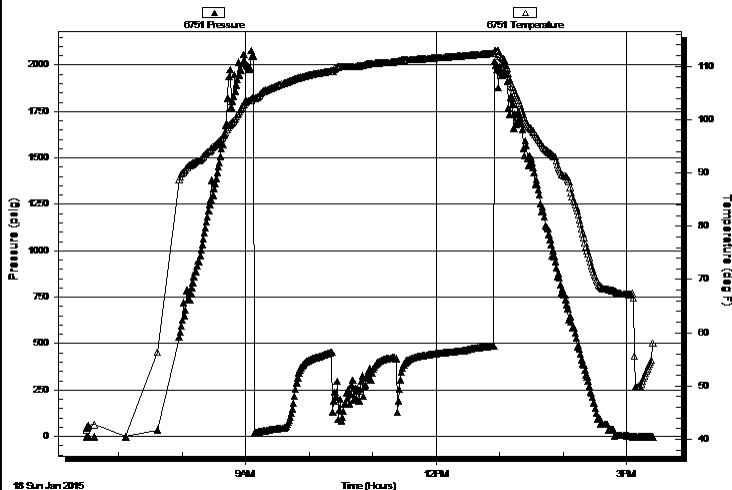
15:24:19

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- 5" Blow .
45- Weak return died @ 10 min.
60- 1" Blow .
90- No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	64' GIP	0.00
120.00	GOCM 10g 3o 87m	0.59

* 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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61554

DST#: 10

ATTN: Tim Priest

Test Start: 2015.01.18 @ 06:30:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	64' GIP	0.000
120.00	GOCM 10g 3o 87m	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

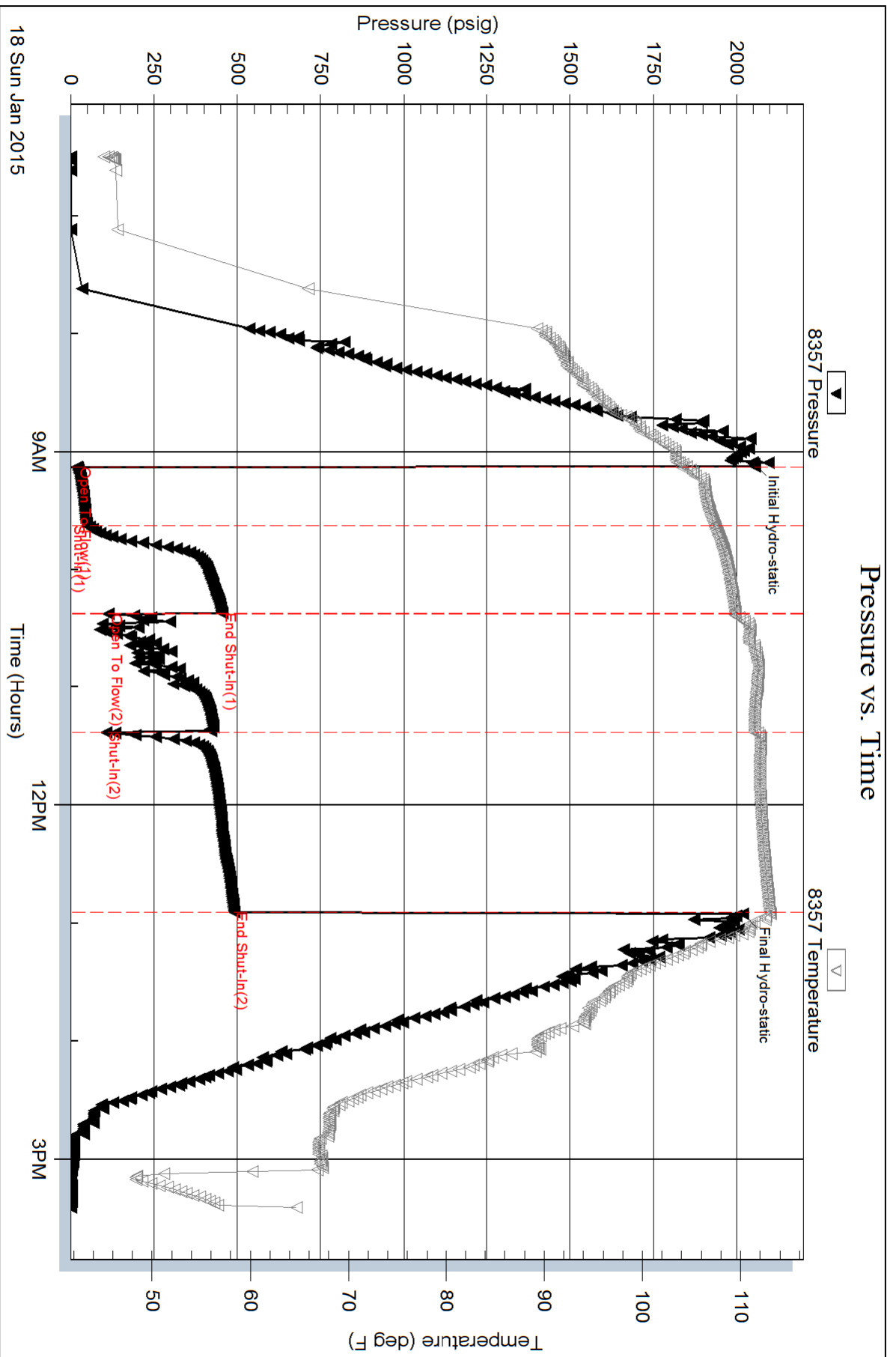
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough oil to measure gravity.

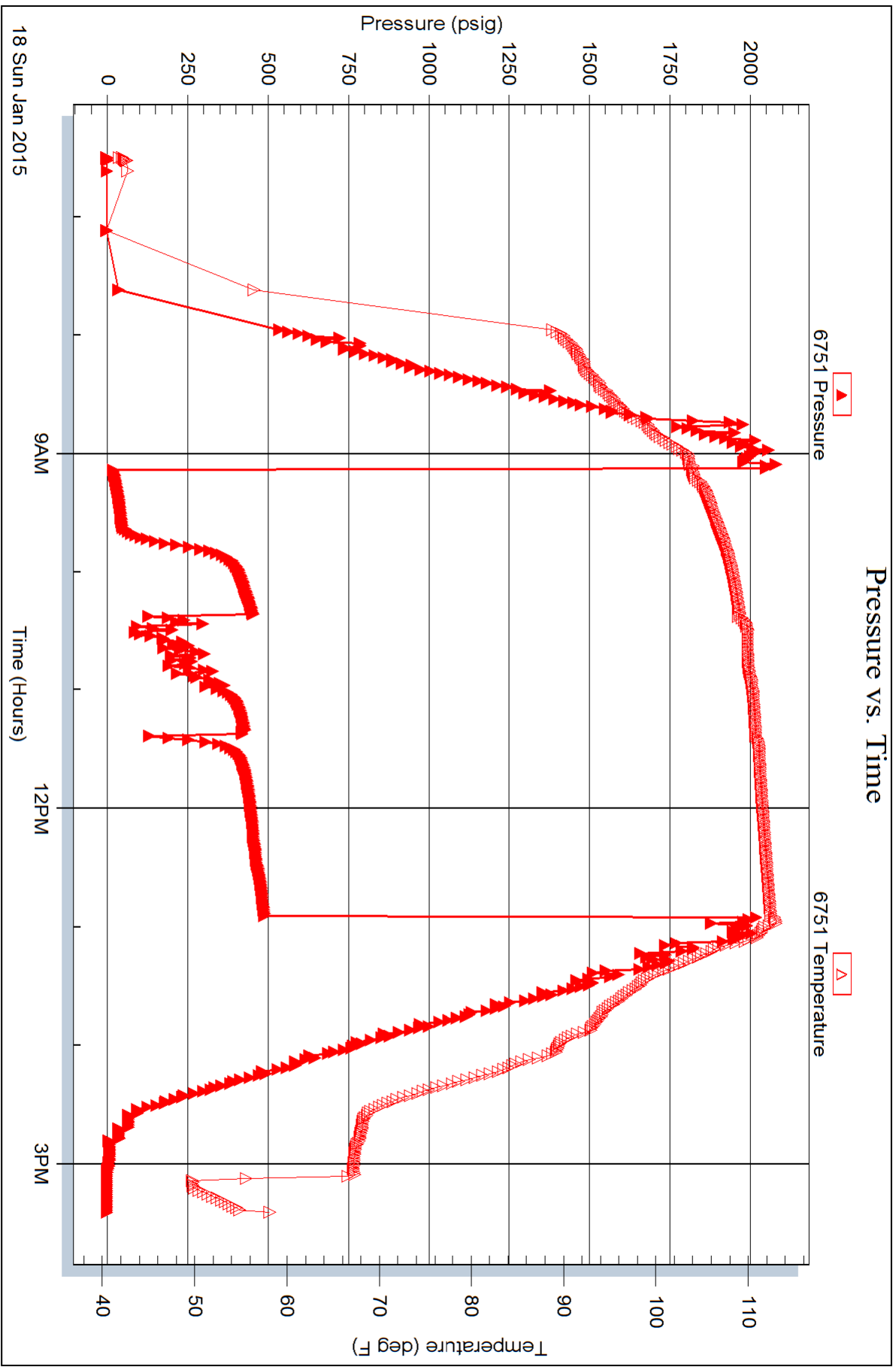


Serial #: 6751

Outside Shakespeare Oil Co. Inc.

Ottley #2-28

DST Test Number: 10





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61555

DST#: 11

ATTN: Tim Priest

Test Start: 2015.01.19 @ 03:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:30

Time Test Ended: 11:56:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4269.00 ft (KB) To 4315.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4315.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 206.04 psig @ 4270.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.19

End Date:

2015.01.19

Last Calib.:

2015.01.19

Start Time: 03:00:02

End Time:

11:56:10

Time On Btm:

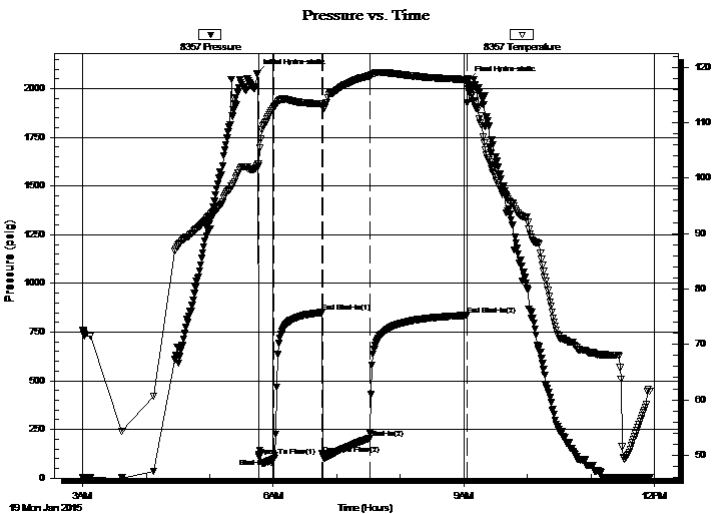
2015.01.19 @ 05:44:10

Time Off Btm:

2015.01.19 @ 09:04:00

TEST COMMENT: 15- B.O.B. @ 6 min.
45- 2" Return.
45- B.O.B. @ 5 min.
90- B.O.B. @ 9 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.48	102.12	Initial Hydro-static
3	110.49	102.64	Open To Flow (1)
17	100.75	112.86	Shut-In(1)
62	850.96	113.40	End Shut-In(1)
63	122.09	112.93	Open To Flow (2)
107	206.04	118.46	Shut-In(2)
199	836.59	117.76	End Shut-In(2)
200	2039.58	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: 34 @ 70 Degrees F = 33.	0.00
424.00	GMCO 30g 20m 50o	4.85
90.00	CGO 40g 60o	1.26
0.00	2510' 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.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61555

DST#: 11

ATTN: Tim Priest

Test Start: 2015.01.19 @ 03:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	API: 34 @ 70 Degrees F = 33.	0.000
424.00	GMCO 30g 20m 50o	4.854
90.00	CGO 40g 60o	1.262
0.00	2510' GIP	0.000

Total Length: 514.00 ft

Total Volume: 6.116 bbl

Num Fluid Samples: 0

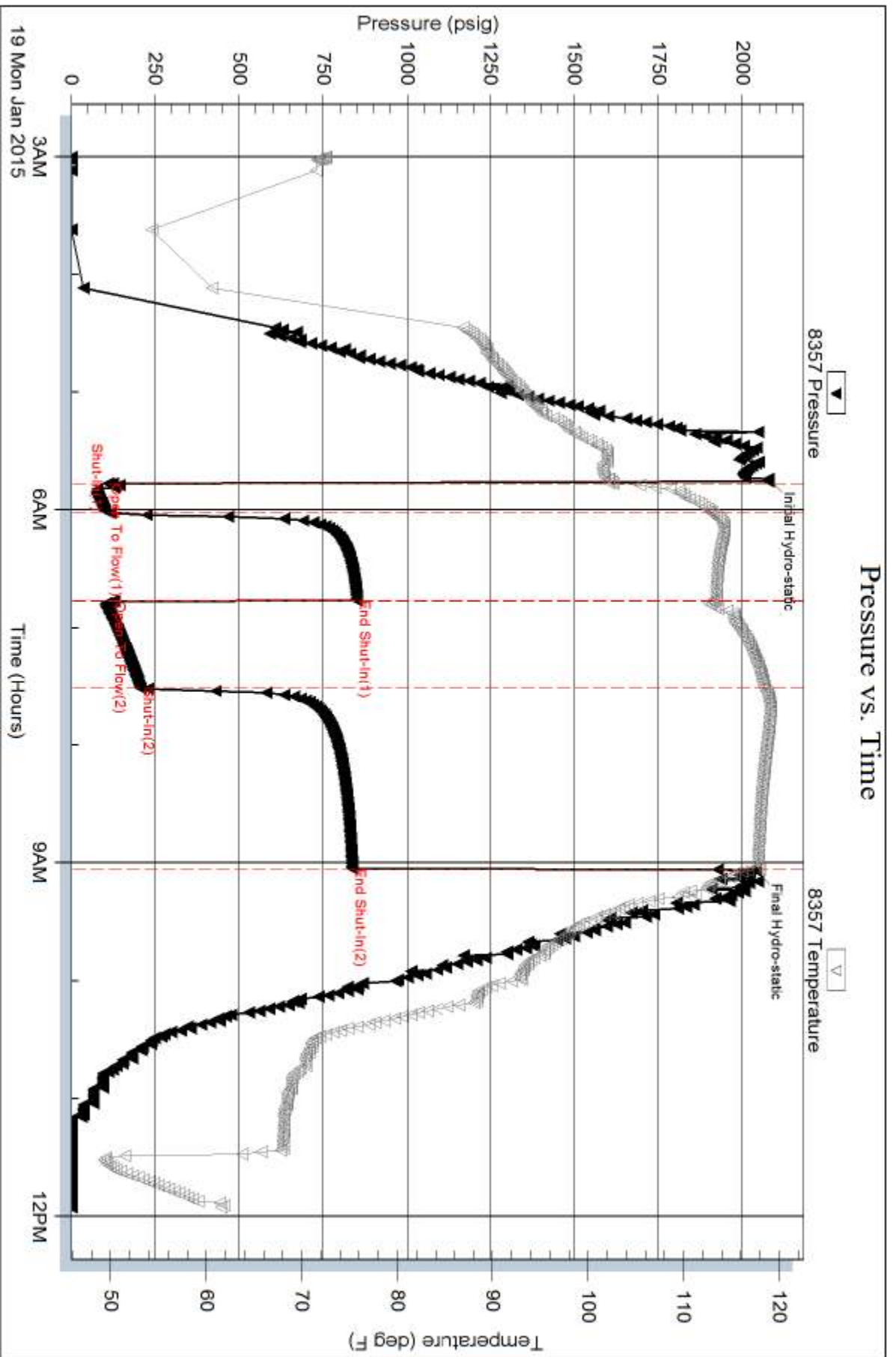
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY SHAKERESPARE OIL CO.
LEASE 2-28
FIELD Wildcat
LOCATION 2070' FNL, 335' FEL
COUNTY Logan STATE Kansas
CONTRACTOR HD Drilling Rig #2
SPUD 1-3-15 **COMP** 1-20-15
RTD 4380' **LTD** 4375'
MUD UP 3400' **TYPE MUD** Chemical
SAMPLES SAVED FROM 3500' to RTD
DRILLING TIME KEPT FROM 3500' to RTD
SAMPLES EXAMINED FROM 3500' to RTD
GEOLOGICAL SUPERVISION FROM 3600' to RTD
GEOLOGIST ON WELL Tim Priest

EL EVATIONS
KG 2682'
DF
GL 2672'
Measurements Are All From KB

CASING
CONDUCTION N/A
SURFACE 8-5/8" @ 267'
PRODUCTION 4-1/2" @ 4380'

ELECTRICAL SURVEYS
CND/DSP/P.E.
Micro
By: Weatherford

FORMATION TOPS
ELECTRIC LOG
SAMPLE

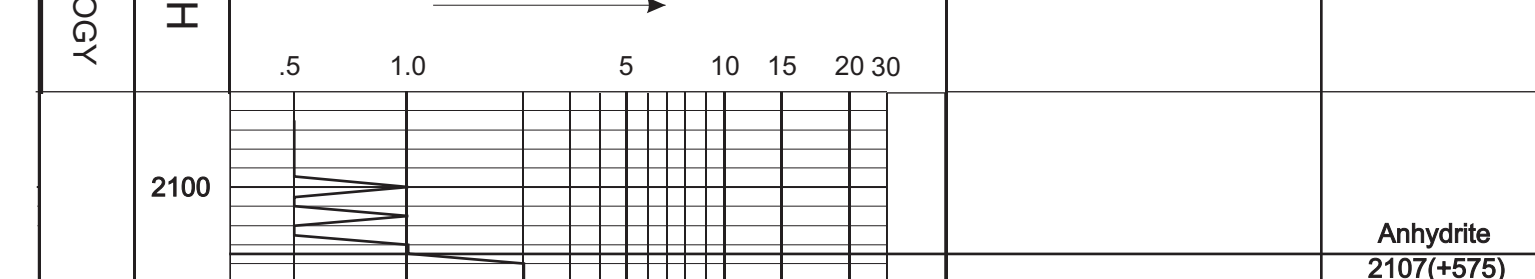
Anydrite	2103 (+579)	2107 (+575)
Heebner Shale	3623 (+941)	3628 (+946)
Amstung	3660 (+978)	3665 (+983)
SARK	3910 (-1228)	3915 (-1233)
BRC	3990 (-1308)	3995 (-1313)
Fort Scott	4167 (-1485)	4171 (-1489)
Cherokee Shale	4194 (-1512)	4199 (-1517)
Mississippian	4307 (-1620)	4307 (-1625)

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

Respectfully Submitted,

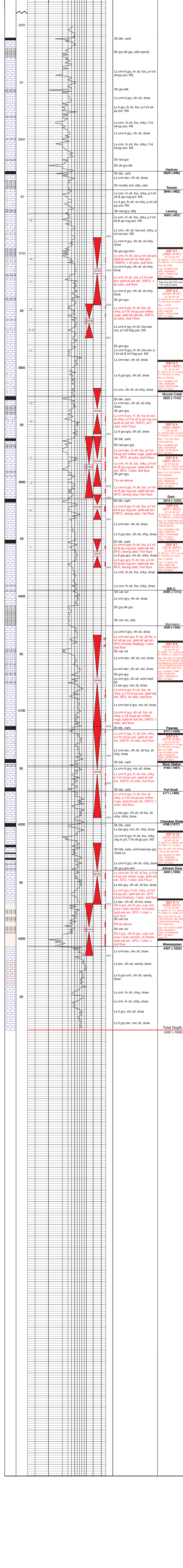
API #15-109-21368-00-00

Tim Priest
 Petroleum Geologist



LEGEND

	Anhydrite
	Sandstone
	Limestone
	Shale
	Carb Sh
	Cherty LS
	Chert
	Dolomite



DEPTH 2100, 3500, 50, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4380

LITHOLOGY

SAMPLE DESCRIPTION

REMARKS

DST # 1 (3686-3745)
 30°-30'-60°-90°
 FF: Built to 12 in, no return
 FF: No blow, no return
 Rec: 20' OSM
 Fps: 19-28W/27-32W
 SIPs: 4628/4628
 HSPs: 17468/17428
 BHT: 103 deg F

DST # 2 (3744-3774)
 30°-30'-60°-90°
 FF: Built to 12 in, no return
 FF: No blow, no return
 Rec: 1' OCM
 Fps: 14-17W/16-17W
 SIPs: 458/309
 HSPs: 17918/1728W
 BHT: 101 deg F

DST # 3 (3818-3858')
 30°-30'-60°-90°
 FF: Surface blow, no return
 FF: No blow, no return
 Rec: 5' V8OCM
 Fps: 105W/201W
 SIPs: 220W/320W
 HSPs: 1829W/1808W
 BHT: 102 deg F

DST # 4 (3860-3904')
 30°-30'-60°-90°
 FF: Surface blow, no return
 FF: Built to 5 in, surface blow
 Rec: 1' FO, 85' SOCM
 Fps: 33-38W/49-64W
 SIPs: 5308/855W
 HSPs: 1814W/1801W
 BHT: 102 deg F

DST # 5 (3860-3914')
 30°-30'-60°-90°
 FF: Built to 5 in, surface return
 FF: No blow, no return
 Rec: 5' FO, 85' SOCM
 Fps: 18-38W/38-65W
 SIPs: 5308/855W
 HSPs: 1821W/1811W
 BHT: 101 deg F

DST # 6 (3911-3933')
 30°-30'-60°-90°
 FF: Surface blow, no return
 FF: BOB in 4", built to 5 in.
 Rec: 10' V8OCM(1%)
 Fps: 19-42W/83-132W
 SIPs: 703W/707W
 HSPs: 1877W/1868W
 BHT: 114 deg F

DST # 7 (3818-3975')
 30°-30'-60°-90°
 FF: Built to 1 1/2 in, no return
 FF: No blow, no return
 Rec: 5' SOCM
 Fps: 17-19W/19-21W
 SIPs: 638W/755W
 HSPs: 1895W/1867W
 BHT: 106 deg F

DST # 8 (4034-4114')
 30°-30'-60°-90°
 FF: BOB in 15", surface blow
 FF: BOB in 4", built to 5 in.
 Rec: 900' GIP, 82' GOCM
 Fps: 105W/45W(4%), 240' MW
 GOCM(47%), 20% GOCM(40%), 20' GOCM(30%), 30% GOCM(40%), 284' Total Fluid
 Fps: 22-80W/77-128W
 SIPs: 5308/855W
 HSPs: 1960W/1921W
 BHT: 111 deg F

DST # 9 (4114-4194')
 30°-30'-60°-90°
 FF: No blow, no return
 FF: No blow, no return
 Rec: 20' OSM
 Fps: 28-30W/31-34W
 SIPs: 814W/857W
 HSPs: 17918/1728W
 BHT: 107 deg F

DST # 10 (4215-4270')
 30°-45'-60°-90°
 FF: Built to 5 in, surface return
 FF: No blow, no return
 Rec: 64' GIP, 120' GOCM
 Fps: 20-50W/114-108W
 SIPs: 458W/450W
 HSPs: 2048W/2018W
 BHT: 113 deg F

DST # 11 (4269-4315')
 30°-30'-60°-90°
 FF: BOB in 6" 2 in, no return
 FF: Built to 5 in, BOB in 9"
 Rec: 2518' GIP, 92' GO
 Fps: 110-101W/122-206W
 SIPs: 851W/837W
 HSPs: 2076W/2040W
 BHT: 118 deg F

Mississippian
 4307 (-1625)

Total Depth
 4380' (-1698)