



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1079451
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: _____

1079451

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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	Ottley 1-9
Doc ID	1079451

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 1-9
Doc ID	1079451

Tops

Name	Top	Datum
Base Anhydrite	2315	+518
Heebner	3791	-958
Lansing	3830	-997
Muncie Creek	3996	-1163
Stark Shale	4087	-1254
Hushpuckney	4120	-1287
BKC	4158	-1325
Pawnee	4288	-1455
Cherokee Shale	4370	-1537
Johnson	4414	-1581
Mississippian	4480	-1647



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 130488

Invoice Date: Mar 12, 2012

Page: 1



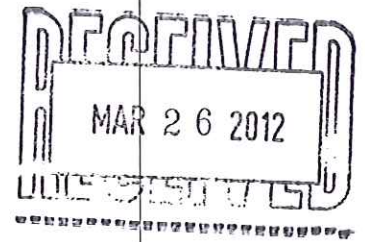
Bill To:
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

INT

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Ottley #1-9	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 12, 2012	4/11/12

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	16.25	2,681.25
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handling	2.25	391.50
1.00	SER	Surface	1,125.00	1,125.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
1.00	SER	Manifold Swedge Rental	325.00	325.00
20.00	SER	Light Vehicle Mileage		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Tyler Flipse		
1.00	OPER ASSIST	Billy Turner		

Surface Cement
10502-S



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

\$ 1031.14

ONLY IF PAID ON OR BEFORE
Apr 6, 2012

Subtotal	5,075.70
Sales Tax	225.88
Total Invoice Amount	5,301.58
Payment/Credit Applied	
TOTAL	5,301.58

DW

ALLIED CEMENTING CO., LLC. 040938

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley, Ks.

DATE <i>3-12-12</i>	SEC <i>9</i>	TWP <i>14</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION <i>9:20 PM</i>	JOB START <i>9:30 PM</i>	JOB FINISH <i>10:00 PM</i>
LEASE <i>O'Heay</i>	WELL # <i>1-9</i>	LOCATION <i>Oakley 185-1W-18-S+W</i>			COUNTY <i>Logan</i>	STATE <i>Ks.</i>	
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD			into				

CONTRACTOR *HD #2*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* TD. *227*

CASING SIZE *8 5/8* DEPTH *227*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 ft*

PERFS.

DISPLACEMENT *13.57*

OWNER *Same*

CEMENT

AMOUNT ORDERED *165 SKs Com 2%*

Gel - 3% CC

COMMON	<i>165 SKs</i>	@ <i>\$16.25</i>	<i>\$2681.25</i>
POZMIX		@	
GEL	<i>3 SKs</i>	@ <i>\$71.35</i>	<i>\$214.05</i>
CHLORIDE	<i>6 SKs</i>	@ <i>\$58.20</i>	<i>\$349.20</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>174</i>	@ <i>\$2.25</i>	<i>\$391.50</i>
MILEAGE	<i>11 q Per mile</i>	@	<i>\$382.80</i>
TOTAL			<i>\$3868.50</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Darren R*

1431 HELPER *Tyler*

BULK TRUCK

1347 DRIVER *Billy*

BULK TRUCK

1 DRIVER

REMARKS:

Mix 165 SKs Cement

Displace with water

Cement Did Circulate

CHARGE TO: *Shakespeare*

TREET _____

CITY _____ STATE _____ ZIP _____

I, _____ of Allied Cementing Co., 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*

SERVICE

DEPTH OF JOB *227*

PUMP TRUCK CHARGE *\$1125.00*

EXTRA FOOTAGE @ ~~*\$17.00*~~

MILEAGE *20* @ *\$7.00* *\$140.00*

MANIFOLD *Swedge* @ *\$325.00*

LV Mileage @ *\$4.00* *\$80.00*

TOTAL *1670.00*

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 130651
Invoice Date: Mar 25, 2012
Page: 1



INT

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #1-9	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 25, 2012	4/24/12

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	21.25	85.00
236.00	MAT	ASC	19.00	4,484.00
22.00	MAT	Salt	23.95	526.90
1,175.00	MAT	Gilsonite	0.89	1,045.75
500.00	MAT	WFRIL	1.27	635.00
312.00	SER	Handling	2.25	702.00
20.00	SER	Mileage	34.32	686.40
1.00	SER	Production	2,405.00	2,405.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
1.00	SER	Manifold Head Rental	200.00	200.00
20.00	SER	Light Vehicle Mileage	4.00	80.00
1.00	EQP	4 1/2 Port Collar	2,485.00	2,485.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Chris Helpingstine		

Cement Longstinsky
10502-S



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

\$ 2695.01

ONLY IF PAID ON OR BEFORE
Apr 19, 2012

Subtotal	13,475.05
Sales Tax	676.10
Total Invoice Amount	14,151.15
Payment/Credit Applied	
TOTAL	14,151.15

DW

ALLIED CEMENTING CO., LLC. 035365

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakley K1

DATE <i>3/25/12</i>	SEC <i>9</i>	TWP. <i>14</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION <i>2:00 AM</i>	JOB START <i>4:00 AM</i>	JOB FINISH <i>5:00 PM</i>
LEASE <i>0-7764</i>	WELL# <i>1-9</i>	LOCATION <i>Dakley 17 S 1W 14 S W 10</i>			COUNTY <i>Logan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *HO*
 TYPE OF JOB *Production*
 HOLE SIZE *7 1/2"* T.D.
 CASING SIZE *4 1/2"* 10% DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL *Port Collar* DEPTH *2270 1/2*
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *422 22*
 CEMENT LEFT IN CSG. *40 22*
 PERFS.
 DISPLACEMENT

OWNER *Same*
 CEMENT AMOUNT ORDERED *235 SK ASC*
1090 Salt 5# Gilsomite 290 gal

EQUIPMENT
 PUMP TRUCK CEMENTER *Alan*
 # *422* HELPER *Wayne*
 BULK TRUCK
 # *347* DRIVER *Chris*
 BULK TRUCK
 # DRIVER

COMMON	@		
POZMIX	@		
GEL	@	<i>4</i>	<i>2125 8500</i>
CHLORIDE	@		
ASC	@	<i>235</i>	<i>1900 446500</i>
SALT	@	<i>22</i>	<i>2325 52600</i>
Gilsomite	@	<i>1125 lb</i>	<i>0.89 1045 25</i>
WFRIT - 500 gal	@	<i>122</i>	<i>63500</i>
HANDLING <i>312 SK</i>	@	<i>225</i>	<i>70200</i>
MILEAGE <i>119 SK/mile</i>	@		<i>686 40</i>
TOTAL			<i>8146 05</i>

REMARKS:
*Ann City Circulate 1000 Pump 5 1/2" O.D. Mix 500 gal
 WFRIT Pump 15 000 gal. Mix 312 SK. Full Hole.
 Mix 1205 SK. Down 4 1/2" Cas. Wash up.
 Displace Plug & float collar w/ 21 1/2" O.D.
 Plug w/ 280 PSI GFT. Load
 Plug @ 1500 PSI. Float Head*
*Thank you
 Alan Wayne, Chris*

CHARGE TO: *Shakespeare*
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB	<i>4542.26</i>
PUMP TRUCK CHARGE	<i>240500</i>
EXTRA FOOTAGE	@
MILEAGE	@ <i>20</i> <i>14000</i>
MANIFOLD <i>9 Head</i>	@ <i>20200</i>
<i>150 Trolley Head</i>	@ <i>n/c n/c</i>
<i>Litellechick 20</i>	@ <i>400 8000</i>
TOTAL <i>282500</i>	

PLUG & FLOAT EQUIPMENT

<i>4 1/2" Port Collar</i>	@	<i>248500</i>
	@	
	@	
	@	
	@	
TOTAL <i>248500</i>		

To Allied Cementing Co., 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*
Good Job!

SALES TAX (if Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 130649
Invoice Date: Mar 30, 2012
Page: 1



Bill To:

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

INT

Customer ID	Well Name## or Customer P.O.	Payment Terms	
Shak	Ottley #1-9	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Mar 30, 2012	4/29/12

Quantity	Item	Description	Unit Price	Amount
258.00	MAT	Class A Common	16.25	4,192.50
172.00	MAT	Pozmix	8.50	1,462.00
30.00	MAT	Gel	21.25	637.50
107.00	MAT	Flo-Seal	2.70	288.90
10.00	MAT	Hulls	31.85	318.50
603.00	SER	Handling	2.25	1,356.75
20.00	SER	Mileage	66.33	1,326.60
1.00	SER	Port Collar	2,125.00	2,125.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
20.00	SER	Light Vehicle Mileage	4.00	80.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Billy Turner		
1.00	OPER ASSIST	Steve Heikkila		

*Port Collar Cement
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

\$2385.55

ONLY IF PAID ON OR BEFORE
Apr 24, 2012

Subtotal	11,927.75
Sales Tax	503.66
Total Invoice Amount	12,431.41
Payment/Credit Applied	
TOTAL	12,431.41

DW

ALLIED CEMENTING CO., LLC. 035262

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>3.30.12</u>	SEC. <u>9</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>10:15</u>	JOB FINISH <u>10:30</u>
LEASE <u>Oakley</u>	WELL.# <u>1-9</u>	LOCATION <u>Oakley 18's 14 15</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>5 tw 120</u>					

CONTRACTOR wild west
 TYPE OF JOB part collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL part collar DEPTH 2268'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 8.8 nml
 EQUIPMENT _____

OWNER same
 CEMENT
 AMOUNT ORDERED 530 sks 68/35
8% gel 1/4" flo-seal
500# hulls
450 430 sks cement
 COMMON 258 @ 16.25 4192.50
 POZMIX 122 @ 8.50 1462.00
 GEL 30.5 sks @ 21.25 633.50
 CHLORIDE _____ @ _____
 ASC _____ @ _____
Flo-seal 107 @ 2.70 288.90
Hulls 500# @ 31.85 3185.00
 HANDLING 603 sks @ 2.25 1356.75
 MILEAGE 118 sk/mile 1326.00
 TOTAL 9578.25

PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Terry
 BULK TRUCK
 # 394 DRIVER Billy
 BULK TRUCK
 # 347 DRIVER Steven

REMARKS:

pressure 1200# open part collar
mix approx 230 sks last circulation
shut down 20 min start mixing
Cement good circulation.
Cement did circulate to surface
with 430 sks cement 500# hulls
1100# left pressure close part
collar pressure to 1200# Reverse
clean.

SERVICE

DEPTH OF JOB 2268'
 PUMP TRUCK CHARGE _____ 2125.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 20 miles @ 7.00 140.00
 MANIFOLD _____ @ _____
light vehicle @ 4.00 80.00

thank you

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

TOTAL 2345.00

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL _____

To Allied Cementing Co., 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.

SALES TAX (if Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME John Davison
 SIGNATURE John Davison



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45141

DST#: 1

ATTN: Tim Priest

Test Start: 2012.03.17 @ 10:10:00

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:03:10

Time Test Ended: 16:13:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 40

Interval: 3824.00 ft (KB) To 3868.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 3868.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 498.82 psig @ 3825.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.17

End Date:

2012.03.17

Last Calib.: 2012.03.17

Start Time: 10:10:00

End Time:

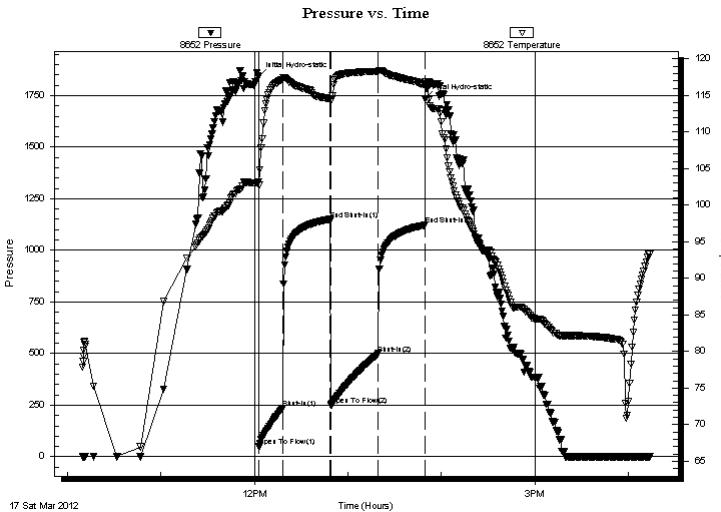
16:13:39

Time On Btm: 2012.03.17 @ 12:02:55

Time Off Btm: 2012.03.17 @ 13:49:40

TEST COMMENT: IF- BOB in 2min
IS- No Blow
FF- BOB in 2 1/2min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.70	103.21	Initial Hydro-static
1	48.79	102.72	Open To Flow (1)
16	236.02	117.22	Shut-In(1)
46	1150.23	114.53	End Shut-In(1)
46	249.39	114.22	Open To Flow (2)
77	498.82	118.29	Shut-In(2)
107	1122.47	116.45	End Shut-In(2)
107	1736.45	116.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
486.00	MCW 4%m 96%w	5.70
366.00	MCW 10%m 90%w	5.13
183.00	OMCW 1%oil 30%m 69%w	2.57
19.00	OMCW 3%oil 35%m 62%w	0.27
1.00	Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45141

DST#: 1

ATTN: Tim Priest

Test Start: 2012.03.17 @ 10:10:00

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:

71000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
486.00	MCW 4%m 96%w	5.697
366.00	MCW 10%m 90%w	5.134
183.00	OMCW 1%oil 30%m 69%w	2.567
19.00	OMCW 3%oil 35%m 62%w	0.267
1.00	Oil	0.014

Total Length: 1055.00 ft Total Volume: 13.679 bbl

Num Fluid Samples: 0

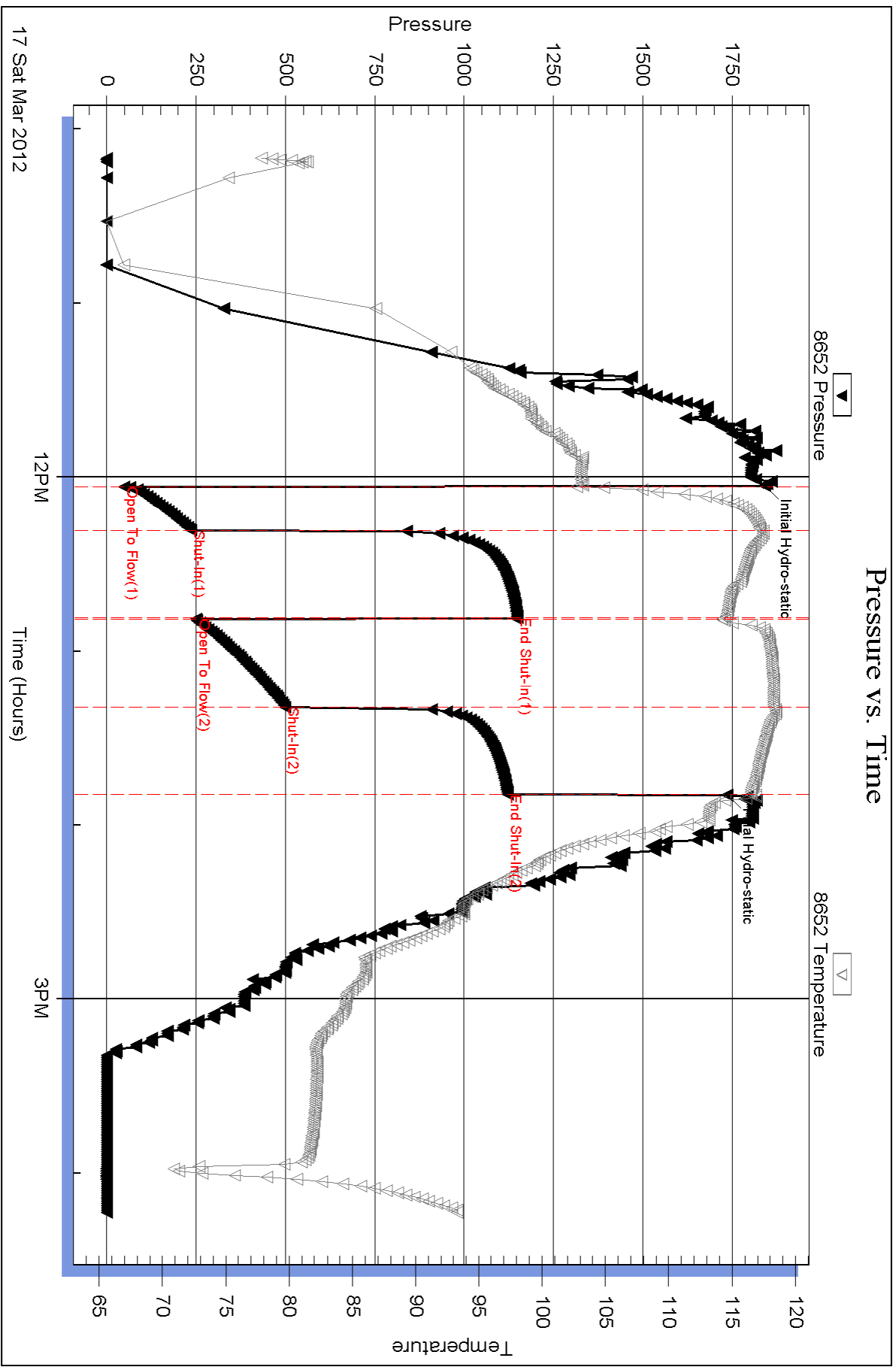
Num Gas Bombs: 0

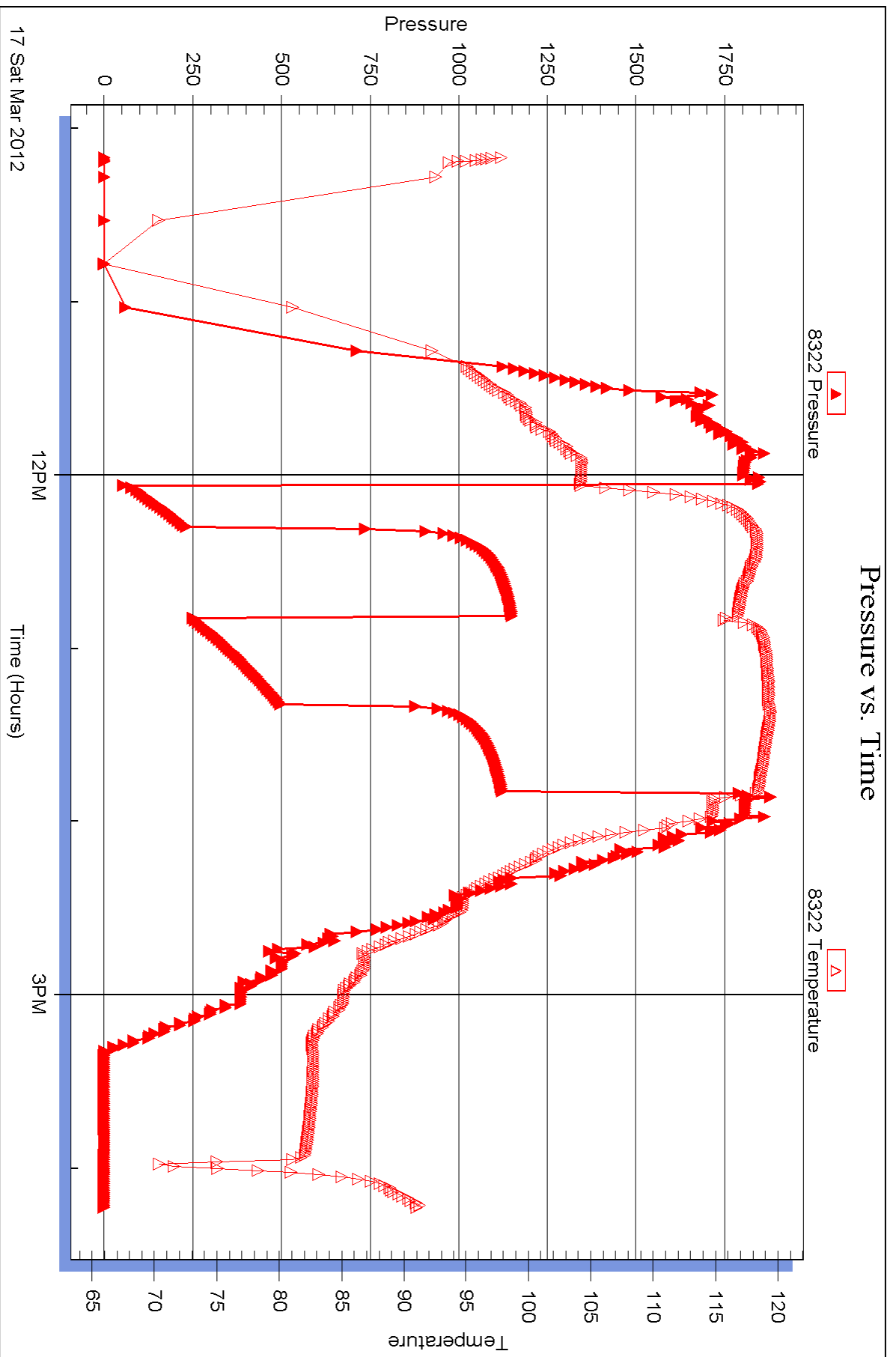
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .089 @ 83f = 71000







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45143

DST#: 2

ATTN: Tim Priest

Test Start: 2012.03.17 @ 22:28:00

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:23:10

Time Test Ended: 06:19:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 3858.00 ft (KB) To 3882.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 3868.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 339.66 psig @ 3859.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.17

End Date:

2012.03.18

Last Calib.: 2012.03.18

Start Time: 22:28:00

End Time:

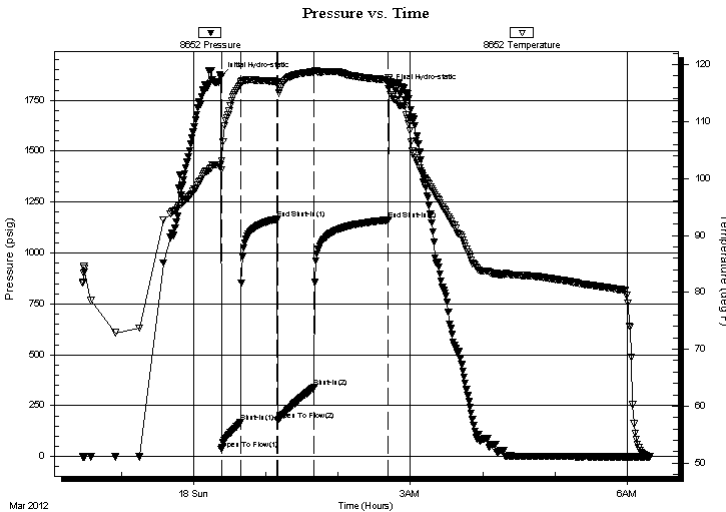
06:19:09

Time On Btm: 2012.03.18 @ 00:22:55

Time Off Btm: 2012.03.18 @ 02:41:55

TEST COMMENT: IF- BOB in 2 3/4min
IS- No Blow
FF- BOB in 4min
FS- Weak Surface Blow in 38min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.76	102.39	Initial Hydro-static
1	35.06	101.50	Open To Flow (1)
17	169.41	116.57	Shut-In(1)
47	1166.10	117.07	End Shut-In(1)
47	177.96	116.43	Open To Flow (2)
78	339.66	118.76	Shut-In(2)
139	1162.07	117.28	End Shut-In(2)
139	1807.04	117.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
244.00	MCW 12%w 88%w	2.30
111.00	OGWCM 10%oil 15%g 30%w 45%m	1.56
71.00	MGCO 4%w 30%g 66%oil	1.00
183.00	GO 30%g 70%oil	2.57
101.00	GO 15%g 85%oil	1.42
0.00	183' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

202 W Main St
Salem IL 62881

ATTN: Tim Priest

9-14s-32w Logan Co. KS

Ottley #1-9

Job Ticket: 45143

DST#: 2

Test Start: 2012.03.17 @ 22:28:00

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:23:10

Time Test Ended: 06:19:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 3858.00 ft (KB) To 3882.00 ft (KB) (TVD)

Total Depth: 3868.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8322 Outside

Press@RunDepth: psig @ 3859.00 ft (KB)

Start Date: 2012.03.17

End Date:

2012.03.18

Capacity: 8000.00 psig

Last Calib.:

2012.03.18

Start Time: 22:28:05

End Time:

06:19:29

Time On Btm:

Time Off Btm:

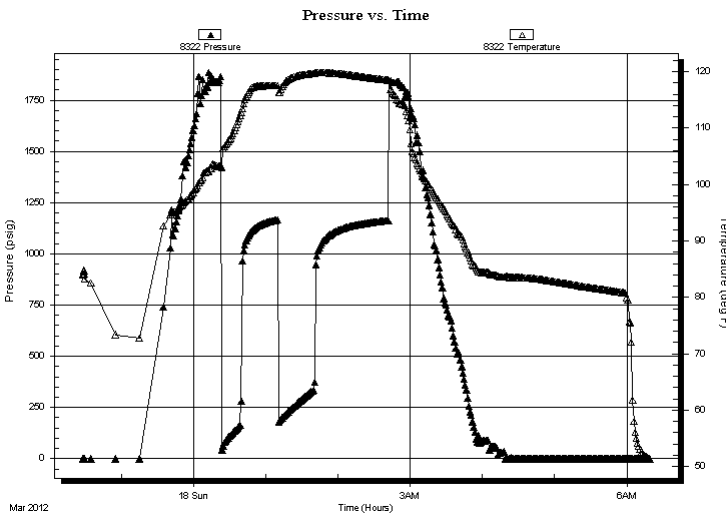
TEST COMMENT: IF- BOB in 2 3/4min

IS- No Blow

FF- BOB in 4min

FS- Weak Surface Blow in 38min

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
244.00	MCW 12%m 88%w	2.30
111.00	OGWCM 10%oil 15%g 30%w 45%m	1.56
71.00	MGCO 4%m 30%g 66%oil	1.00
183.00	GO 30%g 70%oil	2.57
101.00	GO 15%g 85%oil	1.42
0.00	183' of 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

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45143

DST#: 2

ATTN: Tim Priest

Test Start: 2012.03.17 @ 22:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 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
244.00	MCW 12%m 88%w	2.302
111.00	OGWCM 10%oil 15%g 30%w 45%m	1.557
71.00	MGCO 4%m 30%g 66%oil	0.996
183.00	GO 30%g 70%oil	2.567
101.00	GO 15%g 85%oil	1.417
0.00	183' of GIP	0.000

Total Length: 710.00 ft Total Volume: 8.839 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

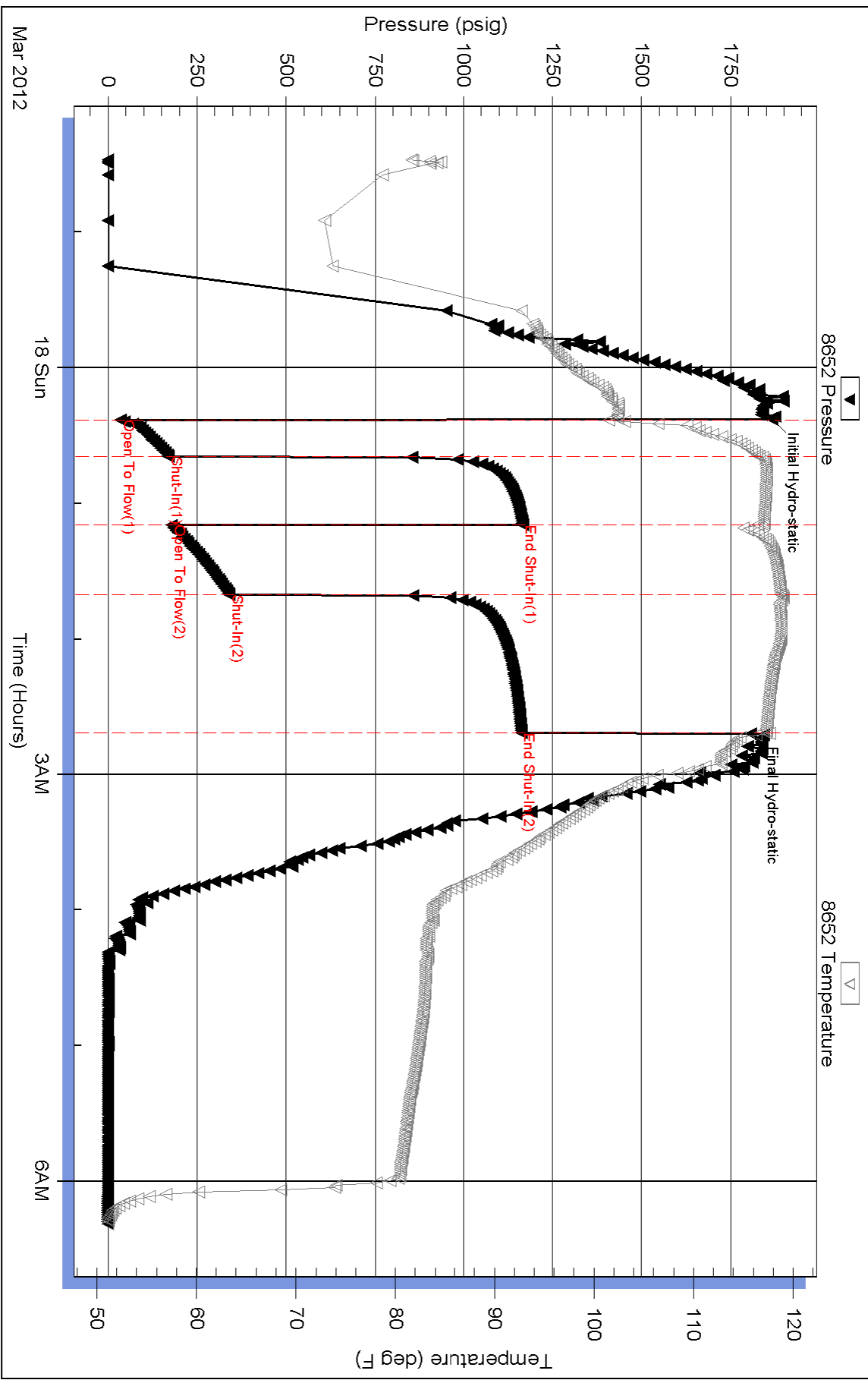
Laboratory Name:

Laboratory Location:

Recovery Comments: API is 25 @ 60f = 25

RW is .298 @ 36f = 48000

Pressure vs. Time

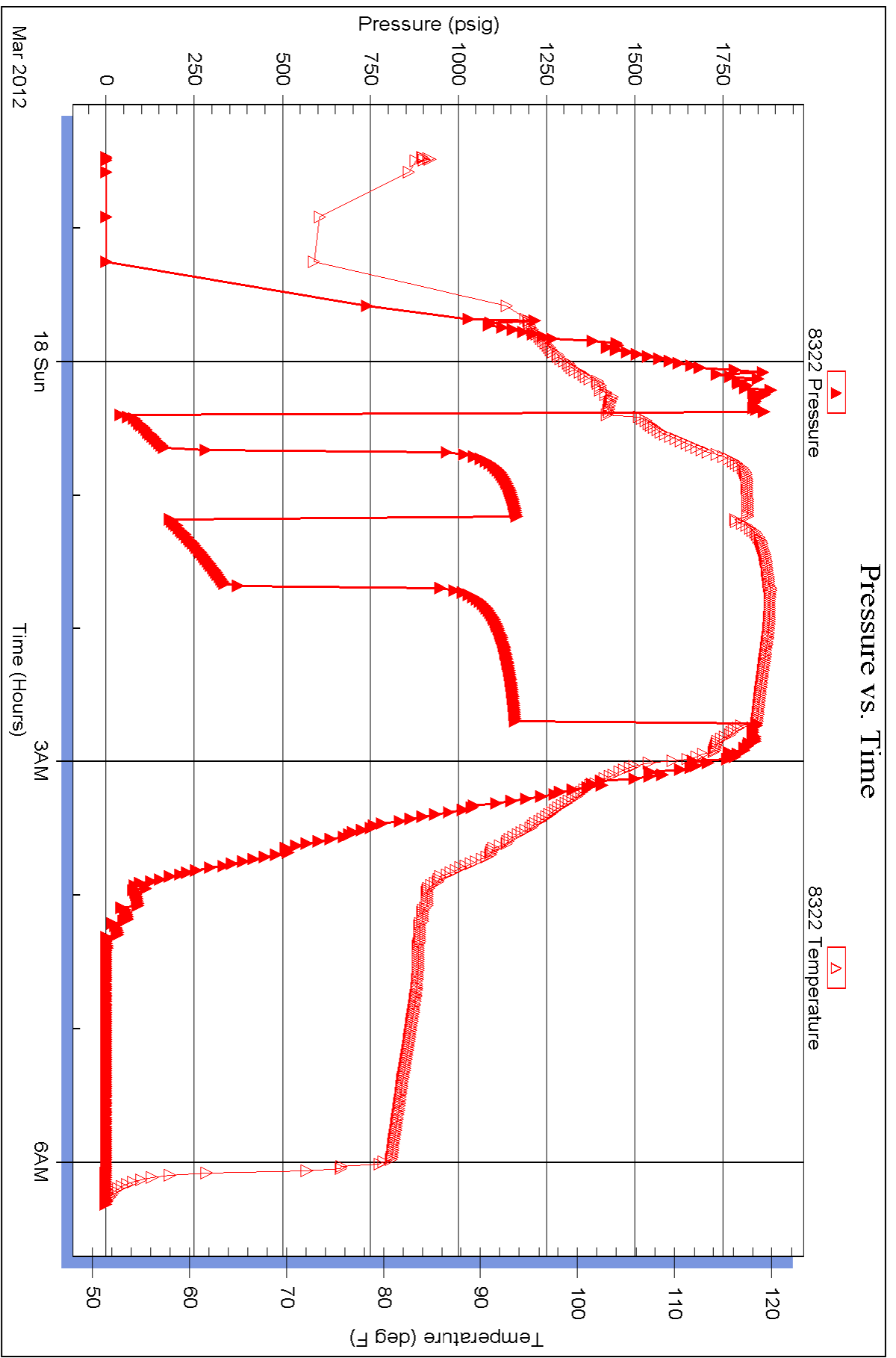


Serial #: 8322

Outside Shakespeare Oil Co. Inc.

Oilley #1-9

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45144

DST#: 3

ATTN: Tim Priest

Test Start: 2012.03.18 @ 17:16:00

GENERAL INFORMATION:

Formation: **Lansing "C-D-E-F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:05:10
 Tester: Will MacLean
 Time Test Ended: 00:41:54
 Unit No: 40
 Interval: **3878.00 ft (KB) To 3940.00 ft (KB) (TVD)**
 Reference Elevations: 2833.00 ft (KB)
 Total Depth: 3940.00 ft (KB) (TVD)
 2823.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

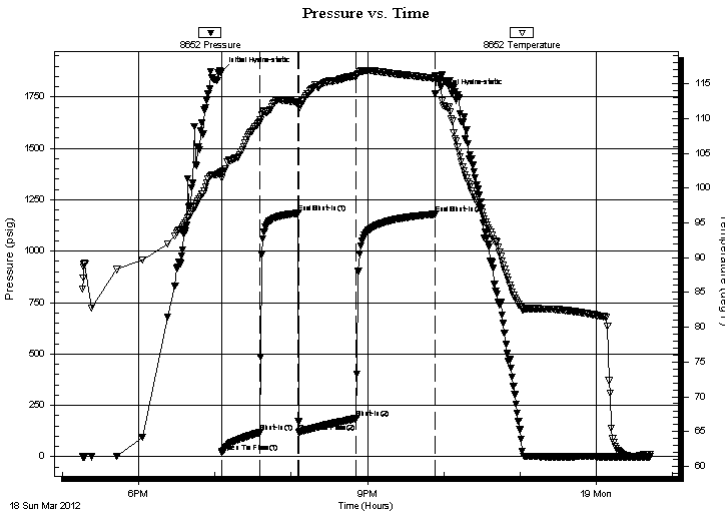
Serial #: 8652

Inside

Press @ Run Depth: 185.72 psig @ 3880.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.18 End Date: 2012.03.19 Last Calib.: 2012.03.19
 Start Time: 17:16:00 End Time: 00:41:54 Time On Btm: 2012.03.18 @ 19:04:55
 Time Off Btm: 2012.03.18 @ 21:53:09

TEST COMMENT: IF- Surface Blow Built to BOB in 23min
 IS- No Blow
 FF- Weak Surface Blow Built to 6 3/4"
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.67	102.33	Initial Hydro-static
1	19.11	101.44	Open To Flow (1)
31	116.65	109.47	Shut-In(1)
61	1185.11	112.36	End Shut-In(1)
61	119.84	111.89	Open To Flow (2)
107	185.72	116.19	Shut-In(2)
168	1179.38	115.80	End Shut-In(2)
169	1765.82	116.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OMCW 1%oil 4%m 95%w	0.59
122.00	OMCW 2%oil 16%m 82%w	1.68
61.00	OMCW 1%oil 22%m 77%w	0.86
56.00	GOMCW 3%g 4%oil 40%m 53%w	0.79
20.00	GO 5%g 95%oil	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45144

DST#: 3

ATTN: Tim Priest

Test Start: 2012.03.18 @ 17:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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 bbbl
120.00	OMCW 1%oil 4%m 95%w	0.590
122.00	OMCW 2%oil 16%m 82%w	1.684
61.00	OMCW 1%oil 22%m 77%w	0.856
56.00	GOMCW 3%g 4%oil 40%m 53%w	0.786
20.00	GO 5%g 95%oil	0.281

Total Length: 379.00 ft Total Volume: 4.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 26 @ 60f = 26

RW is .219 @ 52f = 45000

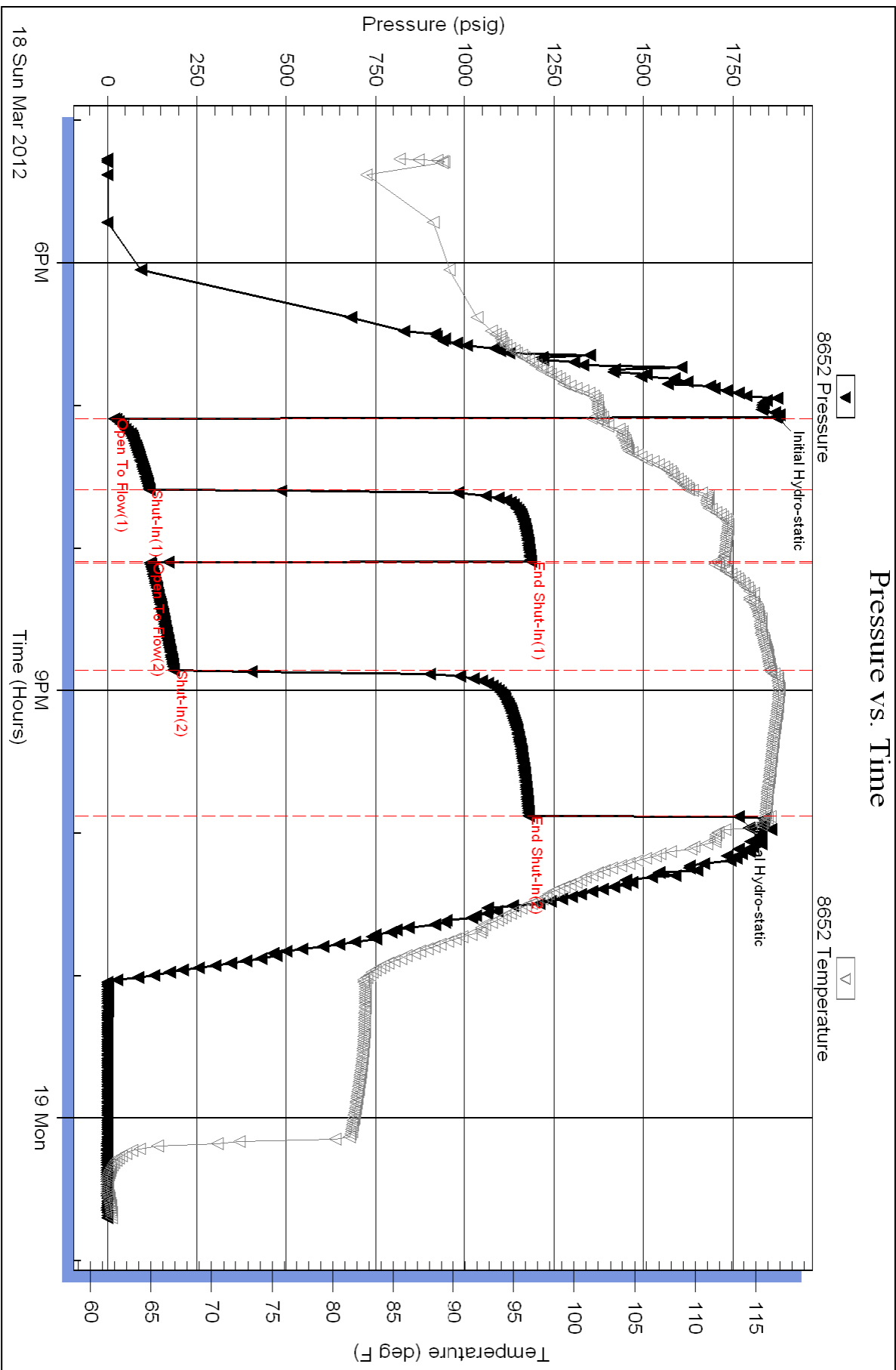
Serial #: 8652

Inside

Shakespeare Oil Co. Inc.

Oilkey #1-9

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 45144

Printed: 2012.03.19 @ 08:14:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45145

DST#: 4

ATTN: Tim Priest

Test Start: 2012.03.19 @ 17:52:00

GENERAL INFORMATION:

Formation: **Lansing I & J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:47:55

Time Test Ended: 00:49:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4017.00 ft (KB) To 4072.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4072.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 56.55 psig @ 4018.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.19

End Date:

2012.03.20

Last Calib.: 2012.03.20

Start Time: 17:52:00

End Time:

00:49:24

Time On Btm: 2012.03.19 @ 19:47:40

Time Off Btm: 2012.03.19 @ 22:37:09

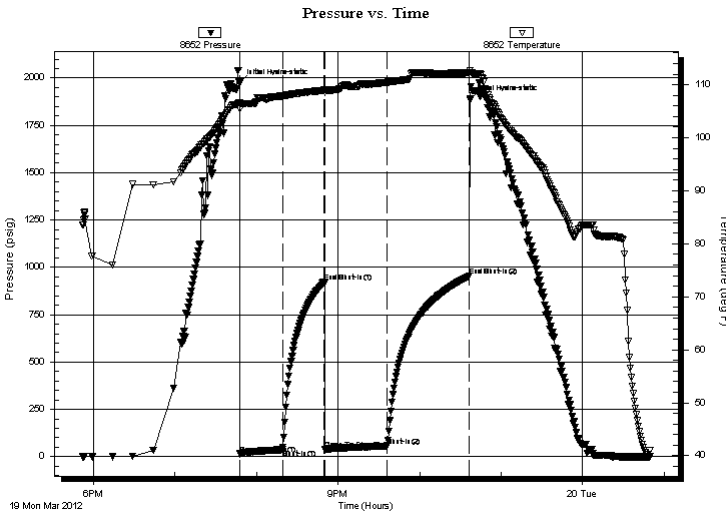
TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

IS- No Blow

FF- Weak Surface Blow in 7min

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.88	106.65	Initial Hydro-static
1	14.86	105.43	Open To Flow (1)
32	37.22	107.87	Shut-In(1)
63	924.01	108.95	End Shut-In(1)
63	40.02	108.59	Open To Flow (2)
109	56.55	110.44	Shut-In(2)
169	953.04	112.24	End Shut-In(2)
170	1884.13	112.70	Final Hydro-static

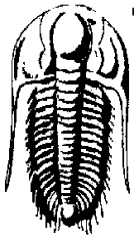
Recovery

Length (ft)	Description	Volume (bbl)
35.00	WCM 3%w 97% Mud with Oil Spots	0.17

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45145

DST#: 4

ATTN: Tim Priest

Test Start: 2012.03.19 @ 17:52:00

GENERAL INFORMATION:

Formation: **Lansing I & J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:47:55

Time Test Ended: 00:49:24

Interval: **4017.00 ft (KB) To 4072.00 ft (KB) (TVD)**

Total Depth: 4072.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8322 Outside

Press @ Run Depth: psig @ 4018.00 ft (KB)

Start Date: 2012.03.19

End Date:

2012.03.20

Capacity: 8000.00 psig

Last Calib.:

2012.03.20

Start Time:

17:51:45

End Time:

00:49:24

Time On Btm:

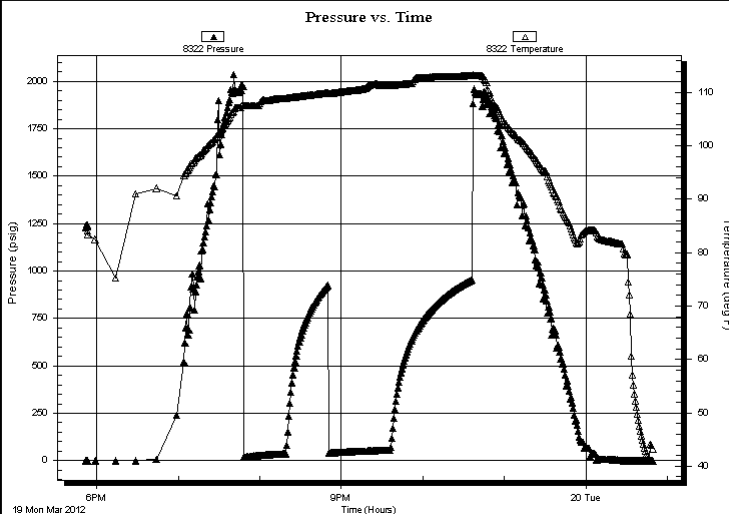
Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

IS- No Blow

FF- Weak Surface Blow in 7min

FS- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
35.00	WCM 3%w 97% Mud with Oil Spots	0.17

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45145

DST#: 4

ATTN: Tim Priest

Test Start: 2012.03.19 @ 17:52:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	WCM 3%w 97% Mud with Oil Spots	0.172

Total Length: 35.00 ft Total Volume: 0.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8652

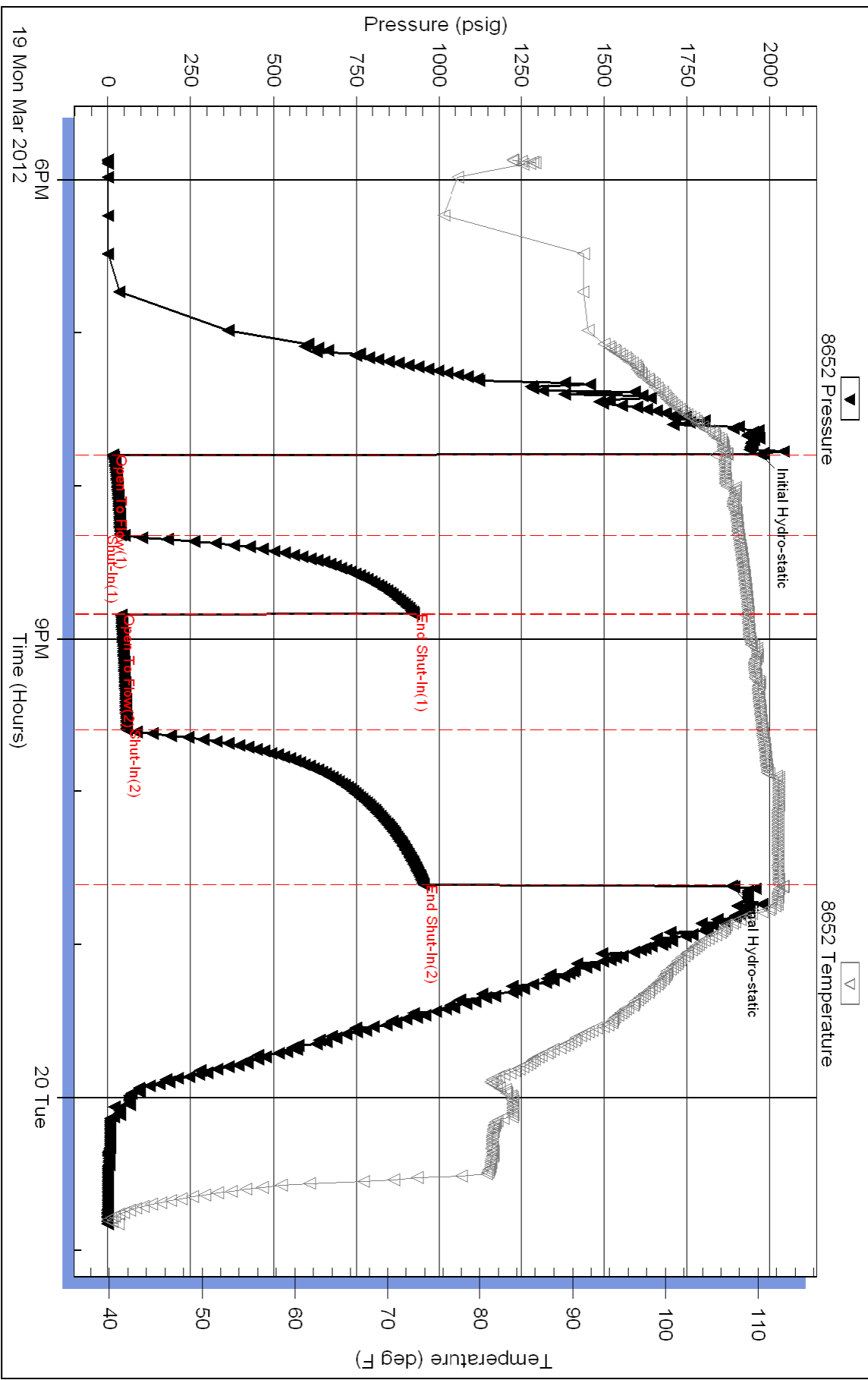
Inside

Shakespeare Oil Co. Inc.

Ottley #1-9

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45145

Printed: 2012.03.20 @ 09:41:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45146

DST#: 5

ATTN: Tim Priest

Test Start: 2012.03.20 @ 15:18:00

GENERAL INFORMATION:

Formation: **Lansing "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:53:40

Time Test Ended: 20:39:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4079.00 ft (KB) To 4106.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4106.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 31.37 psig @ 4080.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.20

End Date: 2012.03.20

Last Calib.: 2012.03.20

Start Time: 15:18:00

End Time: 20:39:54

Time On Btm: 2012.03.20 @ 16:53:25

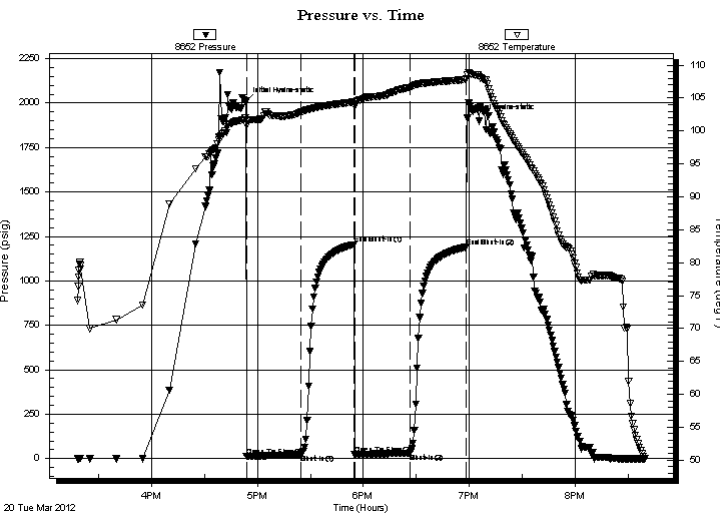
Time Off Btm: 2012.03.20 @ 18:58:55

TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- Weak Surface Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.60	101.98	Initial Hydro-static
1	13.34	100.89	Open To Flow (1)
32	22.31	102.89	Shut-In(1)
62	1205.37	104.41	End Shut-In(1)
62	22.81	103.71	Open To Flow (2)
93	31.37	106.61	Shut-In(2)
125	1190.38	107.90	End Shut-In(2)
126	1914.63	108.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% m with Few Oil Spots	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45146

DST#: 5

ATTN: Tim Priest

Test Start: 2012.03.20 @ 15:18:00

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: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%m with Few Oil Spots	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

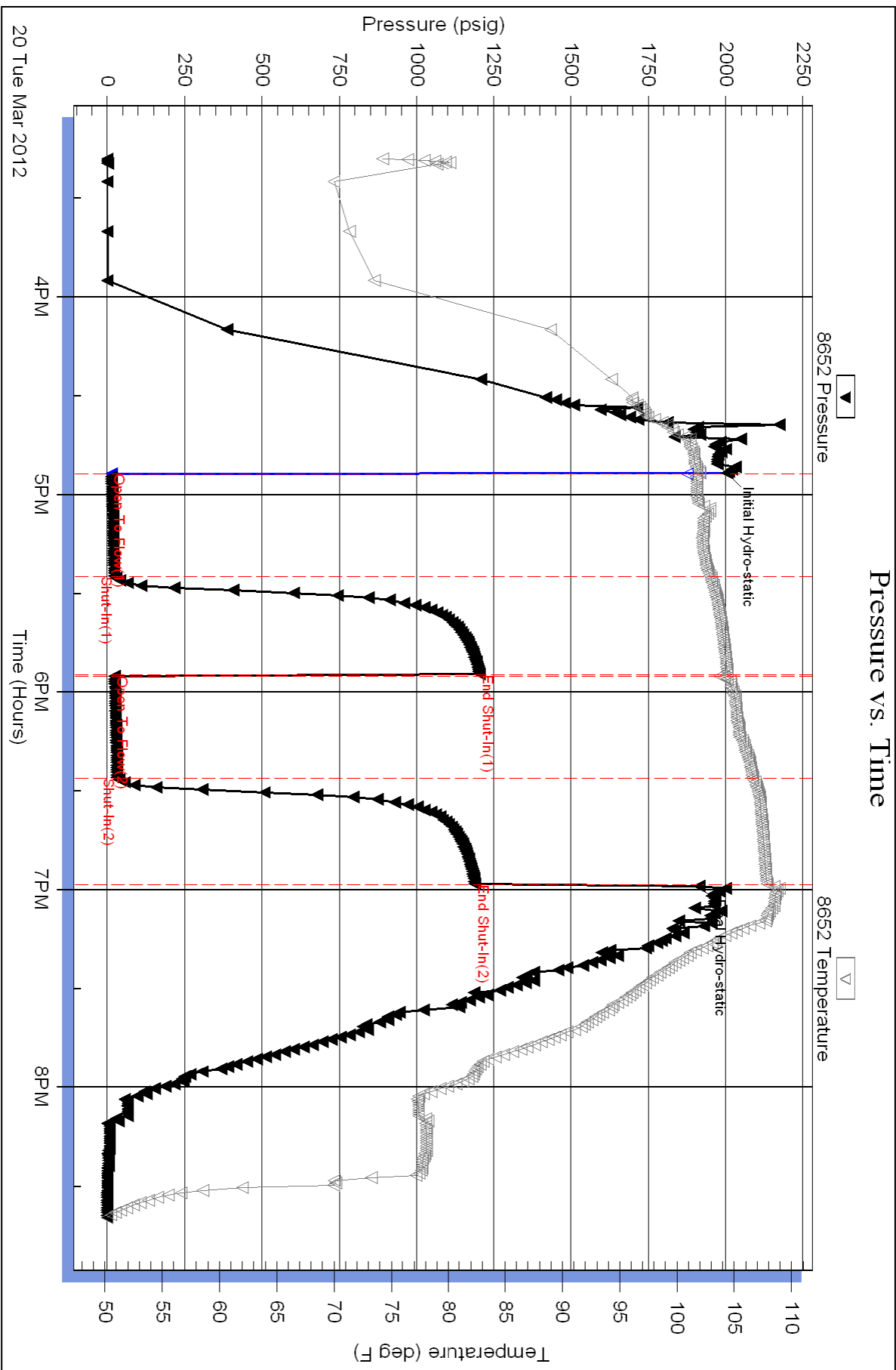
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45147

DST#: 6

ATTN: Tim Priest

Test Start: 2012.03.21 @ 21:51:00

GENERAL INFORMATION:

Formation: **Myric - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:20:10

Time Test Ended: 05:41:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4315.00 ft (KB) To 4372.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4372.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 19.20 psig @ 4317.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.21

End Date:

2012.03.22

Last Calib.:

2012.03.22

Start Time: 21:51:00

End Time:

05:41:39

Time On Btm:

2012.03.22 @ 00:19:55

Time Off Btm:

2012.03.22 @ 03:12:54

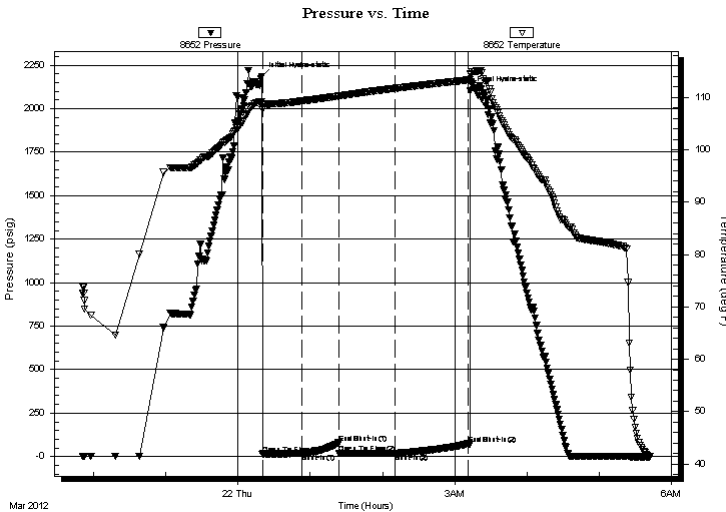
TEST COMMENT: IF- Weak Surface Blow Died in 22min

IS- No Blow

FF- No Blow

IS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.35	109.15	Initial Hydro-static
1	14.74	107.70	Open To Flow (1)
34	17.09	109.30	Shut-In(1)
64	78.73	110.23	End Shut-In(1)
64	16.95	110.19	Open To Flow (2)
111	19.20	111.71	Shut-In(2)
172	73.51	113.30	End Shut-In(2)
173	2105.58	114.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 1%oil 99%m Skim of Oil on top	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45147

DST#: 6

ATTN: Tim Priest

Test Start: 2012.03.21 @ 21:51:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 1%oil 99%m Skim of Oil on top	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

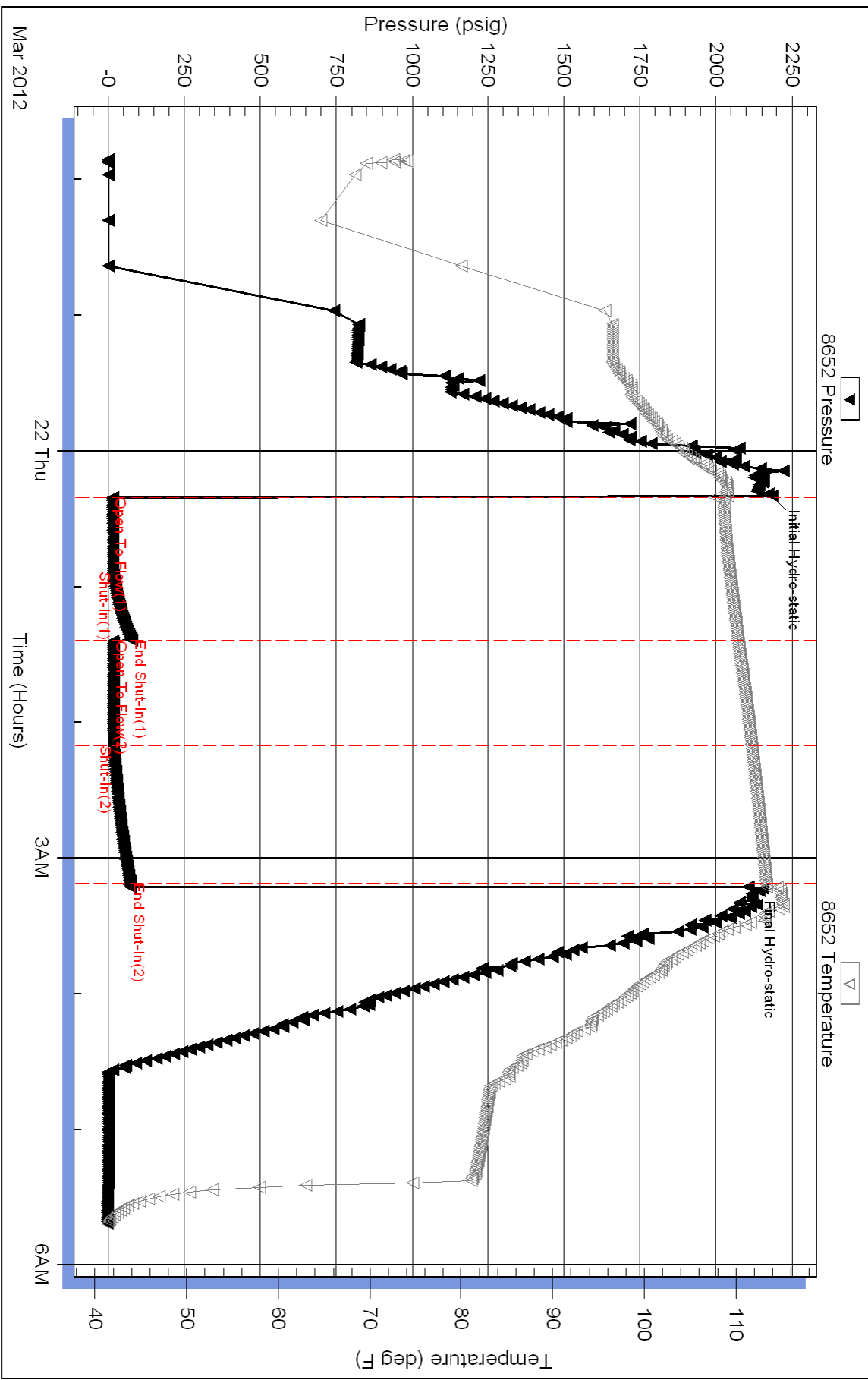
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45148

DST#: 7

ATTN: Tim Priest

Test Start: 2012.03.22 @ 17:14:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:58:55

Time Test Ended: 01:34:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4392.00 ft (KB) To 4442.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4442.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 250.31 psig @ 4393.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.22

End Date:

2012.03.23

Last Calib.:

2012.03.23

Start Time:

17:14:00

End Time:

01:34:24

Time On Btm:

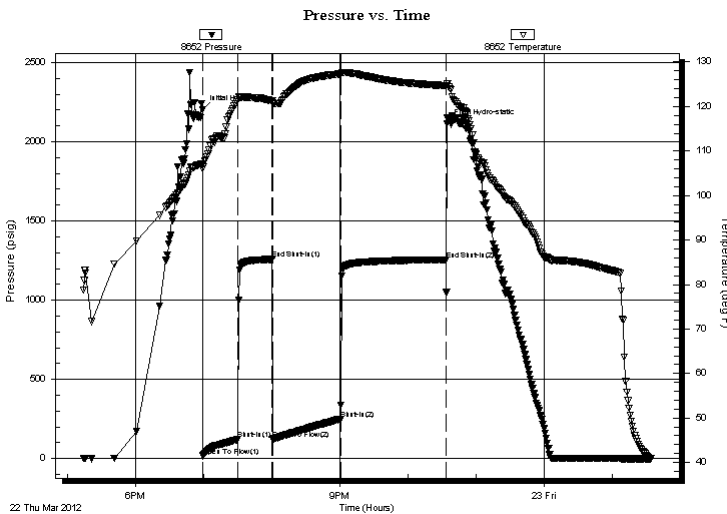
2012.03.22 @ 18:58:40

Time Off Btm:

2012.03.22 @ 22:34:24

TEST COMMENT: IF- Surface Blow Built to BOB in 24 3/4min
IS- No Blow
FF- Weak Surface Blow built to BOB in 36min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.30	106.98	Initial Hydro-static
1	17.79	105.96	Open To Flow (1)
32	122.10	121.61	Shut-In(1)
62	1258.62	121.28	End Shut-In(1)
62	123.91	120.81	Open To Flow (2)
122	250.31	127.32	Shut-In(2)
215	1255.73	124.65	End Shut-In(2)
216	2114.72	125.23	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
240.00	MCW 8%w 92%w	2.25
120.00	MCW 17%w 83%w	1.68
60.00	MCW 45%w 55%w	0.84
90.00	WCM 15%w 85%w with Few Oil Spots	1.26

	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.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45148

DST#: 7

ATTN: Tim Priest

Test Start: 2012.03.22 @ 17:14:00

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:

41000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
240.00	MCW 8% <i>m</i> 92% <i>w</i>	2.246
120.00	MCW 17% <i>m</i> 83% <i>w</i>	1.683
60.00	MCW 45% <i>m</i> 55% <i>w</i>	0.842
90.00	WCM 15% <i>w</i> 85% <i>m</i> with Few Oil Spots	1.262

Total Length: 510.00 ft

Total Volume: 6.033 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .241 @ 51f = 41000

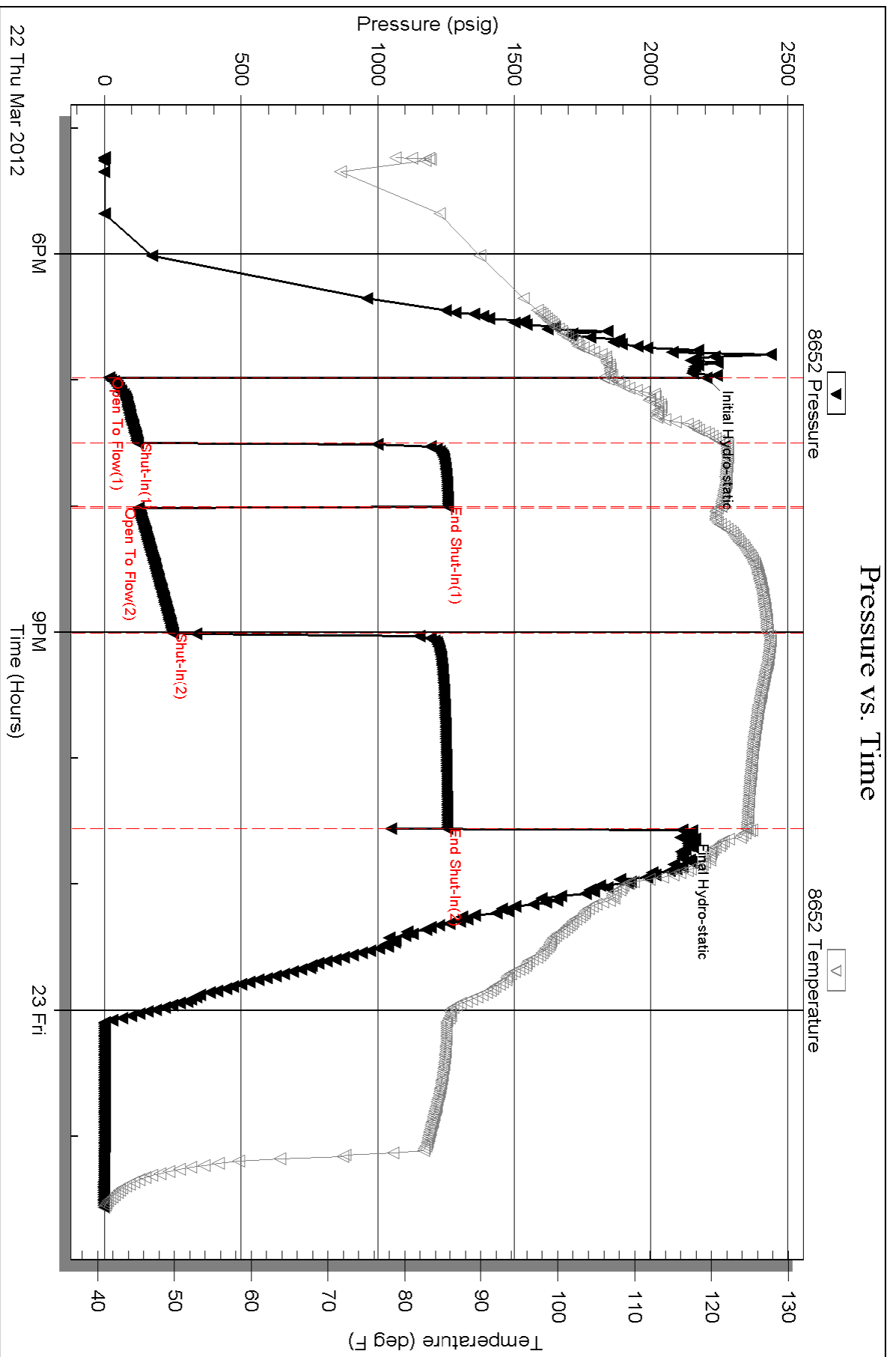
Serial #: 8652

Inside

Shakespeare Oil Co. Inc.

Oilley #1-9

DST Test Number: 7





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45149

DST#: 8

ATTN: Tim Priest

Test Start: 2012.03.23 @ 11:22:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:06:10

Time Test Ended: 18:07:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4440.00 ft (KB) To 4465.00 ft (KB) (TVD)

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 27.98 psig @ 4442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.23

End Date:

2012.03.23

Last Calib.:

2012.03.23

Start Time:

11:22:00

End Time:

18:07:24

Time On Btm:

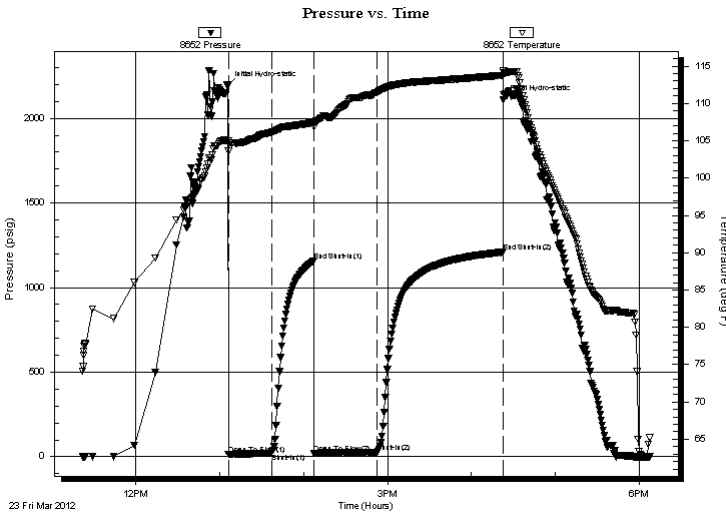
2012.03.23 @ 13:05:55

Time Off Btm:

2012.03.23 @ 16:22:54

TEST COMMENT: IF- Weak Surface Blow
IS- No Blow
FF- Weak Surface Blow
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.61	104.97	Initial Hydro-static
1	14.63	103.58	Open To Flow (1)
31	20.25	106.14	Shut-In(1)
62	1157.94	107.47	End Shut-In(1)
62	21.44	106.89	Open To Flow (2)
107	27.98	111.49	Shut-In(2)
197	1209.96	113.79	End Shut-In(2)
197	2109.60	114.43	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co. Inc.

9-14s-32w Logan Co. KS

202 W Main St
Salem IL 62881

Ottley #1-9

Job Ticket: 45149

DST#: 8

ATTN: Tim Priest

Test Start: 2012.03.23 @ 11:22:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 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 bbl
15.00	100%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

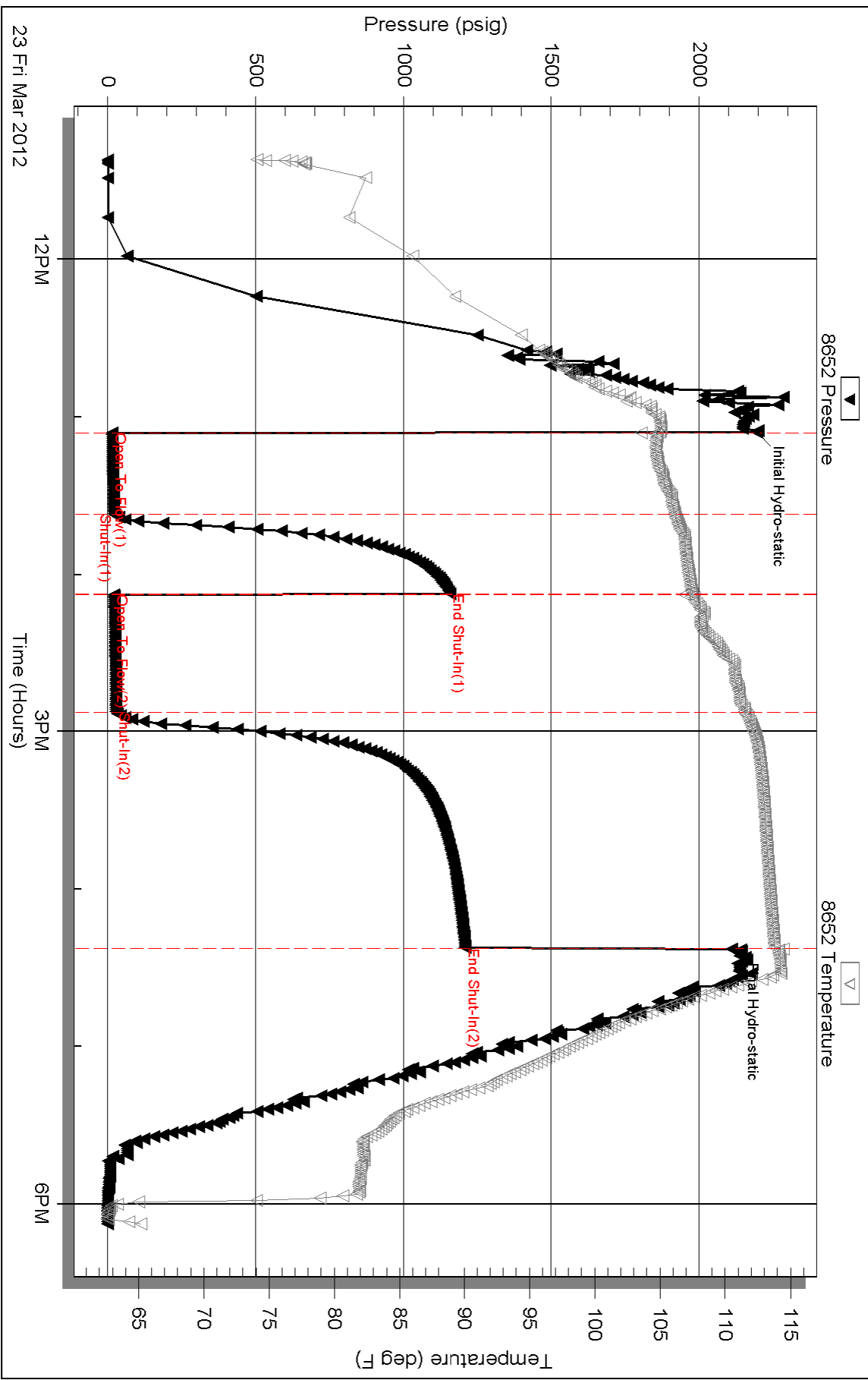
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

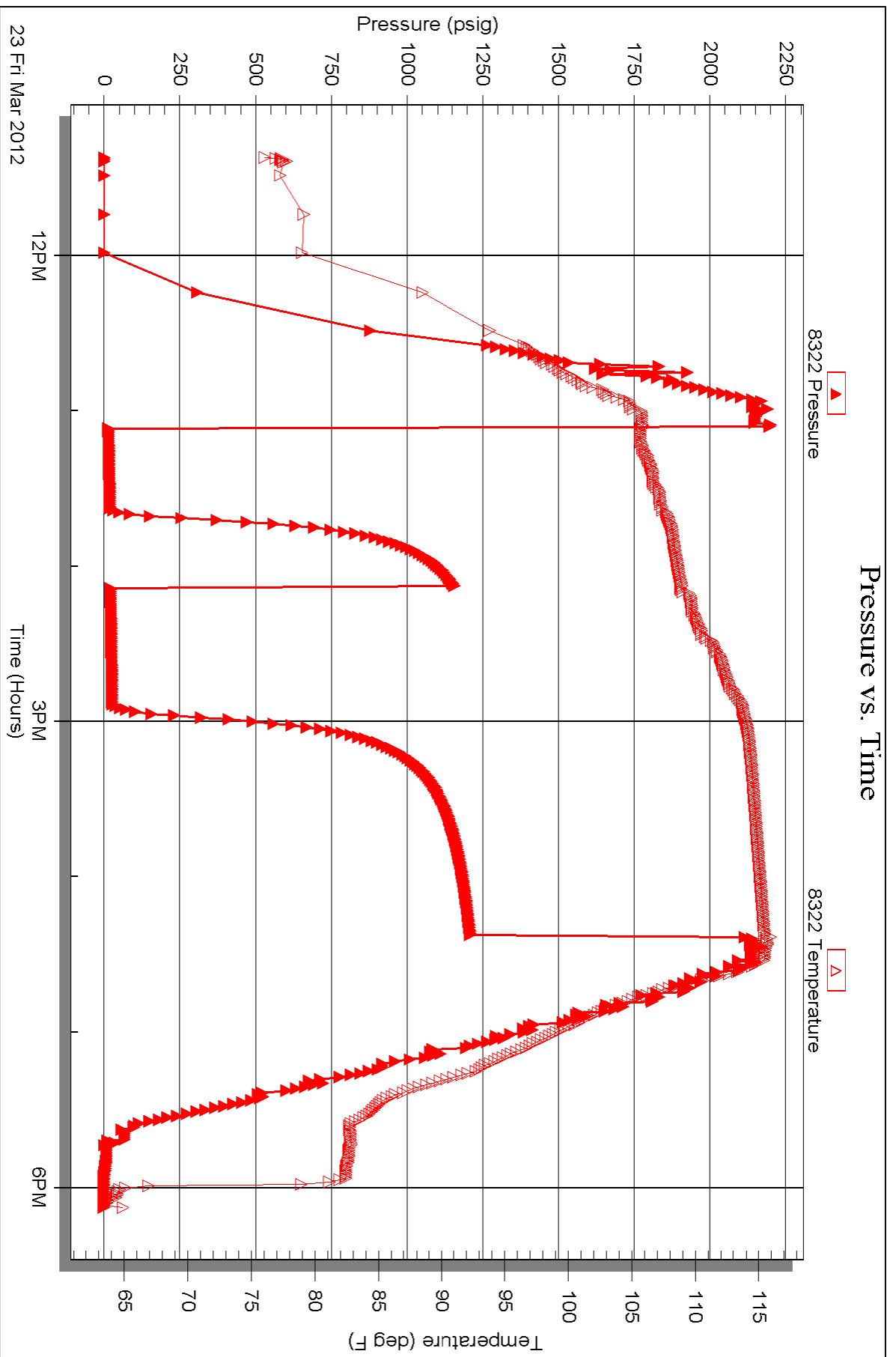


Serial #: 8322

Outside Shakespeare Oil Co. Inc.

Oilley #1-9

DST Test Number: 8



Triobite Testing, Inc

Ref. No: 45149

Printed: 2012.03.24 @ 08:53:11

TIM PRIEST
Petroleum Geologist
(316)-213-6115

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

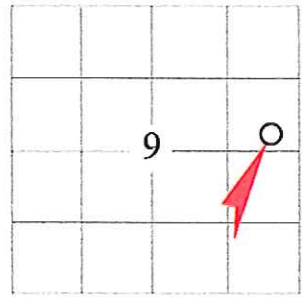
COMPANY SHAKESPEARE OIL CO.
LEASE Ottley 1-9
FIELD Wildcat
LOCATION 1670' FNL, 407' FEL
SEC 9 TWSP 14S RGE 32W
COUNTY Logan STATE Kansas
CONTRACTOR HD DrillingRig #2
SPUD 3-12-12 COMP 3-24-12
RTD 4544' LTD 4541'
MUD UP 3500' TYPE MUD Chemical
SAMPLES SAVED FROM 3650' to RTD
DRILLING TIME KEPT FROM 3660' to RTD
SAMPLES EXAMINED FROM 3650' to RTD
GEOLOGICAL SUPERVISION FROM 3700' to RTD
GEOLOGIST ON WELL Tim Priest

ELEVATIONS
KB 2833'
DF _____
GL 2823'
Measurements Are All
From KB

CASING
CONDUCTOR N/A
SURFACE 8-5/8" @ 224'
PRODUCTION _____

ELECTRICAL SURVEYS
CND;D/SP;P.E.
Micro
By: Weatherford

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2294 (+539)	2297 (+536)
Heebner Shale	3791 (-958)	3794 (-961)
Lansing	3829 (-996)	3833 (-1000)
Stark	4087 (-1254)	4091 (-1258)
BKC	4158 (-1325)	4162 (-1329)
Fort Scott	4343 (-1510)	4345 (-1512)
Cherokee Shale	4370 (-1537)	4371 (-1538)
Mississippian	4480 (-1647)	4476 (-1643)

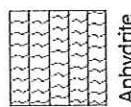
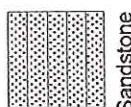
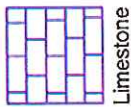



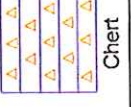
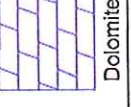
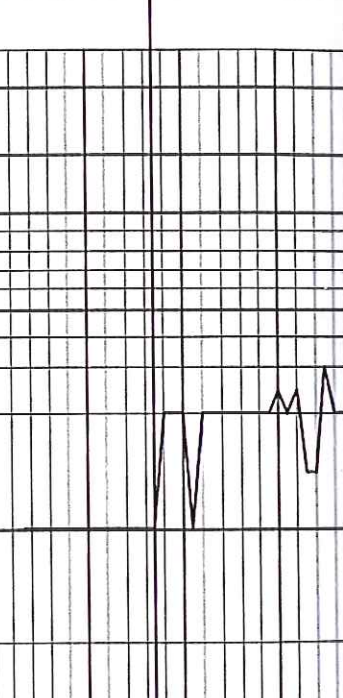


REMARKS Due to the results of DST #2, it was decided to set production casing to further test the well.

Respectfully Submitted,

Tim Priest
 Petroleum Geologist

API #15-109-21042-00-00

LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	SAMPLE DESCRIPTION	REMARKS
 Anhydrite  Sandstone  Limestone  Shale  Carb Sh  Cherty LS  Chert  Dolomite	2300			Anhydrite 2297(+536)
				Base/ Anhydrite

Base/ Anhydrite
2318(+515)

Ls crm-gry, fn xtl, dnse

Sh blk, carb

Sh red-gry, silty, w/clear fn gm
SS

Ls crm-gry, fn xtl, dnse

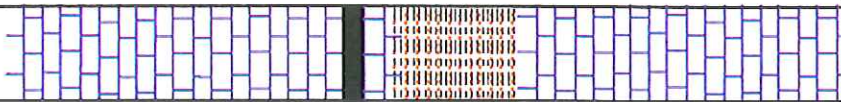
Ls crm-lt gry, fn xtl, fos, chky,
f int xtl-pp por, NS

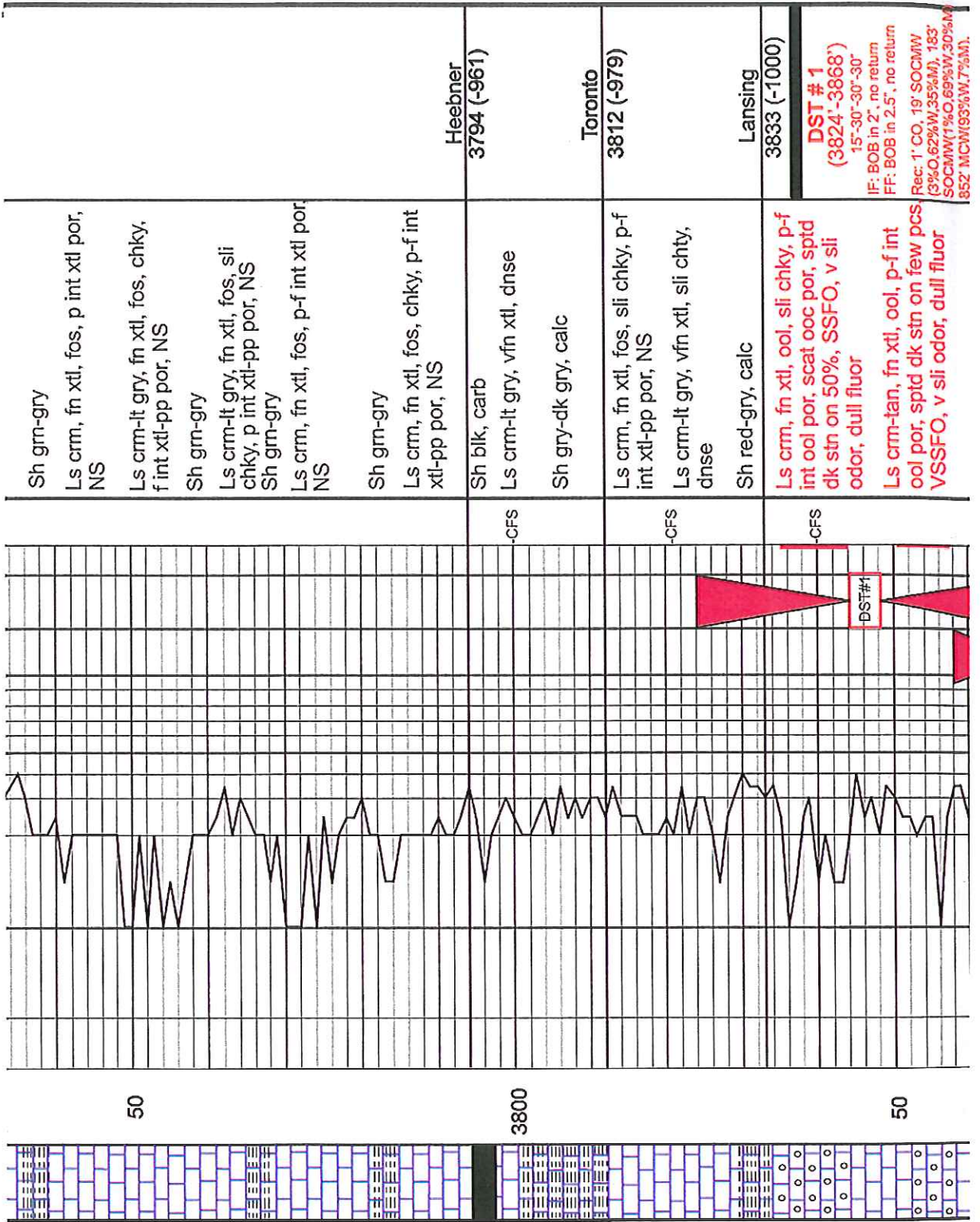
Ls crm-gry, fn xtl, dnse

Ls crm, fn xtl, fos, p int xtl por,
NS

50

3700





Heebner
3794 (-961)

Toronto
3812 (-979)

Lansing
3833 (-1000)

DST #1
(3824'-3868')
15'-30"-30"-30"
IF: BOB in 2', no return
FF: BOB in 2.5', no return
Rec: 1' CO, 19' SOCMW
(3%O,62%W,35%M), 183'
SOCMW(1%O,69%W,30%M)
852' MCW(93%W,7%M).

Sh grm-gry
Ls crm, fn xtl, fos, p int xtl por, NS

Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS
Sh grm-gry
Ls crm-lt gry, fn xtl, fos, sli chky, p int xtl-pp por, NS
Sh grm-gry
Ls crm, fn xtl, fos, p-f int xtl por, NS

Sh grm-gry
Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS

Sh blk, carb
Ls crm-lt gry, vfn xtl, dnse
Sh gry-dk gry, calc

Ls crm, fn xtl, fos, sli chky, p-f int xtl-pp por, NS
Ls crm-lt gry, vfn xtl, sli chty, dnse
Sh red-gry, calc

Ls crm, fn xtl, ool, sli chky, p-f int ool por, scat ooc por, sptd dk stn on 50%, SSFO, v sli odor, dull fluor
Ls crm-tan, fn xtl, ool, p-f int ool por, sptd dk stn on few pcs VSSFO, v sli odor, dull fluor

50

3800

50

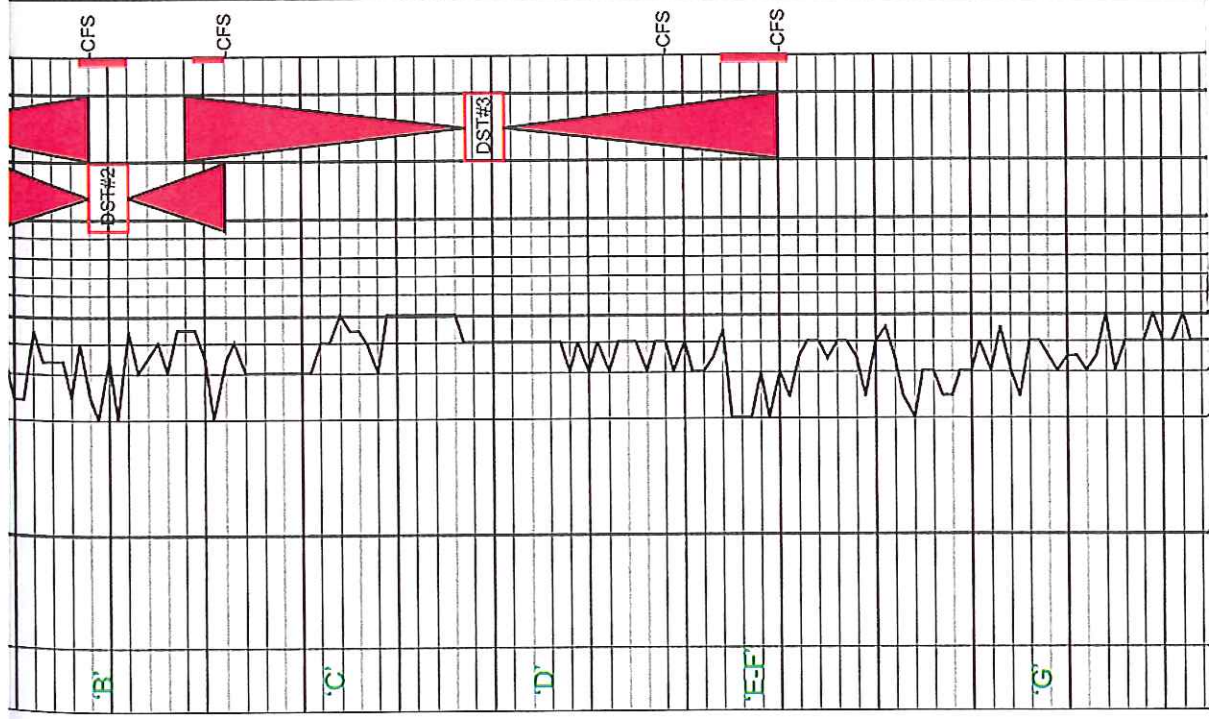
DST#1

1055' Total Fluid
 Fps: 48-236#/249-496#
 SIPs: 1150#/1122#
 HSPs: 1841#/1736#
 BHT: 115 deg F
 Chlor: 71,000ppm

DST # 2
(3858'-3882')
 15'-30'-30'-60"
 IF: BOB in 3", no return
 FF: BOB in 4", surface blow
 Rec: 101' GO(15%G,85%O)
 183' GO(30%G,70%O), 71'
 MCGO(30%G,66%O,4%M),
 111' GWOCM(15%G,10%O,
 30%W,45%M), 244' MCW
 (88%W,12%M), Total 710'
 Fps: 35-169#/177-339#
 SIPs: 1166#/1162#
 HSPs: 1865#/1807#
 BHT: 116 deg F
 Grav: 25
 Chlor: 48,000ppm

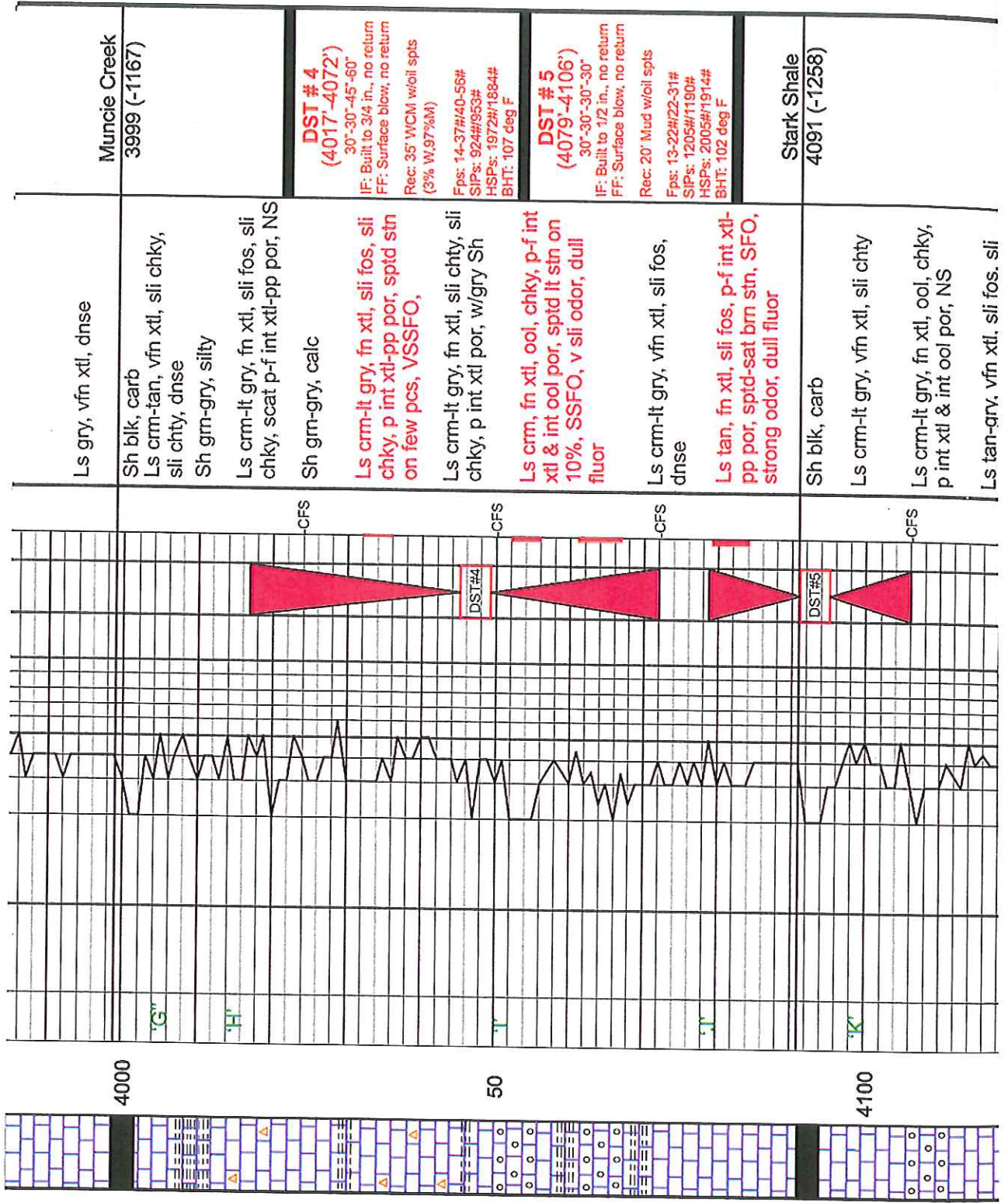
DST # 3
(3878'-3940')
 30'-30'-45'-60"
 IF: BOB in 23", no return
 FF: Built to 6 1/2in, no return
 Rec: 20' GO(5%G,95%O),
 56' GOCMW(3%G,4%O,53%
 W,40%M), 61' SOCMW(1%O,
 77%W,22%M), 122' SOCM
 W(2%O,82%W,16%M), 120'
 SOCMW(1%O,95%W,4%M)
 Total Fluid: 379'
 Fps: 19-116#/119-185#
 SIPs: 1185#/1179#
 HSPs: 1874#/1765#
 BHT: 113 deg F
 Grav: 26
 Chlor: 45,000ppm

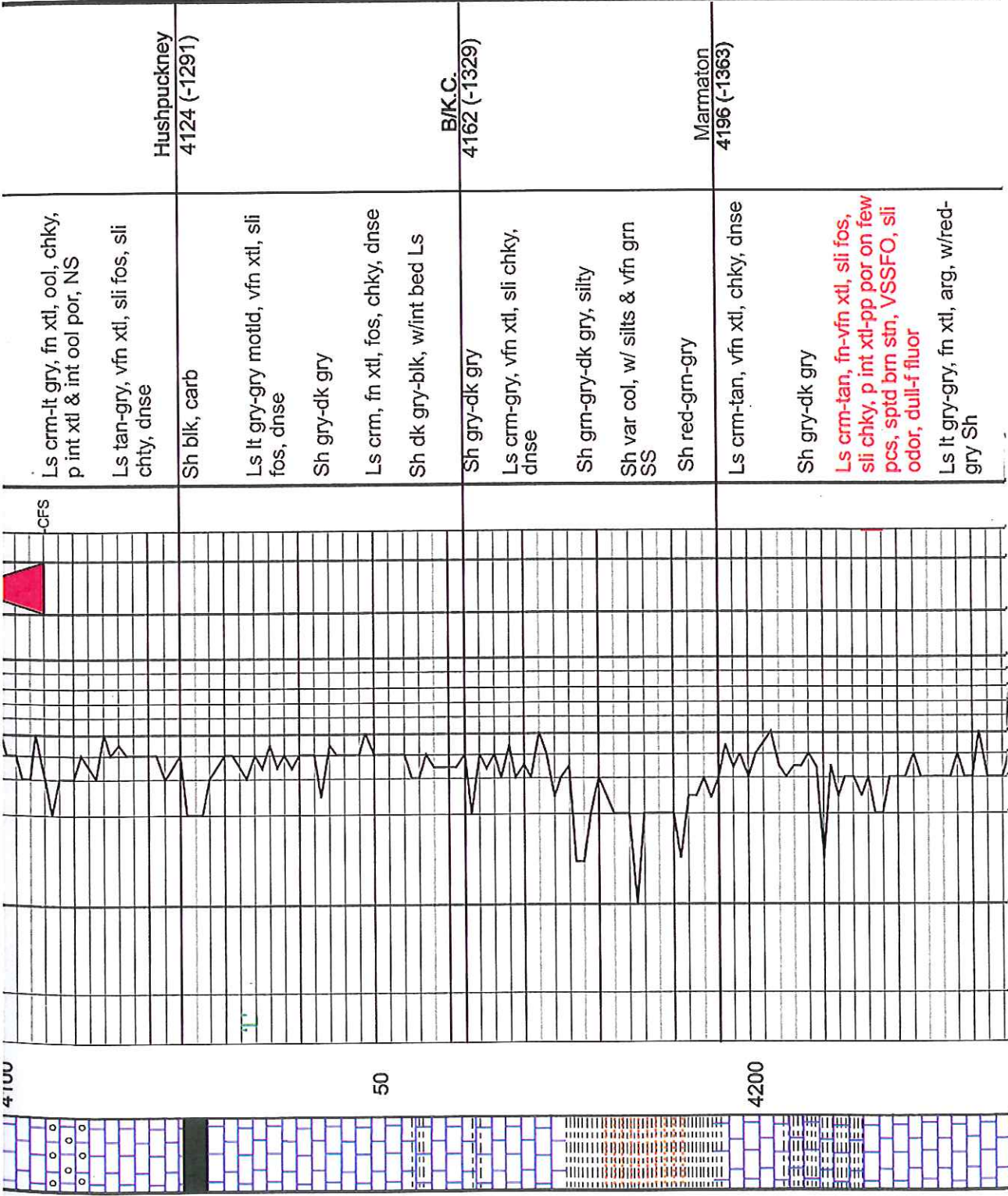
Sh red-gry, calc
 Ls crm, fn xtl, fn ool, f int ool &
 pp-vug por, spdt-sat dk stn,
 SFO, f odor, dull fluor
 Ls crm-lt gry, fn xtl, sli chky,
 scat p-f pp-vug por, spdt stn,
 SSFO, sli odor, dull-f fluor
 Sh red-gry
 Ls crm-lt gry, vfn xtl, sli chky,
 dnse
 Ls lt gry, vfn xtl, dnse
 Ls crm-lt gry, fn xtl, sli chky, sli
 fos, scat p int xtl-pp por, NS
 Sh grn-gry
 Ls crm-lt gry, fn xtl, fos-sli ool,
 sli chky, f int xtl & pp-vug por,
 spdt-sat stn, SFO, sli odor,
 dull-f fluor
 Sh gry-dk gry
 Ls crm-lt gry, fn xtl, sli ool, p-f
 int xtl & ooc por, NS
 Ls crm-lt gry, vfn xtl, sli chky,
 dnse
 Ls crm-lt gry, vfn xtl, arg in prt



3900

50





Ls crm-lt gry, fn xtl, ool, chky, p int xtl & int ool por, NS

Hushpuckney
4124 (-1291)

Ls tan-gry, vfn xtl, sli fos, sli chty, dnse

Sh blk, carb

Ls lt gry-gry motld, vfn xtl, sli fos, dnse

Sh gry-dk gry

Ls crm, fn xtl, fos, chky, dnse

Sh dk gry-blk, w/int bed Ls

B/K.C.
4162 (-1329)

Sh gry-dk gry

Ls crm-gry, vfn xtl, sli chky, dnse

Sh grn-gry-dk gry, silty

Sh var col, w/ silts & vfn grn SS

Sh red-grn-gry

Marmaton
4196 (-1363)

Ls crm-tan, vfn xtl, chky, dnse

Sh gry-dk gry

Ls crm-tan, fn-vfn xtl, sli fos, sli chky, p int xtl-pp por on few pcs, sptd brn strn, VSSFO, sli odor, dull-f fluor

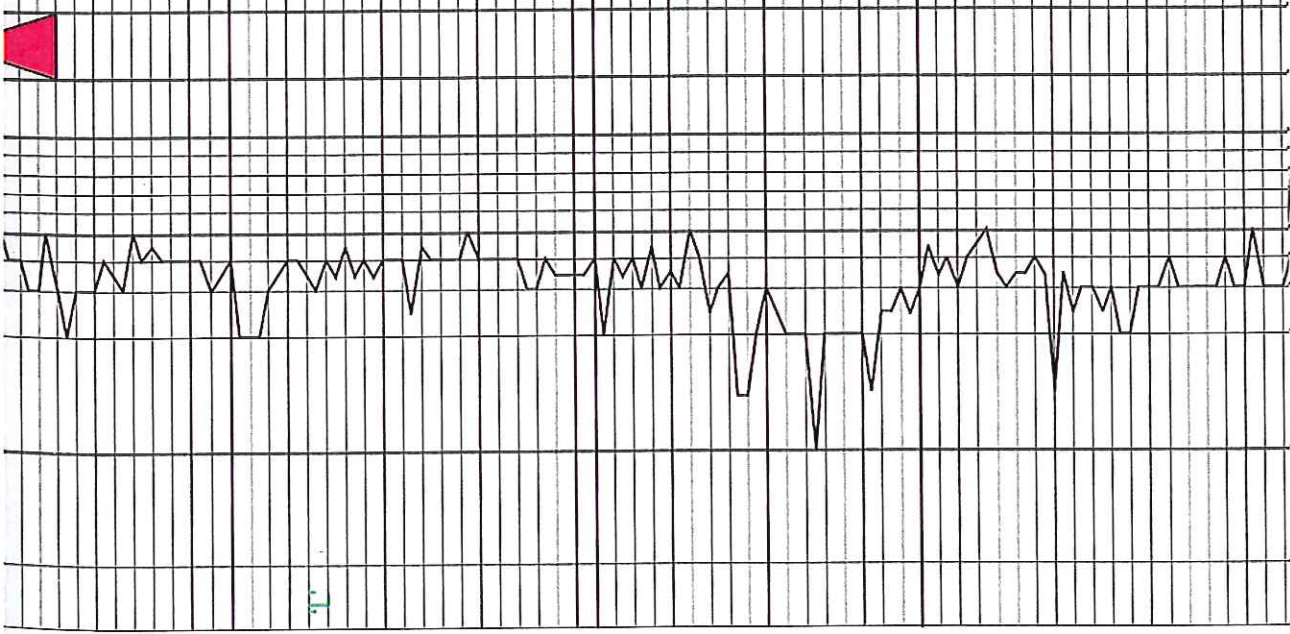
Ls lt gry-gry, fn xtl, arg, w/red-gry Sh

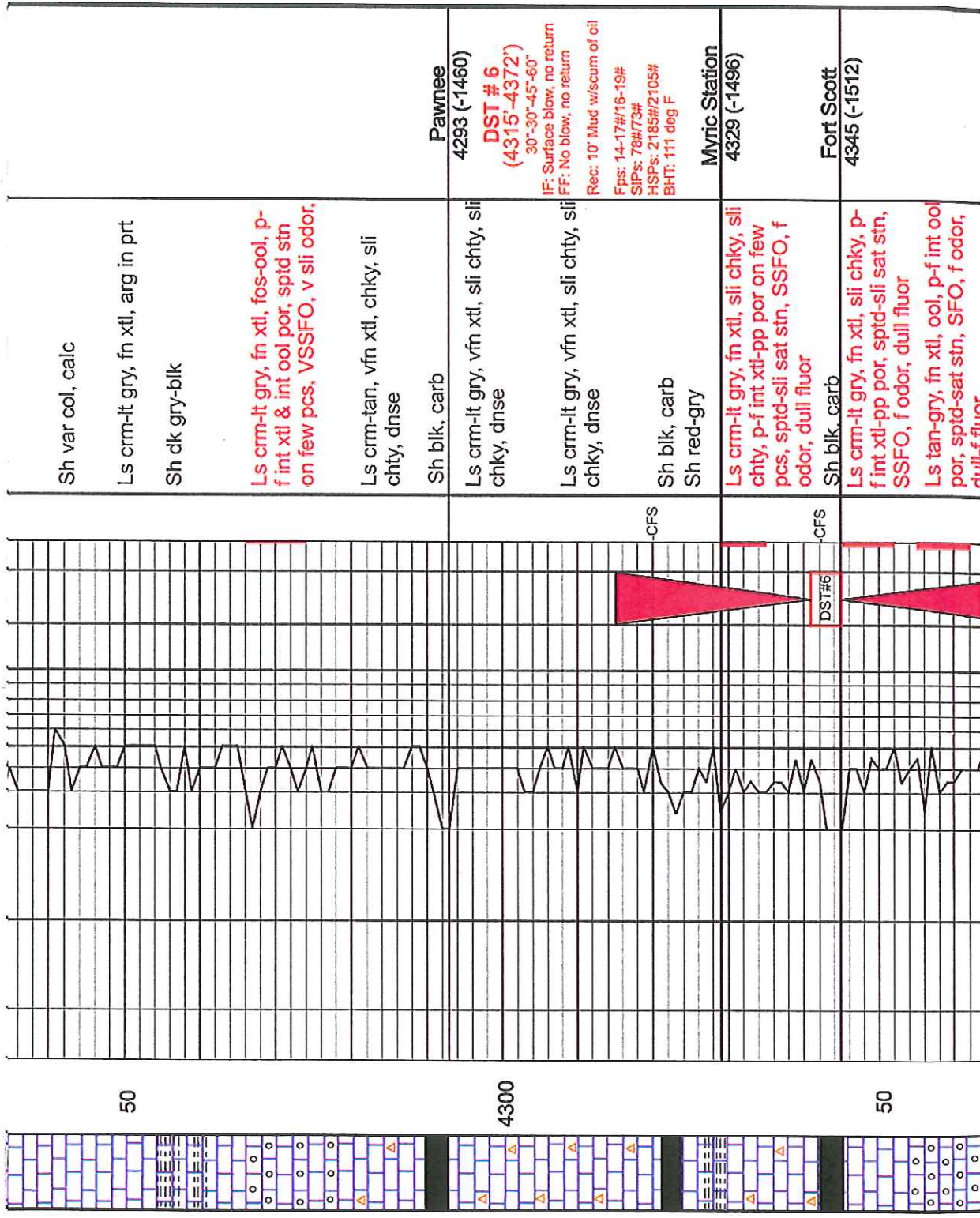
4100

50

4200

o o o o o o o o





Sh var col, calc

Ls crm-lt gry, fn xtl, arg in prt

Sh dk gry-blk

Ls crm-lt gry, fn xtl, fos-ool, p-f int xtl & int ool por, sptd str on few pcs, VSSFO, v sli odor,

Ls crm-tan, vfn xtl, chky, sli chty, dnse

Sh blk, carb

Ls crm-lt gry, vfn xtl, sli chty, sli chky, dnse

Ls crm-lt gry, vfn xtl, sli chty, sli chky, dnse

Sh blk, carb

Sh red-gry

Ls crm-lt gry, fn xtl, sli chky, sli chty, p-f int xtl-pp por on few pcs, sptd-sli sat str, SSFO, f odor, dull fluor

Sh blk, carb

Ls crm-lt gry, fn xtl, sli chky, p-f int xtl-pp por, sptd-sli sat str, SSFO, f odor, dull fluor

Ls tan-gry, fn xtl, ool, p-f int ool por, sptd-sat str, SFO, f odor, dull fluor

Pawnee
4293 (-1460)

DST # 6
(4315'-4372')
30'-30"-45"-60"

IF: Surface blow, no return
FF: No blow, no return

Rec: 10' Mud w/sum of oil

Fps: 14-17#16-19#

SIPs: 76#173#

HSPs: 2185#2105#

BHT: 111 deg F

Myric Station
4329 (-1496)

Fort Scott
4345 (-1512)

50

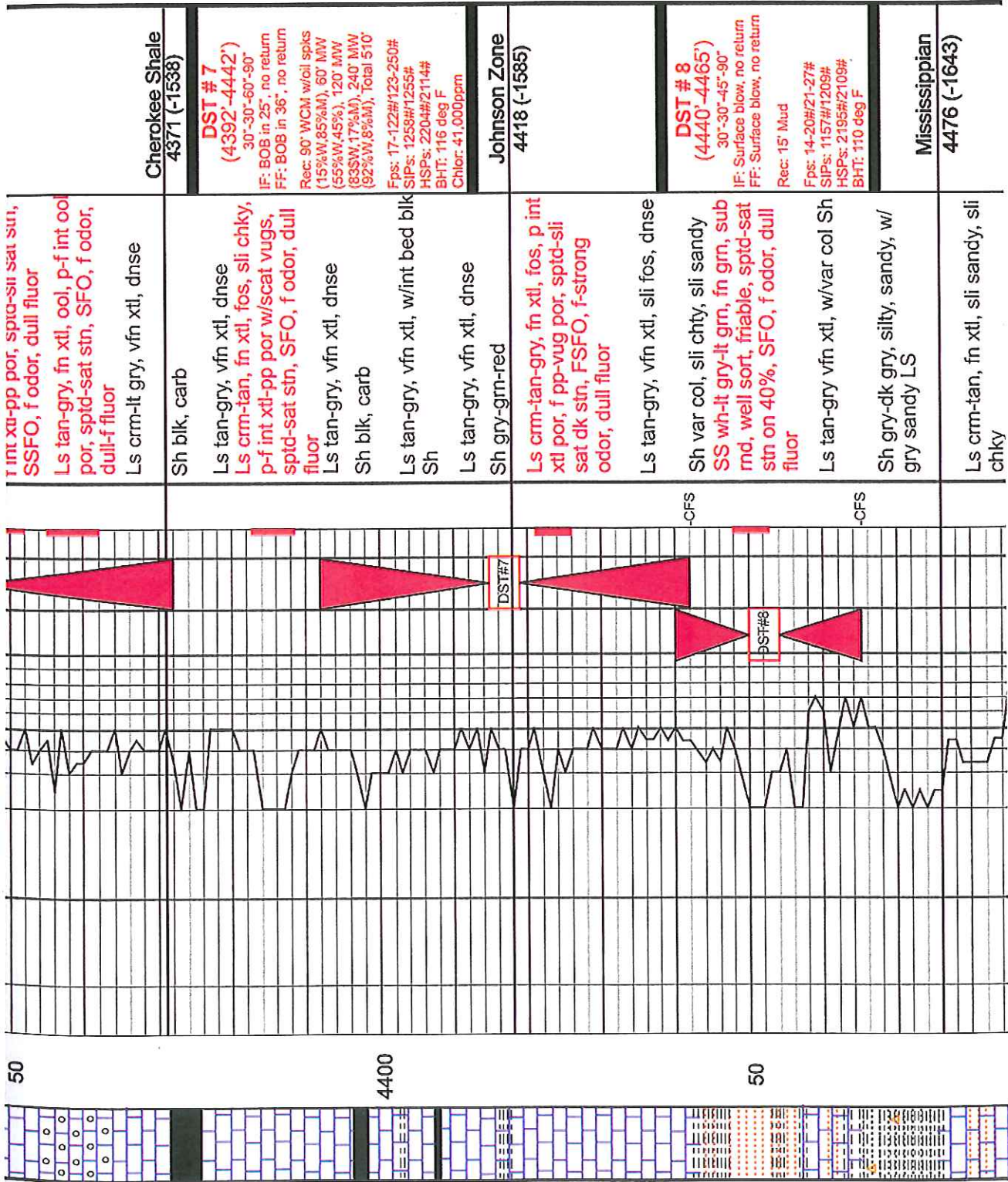
4300

50

-CFS

-CFS

DST #6



Cherokee Shale
4371 (-1538)

DST # 7
(4392'-4442')
30'-30"-60"-90"
IF: BOB in 25', no return
FF: BOB in 36', no return
Rec: 90' WCM w/oil spks
(15%W,85%M), 60' MW
(55%W,45%), 120' MW
(83%W,17%M), 240' MW
(92%W,8%M), Total 510'
Fps: 17-122#/123-250#
SIPs: 1255#/1255#
HSPs: 2204#/2114#
BHT: 116 deg F
Chlor: 41,000ppm

Johnson Zone
4418 (-1585)

DST # 8
(4440'-4465')
30'-30"-45"-90"
IF: Surface blow, no return
FF: Surface blow, no return
Rec: 15' Mud
Fps: 14-20#/21-27#
SIPs: 1157#/1209#
HSPs: 2195#/2109#
BHT: 110 deg F

Mississippian
4476 (-1643)

Int XU-pp por, sptd-sli sat stn,
SSFO, f odor, dull fluor
Ls tan-gry, fn xtl, ool, p-f int ool
por, sptd-sat stn, SFO, f odor,
dull-f fluor
Ls crm-lt gry, vfn xtl, dnse

Sh blk, carb
Ls tan-gry, vfn xtl, dnse
Ls crm-tan, fn xtl, fos, sli chky,
p-f int xtl-pp por w/scat vugs,
sptd-sat stn, SFO, f odor, dull
fluor
Ls tan-gry, vfn xtl, dnse
Sh blk, carb

Ls tan-gry, vfn xtl, w/int bed blk
Sh
Ls tan-gry, vfn xtl, dnse
Sh gry-grn-red

Ls crm-tan-gry, fn xtl, fos, p int
xtl por, f pp-vug por, sptd-sli
sat dk stn, FSFO, f-strong
odor, dull fluor

Ls tan-gry, vfn xtl, sli fos, dnse
Sh var col, sli chty, sli sandy
SS wh-lt gry-lt grn, fn grn, sub
rnd, well sort, friable, sptd-sat
stn on 40%, SFO, f odor, dull
fluor

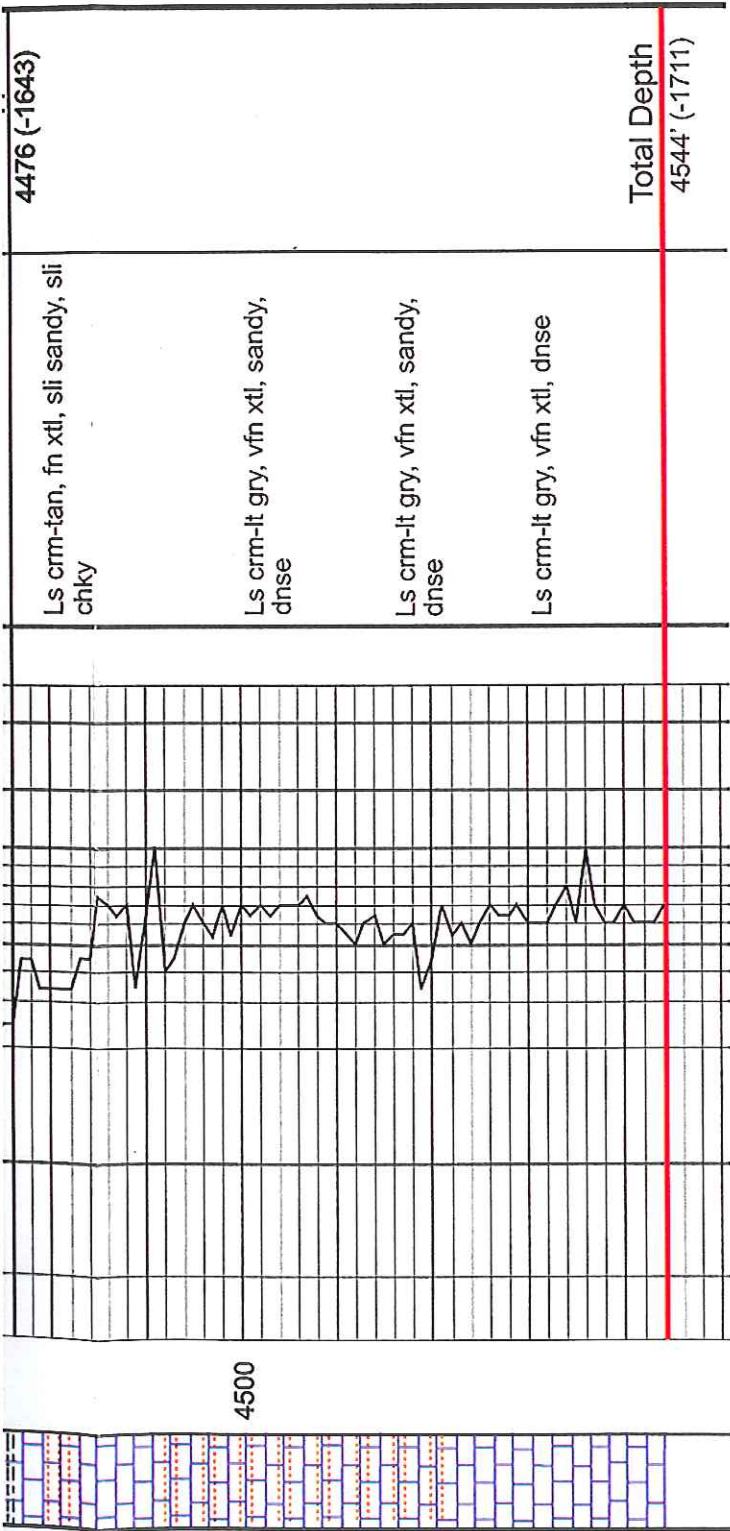
Ls tan-gry vfn xtl, w/var col Sh
Sh gry-dk gry, silty, sandy, w/
gry sandy LS

Ls crm-tan, fn xtl, sli sandy, sli
chky

50

4400

50



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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 25, 2012

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

Re: ACO1
API 15-109-21042-00-00
Ottley 1-9
NE/4 Sec.09-14S-32W
Logan 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,
Donald R. Williams