



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1158364
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: _____



1158364

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
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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 4-16
Doc ID	1158364

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 4-16
Doc ID	1158364

Tops

Name	Top	Datum
Base Anhydrite	2296	+522
Heebner	3774	-956
Lansing	3812	-994
Muncie Creek	3973	-1155
Stark Shale	4058	-1240
Hushpuckney	4095	-1277
Pawnee	4265	-1447
Cherokee Shale	4346	-1528
Johnson	4388	-1570
Mississippian	4449	-1631



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 137597
Invoice Date: Jul 24, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	60475	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Jul 24, 2013	8/23/13

Quantity	Item	Description	Unit Price	Amount
		Ottley #4-16		
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
188.74	SER	Cubic Feet	2.48	468.07
189.66	SER	Ton Mileage	2.60	493.14
1.00	SER	Surface ✓	1,512.25	1,512.25
22.00	SER	Pump Truck Mileage	7.70	169.40
22.00	SER	Light Vehicle Mileage	4.40	96.80
1.00	EQUIP OPER	Kevin Eddy		
1.00	EQUIP OPER	Mike Scothorn		



INT

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

\$ 1,644.61

ONLY IF PAID ON OR BEFORE
Aug 18, 2013

Subtotal	6,326.36
Sales Tax	274.38
Total Invoice Amount	6,600.74
Payment/Credit Applied	
TOTAL	6,600.74

DW

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 137857

Invoice Date: Aug 5, 2013

Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61235	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 5, 2013	9/4/13

Quantity	Item	Description	Unit Price	Amount
180.00	CEMENT MATERIALS	Ottley #4-16	20.90	3,762.00
900.00	CEMENT MATERIALS	ASC	0.98	882.00
19.00	CEMENT MATERIALS	Gilsonite	26.35	500.65
135.00	CEMENT MATERIALS	Salt	10.30	1,390.50
12.00	CEMENT MATERIALS	CD-31	58.70	704.40
233.60	CEMENT SERVICE	WFR-2	2.48	579.33
222.68	CEMENT SERVICE	Cubic Feet	2.60	578.98
1.00	CEMENT SERVICE	Ton Mileage	2,765.75	2,765.75
22.00	CEMENT SERVICE	Production ✓	7.70	169.40
1.00	CEMENT SERVICE	Pump Truck Mileage	275.00	275.00
22.00	CEMENT SERVICE	Manifold Rental	4.40	96.80
1.00	CEMENT SERVICE	Light Vehicle Mileage		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

INT

10502-5



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

\$ 3,043.25

ONLY IF PAID ON OR BEFORE Aug 30, 2013

Subtotal	11,704.81
Sales Tax	553.83
Total Invoice Amount	12,258.64
Payment/Credit Applied	
TOTAL	12,258.64

DW

ALLIED OIL & GAS SERVICES, LLC 061235

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dakley KJ

DATE <u>8/5/13</u>	SEC. <u>16</u>	TWP <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30</u>	JOB FINISH <u>11:30</u>
LEASE <u>O'Hley</u>		WELL # <u>4-16</u>		LOCATION <u>Dakley 205 LW 12 S 1W N. Endo</u>		COUNTY <u>Cog</u>	STATE <u>KI</u>
OLD OR NEW (Circle one)							

CONTRACTOR HO 2 OWNER Same

TYPE OF JOB <u>Production</u>	CEMENT
HOLE SIZE <u>7 7/8</u> T.D.	AMOUNT ORDERED <u>180 ASC 1070 Salt</u>
CASING SIZE <u>5 1/2</u> DEPTH <u>4529</u>	<u>200 gal 5" Gilsonite 3/4-1970 CD 31</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL <u>part collar</u> DEPTH <u>2329</u>	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT <u>47.41</u>	
CEMENT LEFT IN CSG.	
PERFS.	

DISPLACEMENT <u>108 BBL</u>	COMMON _____ @ _____
EQUIPMENT	POZMIX _____ @ _____
	GEL _____ @ _____
	CHLORIDE _____ @ _____
	ASC <u>180 Salt</u> @ <u>20.20</u> <u>3762.40</u>

PUMP TRUCK CEMENTER <u>Alan Ryan</u>	Gilsonite <u>900lb</u> @ <u>1.98</u> <u>882.00</u>
# <u>422</u> HELPER <u>W. Gary McElshy</u>	Salt <u>195lb</u> @ <u>26.25</u> <u>502.65</u>
BULK TRUCK	CD 31 <u>135lb</u> @ <u>10.30</u> <u>1390.50</u>
# <u>396</u> DRIVER <u>Chris Helpingsone</u>	WPR 12 <u>12 BBL</u> @ <u>18.25</u> <u>204.40</u>
BULK TRUCK	
# DRIVER	

HANDLING <u>233.6 cf</u> @ <u>2.40</u> <u>579.33</u>	MILBAGE <u>200 700/mile 10.122 700</u> <u>578.98</u>
	TOTAL <u>83.97</u>

REMARKS:
On job complete minifloat max 305K AH max
150 3R ASC from 5lb. with tanky Displace plug
#1 108 BBL 4.0 in 1080 PPT GET
land plug @ 1900 PPT
Float held
Thank you Alan, Gary, Chris

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

SERVICE

DEPTH OF JOB <u>4529'</u>	PUMP TRUCK CHARGE <u>2265.75</u>
EXTRA FOOTAGE @ _____	MILEAGE <u>22 miles</u> @ <u>7.70</u> <u>169.40</u>
MANIFOLD @ _____	MANIFOLD @ _____ <u>225.00</u>
<u>Gravel etc 22 miles</u> @ <u>4.40</u> <u>96.80</u>	

TOTAL 3306.95

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

PLUG & FLOAT EQUIPMENT

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

TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES 11,704.81
DISCOUNT 3,043.25 IF PAID IN 30 DAYS
8,661.56 Net.



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 137998
Invoice Date: Aug 16, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	60216	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Aug 16, 2013	9/15/13

Quantity	Item	Description	Unit Price	Amount
280.00	CEMENT MATERIALS	Ottley #4-16	16.50	4,620.00
70.00	CEMENT MATERIALS	ALC1A	2.97	207.90
8.00	CEMENT MATERIALS	Flo Seal	35.00	280.00
647.97	CEMENT SERVICE	Cottonseed Hulls	2.48	1,606.97
581.01	CEMENT SERVICE	Cubic Feet	2.60	1,510.65
1.00	CEMENT SERVICE	Ton Mileage	2,483.59	2,483.59
22.00	CEMENT SERVICE	Port Collar ✓	7.70	169.40
22.00	CEMENT SERVICE	Pump Truck Mileage	4.40	96.80
1.00	CEMENT SUPERVISOR	Light Vehicle Mileage		
1.00	EQUIPMENT OPERATOR	LaRene Wentz		
1.00	OPERATOR ASSISTANT	Paul Beaver		
		Kevin Ryan		

INT

10502-5



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

\$ 2,853.58

ONLY IF PAID ON OR BEFORE
Sep 10, 2013

Subtotal	10,975.31
Sales Tax	390.75
Total Invoice Amount	11,366.06
Payment/Credit Applied	
TOTAL	11,366.06

DW

ALLIED OIL & GAS SERVICES, LLC 060216

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley, TX

DATE <u>8-16-13</u>	SEC. <u>16</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:00 am</u>	JOB START <u>11:08 am</u>	JOB FINISH <u>12:00 pm</u>
LEASE <u>0124</u>	WELL # <u>4-16</u>	LOCATION <u>Oakley 203 10th St, 101.</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>NE info</u>			

CONTRACTOR <u>Wild West</u>	OWNER <u>same</u>
TYPE OF JOB <u>Port collar</u>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <u>5 7/8</u> DEPTH <u>4329'</u>	AMOUNT ORDERED <u>590 sks 4.9/35 8% gel</u>
TUBING SIZE _____ DEPTH _____	<u>4 1/2" flo- seal</u>
DRILL PIPE _____ DEPTH _____	<u>1200# Cottonseed Halls</u>
TOOL <u>Port Collar</u> DEPTH <u>2329'</u>	COMMON _____ @ _____
PRES. MAX _____ MINIMUM _____	POZMIX _____ @ _____
MEAS. LINE _____ SHOE JOINT _____	GEL _____ @ _____
CEMENT LEFT IN CSG. _____	CHLORIDE _____ @ _____
PERFS. _____	ASC _____ @ _____
DISPLACEMENT <u>820 bbl</u>	<u>ALCIA 280 sks @ 16.50 4620.00</u>

PUMP TRUCK # <u>423/281</u>	CEMENTER <u>Lakene G. Weate</u>	Flo seal <u>70 sks @ 2.97 207.90</u>	
BULK TRUCK # <u>396/306</u>	HELPER <u>Paul Beaver</u>	<u>Cottonseed Halls 8 sks @ 35.00 280.00</u>	
BULK TRUCK # <u>347</u>	DRIVER <u>Kevin Ryan</u>		
	DRIVER <u>Alex Ochene</u>		

REMARKS:
Pressure test Port Collar 1200#
Open Port Collar Pump 80 bbl mud.
Mix 280 sks cement w/ 400# Halls.
Cement circulated 30 sks to pit.
Close Port Collar & test to 1200#.
Remain 4 joints. Back out.

Thank you.

HANDLING <u>647.97</u>	TOTAL <u>1510.65</u>
MILEAGE <u>26.6 km x 22 x 2.60 1532.52</u>	<u>8225.52</u>

CHARGE TO: Shakespeare Oil.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB <u>2329'</u>	
PUMP TRUCK CHARGE _____	<u>2483.59</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>14.00</u>	<u>22 @ 7.70 169.40</u>
MANIFOLD _____	@ _____
<u>ALCIA</u>	<u>22 @ 4.90 96.80</u>
TOTAL	<u>2749.29</u>

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT

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

SALES TAX (If Any) _____

TOTAL CHARGES 10975.31

DISCOUNT 2,853.58 IF PAID IN 30 DAYS

8,121.73 Net.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w

202 N Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53029

DST#: 1

ATTN: Tim Priest

Test Start: 2013.07.29 @ 04:15:00

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:12:15

Time Test Ended: 12:48:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III

Unit No: 58

Interval: 3839.00 ft (KB) To 3864.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 3864.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ RunDepth: 52.04 psig @ 3844.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.29

End Date: 2013.07.29

Last Calib.: 2013.07.29

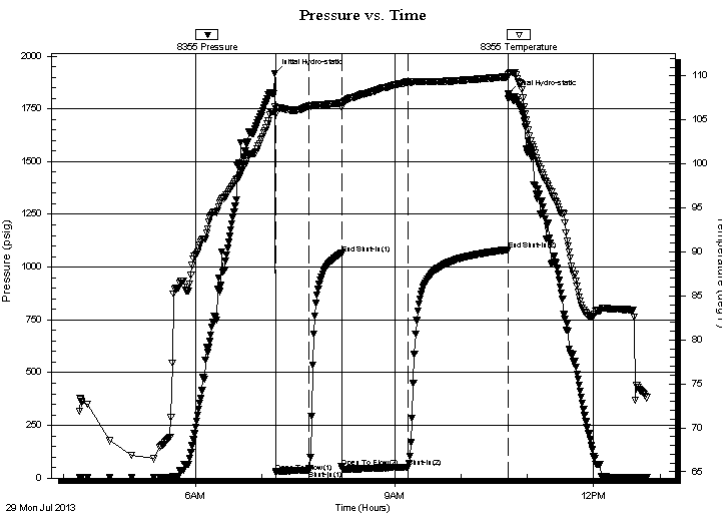
Start Time: 04:15:05

End Time: 12:48:15

Time On Btm: 2013.07.29 @ 07:11:45

Time Off Btm: 2013.07.29 @ 10:43:00

TEST COMMENT: IF: 2 1/4" Blow
IS: No return
FF: Weak surface blow after 18 mins. open-built to 1/4" blow
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1918.20	106.49	Initial Hydro-static
1	28.68	105.68	Open To Flow (1)
31	38.88	106.57	Shut-In(1)
60	1064.12	106.95	End Shut-In(1)
61	53.10	106.46	Open To Flow (2)
120	52.04	109.34	Shut-In(2)
211	1082.56	109.91	End Shut-In(2)
212	1819.41	110.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 15o 85m	0.34

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

16-14s-32w

202 N Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53029

DST#: 1

ATTN: Tim Priest

Test Start: 2013.07.29 @ 04:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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
70.00	OCM 15o 85m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

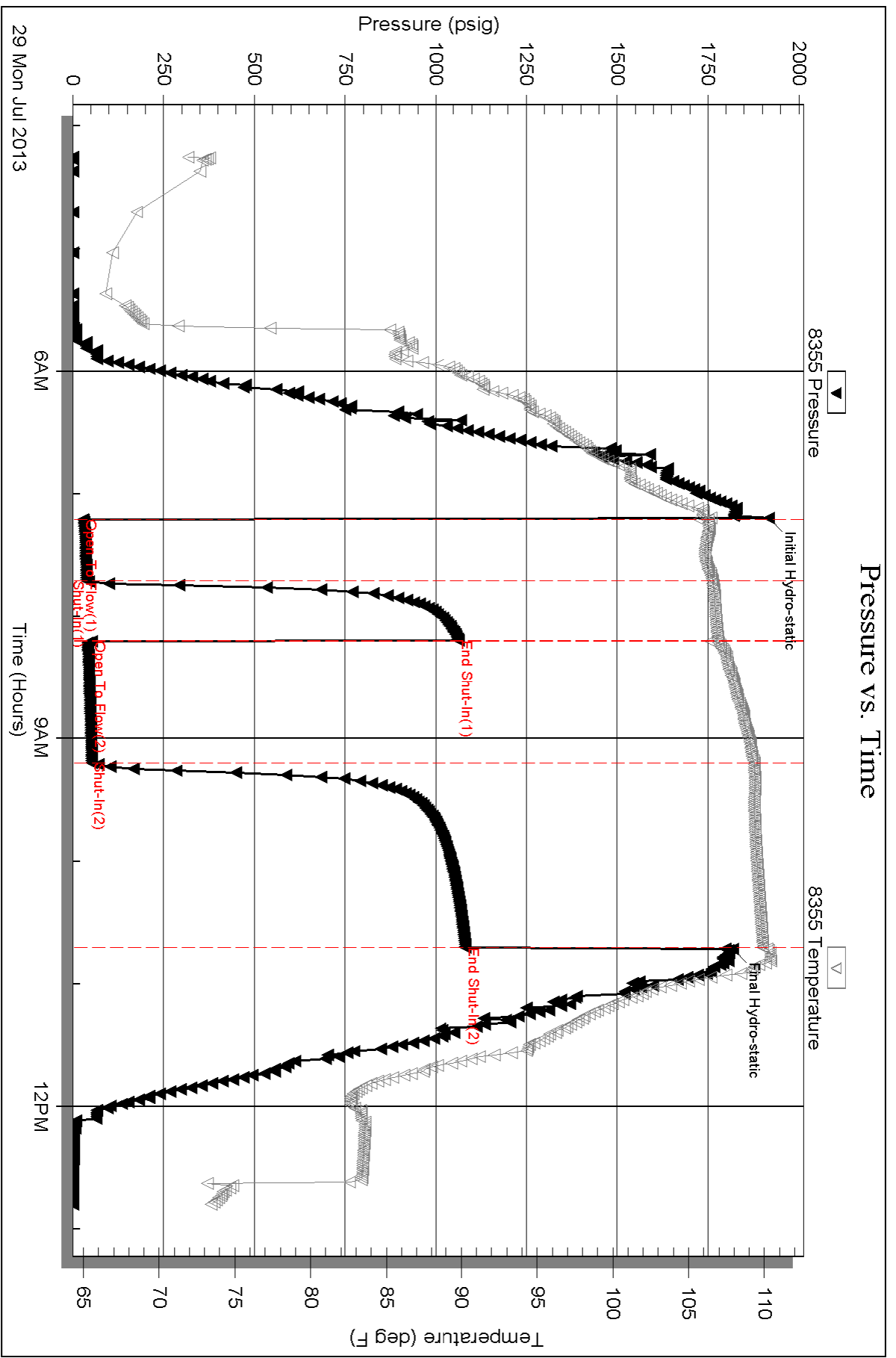
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

ATTN: Tim Priest

Job Ticket: 53030

DST#: 2

Test Start: 2013.07.30 @ 00:11:00

GENERAL INFORMATION:

Formation: **Lansing "D-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:36:30

Time Test Ended: 08:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 58

Interval: 3886.00 ft (KB) To 3920.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 3920.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ RunDepth: 291.05 psig @ 3891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.30

End Date:

2013.07.30

Last Calib.: 2013.07.30

Start Time: 00:11:05

End Time:

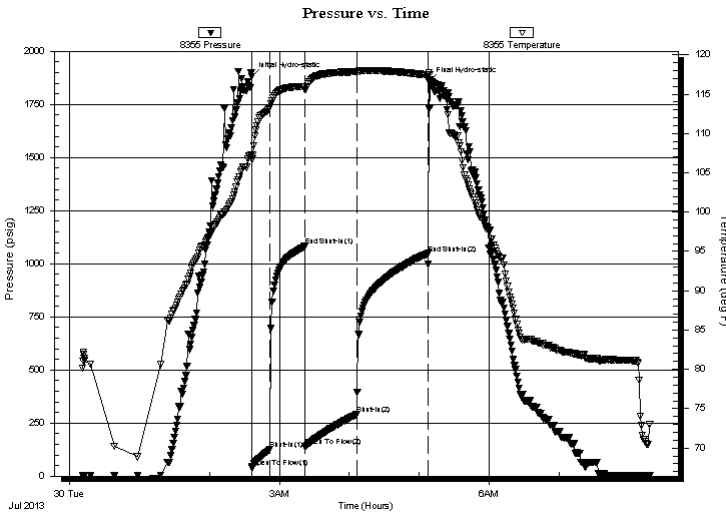
08:17:59

Time On Btm: 2013.07.30 @ 02:36:15

Time Off Btm: 2013.07.30 @ 05:08:15

TEST COMMENT: IF: BOB in 3 1/2 mins.
IS: Bled off in 3 1/2 mins.-4 in. of blow back
FF: BOB in 3 mins.
FS: Bled off in 2 mins.-BOB in 58 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.81	107.30	Initial Hydro-static
1	40.52	106.73	Open To Flow (1)
16	125.91	113.24	Shut-In(1)
46	1082.18	115.94	End Shut-In(1)
46	139.72	115.61	Open To Flow (2)
91	291.05	117.84	Shut-In(2)
152	1048.37	117.41	End Shut-In(2)
152	1855.96	117.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Go 20g 80o	0.60
660.00	Go 20g 80o	9.26

* 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

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53030

DST#: 2

ATTN: Tim Priest

Test Start: 2013.07.30 @ 00:11:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Go 20g 80o	0.599
660.00	Go 20g 80o	9.258

Total Length: 780.00 ft Total Volume: 9.857 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

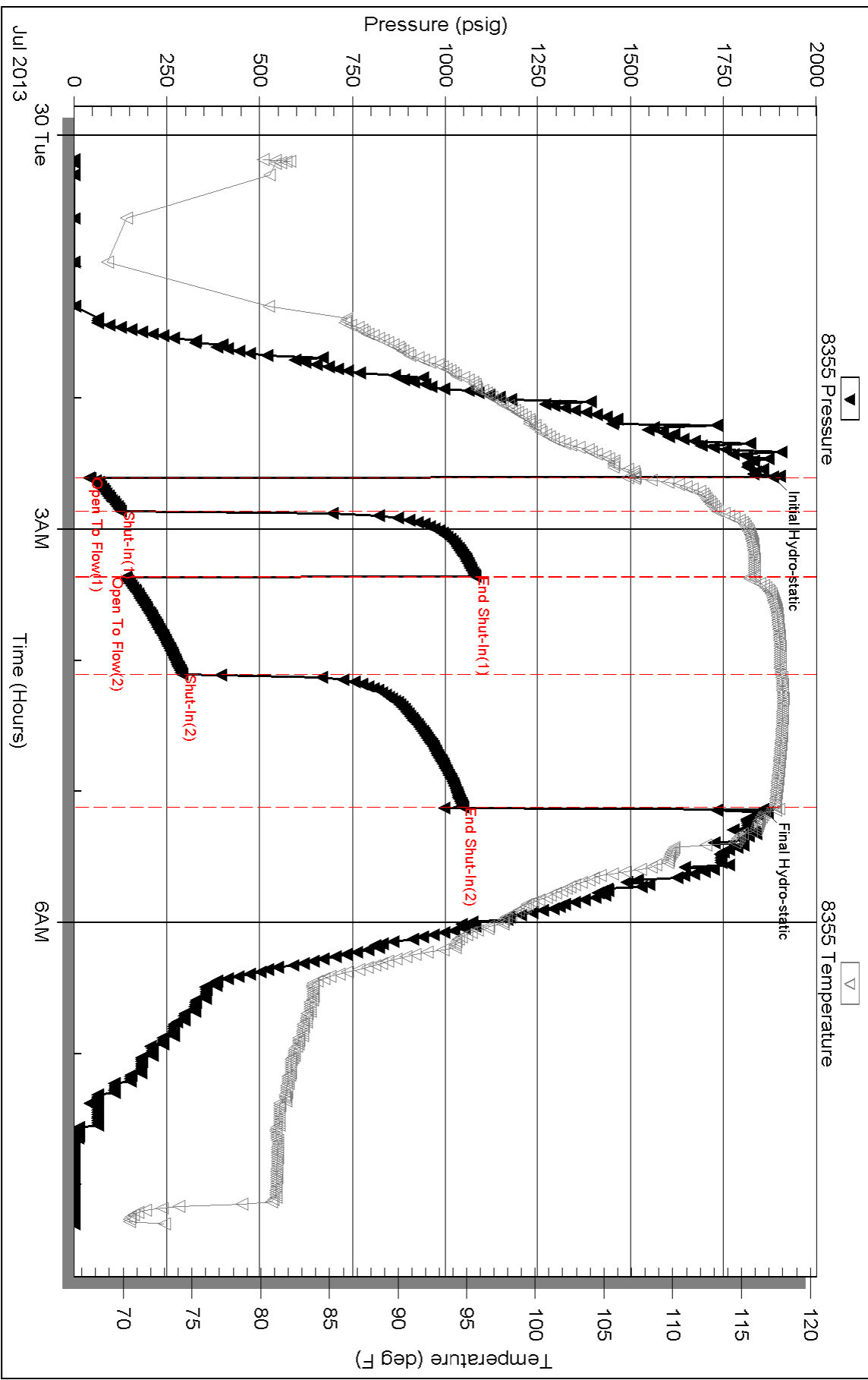
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as a 33@70

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

ATTN: Tim Priest

Job Ticket: 53031

DST#: 3

Test Start: 2013.07.30 @ 23:57:00

GENERAL INFORMATION:

Formation: **Lansing "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:47:30

Time Test Ended: 08:28:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 58

Interval: 4031.00 ft (KB) To 4065.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4065.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ RunDepth: 123.26 psig @ 4036.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.30

End Date:

2013.07.31

Last Calib.:

2013.07.31

Start Time: 23:57:05

End Time:

08:28:44

Time On Btm:

2013.07.31 @ 02:47:15

Time Off Btm:

2013.07.31 @ 06:19:15

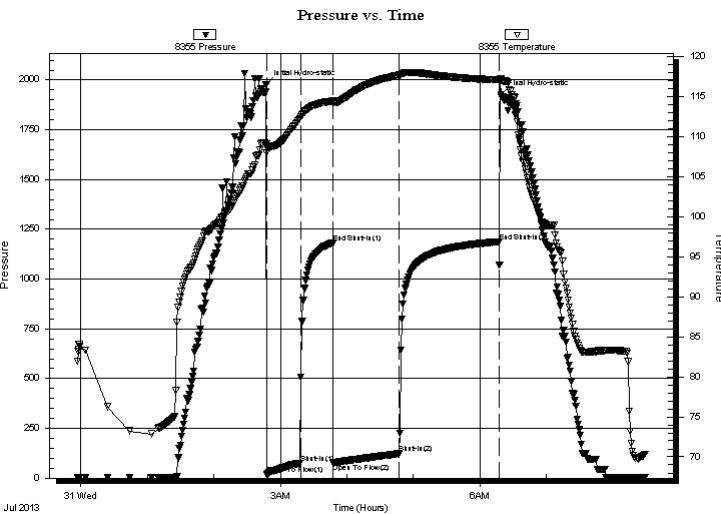
TEST COMMENT:

IF: 6 in. of Blow

IS: Bled off in 2 mins.-Surface blow after 5 mins. open-Died in 10 mins.

FF: 8 1/2 in. of Blow

FS: Bled off in 3 mins-Surface blow after 4 1/2 mins. open-died in 12 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.73	109.07	Initial Hydro-static
1	18.77	108.00	Open To Flow (1)
31	74.90	112.33	Shut-In(1)
61	1179.76	114.44	End Shut-In(1)
61	76.88	114.25	Open To Flow (2)
120	123.26	117.67	Shut-In(2)
211	1187.86	117.08	End Shut-In(2)
212	1927.75	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Mw 35m 65w	2.28

* 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

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53031

DST#: 3

ATTN: Tim Priest

Test Start: 2013.07.30 @ 23:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Mw 35m 65w	2.283

Total Length: 240.00 ft Total Volume: 2.283 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

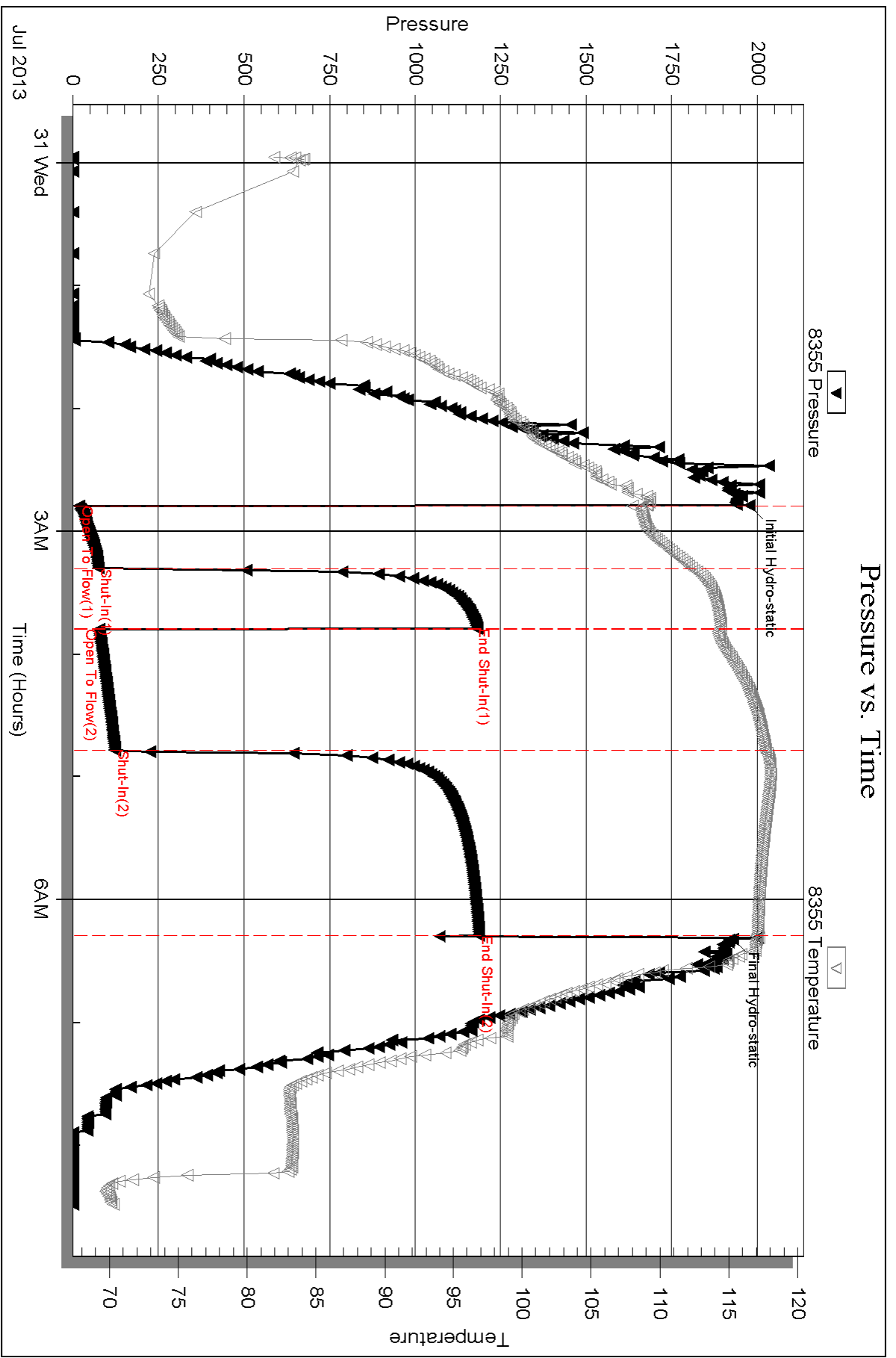
Recovery Comments: RW - .116@70 degrees

Serial #: 8355

Outside Shakespeare Oil Co, Inc

Oilley #4-16

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 53031

Printed: 2013.07.31 @ 10:07:08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

ATTN: Tim Priest

Job Ticket: 53032

DST#: 4

Test Start: 2013.07.31 @ 16:45:00

GENERAL INFORMATION:

Formation: **Lkc "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:49:00

Time Test Ended: 22:31:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 58

Interval: 4061.00 ft (KB) To 4095.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4095.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ Run Depth: 15.51 psig @ 4066.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.31

End Date:

2013.07.31

Last Calib.: 2013.07.31

Start Time: 16:45:05

End Time:

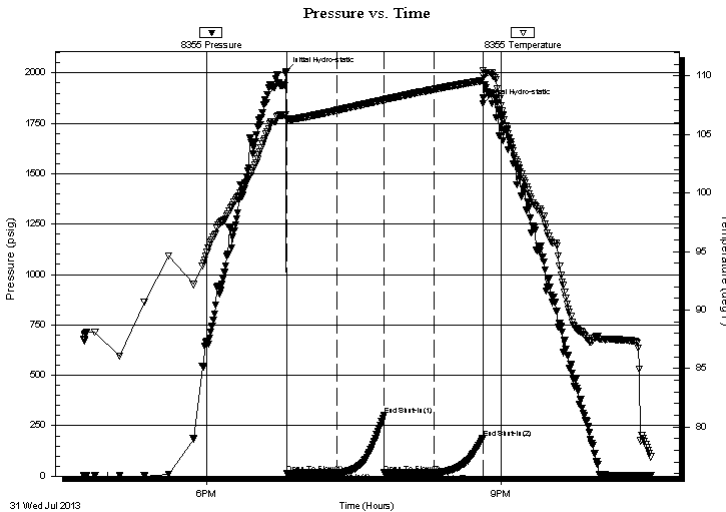
22:31:44

Time On Btm: 2013.07.31 @ 18:48:45

Time Off Btm: 2013.07.31 @ 20:49:00

TEST COMMENT: IF: 1/4 in. Blow
IS: No return
FF: No blow
FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.11	106.69	Initial Hydro-static
1	15.22	106.30	Open To Flow (1)
31	16.37	107.05	Shut-In(1)
60	303.21	107.96	End Shut-In(1)
60	15.97	107.97	Open To Flow (2)
91	15.51	108.85	Shut-In(2)
120	187.71	109.61	End Shut-In(2)
121	1848.93	110.48	Final Hydro-static

Recovery

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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53032

DST#: 4

ATTN: Tim Priest

Test Start: 2013.07.31 @ 16:45:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 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
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

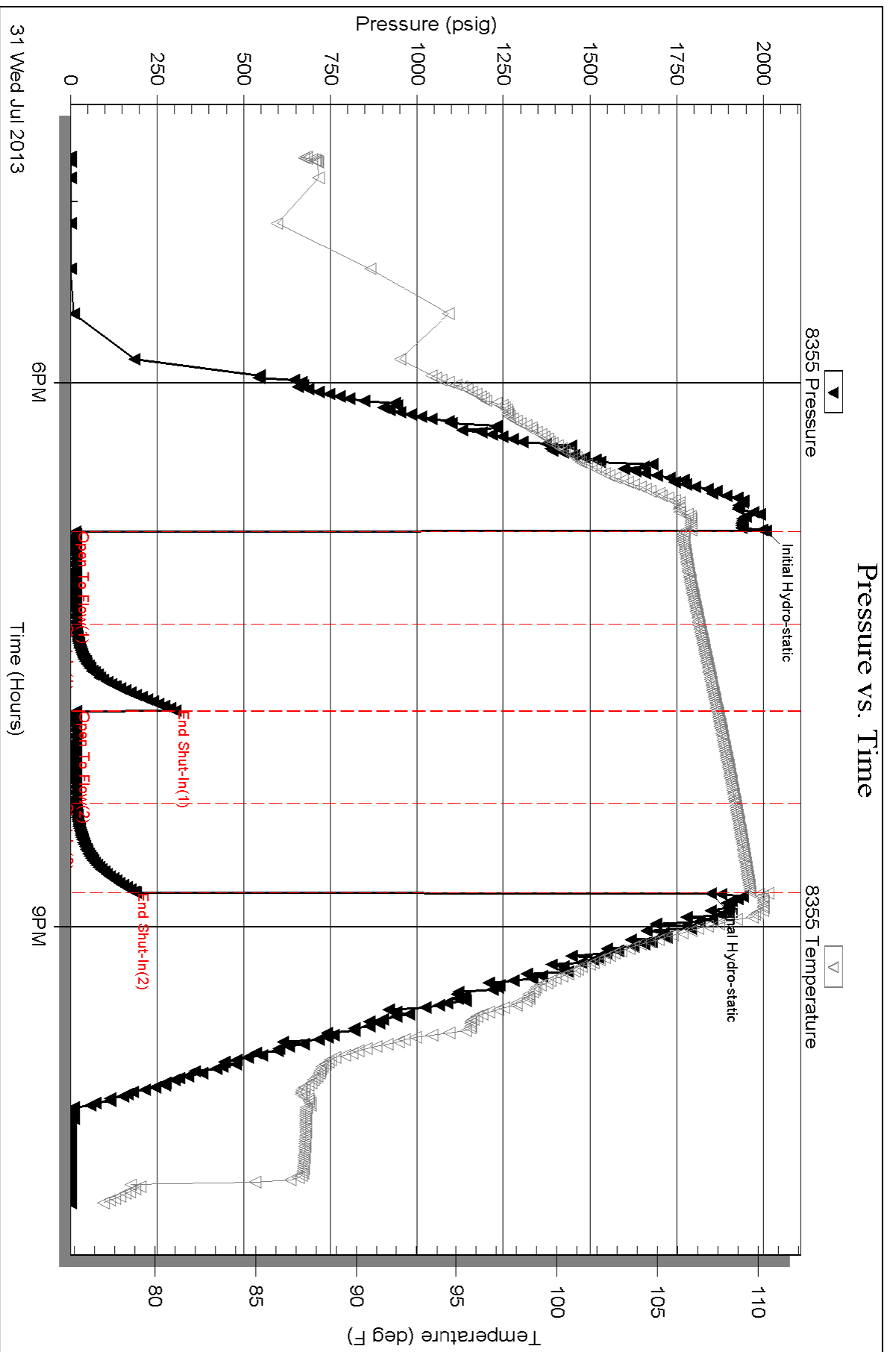
Recovery Comments:

Serial #: 8355

Outside Shakespeare Oil Co, Inc

Oilley #4-16

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

ATTN: Tim Priest

Job Ticket: 53033

DST#: 5

Test Start: 2013.08.01 @ 13:16:00

GENERAL INFORMATION:

Formation: **Lkc "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:30:00

Time Test Ended: 22:54:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 58

Interval: 4091.00 ft (KB) To 4125.00 ft (KB) (TVD)

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2818.00 ft (KB)

2808.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8355

Press @ Run Depth: 623.69 psig @ ft (KB)

Start Date: 2013.08.01

End Date:

2013.08.01

Start Time: 13:16:05

End Time:

22:54:00

Capacity: 8000.00 psig

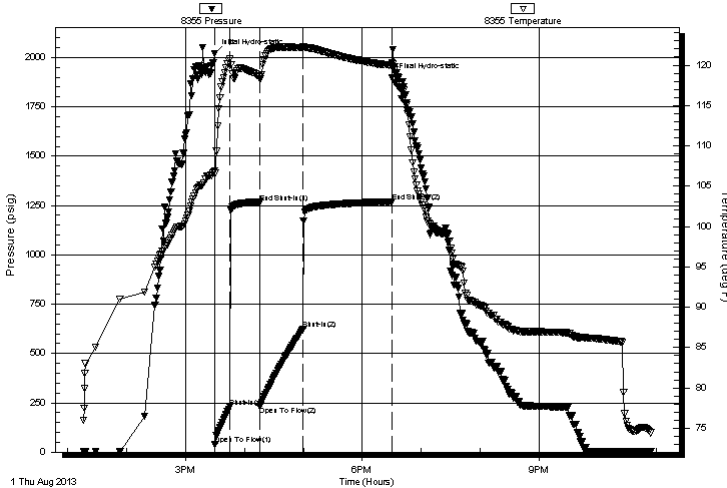
Last Calib.: 2013.08.01

Time On Btm: 2013.08.01 @ 15:29:45

Time Off Btm: 2013.08.01 @ 18:30:15

TEST COMMENT: IF: B.o.b. in 4 mins.
IS: Bled off in 2 mins.-Surface blow after 6 min. into shut-in
FF: B.o.b. in 4 mins
FS: Bled off in 2 mins.-Surface blow after 6 min. into shut-in died in 10 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.06	106.88	Initial Hydro-static
1	39.97	106.60	Open To Flow (1)
16	229.54	120.75	Shut-In(1)
46	1265.51	118.61	End Shut-In(1)
46	231.77	118.32	Open To Flow (2)
90	623.69	122.15	Shut-In(2)
181	1268.75	119.97	End Shut-In(2)
181	1898.59	120.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Wm 45w 55m	0.60
120.00	Gmw 5g 5m 90w	1.68
300.00	Gomw 10g 10o 30m 50w	4.21
240.00	Ogmw 10o 20g 30m 40w	3.37
480.00	Gmo 10g 30m 60o	6.73
5.00	Clean oil	0.07

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

16-14s-32w

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 53033

DST#: 5

ATTN: Tim Priest

Test Start: 2013.08.01 @ 13:16:00

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:

24000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	Wm 45w 55m	0.599
120.00	Gmw 5g 5m 90w	1.683
300.00	Gomw 10g 10o 30m 50w	4.208
240.00	Ogmw 10o 20g 30m 40w	3.367
480.00	Gmo 10g 30m 60o	6.733
5.00	Clean oil	0.070
0.00	70 ft GIP	0.000

Total Length: 1265.00 ft Total Volume: 16.660 bbl

Num Fluid Samples: 0

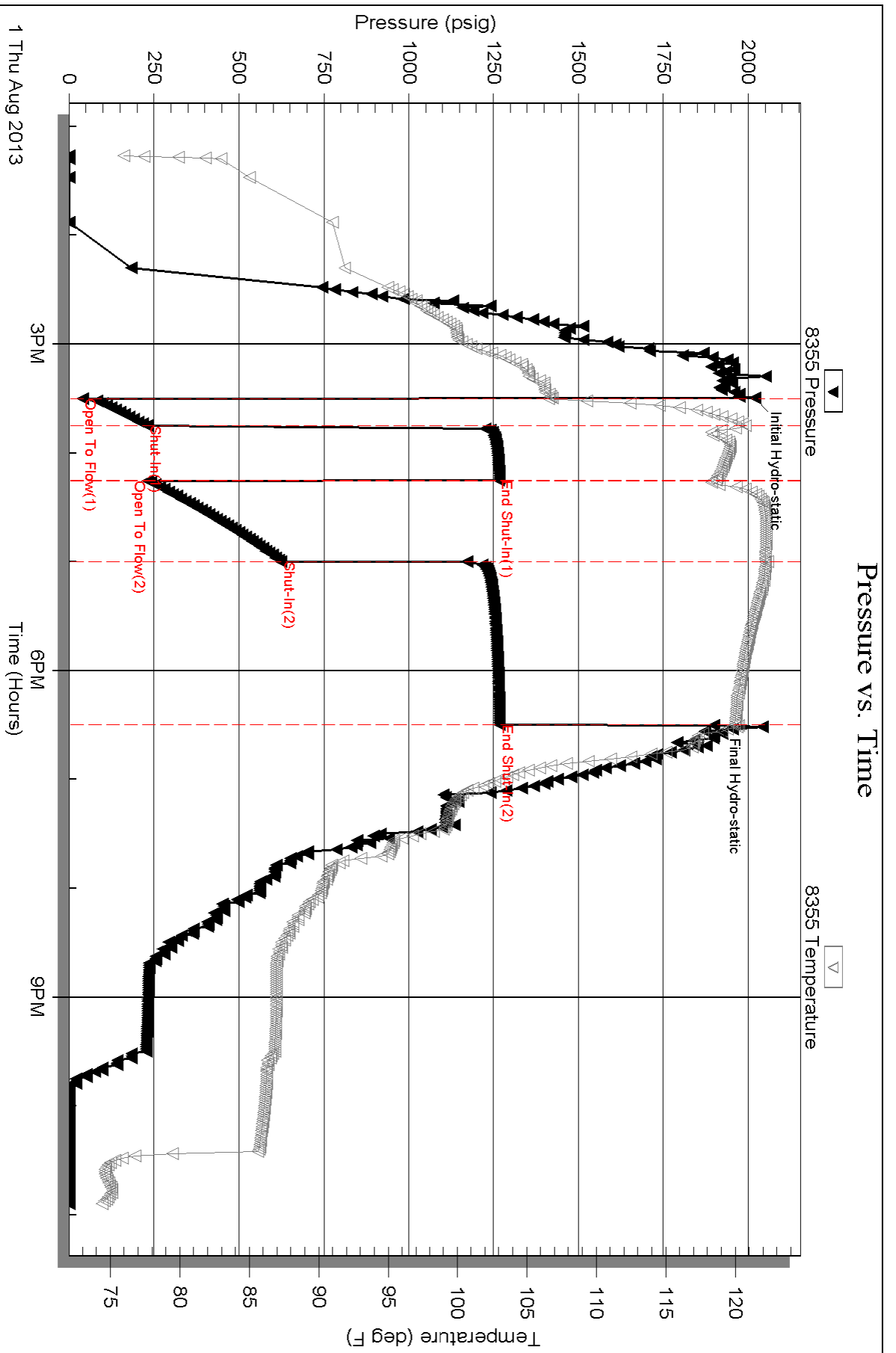
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .110@75=24000 ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w Logan Co. KS

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 49093

DST#: 6

ATTN: Tim Priest

Test Start: 2013.08.02 @ 19:12:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:57:10

Time Test Ended: 00:59:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4295.00 ft (KB) To 4318.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4318.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 18.13 psig @ 4298.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.02

End Date:

2013.08.03

Last Calib.: 2013.08.03

Start Time: 19:12:00

End Time:

00:59:09

Time On Btm: 2013.08.02 @ 20:56:55

Time Off Btm: 2013.08.02 @ 23:00:25

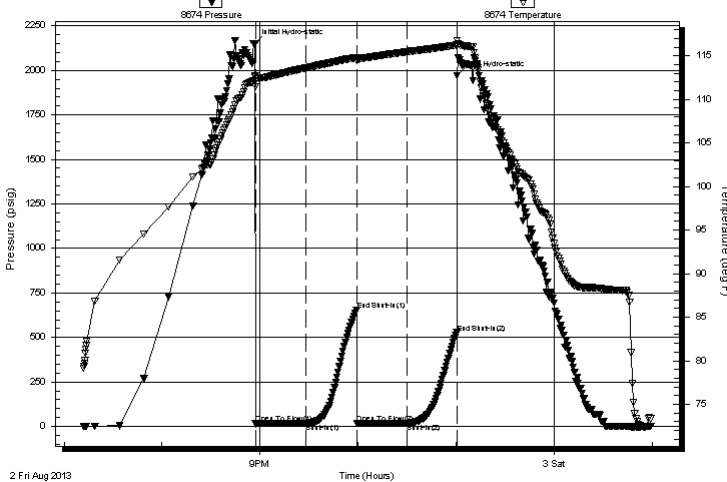
TEST COMMENT: IF- Weak Surface Blow Died in 2min

IS- No Blow

FF- No Blow

FS- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.69	112.72	Initial Hydro-static
1	15.47	111.47	Open To Flow (1)
32	17.03	113.62	Shut-In(1)
62	653.79	114.80	End Shut-In(1)
63	17.02	114.45	Open To Flow (2)
93	18.13	115.48	Shut-In(2)
124	526.89	116.24	End Shut-In(2)
124	1969.12	116.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m with a Few Oil Spots	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

16-14s-32w Logan Co. KS

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 49093

DST#: 6

ATTN: Tim Priest

Test Start: 2013.08.02 @ 19:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% m with a Few Oil Spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8674

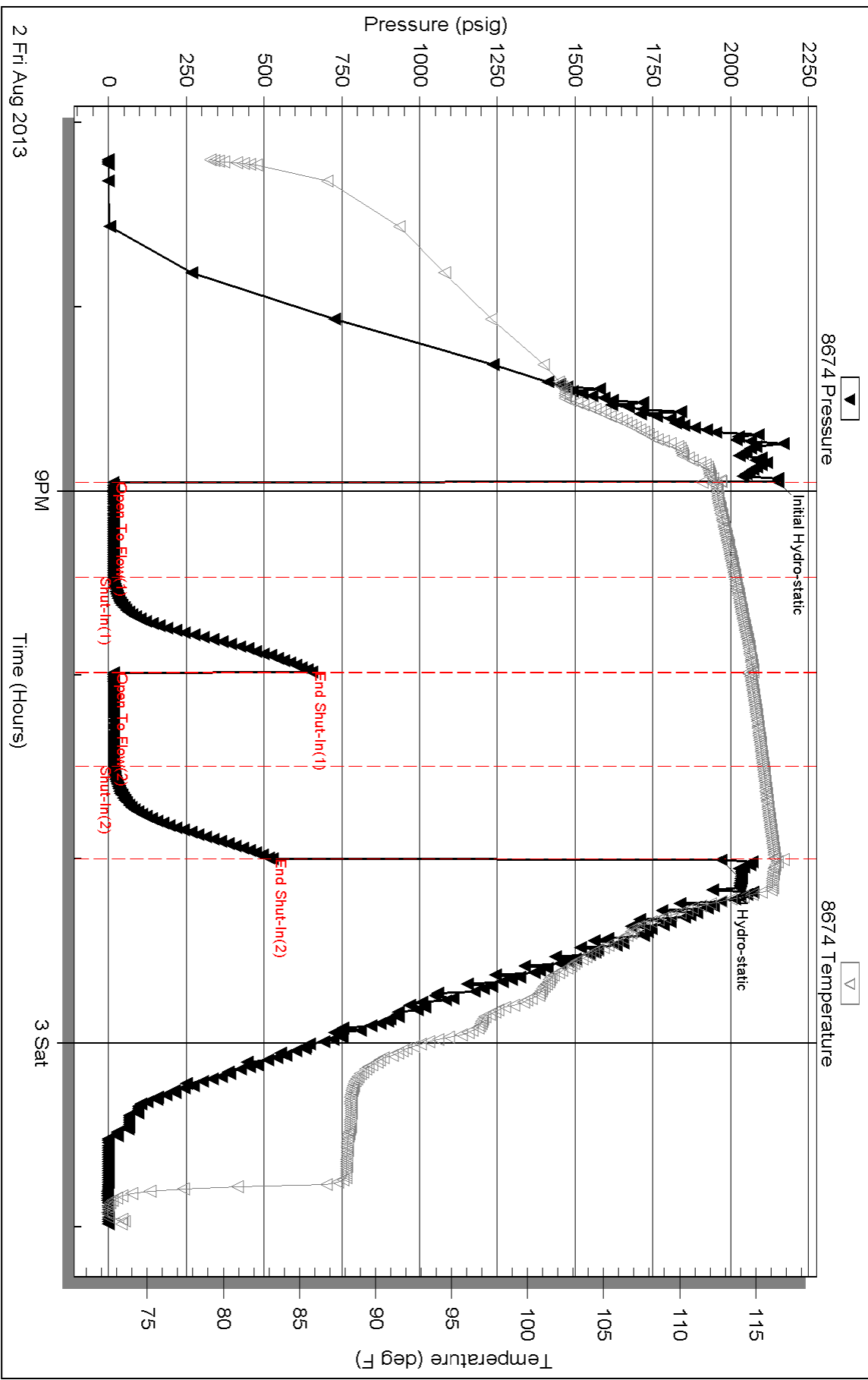
Inside

Shakespeare Oil Co, Inc

Oilley #4-16

DST Test Number: 6

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49093

Printed: 2013.08.03 @ 06:14:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

16-14s-32w Logan Co. KS

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 49094

DST#: 7

ATTN: Tim Priest

Test Start: 2013.08.03 @ 16:04:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:21:55

Time Test Ended: 00:27:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4380.00 ft (KB) To 4420.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 59.07 psig @ 4381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.03

End Date:

2013.08.04

Last Calib.:

2013.08.04

Start Time:

16:04:00

End Time:

00:27:24

Time On Btm:

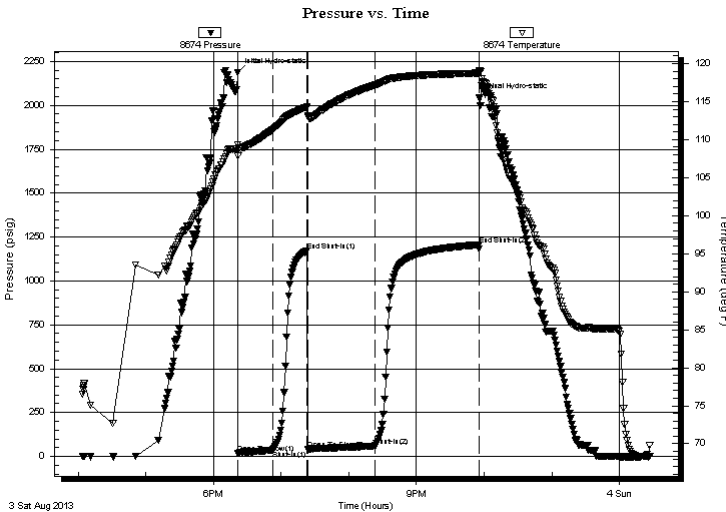
2013.08.03 @ 18:21:40

Time Off Btm:

2013.08.03 @ 21:55:54

TEST COMMENT: IF- Weak Surface Blow Built to 8"
IS- No Blow
FF- Weak Surface Blow Built to BOB in 45min
FS- Weak Surface Blow in 25min Died in 50min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.79	109.30	Initial Hydro-static
1	16.36	107.90	Open To Flow (1)
31	36.28	111.31	Shut-In(1)
62	1171.31	114.27	End Shut-In(1)
63	40.18	113.04	Open To Flow (2)
122	59.07	117.15	Shut-In(2)
214	1205.72	118.74	End Shut-In(2)
215	2045.31	119.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 28%g 34%oil 38%m	0.30
60.00	MGCO 19%m 24%g 57%oil	0.30
20.00	GO 6%g 94%oil	0.28
0.00	352' 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

Shakespeare Oil Co, Inc

16-14s-32w Logan Co. KS

202 W Main St
Salem, IL 62881

Ottley #4-16

Job Ticket: 49094

DST#: 7

ATTN: Tim Priest

Test Start: 2013.08.03 @ 16:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GOCM 28%g 34%oil 38%m	0.295
60.00	MGCO 19%m 24%g 57%oil	0.304
20.00	GO 6%g 94%oil	0.281
0.00	352' of GIP	0.000

Total Length: 140.00 ft Total Volume: 0.880 bbl

Num Fluid Samples: 0

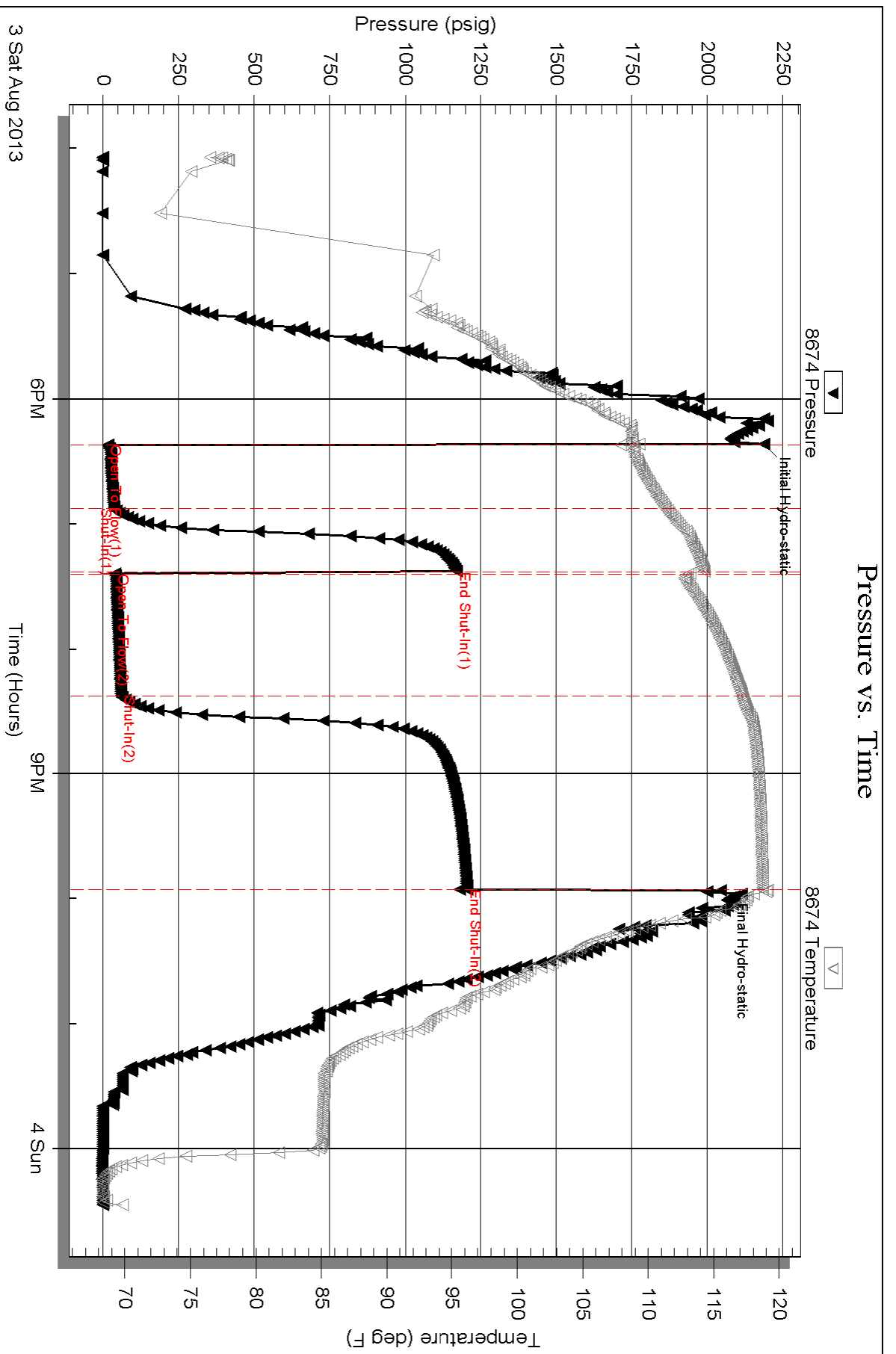
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 29 @ 70f = 28



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: **SHAKESPEARE OIL CO.**
 LEASE: **SHAKY 4-16**
 FIELD: **Wildcat**
 LOCATION: **1999 F.W.L. 1852 F.W.L.**
 SEC: **16 T15SP 14S R0E 32W**
 COUNTY: **Logan STATE Kansas**

CONTRACTOR: **HD Drilling Rig #2**
 SPUD: **7-24-13** COMP: **8-4-13**
 RTD: **4:53:00** LTD: **4:52:28**
 MUD UP: **3:50:00** TYPE MUD: **Chemical**

SAMPLES SAVED FROM: **3600'** to RTD
 DRILLING TIME KEPT FROM: **3600'** to RTD
 SAMPLES EXAMINED FROM: **3650'** to RTD
 GEOLOGICAL SUPERVISION FROM: **3700'** to RTD

GEOLOGIST ON WELL: **Tim Priest**

FORMATION TOPS: **ELECTRIC LOG** SAMPLE
 Anhydrite: **2274 (-544)** 2277 (-541)
 Heebner Shale: **3774 (-956)** 3777 (-959)
 Lansing: **3812 (-994)** 3818 (-1000)
 SBK: **4038 (-1240)** 4062 (-1244)
 BRC: **4138 (-1330)** 4140 (-1332)
 Fort Scott: **4320 (-1502)** 4323 (-1505)
 Cherokee Shale: **4346 (-1528)** 4348 (-1530)
 Mississippian: **4449 (-1630)** 4451 (-1633)

EL ELEVATIONS: **KB 2818'**
 DF: _____
 GL: **2808'**

Measurements Are All From **KB**

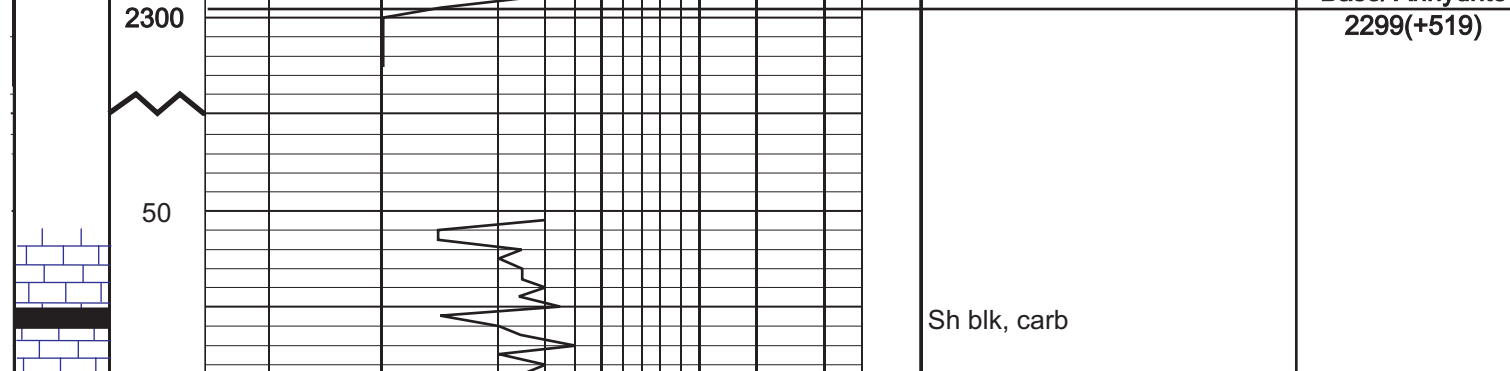
CASING: **N/A**
 CONDUCTION: **N/A**
 SURFACE: **8-5/8" @ 225'**
 PRODUCTION: **3 1/2 @ 4530'**

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

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

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-109-21198-00-00



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2274	Anhydrite	Anhydrite	2277(+541)
2299	Base/ Anhydrite	Base/ Anhydrite	2299(+519)
3600	Sh blk, carb	Sh blk, carb	
3600	Sh red-grm-gry, silty-fn sandy	Sh red-grm-gry, silty-fn sandy	
3650	Ls crm-lt gry, fn xtl, fos-ool, sli chky, f-gd int frag por, NS	Ls crm-lt gry, fn xtl, fos-ool, sli chky, f-gd int frag por, NS	
3650	Sh blk, carb	Sh blk, carb	
3650	Ls crm-tan, fn xtl, ool, f int ool por, NS	Ls crm-tan, fn xtl, ool, f int ool por, NS	
3650	Ls crm-lt gry, vfn xtl,	Ls crm-lt gry, vfn xtl,	
3650	Sh gry, silty	Sh gry, silty	
3650	Ls lt gry-gry, fn xtl, ool, p int ool por, NS	Ls lt gry-gry, fn xtl, ool, p int ool por, NS	
3650	Ls lt gry-gry, fn xtl, ool, p int ool por, NS	Ls lt gry-gry, fn xtl, ool, p int ool por, NS	
3650	Sh blk, carb	Sh blk, carb	Heebner 3777 (-959)
3650	Ls crm-tan, vfn xtl, dnse	Ls crm-tan, vfn xtl, dnse	
3650	Sh mostly red, silty, calc	Sh mostly red, silty, calc	
3650	Ls crm, fn xtl, fos, chky, p-f int xtl & pp-vug por, NS	Ls crm, fn xtl, fos, chky, p-f int xtl & pp-vug por, NS	Toronto 3795 (-977)
3650	Sh gry-blk	Sh gry-blk	
3650	Ls crm, fn xtl, fos-ool, chky, p-f int xtl & pp-vug por, NS	Ls crm, fn xtl, fos-ool, chky, p-f int xtl & pp-vug por, NS	Lansing 3818 (-1000)
3650	Ls crm, fn xtl, ool, chky, p-f int ool por, NS	Ls crm, fn xtl, ool, chky, p-f int ool por, NS	DST # 1 (3839-3864) IF: Built to 2 in., no return FF: Surface Blow, no return Rec: 20-30M(15%G,85%M) Fps: 106M/1082# HSPs: 106M/1082# BHT: 112 deg F
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm-lt gry, fn xtl, fos, dnse	Ls crm-lt gry, fn xtl, fos, dnse	
3650	Ls crm-lt gry, fn xtl, fos-ool, sli chky, p-f int xtl-pp por w/few vugs, sptd-sli sat dk stn, SFO, v sli odor, no-dull fluor	Ls crm-lt gry, fn xtl, fos-ool, sli chky, p-f int xtl-pp por w/few vugs, sptd-sli sat dk stn, SFO, v sli odor, no-dull fluor	Pipe strap @ 3864 was 1.81' long to board
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm-lt gry, vfn xtl, sli fos, sli chky, sli chly, dnse	Ls crm-lt gry, vfn xtl, sli fos, sli chky, sli chly, dnse	DST # 2 (3886-3920) 15'-30"-45'-60" IF: BOB 3", BOB 60" return FF: 780' GO(20%G,80%O) Rec: 780' GO(20%G,80%O) Fps: 40-125M(139-291#) SIPs: 103M/1048# HSPs: 182M/1855# BHT: 117 deg F Gravty: .92
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sat stn, SFO, f odor, dull-f fluor	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sat stn, SFO, f odor, dull-f fluor	
3650	Sh red-maroon	Sh red-maroon	
3650	Ls crm-lt gry, fes-ool, v chky, f int frag por, NS	Ls crm-lt gry, fes-ool, v chky, f int frag por, NS	
3650	Ls crm-lt gry, vfn xtl, chly, dnse	Ls crm-lt gry, vfn xtl, chly, dnse	
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm-tan, vfn xtl, dnse	Ls crm-tan, vfn xtl, dnse	
3650	Ls lt gry-gry, vfn xtl, dnse	Ls lt gry-gry, vfn xtl, dnse	
3650	Ls crm, vfn xtl, dnse	Ls crm, vfn xtl, dnse	
3650	Sh blk, carb	Sh blk, carb	Muncie Creek 3976 (-1158)
3650	Ls crm-tan, vfn xtl, dnse	Ls crm-tan, vfn xtl, dnse	
3650	Sh gry-dk gry, calc	Sh gry-dk gry, calc	
3650	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por, NS	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por, NS	
3650	Ls crm-lt gry, vfn xtl, dnse	Ls crm-lt gry, vfn xtl, dnse	
3650	Sh blk, carb	Sh blk, carb	
3650	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	DST # 3 (4031-4065) 30'-30"-60'-90" IF: Surface Blow, no return FF: No blow, no return Rec: 5' Mud Fps: 15-16M(15-15#) SIPs: 203M/178# HSPs: 200M/1848# BHT: 117 deg F
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm, fn xtl, fn ool, chky, f int ool por, sptd-sat dk stn, SFO, sli odor, dull fluor	Ls crm, fn xtl, fn ool, chky, f int ool por, sptd-sat dk stn, SFO, sli odor, dull fluor	
3650	Ls crm-lt gry, vfn xtl, dnse	Ls crm-lt gry, vfn xtl, dnse	
3650	Sh blk, carb	Sh blk, carb	Stark 4062 (-1244)
3650	Sh gm-gry	Sh gm-gry	
3650	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sli sat dk stn, SFO, f odor, dull fluor	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sli sat dk stn, SFO, f odor, dull fluor	DST # 4 (4031-4095) 30'-30"-30'-30" IF: Surface Blow, no return FF: No blow, no return Rec: 5' Mud Fps: 15-16M(15-15#) SIPs: 103M/1048# HSPs: 200M/1848# BHT: 117 deg F
3650	Sh gm-gry, calc	Sh gm-gry, calc	
3650	Ls crm-lt gry, fn xtl, fos, sli chky, f int xtl & int frag por w/scat vugs, sptd-sat stn, SFO, f-strong odor, dull-f fluor	Ls crm-lt gry, fn xtl, fos, sli chky, f int xtl & int frag por w/scat vugs, sptd-sat stn, SFO, f-strong odor, dull-f fluor	DST # 5 (4001-4125) 15'-30"-45'-60" IF: BOB 3", BOB 6", 114 in. return FF: BOB 3", BOB 6", surface return died in 10' Rec: 5' CO2, 40' GAO (10%G,85%O,30%MI, 240' GCMW(20%G,10%O,40%W,20%N), 300' GCMW(10%G,50%W,10%O,5%N), 200' GCMW(5%G,95%W,5%LN, 200' WMA(5%G,95%W,5%MI) Total Fluid: 1285'
3650	Ls crm-lt gry, vfn xtl, sli chky, dnse	Ls crm-lt gry, vfn xtl, sli chky, dnse	
3650	Sh blk, carb	Sh blk, carb	B/C 4140 (-1322)
3650	Ls crm-lt gry, vfn xtl, sli chky, dnse	Ls crm-lt gry, vfn xtl, sli chky, dnse	
3650	Sh var col, silty	Sh var col, silty	
3650	Ls crm, vfn xtl, sli fos, sli chky, dnse	Ls crm, vfn xtl, sli fos, sli chky, dnse	Marmaton 4172 (-1354)
3650	Sh var col	Sh var col	
3650	Sh red-grm-gry	Sh red-grm-gry	
3650	Ls crm-lt gry, vfn xtl, dnse	Ls crm-lt gry, vfn xtl, dnse	
3650	Sh red-gry	Sh red-gry	
3650	Ls crm-lt gry, vfn xtl, sli chly, sli chky, dnse	Ls crm-lt gry, vfn xtl, sli chly, sli chky, dnse	
3650	Ls crm, fn-vfn xtl, sli fos, sli chky, p int xtl-pp por, sptd stn, VSSFO, no odor, dull fluor	Ls crm, fn-vfn xtl, sli fos, sli chky, p int xtl-pp por, sptd stn, VSSFO, no odor, dull fluor	
3650	Sh red-grm-gry	Sh red-grm-gry	
3650	Ls crm-tan, vfn xtl, sli chly, sli chky, dnse	Ls crm-tan, vfn xtl, sli chly, sli chky, dnse	
3650	Sh blk, carb	Sh blk, carb	Pawnee 4268 (-1450)
3650	Ls crm-lt gry, vfn xtl, sli chky, dnse	Ls crm-lt gry, vfn xtl, sli chky, dnse	
3650	Ls tan-gry, vfn xtl, chly, dnse	Ls tan-gry, vfn xtl, chly, dnse	DST # 6 (4295-4318) 30'-30"-30'-30" IF: No blow, no return FF: No blow, no return Rec: 5' OSM Fps: 653M/526# HSPs: 2149M/1905# BHT: 112 deg F
3650	Sh blk, carb	Sh blk, carb	
3650	Ls tan-brn, vfn xtl, dnse	Ls tan-brn, vfn xtl, dnse	
3650	Sh gm-gry	Sh gm-gry	Myric Station 4307 (-1489)
3650	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sat stn, SFO, f odor, dull-f fluor	Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs, sptd-sat stn, SFO, f odor, dull-f fluor	
3650	Sh blk, carb	Sh blk, carb	
3650	Ls crm-tan-gry mottd, vfn xtl, sli fos, sli chky, dnse	Ls crm-tan-gry mottd, vfn xtl, sli fos, sli chky, dnse	Fort Scott 4323 (-1505)
3650	Ls crm-lt gry, vfn xtl, chky, dnse	Ls crm-lt gry, vfn xtl, chky, dnse	
3650	Ls crm-tan-lt gry, mic xtl, dnse	Ls crm-tan-lt gry, mic xtl, dnse	
3650	Sh blk, carb	Sh blk, carb	Cherokee Shale 4348 (-1530)
3650	Ls crm-lt gry, fn xtl, fos, v chky, f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, no fluor	Ls crm-lt gry, fn xtl, fos, v chky, f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, no fluor	
3650	Sh blk, carb, w/int bed tan-gry dnse Ls	Sh blk, carb, w/int bed tan-gry dnse Ls	
3650	Ls dk brn-gry, vfn xtl, dnse	Ls dk brn-gry, vfn xtl, dnse	
3650	Sh gry-grm-red	Sh gry-grm-red	Johnson Zone 4390 (-1572)
3650	Ls tan-gry, fn xtl, sli fos, p-f int xtl-pp por w/scat vugs, sptd-sli sat dk stn, SFO, f odor, no fluor	Ls tan-gry, fn xtl, sli fos, p-f int xtl-pp por w/scat vugs, sptd-sli sat dk stn, SFO, f odor, no fluor	DST # 7 (4360-4420) IF: Built to 8in., no return FF: BOB 45", surface return Rec: 300' CO2, 20' GAO(5%G, 94%O), 60' GAO(0%G, 57%O, 19%MI, 60' GCMW(20%G, 50%W, 10%O, 5%N), 200' WMA(5%G, 95%W, 5%MI) Total Fluid: 140'
3650	Ls crm-tan-gry, vfn xtl, sli fos, sli chky, dnse	Ls crm-tan-gry, vfn xtl, sli fos, sli chky, dnse	
3650	SS wh-lt gry-lt gm, fn gm, sub md, well sort, f cement, fria, NS	SS wh-lt gry-lt gm, fn gm, sub md, well sort, f cement, fria, NS	Fps: 16-36M(40-59#) SIPs: 113M/1205# HSPs: 2186M/2045# BHT: 115 deg F Gravty: .93
3650	Sh var col, silty-sandy in prt	Sh var col, silty-sandy in prt	
3650	SS wh-lt gry, fn-med gm, sub md, p sort, p-f cement, fria, sli chky in prt, NS	SS wh-lt gry, fn-med gm, sub md, p sort, p-f cement, fria, sli chky in prt, NS	
3650	Ls crm-lt gry, vfn xtl, sandy, dnse	Ls crm-lt gry, vfn xtl, sandy, dnse	Mississippian 4451 (-1633)
3650	Ls crm-tan, vfn xtl, sli sandy, dnse,	Ls crm-tan, vfn xtl, sli sandy, dnse,	
3650	Ls lt gry, vfn xtl, sandy, dnse	Ls lt gry, vfn xtl, sandy, dnse	
3650	Ls crm, vfn xtl, v sandy, chky, dnse	Ls crm, vfn xtl, v sandy, chky, dnse	
3650	Ls tan, vfn xtl, sandy, dnse	Ls tan, vfn xtl, sandy, dnse	
3650	Ls crm-tan, vfn xtl, sli sandy, dnse,	Ls crm-tan, vfn xtl, sli sandy, dnse,	
4530	Total Depth	4530' (-1712)	

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 138132

Invoice Date: Aug 22, 2013

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61251	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	Aug 22, 2013	9/21/13

Quantity	Item	Description	Unit Price	Amount
50.00	CEMENT MATERIALS	Ottley #4-16		
		Class A Common	17.90	895.00
10.00	CEMENT MATERIALS	CD-31	10.30	103.00
2.00	CEMENT MATERIALS	Sand	14.40	28.80
52.13	CEMENT SERVICE	Cubic Feet	2.48	129.29
1.00	CEMENT SERVICE	Ton Mileage Charge	380.00	380.00
1.00	CEMENT SERVICE	Squeeze ✓	2,810.84	2,810.84
22.00	CEMENT SERVICE	Pump Truck Mileage	7.70	169.40
1.00	CEMENT SERVICE	Squeeze Manifold Rental	300.00	300.00
22.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	96.80
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		



10502-5

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

\$ 1,277.41

ONLY IF PAID ON OR BEFORE
Sep 16, 2013

Subtotal	4,913.13
Sales Tax	78.55
Total Invoice Amount	4,991.68
Payment/Credit Applied	
TOTAL	4,991.68

DW

ALLIED OIL & GAS SERVICES, LLC 061251

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Dishley, Ky

DATE <i>8/22/13</i>	SEC <i>16</i>	TWP. <i>14</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION	JOB START <i>12:30p</i>	JOB FINISH <i>1:30p</i>
LEASE <i>Other</i>	WELL # <i>4-16</i>		LOCATION <i>Bally 205 W 1/8 S Wa</i>			COUNTY <i>Logan</i>	STATE <i>Ky</i>
OLD OR NEW (Circle one)							

CONTRACTOR *Wild West*
 TYPE OF JOB *Squeeze*
 HOLE SIZE T.D.
 CASING SIZE *5 1/2* DEPTH *15/16*
 TUBING SIZE *2 3/8* DEPTH
 DRILL PIPE DEPTH
 TOOL *Pausher* DEPTH *4011*
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS. *4099 - 4102*
 DISPLACEMENT

OWNER *Gunnell*
 CEMENT
 AMOUNT ORDERED *50 Com*
3/4 - 1 1/8 CD 31
 COMMON *50* @ *17.90* *895.00*
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
CD 31 1216 @ *10.30* *123.00*
 @
 @ *14.40* *288.00*
 @
 @
 @
 @
 HANDLING *52.13* @ *129.29*
 MILEAGE *295* @ *380.00*
 TOTAL *1536.00*

EQUIPMENT
 PUMP TRUCK CEMENTER *Alex - Paul Weaver*
 # *42* HELPER *Walter McShigley*
 BULK TRUCK
 # *247* DRIVER *Alex (WSS)*
 BULK TRUCK
 # DRIVER

REMARKS:

Trip by - OHC - 150016 - Hold spot sand w/ 15 @ 4143

*Set Pausher 4011 to squeeze - Mix 10 1/4 1/2 CD 31 w/ H₂O
 For 15 SK. Mix 15SK w/ CD 31. Trip w/ 15SK Com.
 Washup first line w/ H₂O - 13 1/2 mi - to 1522 P13
 Squeeze - Pausher - Pausher Com - Wash 3rd
 from Plug. Pressure Signal to 500 - Shut in
 Thank you
 Mike, Paul, Wayne, Alex*

SERVICE

DEPTH OF JOB *4011*
 PUMP TRUCK CHARGE *2810.00*
 EXTRA FOOTAGE @
 MILEAGE @ *169.40*
 MANIFOLD *Squeeze* @ *300.00*
 @ *96.00*
 @

TOTAL *3377.00*

CHARGE TO: *S. F. Perkins Oil & Gas*
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @

TOTAL

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
 TOTAL CHARGES *4,913.13*
 DISCOUNT *1,277.41* IF PAID IN 30 DAYS
3,635.71 Net.

PRINTED NAME *J. Cable*
 SIGNATURE _____



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138299
Invoice Date: Aug 27, 2013
Page: 1

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

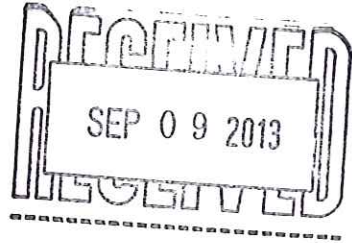
Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	61310	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	Aug 27, 2013	9/26/13

Quantity	Item	Description	Unit Price	Amount
50.00	CEMENT MATERIALS	Ottley #4-16	17.90	895.00
7.00	CEMENT MATERIALS	Class A Common	10.30	72.10
2.00	CEMENT MATERIALS	CD-31	14.40	28.80
52.13	CEMENT SERVICE	Sand	2.48	129.29
1.00	CEMENT SERVICE	Cubic Feet	380.00	380.00
1.00	CEMENT SERVICE	Ton Mileage Charge	2,600.47	2,600.47
22.00	CEMENT SERVICE	Squeeze ✓	7.70	169.40
1.00	CEMENT SERVICE	Pump Truck Mileage	300.00	300.00
22.00	CEMENT SERVICE	Squeeze Manifold Rental	4.40	96.80
1.00	CEMENT SUPERVISOR	Light Vehicle Mileage		
1.00	EQUIPMENT OPERATOR	Andrew Forslund		
		Tyler Flipse		

INT



10502-5

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

\$ 1,214.68

ONLY IF PAID ON OR BEFORE
Sep 21, 2013

Subtotal	4,671.86
Sales Tax	357.40
Total Invoice Amount	5,029.26
Payment/Credit Applied	
TOTAL	5,029.26

DW

ALLIED OIL & GAS SERVICES, LLC 061310

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Dakley

DATE <u>8-27-10</u>	SEC. <u>14</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30pm</u>	JOB FINISH <u>1:30 pm</u>
LEASE <u>Dakley</u>	WELL # <u>4-16</u>	LOCATION <u>Dakley 205 1w 18.5</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)		W + N into					

CONTRACTOR <u>wild west</u>	OWNER <u>same</u>
TYPE OF JOB <u>squeeze</u>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <u>5 1/2</u> DEPTH _____	AMOUNT ORDERED <u>50 sks com</u>
TUBING SIZE <u>2 3/8</u> DEPTH <u>38 1/2'</u>	<u>3 1/2" 18.00-31</u>
DRILL PIPE _____ DEPTH _____	<u>2 sand</u>
TOOL <u>Packer</u> DEPTH <u>38 1/2'</u>	
PRES. MAX _____ MINIMUM _____	COMMON <u>50 sks</u> @ <u>17.80</u> <u>895.00</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. <u>3823 - 3896</u>	CHLORIDE _____ @ _____
DISPLACEMENT _____	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK # <u>422</u>	CEMENTER <u>Andrew Forslund</u>		
BULK TRUCK # <u>323</u>	HELPER <u>Tyler F. Lipse</u>	Send <u>2 sks</u>	@ <u>14.90</u> <u>29.80</u>
BULK TRUCK # _____	DRIVER <u>Elio (tw.3)</u>		
BULK TRUCK # _____	DRIVER _____		
		HANDLING <u>52.187 cu/ft @ 2.18</u>	<u>129.29</u>
		MILEAGE <u>2.60 Dpt/mile 2.135 RA</u>	<u>380.00</u>
			TOTAL <u>1505.09</u>

REMARKS:

Pressure bridge plug to 1520'. Spot sand set packer @ 38 1/2'. Pressure back side 500'. Take injection rate 1 1/2 gal/min in 400' mix 10 sks 3 1/2" 18.00-31 followed by 40 sks com wash pumps and line clean. Displace and pressure to 1520'. Reverse clean. Pressure to 500 shut in.

thank you

CHARGE TO: Shakespeare

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>38 1/2'</u>	
PUMP TRUCK CHARGE _____	<u>2600.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>22 miles</u> @ <u>7.70</u>	<u>169.40</u>
MANIFOLD <u>squeeze</u> @ _____	<u>300.00</u>
<u>Light vehicle</u> @ <u>4.40</u>	<u>96.80</u>
	@ _____

TOTAL 3166.62

PLUG & FLOAT EQUIPMENT

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

TOTAL _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

SALES TAX (if Any) _____

TOTAL CHARGES 4,671.86

DISCOUNT 1,214.68 IF PAID IN 30 DAYS

3,457.17 Net.

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



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

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

Sam Brownback, Governor

September 18, 2013

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

Re: ACO1
API 15-109-21198-00-00
Ottley 4-16
NW/4 Sec.16-14S-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,
Don Williams