



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1219076
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: _____

1219076

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 6-14
Doc ID	1219076

All Electric Logs Run

Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 6-14
Doc ID	1219076

Tops

Name	Top	Datum
Base Anhydrite	2288	+530
Heebner	3784	-966
Lansing	3822	-1004
Mucnie Creek	3974	-1156
Stark Shale	4066	-1248
Hushpuckney	4099	-1281
Pawnee	4273	-1454
Cherokee Shale	4356	-1538
Johnson	4397	-1579
Mississippian	4452	-1634



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 144614

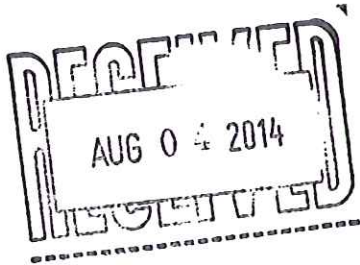
Invoice Date: Jul 25, 2014

Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Shak	63364	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jul 25, 2014	8/24/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ottley #6-14		
400.00	CEMENT MATERIALS	65/35 8% Gel Blend	19.88	7,952.00
100.00	CEMENT MATERIALS	Flo Seal	2.97	297.00
200.00	CEMENT MATERIALS	Cottonseed Hulls	0.68	136.00
633.00	CEMENT SERVICE	Cubic Feet Charge	2.48	1,569.84
529.16	CEMENT SERVICE	Ton Mileage Charge	2.75	1,455.19
1.00	CEMENT SERVICE	Port Collar	2,483.59	2,483.59
22.00	CEMENT SERVICE	Pump Truck Mileage	7.70	169.40
22.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	96.80
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	George Grant		



10502-5
KW

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

\$ 3,539.96

ONLY IF PAID ON OR BEFORE
Aug 24, 2014

Subtotal	14,159.82
Sales Tax	641.45
Total Invoice Amount	14,801.27
Payment/Credit Applied	
TOTAL	14,801.27

ALLIED OIL & GAS SERVICES, LLC 34820 063364

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakley TX

DATE <u>7/25/14</u>	SEC. <u>14</u>	TWP. <u>14</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00</u>	JOB FINISH <u>2:00</u>
LEASE <u>OTH</u>	WELL# <u>6-14</u>	LOCATION <u>Dakley 205 E LN</u>				COUNTY <u>1000</u>	STATE <u>TX</u>
OLD OR NEW (Circle one)			<u>W. into</u>				

CONTRACTOR Wild West OWNER Some

TYPE OF JOB Port collar

HOLE SIZE _____ T.D. _____ CEMENT _____

CASING SIZE 5 1/2 DEPTH _____ AMOUNT ORDERED 65/35 870 20/14 F60

TUBING SIZE 2 1/2 DEPTH 2255'

DRILL PIPE _____ DEPTH _____ 1000 lb. hole on side used 5/8"

TOOL Port collar DEPTH 2255'

PRES. MAX _____ MINIMUM _____ COMMON _____ @ _____

MEAS. LINE _____ SHOE JOINT _____ POZMIX _____ @ _____

CEMENT LEFT IN CSG. _____ GEL _____ @ _____

PERFS. _____ CHLORIDE _____ @ _____

DISPLACEMENT 7 3/4 OBL 1000 1/2 Eng 400 5/8 @ 17 22 2952

EQUIPMENT _____ Fiberglass 100 @ 2 22 237.00

PUMP TRUCK CEMENTER Alan Ryan Hubs 20016 @ 2 22 136.00

223-281 HELPER Alan Ryan Manifold total @ 2 22 830.00

BULK TRUCK # 818 DRIVER George Grant (200005 10.00)

BULK TRUCK # _____ DRIVER _____ HANDLING 638 67 @ 2 22 1569.84

MILEAGE 22 1/2 1455.21 MILEAGE 22 1/2 1455.21

REMARKS: _____ TOTAL _____

Port collar 1000 - hole on side, pump 350 OBL, 1000 @ 1000 PSI

@ 2 1/2 in. Max 4000 ft. 1000 lb. hole, Displace 2 1/4 OBL 1000

Close tool joint 1000 hole. Run 5 1/2

Success Clean

Contract for Cement

Thank you

Alan Ryan/George

CHARGE TO: Shelbourn Oil

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.

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

PRINTED NAME Perry Carr

SIGNATURE Perry Carr

SERVICE

DEPTH OF JOB 2255'

PUMP TRUCK CHARGE 2483.22

EXTRA FOOTAGE _____ @ _____

MILEAGE 22 @ 2 22 169.40

MANIFOLD _____ @ _____

ESTABLISH _____ @ 4 42 96.82

TOTAL 5118.84

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (if Any) _____

TOTAL CHARGES 14159.84

DISCOUNT 3,539.96 (25%) IF PAID IN 30 DAYS

10,619.88 Net.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144610
Invoice Date: Jul 24, 2014
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Shak	63267	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jul 24, 2014	8/23/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Offley #6-14		
571.00	CEMENT SERVICE	Cubic Feet Charge	2.48	1,416.08
517.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,421.75
1.00	CEMENT SERVICE	Port Collar	2,483.59	2,483.59
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne Mc Ghghy		

RECEIVED
AUG 05 2014
LOGS/STAFF

10502-5
J

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

\$ 1,446.48

ONLY IF PAID ON OR BEFORE
Aug 23, 2014

Subtotal	5,563.42
Sales Tax	
Total Invoice Amount	5,563.42
Payment/Credit Applied	
TOTAL	5,563.42

ALLIED OIL & GAS SERVICES, LLC 066267

Federal Tax I.D. # 20-3651475

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

SERVICE POINT:
Oakley, KS

DATE <u>7-7-14</u>	SEC. <u>1C</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>3:30 PM</u>
LEASE <u>Oakley</u>		WELL # <u>6-14</u>		LOCATION <u>Oakley 20513 N. 14th Ave</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Wild West Well Serv. OWNER SAME

TYPE OF JOB Particular

<table border="0"> <tr><td>HOLE SIZE</td><td>T.D.</td></tr> <tr><td>CASING SIZE <u>5 1/2</u></td><td>DEPTH</td></tr> <tr><td>TUBING SIZE <u>2 3/8</u></td><td>DEPTH <u>2237</u></td></tr> <tr><td>DRILL PIPE</td><td>DEPTH</td></tr> <tr><td>TOOL <u>DC</u></td><td>DEPTH <u>2237'</u></td></tr> <tr><td>PRES. MAX</td><td>MINIMUM</td></tr> <tr><td>MEAS. LINE</td><td>SHOE JOINT</td></tr> <tr><td>CEMENT LEFT IN CSG.</td><td></td></tr> <tr><td>PERFS:</td><td></td></tr> <tr><td>DISPLACEMENT <u>7 3/4</u></td><td></td></tr> <tr><td>EQUIPMENT</td><td></td></tr> </table>	HOLE SIZE	T.D.	CASING SIZE <u>5 1/2</u>	DEPTH	TUBING SIZE <u>2 3/8</u>	DEPTH <u>2237</u>	DRILL PIPE	DEPTH	TOOL <u>DC</u>	DEPTH <u>2237'</u>	PRES. MAX	MINIMUM	MEAS. LINE	SHOE JOINT	CEMENT LEFT IN CSG.		PERFS:		DISPLACEMENT <u>7 3/4</u>		EQUIPMENT		<table border="0"> <tr><td>CEMENT</td><td></td></tr> <tr><td>AMOUNT ORDERED <u>500 GKS 65/35</u></td><td></td></tr> <tr><td><u>89 gal 1/4" #510-seal</u></td><td></td></tr> <tr><td>COMMON</td><td>⊙</td></tr> <tr><td>POZMIX</td><td>⊙</td></tr> <tr><td>GEL</td><td>⊙</td></tr> <tr><td>CHLORIDE</td><td>⊙</td></tr> <tr><td>ASC</td><td>⊙</td></tr> <tr><td><u>65/35</u></td><td>⊙ <u>19.88</u> <u>N/A</u></td></tr> <tr><td><u>E Gel</u></td><td>⊙ <u>1.50</u> <u>N/A</u></td></tr> <tr><td><u>Flaseq 1</u></td><td>⊙ <u>2.97</u> <u>N/A</u></td></tr> <tr><td>HANDLING <u>5357/cu ft</u></td><td>⊙ <u>2.92</u> <u>1416.08</u></td></tr> <tr><td>MILEAGE <u>23.5100 x 2.2 x 2.25</u></td><td><u>142.175</u></td></tr> <tr><td>TOTAL</td><td></td></tr> </table>	CEMENT		AMOUNT ORDERED <u>500 GKS 65/35</u>		<u>89 gal 1/4" #510-seal</u>		COMMON	⊙	POZMIX	⊙	GEL	⊙	CHLORIDE	⊙	ASC	⊙	<u>65/35</u>	⊙ <u>19.88</u> <u>N/A</u>	<u>E Gel</u>	⊙ <u>1.50</u> <u>N/A</u>	<u>Flaseq 1</u>	⊙ <u>2.97</u> <u>N/A</u>	HANDLING <u>5357/cu ft</u>	⊙ <u>2.92</u> <u>1416.08</u>	MILEAGE <u>23.5100 x 2.2 x 2.25</u>	<u>142.175</u>	TOTAL	
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TOTAL																																																			

PUMP TRUCK CEMENTER Kelly Gabel
422 HELPER Wayne McCahugh
BULK TRUCK
818287 DRIVER Ramiro (TWS)
BULK TRUCK
DRIVER

REMARKS:

rigged up, tested tool to 1200'
advanced tool, pumped 2000'
in hole (used tool), pressured to
1200', reversed out tool done

Thank You
Kelly & crew

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

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

PRINTED NAME Perry Carr
SIGNATURE Perry Carr

SERVICE	
DEPTH OF JOB	<u>2237'</u>
PUMP TRUCK CHARGE	<u>2453.09</u>
EXTRA FOOTAGE	⊙
MILEAGE <u>Mile V 20</u>	⊙ <u>7.20</u> <u>154.00</u>
MANIFOLD	⊙
<u>M.L.V 20</u>	⊙ <u>4.00</u> <u>88.00</u>
TOTAL	<u>1416.48 / 2620</u> <u>3363.40</u>

PLUG & FLOAT EQUIPMENT	
_____	⊙ _____
_____	⊙ _____
_____	⊙ _____
_____	⊙ _____
_____	⊙ _____
TOTAL	_____

SALES TAX (If Any) _____
TOTAL CHARGES 3363.40
DISCOUNT 1416.48 (2620) IF PAID IN 30 DAYS
4116.93 Net



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144462

Invoice Date: Jul 18, 2014

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

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

Customer ID	Field Ticket #	Payment Terms	
Shak	64056	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 18, 2014	8/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Ottley #6-14</u>		
165.00	CEMENT MATERIALS	ASC	23.50	3,877.50
825.00	CEMENT MATERIALS	Gilsonite	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	7.73	896.68
25.00	CEMENT MATERIALS	Powder Defoamer	4.85	121.25
12.00	CEMENT MATERIALS	Mud Clean	41.09	493.08
208.00	CEMENT SERVICE	Cubic Feet Charge	2.48	515.84
155.20	CEMENT SERVICE	Ton Mileage Charge	2.75	426.80
1.00	CEMENT SERVICE	<u>Production Casing</u>	2,765.75	2,765.75
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
1.00	CEMENT SERVICE	Manifold Rotating Head	475.00	475.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	Adam Flipse		



10502-5
KW

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

\$ 2,655.60

ONLY IF PAID ON OR BEFORE
Aug 17, 2014

Subtotal	10,622.40
Sales Tax	474.07
Total Invoice Amount	11,096.47
Payment/Credit Applied	
TOTAL	11,096.47

ALLIED OIL & GAS SERVICES, LLC 064056

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley KS

DATE <u>7-18-14</u>	SEC. <u>14</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>6:30 a.m.</u>	JOB START	JOB FINISH
LEASE <u>OHkey</u>	WELL# <u>6-14</u>	LOCATION <u>Oakley St Jayhawk 1E</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1/2 N Winto</u>				

CONTRACTOR <u>HD mg 2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4530'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4525'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>Port Collar</u>	DEPTH <u>2238'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>	
PERFS.	
DISPLACEMENT <u>106.70 bbl water</u>	

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Paul Beaver</u>	
# <u>423/281</u> HELPER <u>Adam Flipse</u>	
BULK TRUCK	
# <u>818/281</u> DRIVER <u>Juan I (Tws)</u>	
BULK TRUCK	
# DRIVER	

CEMENT	
AMOUNT ORDERED <u>165 sks ASC 10% salt</u>	
<u>5th gilsonite 2% gel, .75 of 1%</u>	
<u>CD-31, .15 # Deleamer, 500 gal</u>	
<u>mud clean</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC <u>116.5 sks @ 23.50</u>	<u>3877.50</u>
<u>gilsonite 825 # @ .98</u>	<u>808.50</u>
<u>CD-31 116 # @ 7.93</u>	<u>896.68</u>
<u>P Deleamer 25 # @ 4.85</u>	<u>121.25</u>
<u>mud clean 12 bbl @ 41.09</u>	<u>493.08</u>
	@
<u>Whitman (2) (2) @ 619.00</u>	<u>1238.00</u>
	@
HANDLING <u>208 # @ 2.48</u>	<u>515.84</u>
MILEAGE <u>7.76 to and 2.9 mix 2.75</u>	<u>426.80</u>
TOTAL	

REMARKS:
Drop ball, pumped through @ 300 #
Cure 1 hr, mix 12 bbl mud clean,
mix 30 sks in R.H., mix 135 sks ASC,
washing pump & lines into pit, release
plug, displace w/ water, plug did land
@ 1300 # lift pressure 800 #
float did hold
Thank you!
Paul + crew

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

SERVICE	
DEPTH OF JOB <u>4530'</u>	
PUMP TRUCK CHARGE <u>2765.75</u>	
EXTRA FOOTAGE @	
MILEAGE <u>mi HV 20 @ 7.70</u>	<u>154.00</u>
MANIFOLD <u>Flat Head @</u>	<u>475.00</u>
<u>mi LV 20 @ 4.40</u>	<u>88.00</u>
	@
<u>(1225.09 / 25%)</u>	<u>TOTAL 4901.59</u>

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL	

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

PRINTED NAME Doug Roberts
 SIGNATURE Doug Roberts

SALES TAX (if Any) 4
 TOTAL CHARGES 11071.50
 DISCOUNT 2,774.37 (25%) IF PAID IN 30 DAYS
8,323.05 net



PO Box 93999
Southlake, TX 76092

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

INVOICE

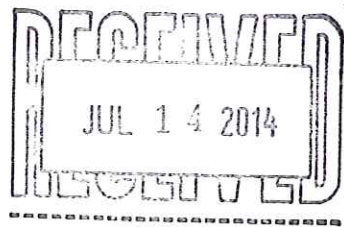
Invoice Number: 144197
Invoice Date: Jul 3, 2014
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Shak	63348	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 3, 2014	8/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ottley #4 6-14		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
329.00	CEMENT MATERIALS	Gel	1.05	345.45
494.00	CEMENT MATERIALS	Chloride	1.10	543.40
189.24	CEMENT SERVICE	Cubic Feet Charge	2.48	469.32
190.08	CEMENT SERVICE	Ton Mileage Charge	2.75	522.72
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
22.00	CEMENT SERVICE	Pump Truck Mileage	7.70	169.40
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
22.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	96.80
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

INT



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

\$ 1,766.71

ONLY IF PAID ON OR BEFORE Aug 2, 2014

Subtotal	7,066.84
Sales Tax	307.63
Total Invoice Amount	7,374.47
Payment/Credit Applied	
TOTAL	7,374.47

10502-5
KW
DW

ALLIED OIL & GAS SERVICES, LLC

16450
499
063348329

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dallas TX

DATE <u>7/3/14</u>	SEC. <u>14</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30</u>	JOB FINISH <u>2:00</u>
LEASE <u>0716</u>	WELL # <u>0714</u>	LOCATION <u>Dallas 5 to Tughawk 1E</u>				COUNTY <u>Logan</u>	STATE <u>TX</u>
OLD OR NEW (Circle one)		<u>1/2 N W 1/4</u>					

CONTRACTOR HO 2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 3/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 16.11

OWNER Same
 CEMENT
 AMOUNT ORDERED 175 ton 3700 cc
20 gyl
 COMMON 175 @ 12.90 2132.50
 POZMIX @
 GBL 329 @ 1.05 345.45
 CHLORIDE 494 @ 1.10 543.40
 ASC @

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 # 281 HELPER Kevin Ryan
 BULK TRUCK
 # 818 DRIVER Enrique (TOS)
 BULK TRUCK
 # DRIVER

Material total 4201.35
(125) 33 (253)
 HANDLING 189 @ 2.48 469.32
 MILEAGE 22 @ 8.64 190.88
 TOTAL 522.22

REMARKS:

Ren. Cap. Calculate, complexity, Displace
Cement. Structure.
Cement Add (Cement)
Thank You
Alan, Kevin, Enrique

CHARGE TO: Shelbourn
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 MILEAGE 22 @ 7.20 158.40
 MANIFOLD @
Water Well 22 @ 4.40 96.80
(161.31/253) TOTAL 3,015.19

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 1,066.84
 DISCOUNT 1,766.11 (253) IF PAID IN 30 DAYS
5,300.13 Net.

PRINTED NAME Brad Roberts
 SIGNATURE Brad Roberts



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57030

DST#: 1

ATTN: Tim Priest

Test Start: 2014.07.10 @ 01:18:00

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 04:49:00

Time Test Ended: 08:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 3845.00 ft (KB) To 3870.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 3870.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 25.53 psig @ 3846.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.10

End Date: 2014.07.10

Last Calib.: 2014.07.10

Start Time: 01:18:15

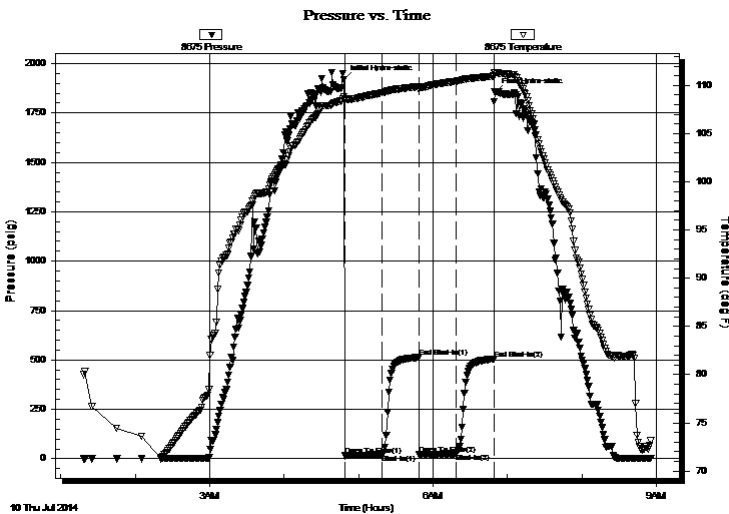
End Time: 08:55:30

Time On Btm: 2014.07.10 @ 04:48:00

Time Off Btm: 2014.07.10 @ 06:49:30

TEST COMMENT: Built to 1/2" blow
No return blow
No blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.98	108.82	Initial Hydro-static
1	15.36	108.45	Open To Flow (1)
31	20.33	109.24	Shut-In(1)
61	512.97	109.88	End Shut-In(1)
61	20.73	109.53	Open To Flow (2)
91	25.53	110.43	Shut-In(2)
121	505.11	110.95	End Shut-In(2)
122	1855.77	111.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud w ith oil spots	0.33

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57030

DST#: 1

ATTN: Tim Priest

Test Start: 2014.07.10 @ 01:18:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud w ith oil spots	0.333

Total Length: 30.00 ft Total Volume: 0.333 bbl

Num Fluid Samples: 0

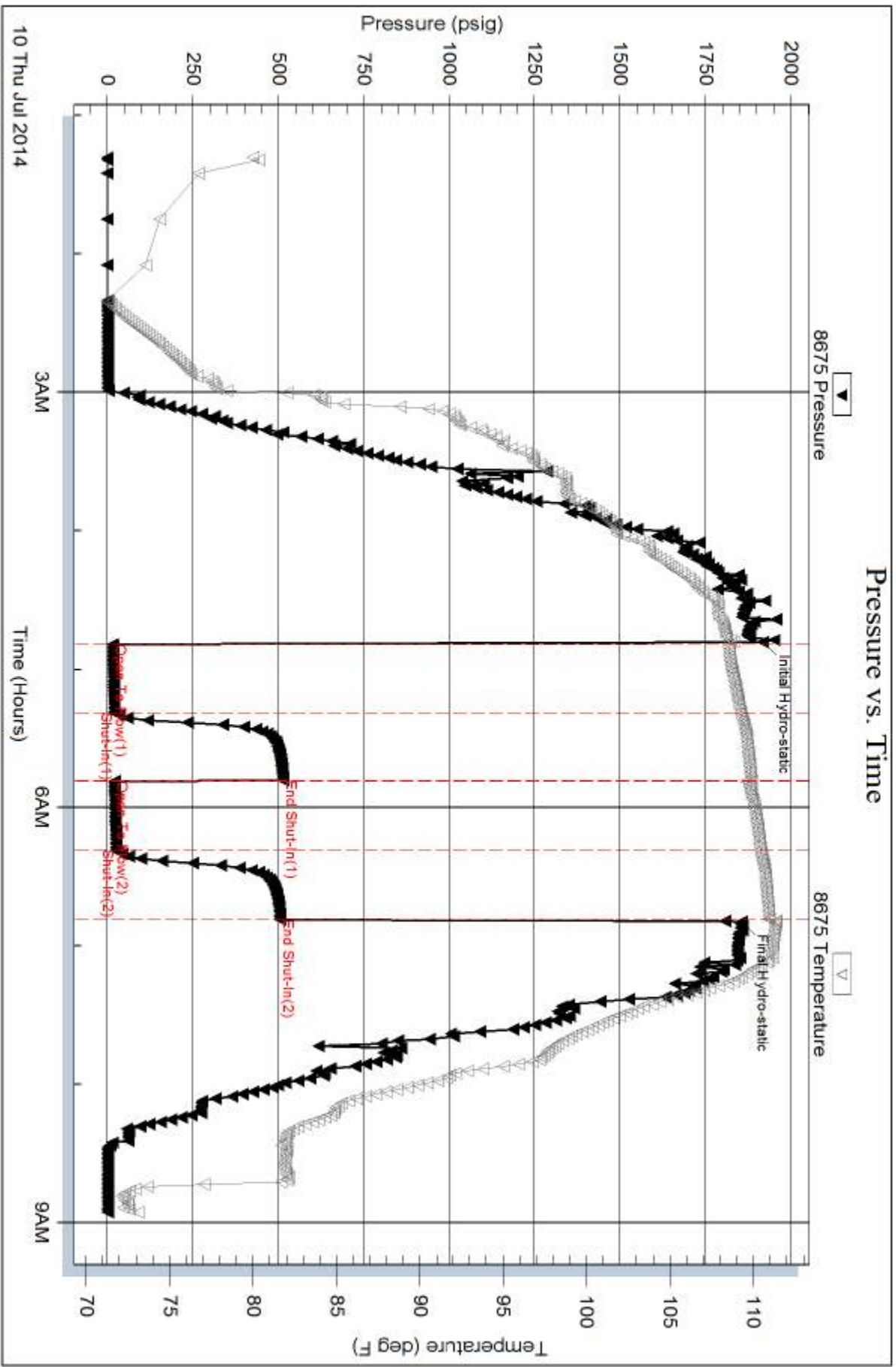
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57031

DST#: 2

ATTN: Tim Priest

Test Start: 2014.07.10 @ 18:00:00

GENERAL INFORMATION:

Formation: **Kansas City "D"**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 20:33:30

Time Test Ended: 02:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 3891.00 ft (KB) To 3916.00 ft (KB) (TVD)

Total Depth: 3916.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2818.00 ft (KB)

2808.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 145.56 psig @ 3892.00 ft (KB)

Start Date: 2014.07.10

End Date:

2014.07.11

Start Time: 18:00:15

End Time:

02:21:00

Capacity: 8000.00 psig

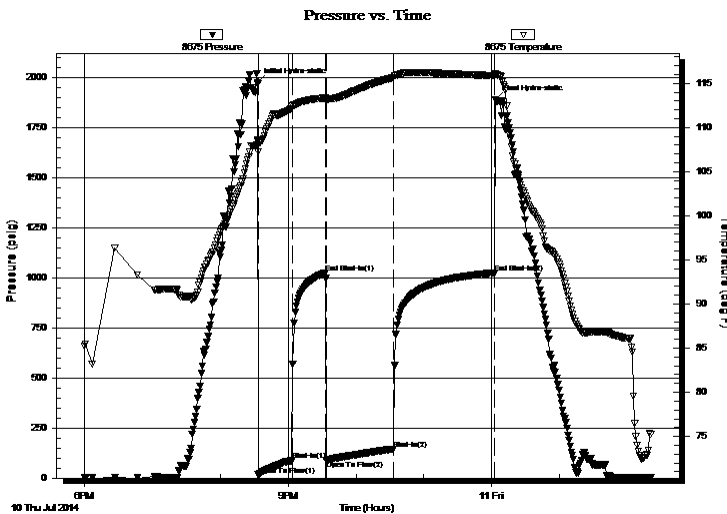
Last Calib.: 2014.07.11

Time On Btm: 2014.07.10 @ 20:32:45

Time Off Btm: 2014.07.11 @ 00:03:15

TEST COMMENT: Built to 6 1/2" blow
Bled off for 5 min. No return blow
Built to 10" blow
Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.65	108.48	Initial Hydro-static
1	16.26	107.22	Open To Flow (1)
31	87.32	112.18	Shut-In(1)
61	1024.74	113.35	End Shut-In(1)
61	89.64	112.97	Open To Flow (2)
121	145.56	115.66	Shut-In(2)
210	1024.29	115.88	End Shut-In(2)
211	1887.61	116.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
177.00	100% Water	2.05
111.00	mcw with oil scum 30%M 70%W	1.56

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 Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57031

DST#: 2

ATTN: Tim Priest

Test Start: 2014.07.10 @ 18:00:00

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: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
177.00	100% Water	2.054
111.00	mcw with oil scum 30%M 70%W	1.557

Total Length: 288.00 ft Total Volume: 3.611 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .18 @ 70 F = 40,000

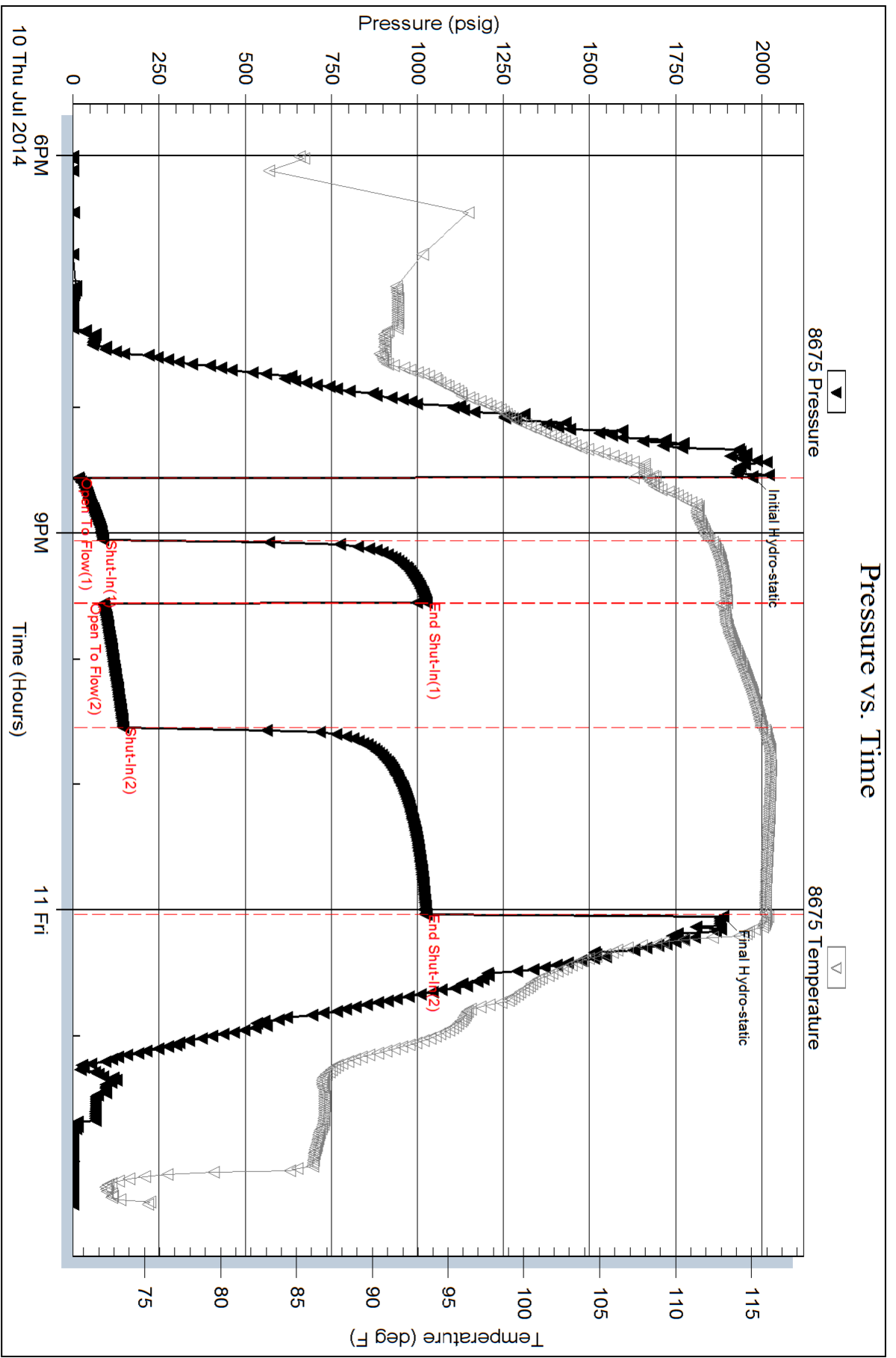
Serial #: 8675

Inside

Shakespeare Oil Company, Inc

Ottley #8-14

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 57031

Printed: 2014.07.11 @ 06:56:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57032

DST#: 3

ATTN: Tim Priest

Test Start: 2014.07.11 @ 18:40:00

GENERAL INFORMATION:

Formation: **Kansas City "H" Zone**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 20:46:30

Time Test Ended: 02:08:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 3974.00 ft (KB) To 4010.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4010.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 176.89 psig @ 3975.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.11

End Date:

2014.07.12

Last Calib.:

2014.07.12

Start Time: 18:40:15

End Time:

02:08:30

Time On Btm:

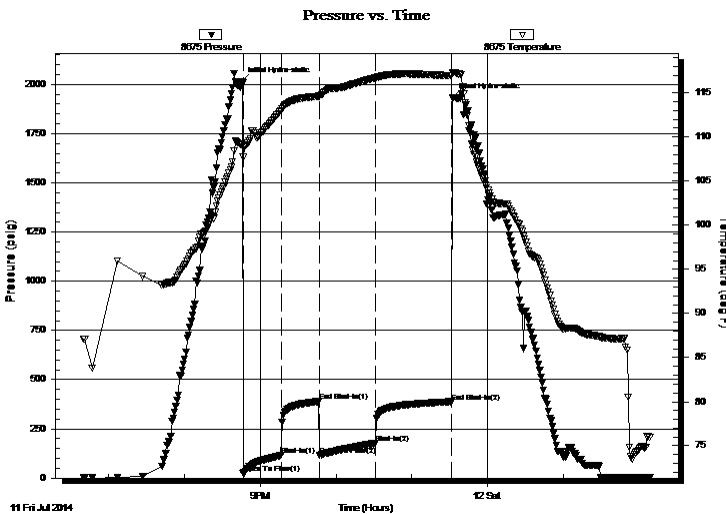
2014.07.11 @ 20:45:30

Time Off Btm:

2014.07.11 @ 23:32:00

TEST COMMENT: B.O.B. in 26 min.
Bled off for 5 min. No return blow
B.O.B. in 43 min.
Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.64	109.16	Initial Hydro-static
1	23.21	107.69	Open To Flow (1)
31	114.79	113.04	Shut-In(1)
61	389.03	114.63	End Shut-In(1)
62	116.78	114.57	Open To Flow (2)
106	176.89	116.70	Shut-In(2)
166	387.96	116.93	End Shut-In(2)
167	1932.23	117.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
238.00	100% Water	2.91
92.00	mcw 50%M 50%W	1.29

* 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 Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57032

DST#: 3

ATTN: Tim Priest

Test Start: 2014.07.11 @ 18:40:00

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:

42000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
238.00	100% Water	2.909
92.00	mcw 50%M 50%W	1.291

Total Length: 330.00 ft Total Volume: 4.200 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .18 @ 75 F = 42,000

Serial #: 8675

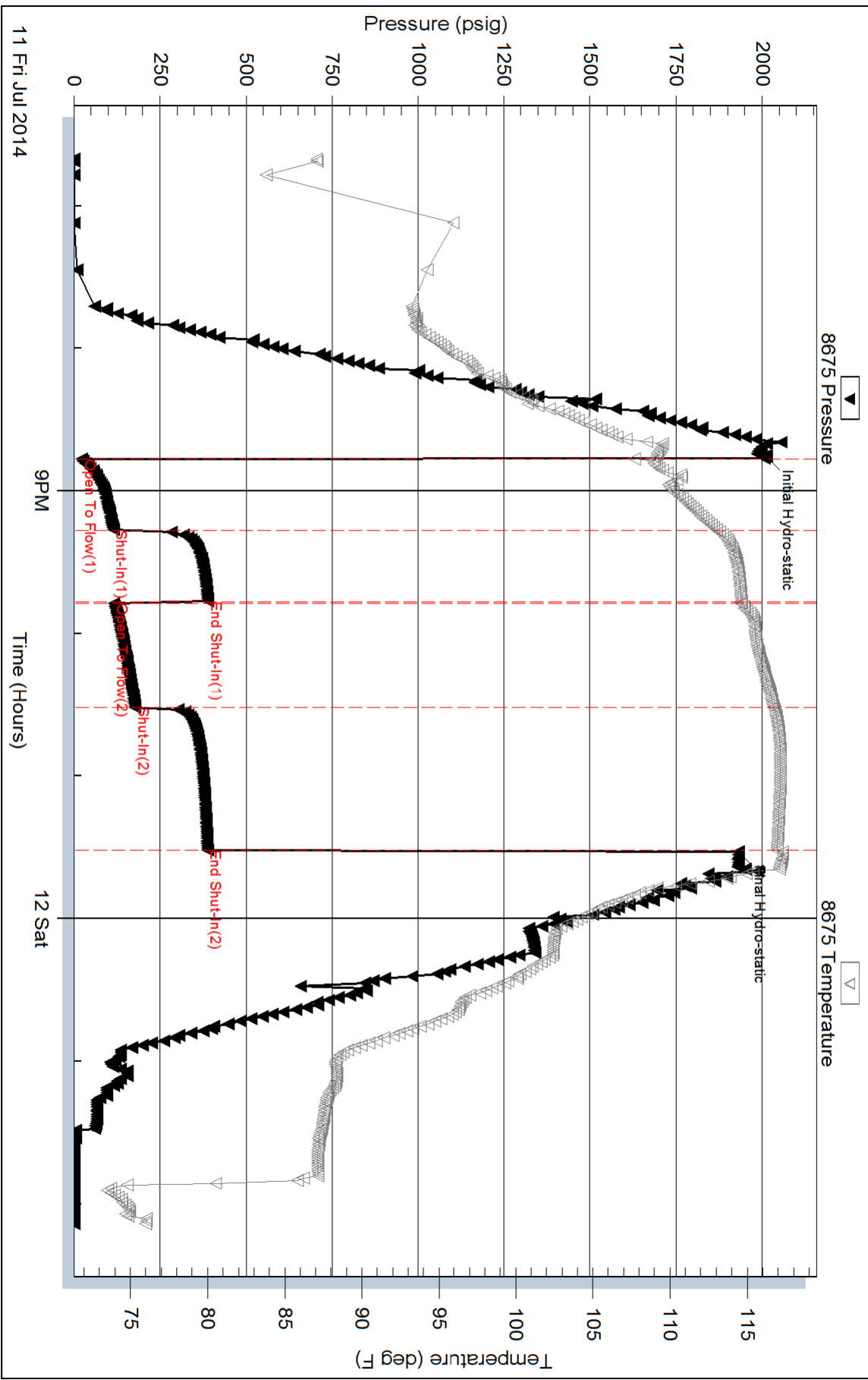
Inside

Shakespeare Oil Company, Inc

Ottley #6-14

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57032

Printed: 2014.07.12 @ 06:47:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57033

DST#: 4

ATTN: Tim Priest

Test Start: 2014.07.12 @ 20:30:00

GENERAL INFORMATION:

Formation: **Kansas City "L" Zone**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 22:40:30

Time Test Ended: 02:44:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4099.00 ft (KB) To 4135.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4135.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 18.80 psig @ 4100.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.12

End Date:

2014.07.13

Last Calib.:

2014.07.13

Start Time: 20:30:15

End Time:

02:44:30

Time On Btm:

2014.07.12 @ 22:40:00

Time Off Btm:

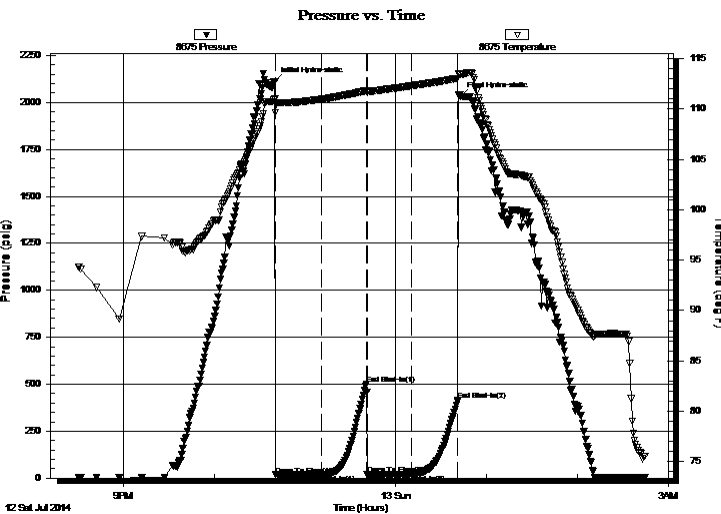
2014.07.13 @ 00:42:45

TEST COMMENT: Surface blow , died in 23 min

No return blow

No blow

No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.50	111.02	Initial Hydro-static
1	16.99	109.65	Open To Flow (1)
31	18.57	110.99	Shut-In(1)
61	501.84	111.83	End Shut-In(1)
61	18.34	111.64	Open To Flow (2)
91	18.80	112.31	Shut-In(2)
121	412.55	113.06	End Shut-In(2)
123	2033.32	113.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.06

* 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 Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57033

DST#: 4

ATTN: Tim Priest

Test Start: 2014.07.12 @ 20:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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 bbl
5.00	100% Mud	0.055

Total Length: 5.00 ft Total Volume: 0.055 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

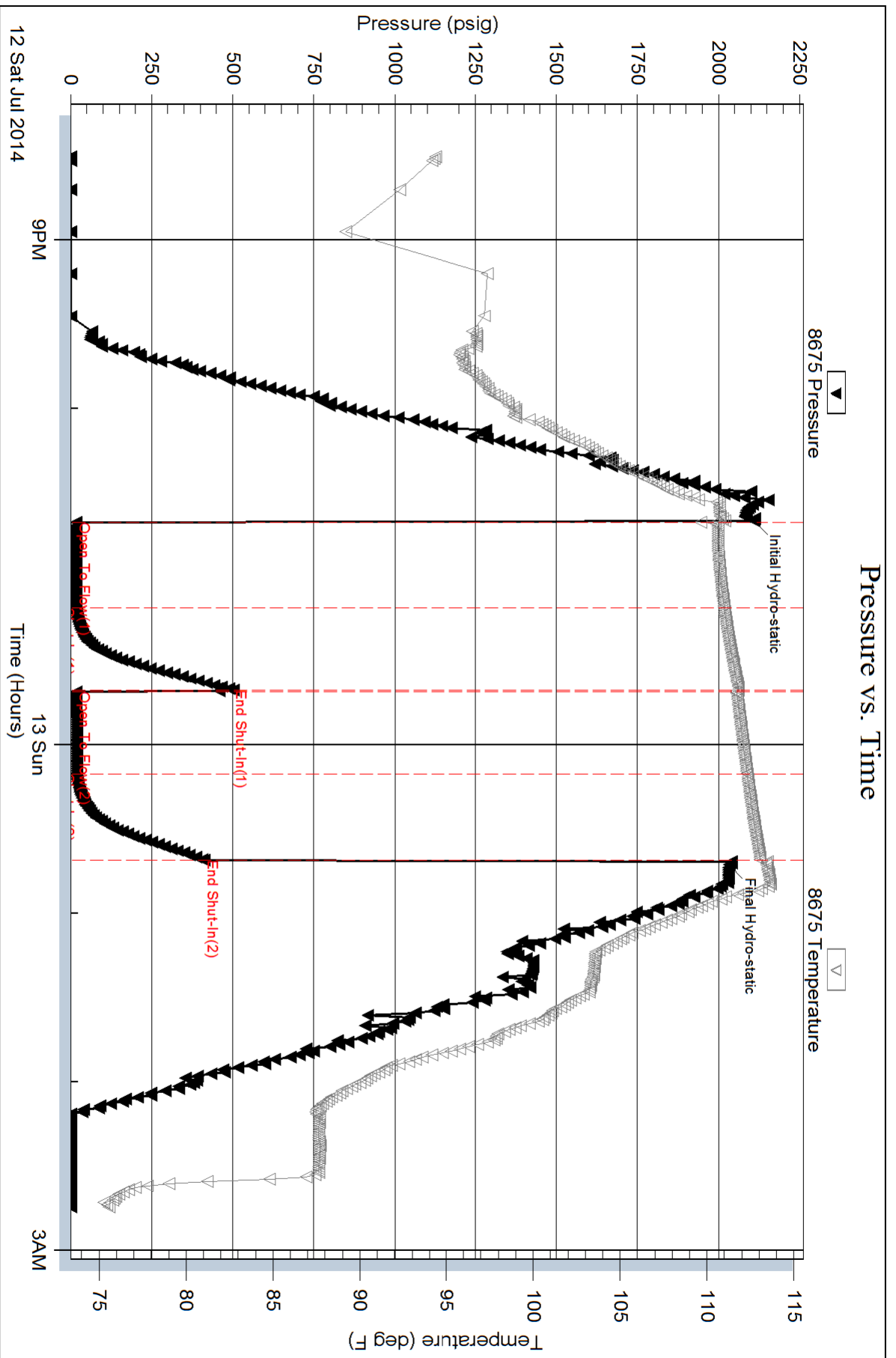
Serial #: 8675

Inside

Shakespeare Oil Company, Inc

Ottley #6-14

DST Test Number: 4





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57034

DST#: 5

ATTN: Tim Priest

Test Start: 2014.07.14 @ 00:15:00

GENERAL INFORMATION:

Formation: **Marmaton - Pawnee**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 03:24:30

Time Test Ended: 08:40:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4240.00 ft (KB) To 4295.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 193.86 psig @ 4241.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.14

End Date:

2014.07.14

Last Calib.:

2014.07.14

Start Time: 00:15:15

End Time:

08:40:16

Time On Btm:

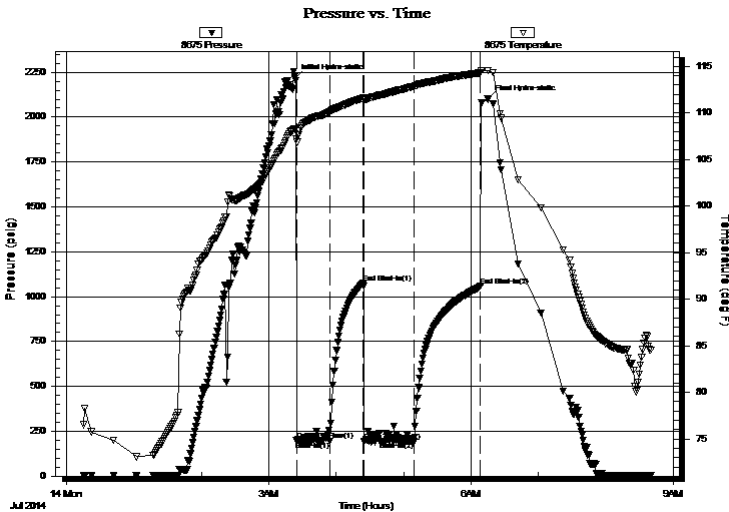
2014.07.14 @ 03:23:00

Time Off Btm:

2014.07.14 @ 06:14:53

TEST COMMENT: Built to 1" blow
No return blow
Weak surface, died in 25 min
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2215.37	108.31	Initial Hydro-static
2	197.66	107.21	Open To Flow (1)
31	193.97	110.12	Shut-In(1)
61	1074.22	111.58	End Shut-In(1)
62	194.59	111.38	Open To Flow (2)
106	193.86	112.85	Shut-In(2)
166	1057.71	114.32	End Shut-In(2)
172	2099.54	114.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Thick Heavy Mud 100%	3.78

* 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 Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57034

DST#: 5

ATTN: Tim Priest

Test Start: 2014.07.14 @ 00:15:00

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: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Thick Heavy Mud 100%	3.779

Total Length: 300.00 ft Total Volume: 3.779 bbl

Num Fluid Samples: 0

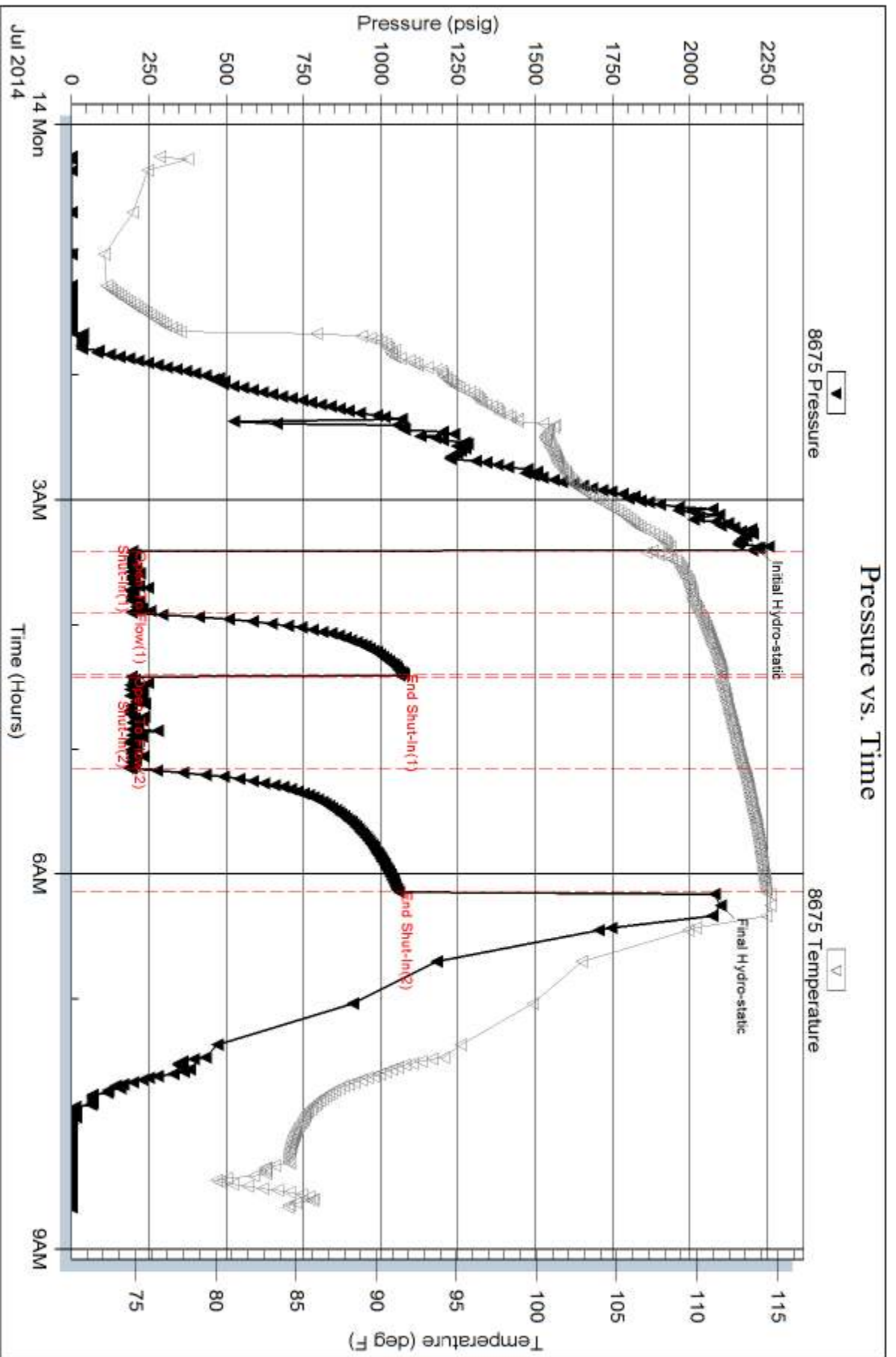
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57035

DST#: 6

ATTN: Tim Priest

Test Start: 2014.07.15 @ 03:40:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened: 07:34:00

Time Test Ended: 14:06:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4302.00 ft (KB) To 4325.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4325.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 322.78 psig @ 4303.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.15

End Date:

2014.07.15

Last Calib.:

2014.07.15

Start Time: 03:40:15

End Time:

14:06:00

Time On Btm:

2014.07.15 @ 07:33:45

Time Off Btm:

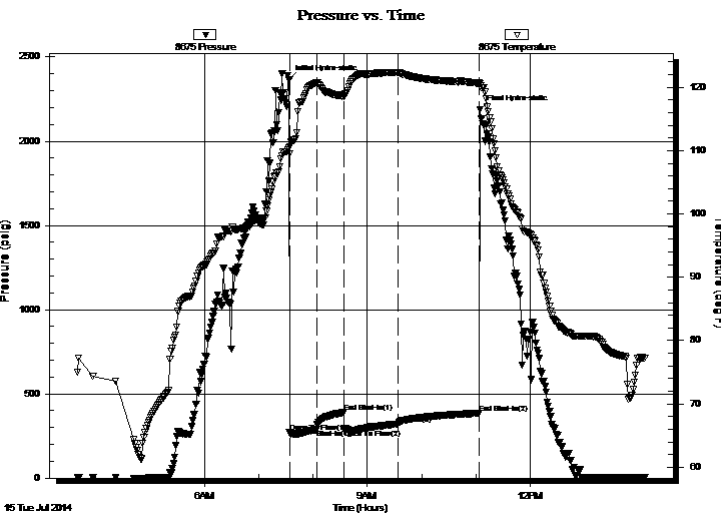
2014.07.15 @ 11:04:30

TEST COMMENT: B.O.B. in 24 min.

Bled off for 5 min. No return blow

B.O.B. in 28 min.

Bled off for 5 min. No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.02	110.49	Initial Hydro-static
1	269.40	109.48	Open To Flow (1)
31	288.05	120.72	Shut-In(1)
61	389.62	118.49	End Shut-In(1)
61	292.42	118.47	Open To Flow (2)
121	322.78	122.33	Shut-In(2)
210	385.91	120.65	End Shut-In(2)
211	2186.69	120.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
177.00	mcw 40%M 60%W	2.05
183.00	100%Mud	2.57
245.00	w cgm 5%W 10%G 85%M	3.44
0.00	105 Feet Gas In Pipe	0.00
0.00	Hit a bridge again same one	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57035

DST#: 6

ATTN: Tim Priest

Test Start: 2014.07.15 @ 03:40:00

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:

48000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
177.00	mcw 40%M 60%W	2.054
183.00	100%Mud	2.567
245.00	w cgm 5%W 10%G 85%M	3.437
0.00	105 Feet Gas In Pipe	0.000
0.00	Hit a bridge again same one	0.000

Total Length: 605.00 ft Total Volume: 8.058 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .15 @ 70 F = 48,000

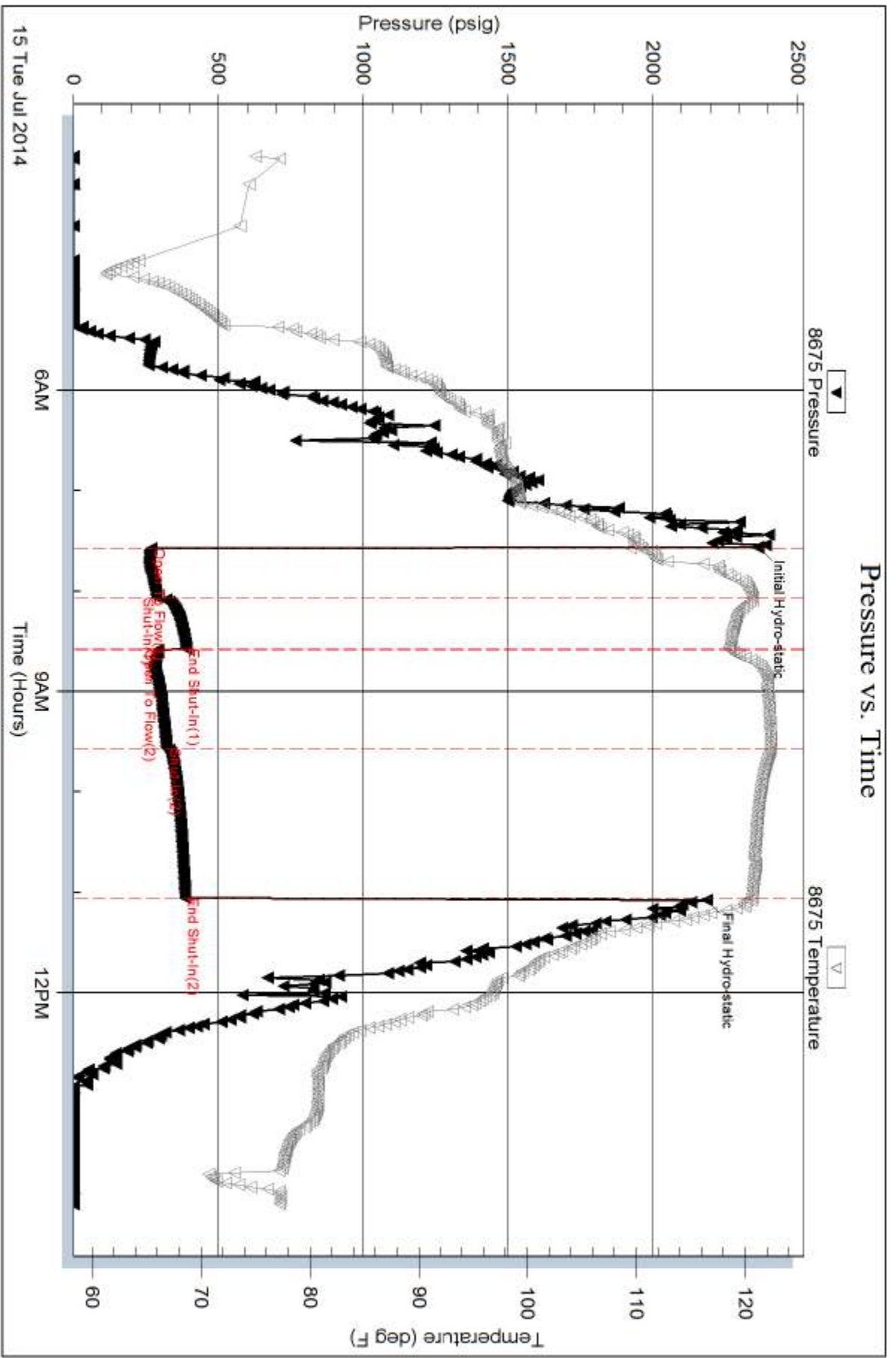
Serial #: 8675

Inside

Shakespeare Oil Company, Inc

Otley #6-14

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 57035

Printed: 2014.07.15 @ 15:05:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57036

DST#: 7

ATTN: Tim Priest

Test Start: 2014.07.16 @ 00:30:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: 42.00 ft (KB)

Time Tool Opened:

Time Test Ended: 04:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4327.00 ft (KB) To 4355.00 ft (KB) (TVD)

Reference Elevations: 2818.00 ft (KB)

Total Depth: 4355.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675 **Inside**

Press@RunDepth: psig @ 4328.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.16

End Date: 2014.07.16

Last Calib.: 2014.07.16

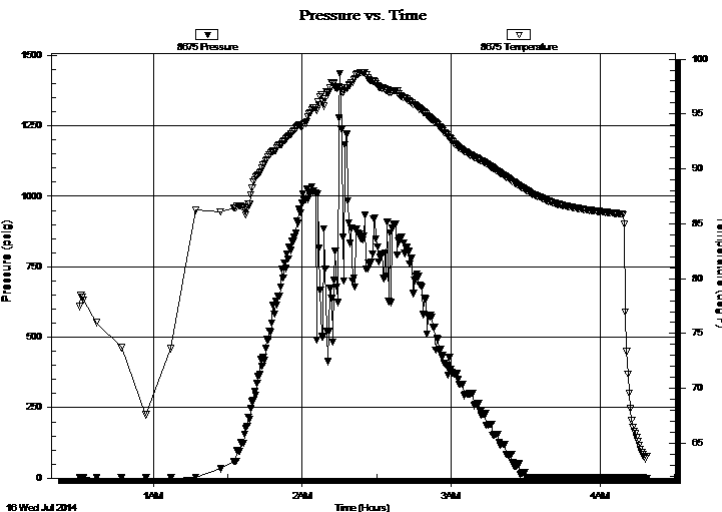
Start Time: 00:30:15

End Time: 04:18:45

Time On Btm:

Time Off Btm:

TEST COMMENT: Hit same bridge from dst 5 and open tool going to come out and drill it down and log. The hydro stand open and took on mud out of the hole



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
970.00	100% Mud	13.18

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 Company, Inc

14-14s-32w Logan Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Ottley #6-14

Job Ticket: 57036

DST#: 7

ATTN: Tim Priest

Test Start: 2014.07.16 @ 00:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 57.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
970.00	100% Mud	13.177

Total Length: 970.00 ft Total Volume: 13.177 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

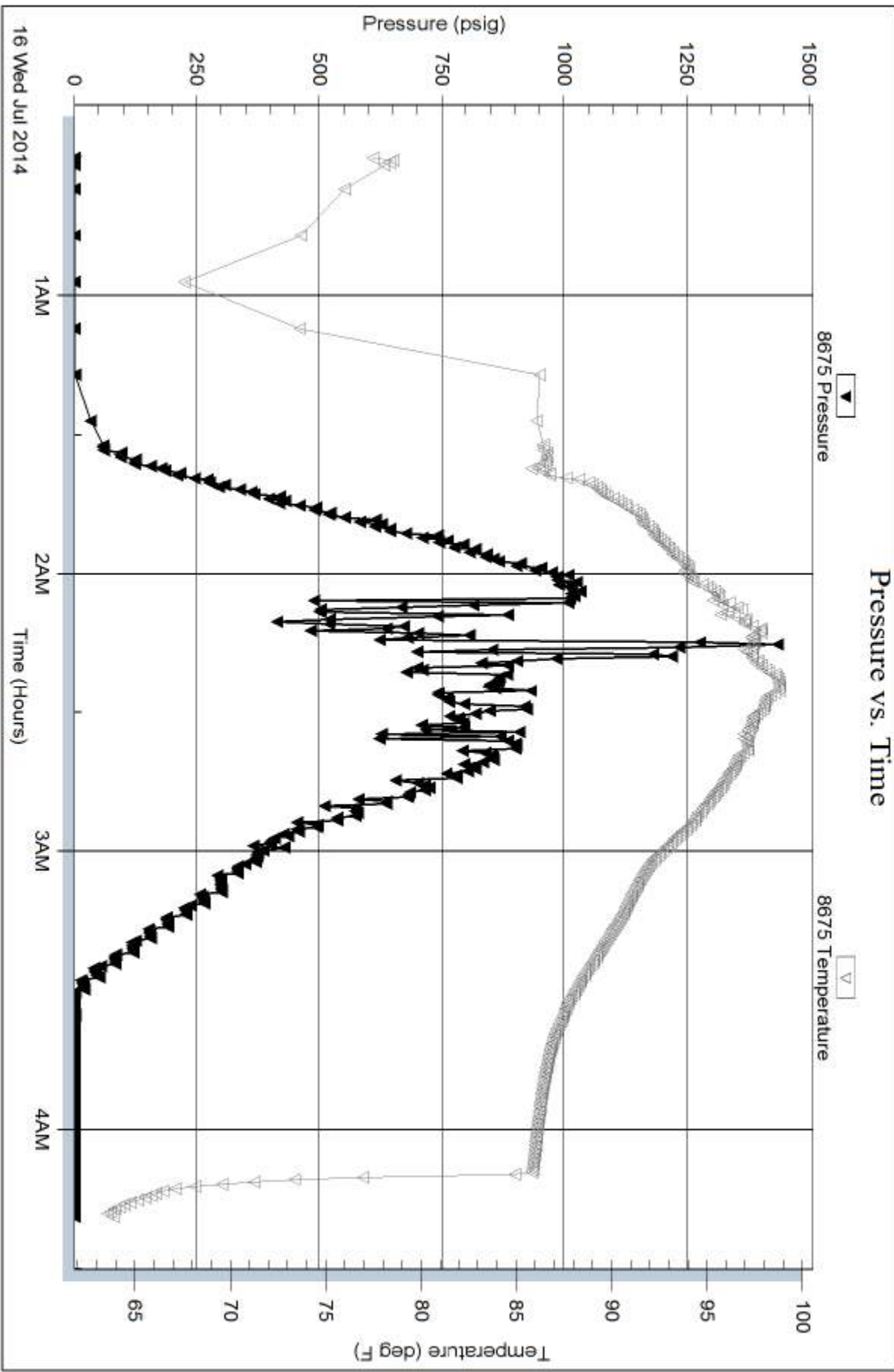
Serial #: 8675

Inside

Shakespeare Oil Company, Inc

Otley #6-14

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 57036

Printed: 2014.07.16 @ 08:08:46

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: SHAKESPARE OIL CO.
LEASE: Oakley-6-14
FIELD: Chalk Buttes
LOCATION: 1920' FWL, 1600' FEL
SEC: 14 T1MSP 14S R0E 32W
COUNTY: Logan STATE: Kansas
CONTRACTOR: HD Drilling Rig #2
SPUD: 7-3-14 **COMP:** 7-17-14
RTD: 4:53:00 **LTD:** 4:52:27
MUD UP: 3:50:00 **TYPE MUD:** Chemical
SAMPLES SAVED FROM: 3600' to RTD
DRILLING TIME KEPT FROM: 3600' to RTD
SAMPLES EXAMINED FROM: 3600' to RTD
GEOLOGICAL SUPERVISION FROM: 3700' to RTD
GEOLOGIST ON WELL: Tim Priest
By: Weatherford
FORMATION TOPS: ELECTRIC LOG **SAMPLE**
Anyhydrite: 2270 (+530) **2270 (+548)**
Heebner: 3784 (-966) **3787 (-969)**
Lansing: 3822 (-1008) **3826 (-1004)**
SARC: 4069 (-1248) **4069 (-1251)**
B/K.C.: 4146 (-1328) **4148 (-1330)**
Fort Scott: 4328 (-1513) **4331 (-1510)**
Cherokee Shale: 4358 (-1538) **4358 (-1540)**
Mississippian: 4452 (-1634) **4454 (-1636)**

ELEVATIONS
KB: 2818'
DF:
GL: 2808'
Measurements Are All From KB

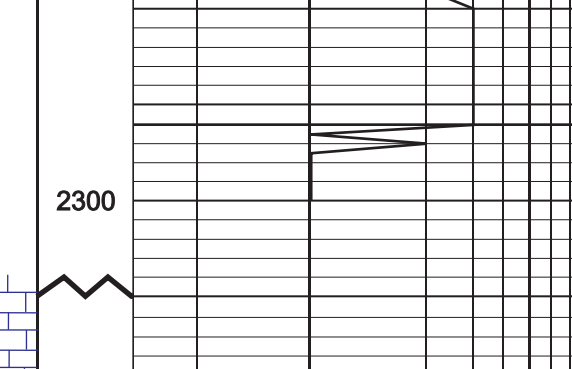
CASINGS
CONDUCTION: N/A
SURFACE: 8-5/8" @ 264'
PRODUCTION: 5 1/2" @ 4530'

REMARKS: Due to the log calculations it was decided to set production casing to further test the well.

Respectfully Submitted,
Tim Priest
 Petroleum Geologist

API #15-109-21305-00-00

LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT (Rate of Penetration Decreases)	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2270				Anhydrite 2270(+548)
2292				Base/ Anhydrite 2292(+526)
3600-3700			Ls crm-lt gry, fn xtl, fos, f int xtl por, NS Ls crm-gry, fn xtl, dnse Sh blk, carb Ls crm-gry, fn xtl, fos, w/int bed gry silty Sh Sh grn-gry Ls crm-lt gry, fn xtl, fos, f int xtl por, NS Ls crm-gry, fn xtl, dnse Ls crm-gry, fn xtl, dnse Sh blk, carb Ls crm, fn xtl, fos, p-f int xtl por NS Sh grn-gry Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS Ls crm, fn xtl, fos, p int xtl por, NS	Heebner 3787 (-969) Toronto 3806 (-988) Lansing 3826 (-1008) DST #1 (3845'-3870') 30'-30'-40'-260' FF: Built to 10 in, no return FF: No blow, no return Rec: 30 OSM Fps: 15-20W/21-26# SIPs: 5130/5150# HSPs: 1916/1856# BHT: 112 deg F Pipe strap @ 3870 was 1.21' long to board. DST #2 (3891'-3916') 30'-30'-45'-60' FF: Built to 10 in, no return FF: No blow, no return Rec: 288 MW w/return of oil Fps: 16-87/90-148# SIPs: 1025/1024# HSPs: 1973/1888# BHT: 114 deg F Ls crm-lt gry, vfn xtl, sli chy, dnse Sh grn-gry Ls crm-lt gry, fos, f int xtl-pp por w/few vugs, sptd-sat lt stn, SFO, f odor, f-bri fluor Ls crm-lt gry, vfn xtl, dnse, w/ abund red Sh Ls crm-lt gry, fn xtl, fos, sli chy, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull fluor Sh red-maroon Sh red-grn-gry Ls crm-lt gry, vfn xtl, sli chy, dnse Ls crm-gry, vfn xtl, sli fos, sli chy, dnse Sh grn-gry Ls gry, vfn xtl, dnse Sh blk, carb Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull-f fluor Sh grn-gry Ls lt gry, fn xtl, fos, sli chy, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull fluor Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Sh gry-dk gry Sh gry-dk gry Ls crm-lan-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SFO, f odor, dull-f fluor Sh grn-gry, calc in prt Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull-f fluor Ls crm-lt gry, vfn xtl, dnse
3700-3800				Muncie Creek 3977 (-1159) DST #3 (3974'-4010') 30'-30'-45'-60' FF: BOB 28", no return FF: BOB 42", no return Rec: 330 MW Fps: 23-15W/117-177# SIPs: 3806/3808# HSPs: 2013/1832# BHT: 117 deg F Sh blk, carb Sh gry-dk gry Sh gry-dk gry Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Sh gry, calc Ls crm-lt gry, fn xtl, dnse Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull fluor Ls crm-lt gry, fn xtl, dnse Sh blk, carb Ls crm-lt gry, fn xtl, dnse Sh blk, carb Ls crm-lt gry, fn xtl, dnse Sh grn-gry Ls crm-lan-lt gry, vfn xtl, dnse Sh grn-gry Ls crm, fn xtl, fos, chky, p int xtl por, NS Sh var col Sh var col, w/ silts & vfn grm SS, NS
3800-3900				Stark 4069 (-1251) Hushpuckney 4102 (-1284) DST #4 (4099'-4135') 30'-30'-30'-30' FF: Died in 23", no return FF: No blow, no return Rec: 5 Mud Fps: 17-19W/18-19# SIPs: 5028/413# HSPs: 2111/6203# BHT: 112 deg F Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Ls crm-lt gry, vfn xtl, dnse Sh grn-gry Ls crm, fn xtl, fos, chky, p int xtl por, NS Sh var col Sh var col, w/ silts & vfn grm SS, NS Ls crm-lt gry, vfn xtl, chy, dnse Sh blk, carb Ls lt gry, fn xtl, fos, p-f int xtl-pp por sptd stn on few pcs, VSSFO, sli odor, dull fluor Ls crm-lan, fn xtl, arg in prt, chy, no vis por Sh grn-gry Ls crm-lan, vfn xtl, sli chy, dnse Sh grn-gry-red Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, fn xtl, fos-sli ool chy, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull fluor Ls crm-lt gry, fn xtl, fos-sli ool, chy, p-f int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull fluor Sh blk, carb Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull fluor Ls lt gry-tan-gry, vfn xtl, dnse Sh blk, carb Ls tan-brn, vfn xtl, dnse Ls crm-lt gry-gry, fn xtl, fos, sli chy, f int xtl & pp por, sptd-sli sat stn, SFO, f odor, dull-f fluor Sh blk, carb Ls crm-lt gry, fn xtl, fos, sli chy, f int xtl & pp por, sptd-sli sat stn, SFO, f odor, dull-f fluor Sh blk, carb Ls tan-gry, vfn xtl, dnse, w/blk Sh Ls tan-gry, vfn xtl, dnse Sh grn-gry Ls crm-lan-gry, fn xtl, fos, p-f int xtl & pp-vug por, sptd-sat dk stn, SFO, f odor, dull fluor Ls crm-lt gry, mic xtl, dnse Ls crm-lan-gry, fn xtl, fos, p-f int xtl & pp-vug por, sptd-sat dk stn, SFO, f odor, dull fluor Sh var col, w/lt gry, fn grm SS, sli fra, NS SS clear-lt gry, fn-med gm, fra w/loose grms, sptd-sat stn, SFO, f odor, dull-f fluor Ls crm-lan, vfn xtl, chy, dnse Ls tan, mic xtl, dnse Ls crm, fn xtl, sandy, sli chy, dnse Ls crm, mic xtl, dnse Ls crm-lt gry, vfn xtl, sli chy, dnse Ls crm-lan, mic xtl, dnse Ls crm-lt gry, vfn xtl, sli sandy, dnse
3900-4000				Fort Scott 4331 (-1513) DST #7 (4327'-4355') 30'-30'-30'-30' FF: Hit bridge and tool opened, Decided to drill hole and log Cherokee Shale 4358 (-1540) Johnson Zone 4399 (-1581) Mississippian 4454 (-1636) Total Depth 4530' (-1712)