



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1105212
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: _____



1105212

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	Campbell 3-8
Doc ID	1105212

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Campbell 3-8
Doc ID	1105212

Tops

Name	Top	Datum
Base Anhydrite	2498	+490
Heebner	3935	-947
Lansing	3981	-993
Muncie Creek	4128	-1140
Stark Shale	4210	-1222
Hushpuckney	4244	-1256
Pawnee	4412	-1424
Cherokee Shale	4497	-1509
Johnson	4541	-1553
Mississippian	4602	-1614



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

ATTN: Tim Priest

Job Ticket: 49923

DST#: 1

Test Start: 2012.12.06 @ 20:18:00

GENERAL INFORMATION:

Formation: **LKC " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:40

Time Test Ended: 04:10:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 4159.00 ft (KB) To 4190.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 26.87 psig @ 4162.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.06

End Date:

2012.12.07

Last Calib.: 2012.12.07

Start Time: 20:18:00

End Time:

04:10:24

Time On Btm: 2012.12.06 @ 23:20:25

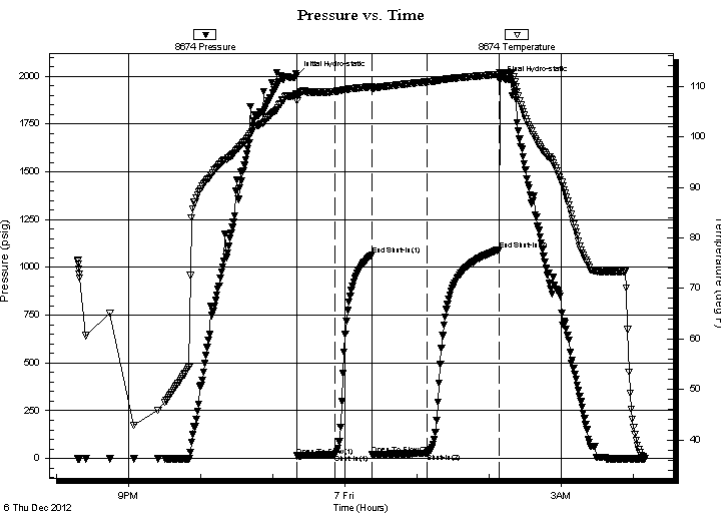
Time Off Btm: 2012.12.07 @ 02:09:09

TEST COMMENT: IF- Weak Surface Blow Built to 1 3/4"

IS- No Blow

FF- Weak Surface Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.08	108.53	Initial Hydro-static
1	13.65	107.20	Open To Flow (1)
32	19.94	108.94	Shut-In(1)
63	1064.16	109.93	End Shut-In(1)
63	21.48	109.45	Open To Flow (2)
109	26.87	110.86	Shut-In(2)
169	1093.35	112.34	End Shut-In(2)
169	1978.98	112.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 3%oil 97%m	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

Job Ticket: 49923

DST#: 1

ATTN: Tim Priest

Test Start: 2012.12.06 @ 20:18:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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
50.00	OCM 3%oil 97%m	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8674

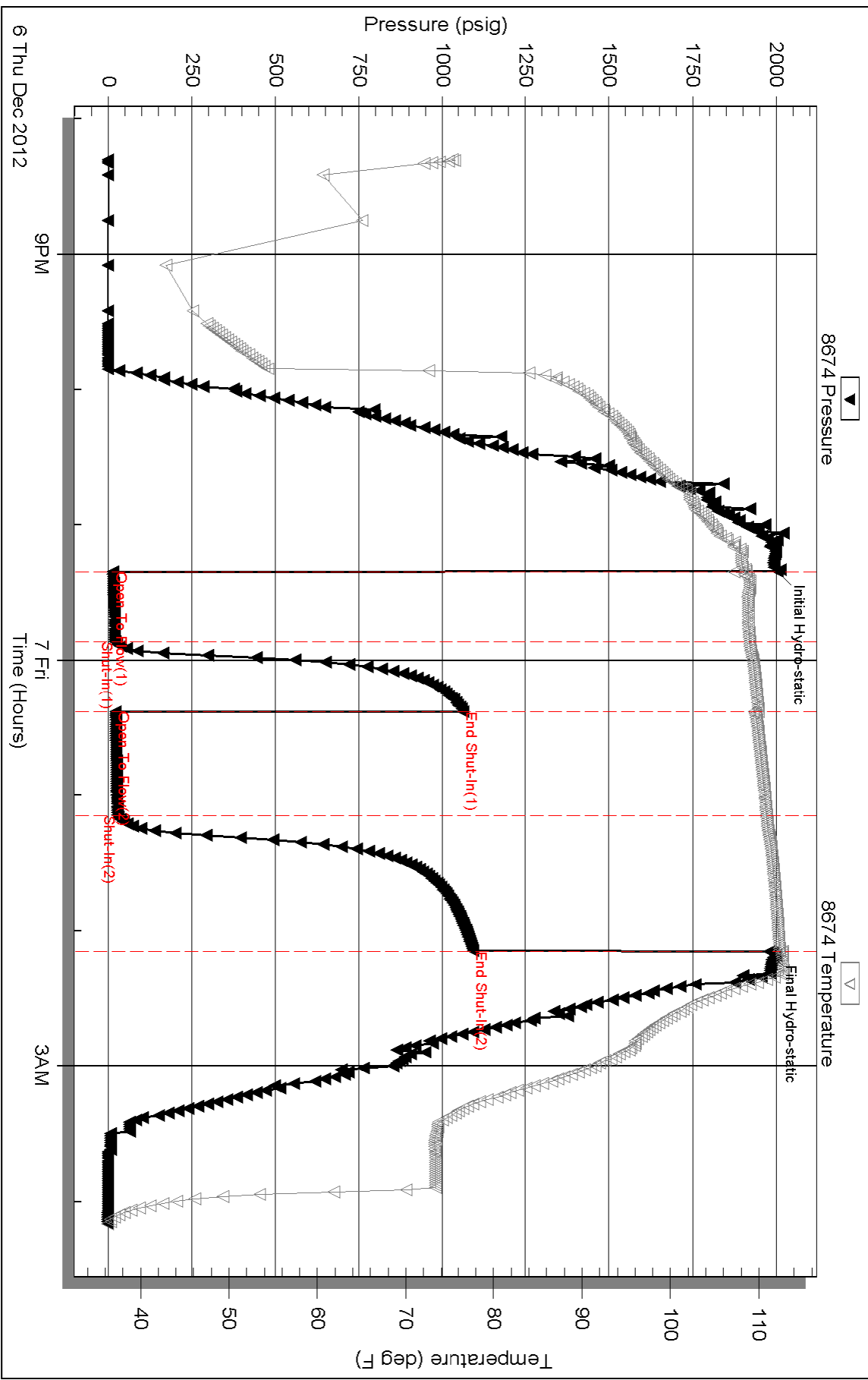
Inside

Shakespeare Oil Co. Inc

Campbell # 3-8

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

ATTN: Tim Priest

Job Ticket: 49924

DST#: 2

Test Start: 2012.12.07 @ 12:06:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:39:40

Time Test Ended: 18:24:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4190.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 22.24 psig @ 4192.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.07

End Date:

2012.12.07

Last Calib.:

2012.12.07

Start Time:

12:06:00

End Time:

18:24:39

Time On Btm:

2012.12.07 @ 13:39:10

Time Off Btm:

2012.12.07 @ 16:25:09

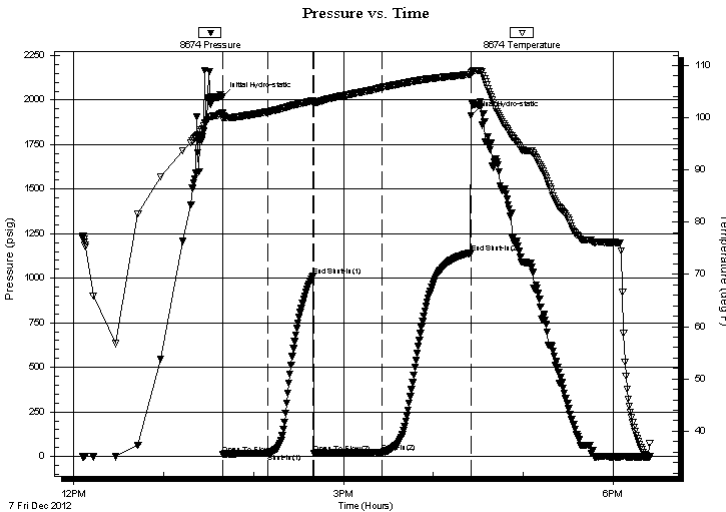
TEST COMMENT: IF- Weak Surface Blow 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 1/2"

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.34	100.89	Initial Hydro-static
1	13.00	100.33	Open To Flow (1)
31	16.42	101.16	Shut-In(1)
61	1012.05	103.23	End Shut-In(1)
61	18.14	102.91	Open To Flow (2)
107	22.24	105.85	Shut-In(2)
166	1142.34	108.32	End Shut-In(2)
166	1910.83	108.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 5%oil 95% m	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

Job Ticket: 49924

DST#: 2

ATTN: Tim Priest

Test Start: 2012.12.07 @ 12:06:00

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: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 5%oil 95%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

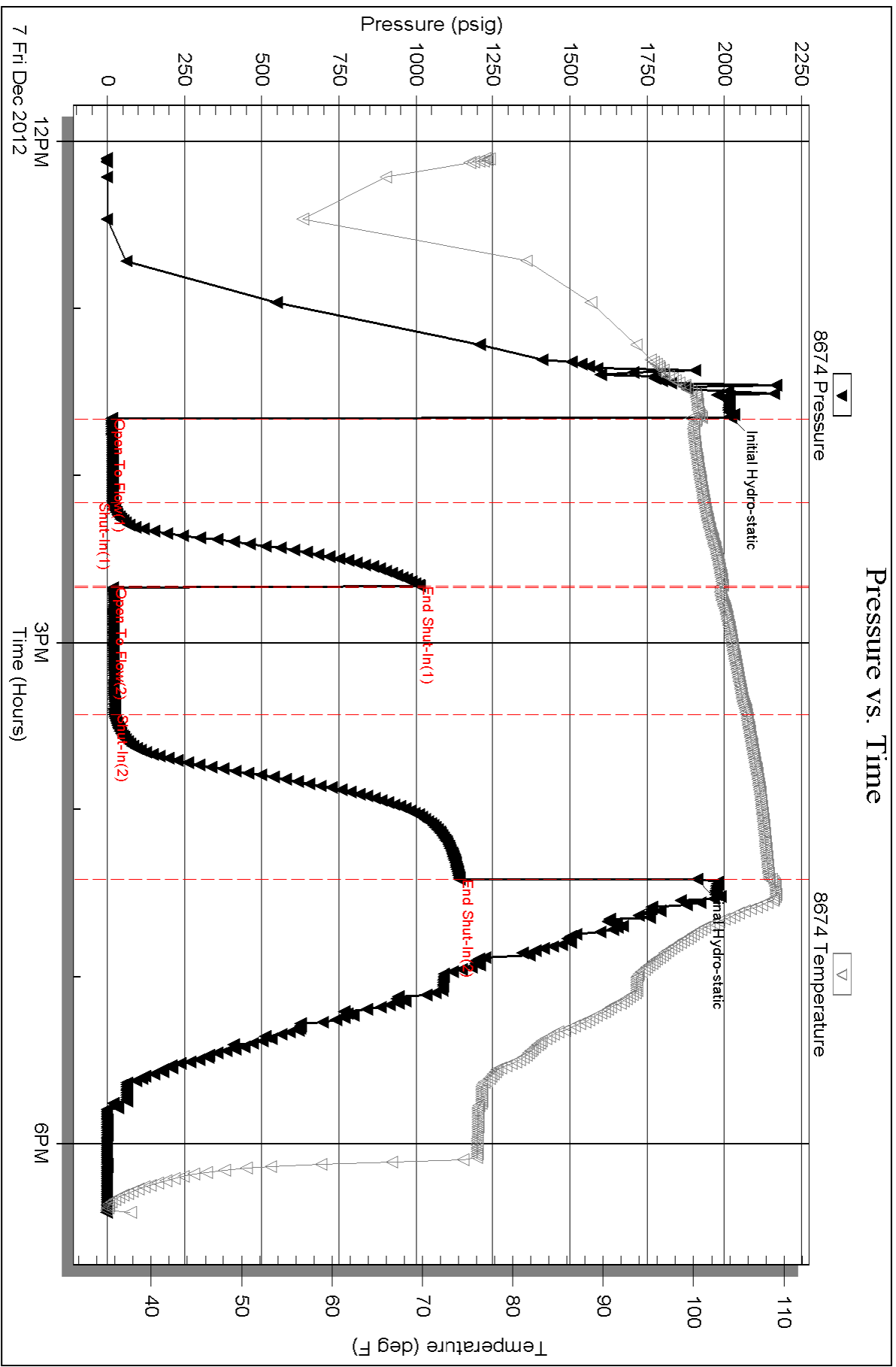
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Campbell # 3-8

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

ATTN: Tim Priest

Job Ticket: 49925

DST#: 3

Test Start: 2012.12.08 @ 02:42:00

GENERAL INFORMATION:

Formation: **LKC " K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:50:40

Time Test Ended: 09:37:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4210.00 ft (KB) To 4235.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4235.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 20.04 psig @ 4212.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.08

End Date:

2012.12.08

Last Calib.:

2012.12.08

Start Time: 02:42:00

End Time:

09:37:39

Time On Btm:

2012.12.08 @ 04:50:25

Time Off Btm:

2012.12.08 @ 07:51:39

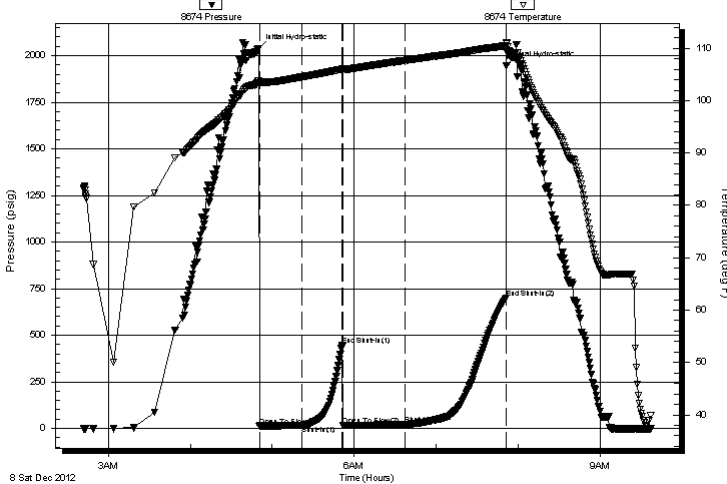
TEST COMMENT: IF- Weak Surface Blow 1/2"

IS- No Blow

FF- Weak Surface Blow

FS- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.53	103.79	Initial Hydro-static
1	12.30	103.01	Open To Flow (1)
31	15.52	104.51	Shut-In(1)
61	446.59	106.01	End Shut-In(1)
62	17.38	105.75	Open To Flow (2)
108	20.04	107.67	Shut-In(2)
181	701.30	110.47	End Shut-In(2)
182	1945.33	111.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m with Skim of Oil on Top	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

Job Ticket: 49925

DST#: 3

ATTN: Tim Priest

Test Start: 2012.12.08 @ 02:42:00

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: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% m with Skim of Oil on Top	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

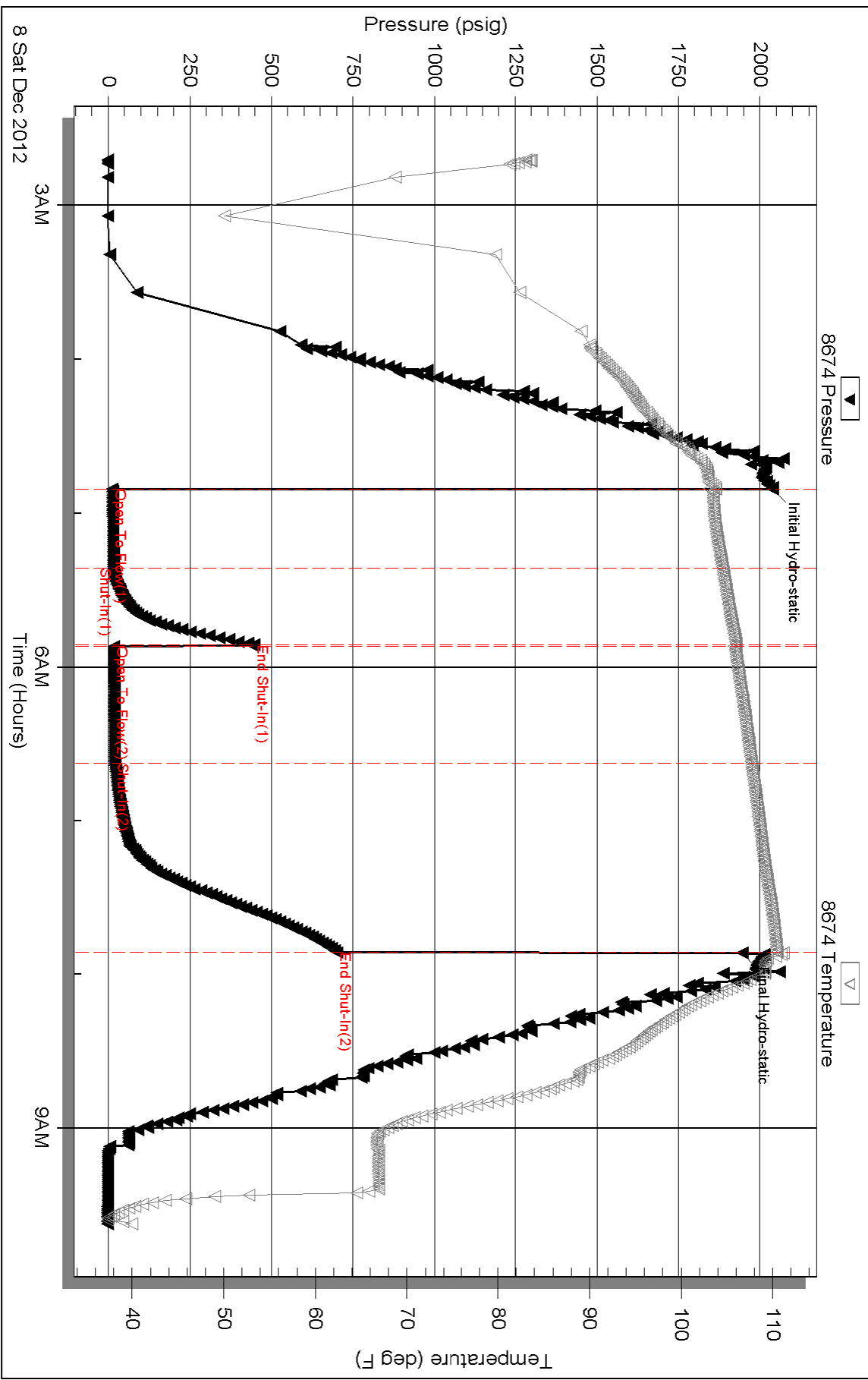
Inside

Shakespeare Oil Co. Inc

Campbell # 3-8

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49925

Printed: 2012.12.08 @ 23:11:59



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

ATTN: Tim Priest

Job Ticket: 49977

DST#: 4

Test Start: 2012.12.09 @ 02:56:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:12:55

Time Test Ended: 10:31:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4318.00 ft (KB) To 4350.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 37.99 psig @ 4322.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.09 End Date: 2012.12.09

Last Calib.: 2012.12.09

Start Time: 02:56:00 End Time: 10:31:09

Time On Btm: 2012.12.09 @ 05:12:25

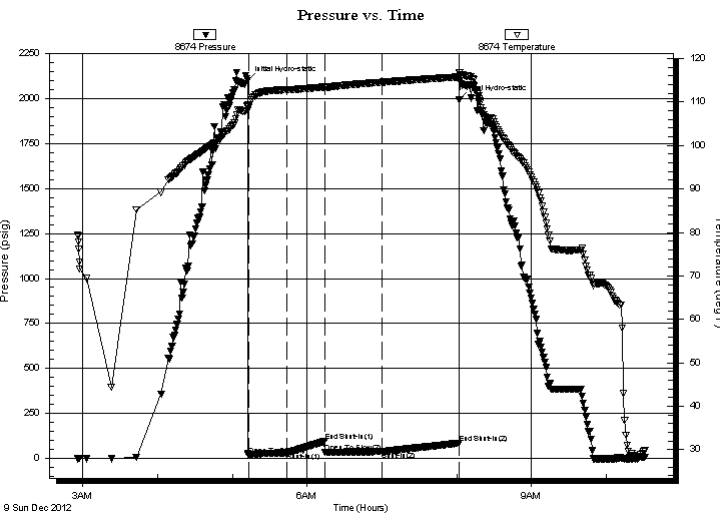
Time Off Btm: 2012.12.09 @ 08:02:09

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

IS- No Blow

FF- No Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.68	109.29	Initial Hydro-static
1	19.29	108.80	Open To Flow (1)
32	31.87	112.80	Shut-In(1)
62	94.80	113.45	End Shut-In(1)
62	33.50	113.41	Open To Flow (2)
108	37.99	114.54	Shut-In(2)
170	85.74	115.77	End Shut-In(2)
170	1994.38	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	WCM 18%w 82%v Few Oil Spots in Tool	0.20

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

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

Job Ticket: 49977

DST#: 4

ATTN: Tim Priest

Test Start: 2012.12.09 @ 02:56:00

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:

70000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	WCM 18%w 82%m Few Oil Spots in Tool	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .270 @ 28f = 70000

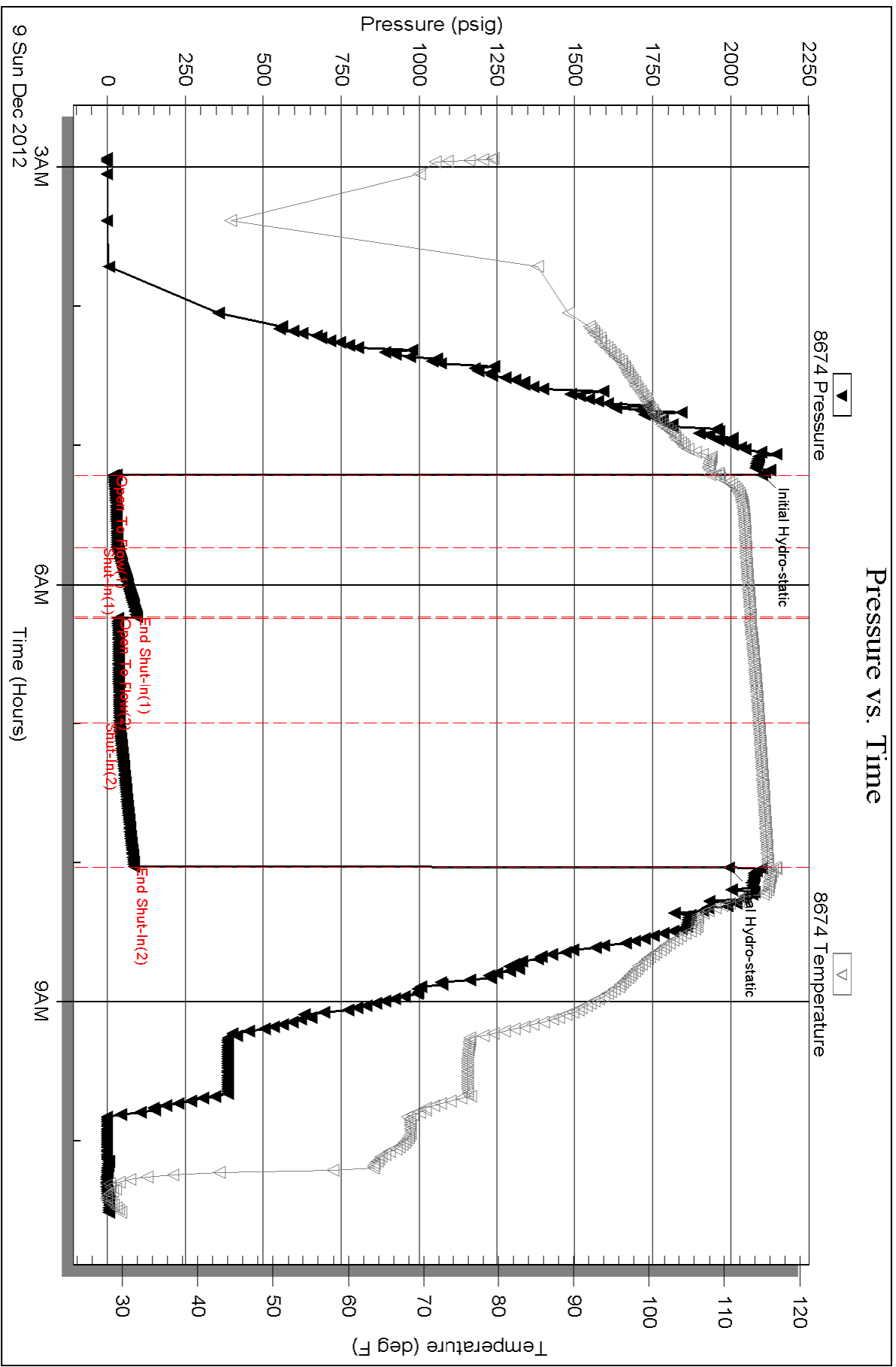
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Campbell # 3-8

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

ATTN: Tim Priest

Job Ticket: 49978

DST#: 5

Test Start: 2012.12.10 @ 16:32:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:22:25

Time Test Ended: 22:51:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4537.00 ft (KB) To 4568.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 22.66 psig @ 4540.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.10

End Date:

2012.12.10

Last Calib.:

2012.12.10

Start Time: 16:32:00

End Time:

22:51:09

Time On Btm:

2012.12.10 @ 18:22:10

Time Off Btm:

2012.12.10 @ 20:26:55

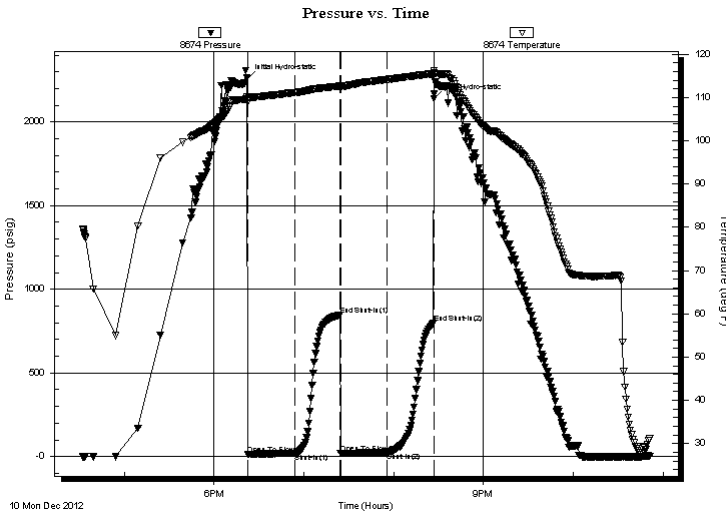
TEST COMMENT: IF- Weak Surface Blow 3/4"

IS- No Blow

FF- No Blow

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.66	110.24	Initial Hydro-static
1	12.67	108.77	Open To Flow (1)
32	17.89	111.15	Shut-In(1)
62	845.66	112.66	End Shut-In(1)
63	19.37	112.21	Open To Flow (2)
93	22.66	114.16	Shut-In(2)
125	797.16	115.48	End Shut-In(2)
125	2141.22	116.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% m with Skim of Oil on Top	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

8-13s-32w Logan KS

202 W Main St
Salem IL 62881

Campbell # 3-8

Job Ticket: 49978

DST#: 5

ATTN: Tim Priest

Test Start: 2012.12.10 @ 16:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% m with Skim of Oil on Top	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

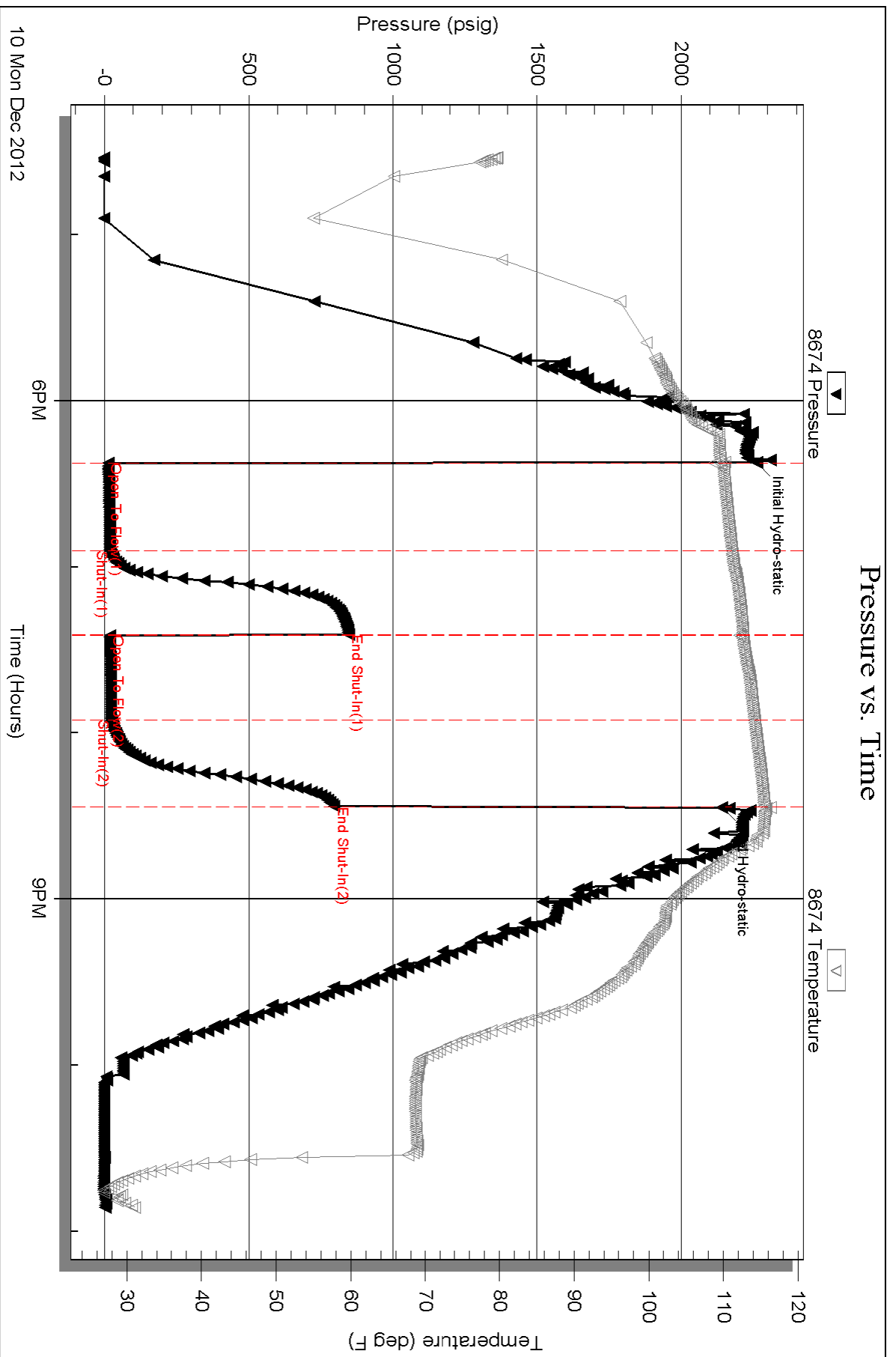
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Campbell # 3-8

DST Test Number: 5





PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 133811

Invoice Date: Nov 30, 2012

Page: 1



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Campbell #3-8	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Nov 30, 2012	12/30/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	17.90	2,685.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
162.09	SER	Cubic Feet	2.48	401.98
148.00	SER	Ton Mileage	2.60	384.80
1.00	SER	Surface	1,512.25	1,512.25
20.00	SER	Pump Truck Mileage	7.70	154.00
20.00	SER	Light Vehicle Mileage	4.40	88.00
1.00	CEMENTER	Dustin Chambers		
1.00	EQUIP OPER	Kevin Eddy		
1.00	OPER ASSIST	Alan Genereux		

INT



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

\$ 1291.73

ONLY IF PAID ON OR BEFORE

Dec 25, 2012

Subtotal	5,616.23
Sales Tax	239.87
Total Invoice Amount	5,856.10
Payment/Credit Applied	
TOTAL	5,856.10

DW

ALLIED OIL & GAS SERVICES, LLC 059133

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>11/30/12</u>	SEC. <u>21</u>	TWP. <u>15</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>3:00 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:00</u>
LEASE <u>Campbell</u>	WELL # <u>3-B</u>	LOCATION <u>Oakley 115 3w Ls 1E</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>SIX</u>			

CONTRACTOR MD Drilling #72 OWNER _____

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>4 1/2</u>	DEPTH <u>225.75</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS.	
DISPLACEMENT <u>13.42 bbls Freshwater</u>	

CEMENT AMOUNT ORDERED 150 sks Class A

3/1 cc 2 1/2 gal

EQUIPMENT

PUMP TRUCK # <u>366</u>	CEMENTER <u>Dennis Chambers</u>	HELPER <u>Kevin Eddy</u>
BULK TRUCK # <u>341</u>	DRIVER <u>Alma Emeroux</u>	
BULK TRUCK # _____	DRIVER _____	

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.70</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.92</u>	@ <u>2.48</u>	<u>401.28</u>
MILEAGE	<u>7.4 x 20x</u>	<u>2.60</u>	<u>387.80</u>
			<u>3,861.98</u>

REMARKS:

Break circulation with Big Mud
pump 5 bbls freshwater ahead
mix 150 sks Class A 3/1 cc 2 1/2 gal
Displace 13.42 bbls freshwater water in
General Aid circuit hole
plug down 7:15 AM
Big Mud

CHARGE TO: Shakespeare Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

11/8

SERVICE

DEPTH OF JOB	<u>225</u>
PUMP TRUCK CHARGE	<u>1512.35</u>
EXTRA FOOTAGE	@
MILEAGE <u>Hum</u>	<u>20</u> @ <u>7.70</u> <u>154.00</u>
MANIFOLD	@
<u>Hum</u>	<u>20</u> @ <u>4.40</u> <u>88.00</u>
	@

TOTAL 1,754.35

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 Al Dous Roberts

SIGNATURE Al Dous Roberts

Thank You!!

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

SALES TAX (If Any) 239.96

TOTAL CHARGES 5,616.33

DISCOUNT 23% 1,291.73

IF PAID IN 30 DAYS 4,324.50



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 134027
Invoice Date: Dec 12, 2012
Page: 1



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Campbell #3-8	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 12, 2012	1/11/13

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	17.90	2,201.70
82.00	MAT	Pozmix	9.35	766.70
7.00	MAT	Gel	23.40	163.80
51.00	MAT	Flo Seal	2.97	151.47
220.17	SER	Cubic Feet	2.48	546.02
137.85	SER	Ton Mileage	2.60	358.41
1.00	SER	Plug to Abandon	2,483.59	2,483.59
15.00	SER	Pump Truck Mileage	7.70	115.50
15.00	SER	Light Vehicle Mileage	4.40	66.00
1.00	EQP	4.5	107.64	107.64
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Paul Beaver		
1.00	OPER ASSIST	Kevin Ryan		

INT

10522-17



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

\$ 2227.46

ONLY IF PAID ON OR BEFORE
Jan 6, 2013

Subtotal	6,960.83
Sales Tax	542.94
Total Invoice Amount	7,503.77
Payment/Credit Applied	
TOTAL	7,503.77

DW

ALLIED OIL & GAS SERVICES, LLC 058854

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Dakley, KS

DATE <u>12-12-12</u>	SEC. <u>8</u>	TWP. <u>13</u>	RANOR <u>32</u>	CALLED OUT	ON LOCATION <u>6:30am</u>	JOB START <u>10:30am</u>	JOB FINISH <u>11:00am</u>
WELL # <u>3-8</u>		LOCATION <u>Dakley, KS</u>		COUNTY <u>Logan</u>		STATE <u>KS</u>	
D.I.D. OR NEW (Circle one)				<u>115, 3W, 1S, Emph</u>			

CONTRACTOR H.O #2
 TYPE OF JOB PTA
 JOB SIZE 2 1/2 T.D. 4280
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 2470'
 TOOL _____ DEPTH _____
 RES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOJOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 31.85 bbl
 EQUIPMENT _____

PUMP TRUCK CEMENTER Lokene Dente
431 HELPER Paul Beaver
 BULK TRUCK DRIVER Kevin Ryan
1396/326
 BULK TRUCK DRIVER _____

OWNER Sakre

COMMENT
 AMOUNT ORDERED 300 sks 60/40 4 1/2 gal
14 # Flo-seal

COMMON	<u>123 sks @ 12.70</u>	<u>2261.70</u>
POZMIX	<u>82 sks @ 9.55</u>	<u>766.70</u>
GEL	<u>7 # sks @ 23.40</u>	<u>163.80</u>
CHLORIDIB	@	
ASC	@	
<u>Flo-seal 51 # @ 2.97</u>		<u>151.47</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>220.77 s/s</u>	<u>@ 2.48</u>	<u>546.02</u>
MILEAGE <u>9.19 hr @ 15 x</u>	<u>3.60</u>	<u>358.41</u>
		<u>137.85</u>
TOTAL		<u>4188.10</u>

REMARKS:
mix 25 sks at 2470'
mix 100 sks at 1450'
mix 40 sks at 220'
mix 10 sks at 40' w/wooden plug
plug R.H. 30 sks

Thank you

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

SERVICE

DEPTH OF JOB <u>2470'</u>		
PUMP TRUCK CHARGE		<u>2483.59</u>
EXTRA FOOTAGE @		
MILEAGE <u>41.40 15 @ 2.70</u>		<u>115.50</u>
MANIFOLD @		
<u>41.40 15 @ 4.90</u>		<u>66.90</u>
@		
TOTAL		<u>2665.09</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.

PLUG & FLOAT EQUIPMENT

<u>wooden plug @</u>		<u>107.64</u>
@		
@		
@		
@		
TOTAL		<u>107.64</u>

PRINTED NAME Doug Roberts
 SIGNATURE Doug Roberts

SALES TAX (If Any) 542.94
 TOTAL CHARGES 6960.83
 DISCOUNT 2227.46 IF PAID IN 30 DAYS
4733.37
3270

TIM PRIEST
Petroleum Geologist
(316)-213-6115

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY SHAKESPEARE OIL CO.
LEASE Campbell 3-8
FIELD Wildcat
LOCATION 450' FNL, 1760' FEL
SEC 8 TWSP 13S RGE 32W
COUNTY Logan STATE Kansas

ELEVATIONS

KB 2988'

DF _____

GL 2978'

Measurements Are All
From KB

CONTRACTOR HD DrillingRig #2
SPUD 11-29-12 COMP 12-12-12
RTD 4680' LTD 4680'
MUD UP 3500' TYPE MUD Chemical

CASING

CONDUCTOR N/A

SURFACE 8-5/8" @ 218'

PRODUCTION None

SAMPLES SAVED FROM 3850' to RTD
DRILLING TIME KEPT FROM 3800' to RTD
SAMPLES EXAMINED FROM 3850' to RTD
GEOLOGICAL SUPERVISION FROM 3800' to RTD
GEOLOGIST ON WELL Tim Priest

**ELECTRICAL
SURVEYS**

CND;D/SP;P.E.

Micro

By: Weatherford

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2477 (+511)	2477 (+511)
Heebner Shale	3935 (-947)	3937 (-949)
Lansing	3981 (-993)	3982 (-994)
Stark	4210 (-1222)	4212 (-1224)
BKC	4284 (-1296)	4284 (-1296)
Fort Scott	4466 (-1480)	4466 (-1480)
Cherokee Shale	4497 (-1509)	4498 (-1510)
Mississippian	4602 (-1614)	4603 (-1615)

		8	

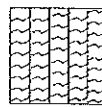
REMARKS Due to the negative results of DSTs it was decided to plug and abandon the well.

Respectfully Submitted,

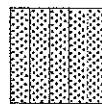
Tim Priest
Petroleum Geologist

API #15-109-21094-00-00

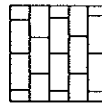
LEGEND



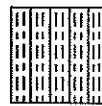
Anhydrite



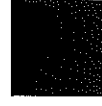
Sandstone



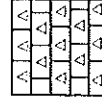
Limestone



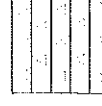
Shale



Carb Sh



Cherty LS



Chert



Dolomite

DEPTH

LITHOLOGY

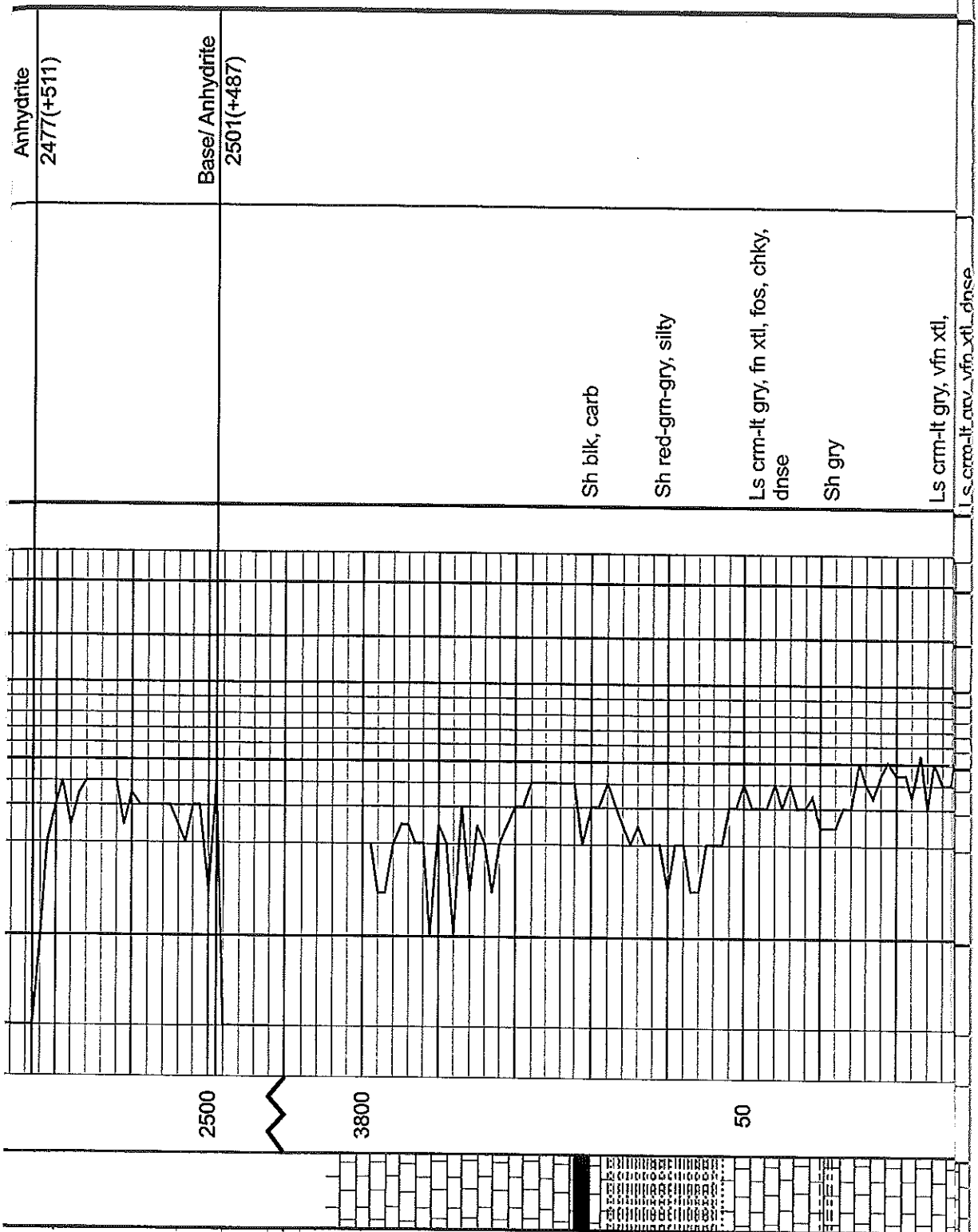
DRILLING TIME IN
MINUTES PER FOOT
Rate of Penetration Decreases



.5 1.0 5 10 15 20 30

SAMPLE DESCRIPTION

REMARKS



Anhydrite
2477(+511)

Base/ Anhydrite
2501(+487)

Sh blk, carb

Sh red-grm-gry, silty

Ls crm-lt gry, fn xtl, fos, chky,
dnse

Sh gry

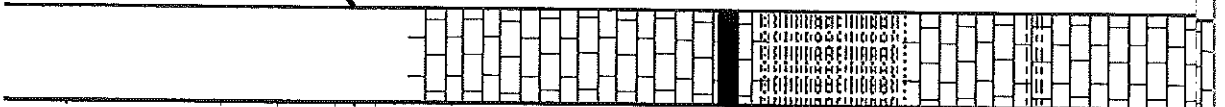
Ls crm-lt gry, vfn xtl,

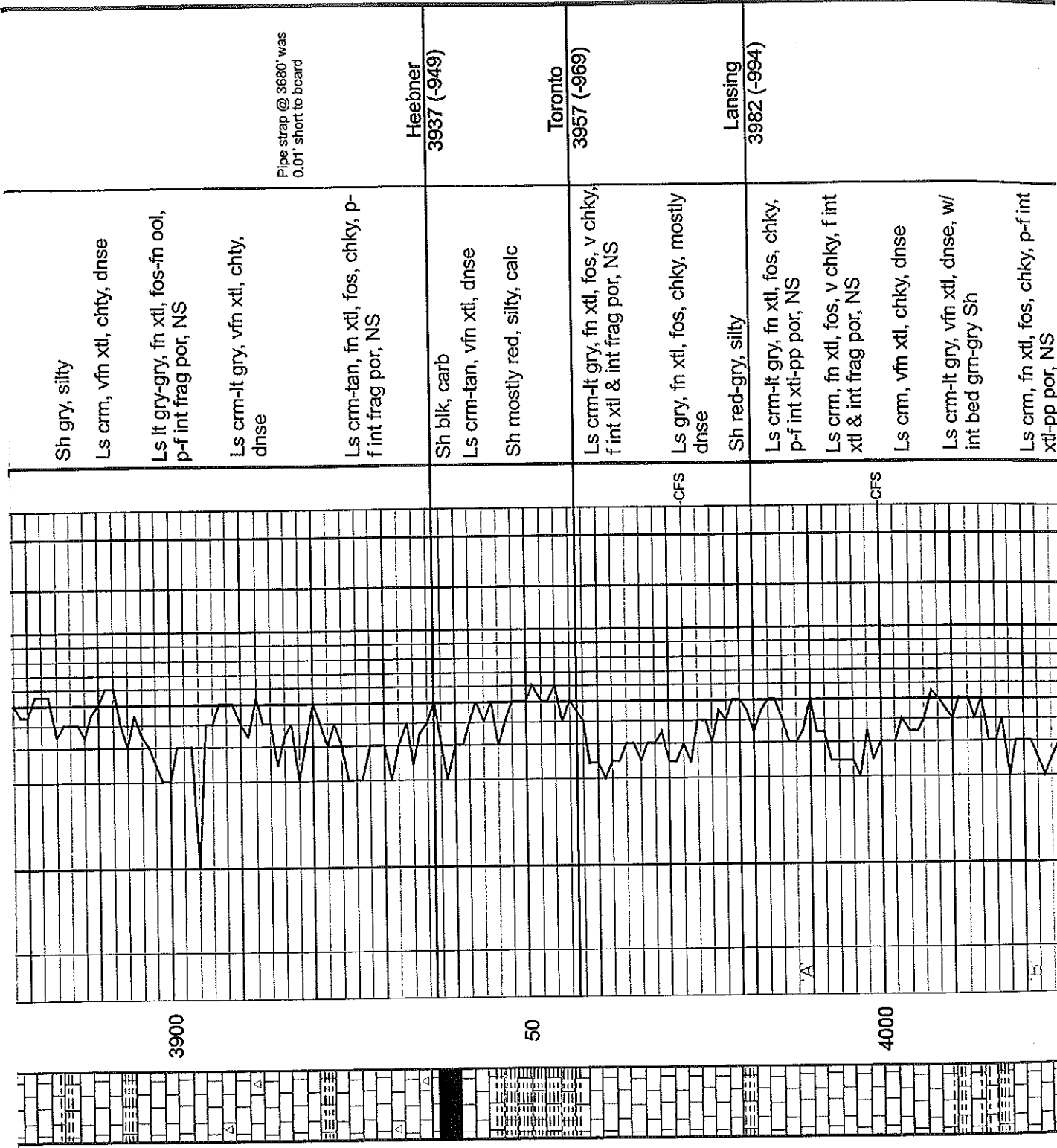
Ls, crm-lt gry, vfn, xtl, dnse

2500

3800

50





Pipe, strap @ 3680' was 0.01' short to board

-CFS

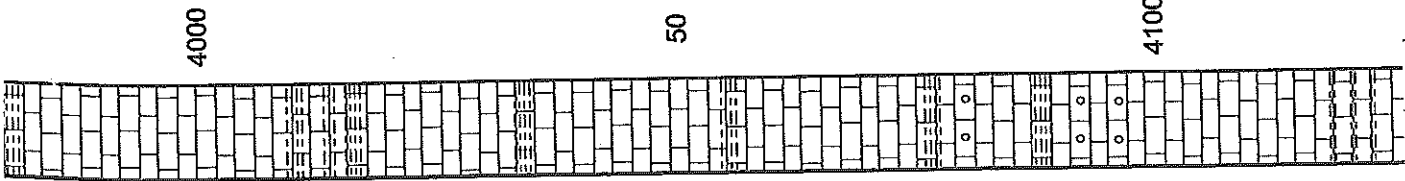
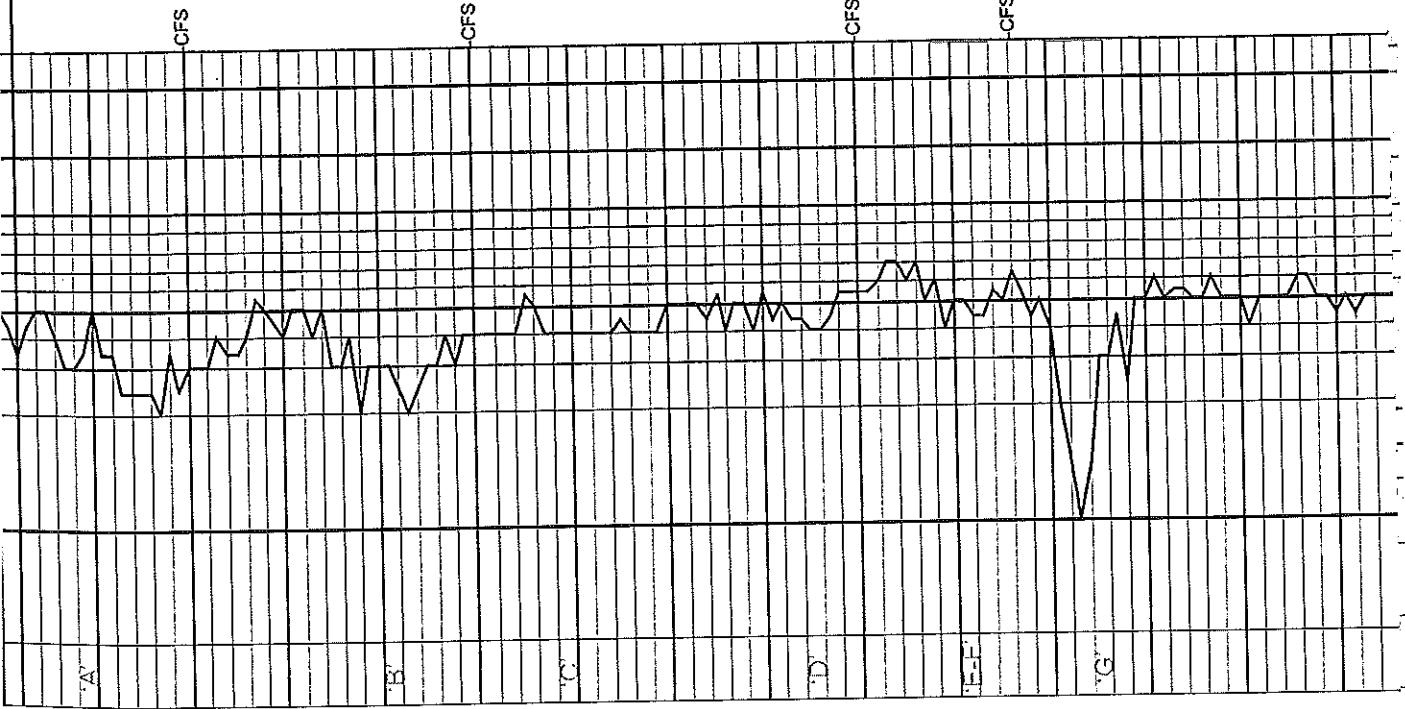
-CFS

3900

50

4000

Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS
 Ls crm, fn xtl, fos, v chky, f int xtl & int frag por, NS
 Ls crm, vfn xtl, chky, dnse
 Ls crm-lt gry, vfn xtl, dnse, w/ int bed grn-gry Sh
 Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS
 Sh red
 Ls crm-lt gry, vfn xtl, sli chky, dnse
 Sh grn-gry
 Ls crm-lt gry, vfn xtl, sli chky, dnse
 Sh grn-gry
 Ls crm, fn xtl, fos-sli ool, chky, p int xtl-pp por, sptd str on few pcs, VSSFO, v sli odor
 Sh grn-gry
 Ls crm-lt gry, fn xtl, fos-ool, chky, f int xtl & int frag por, sptd str on few pcs, VSSFO, v sli odor, dull fluor
 Ls lt gry-gry, vfn xtl, dnse
 Sh grn-gry, w/int bed gry Ls



Muncie Creek
4129 (-1141)

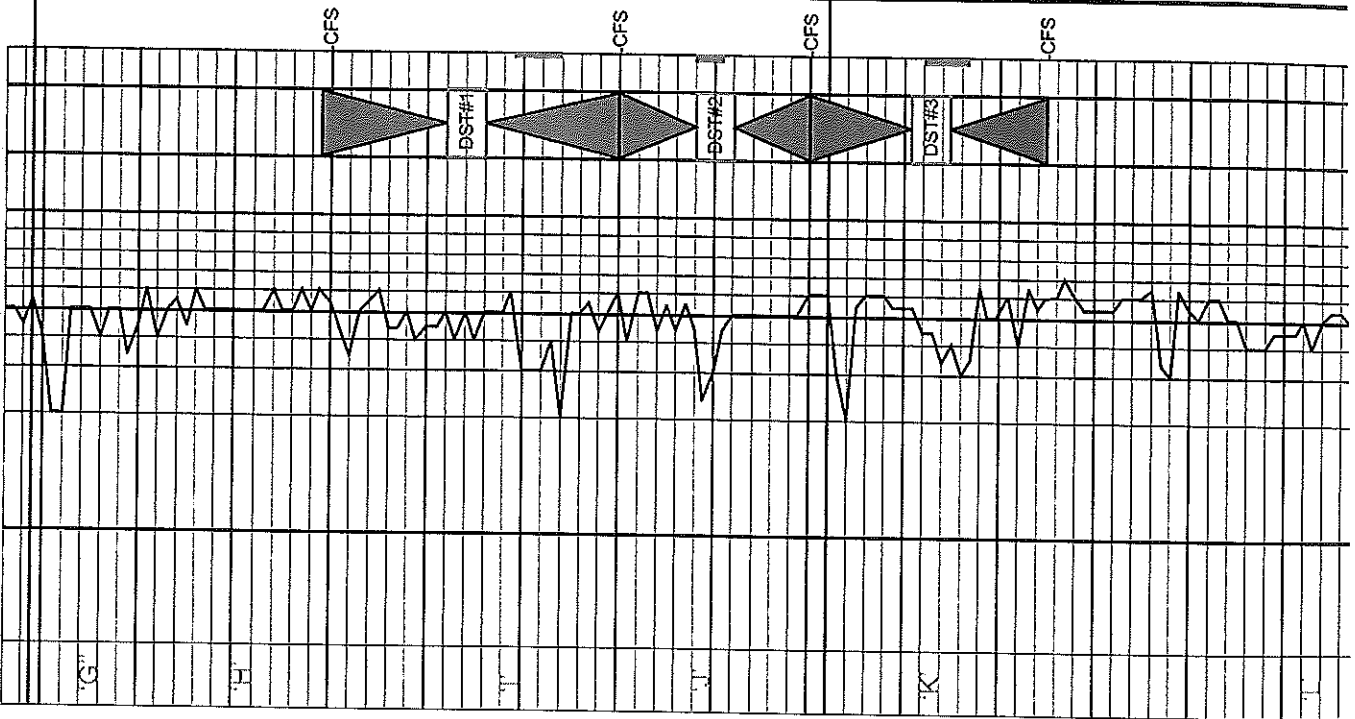
DST #1
 (4159'-4190')
 30°-30'-45°-60°
 IF: Built to 1 1/2 in., no return
 FF: Surface blow, no return
 Rec: 50' OCM(3%O,97%W)
 Fps: 13-18#/1-26#
 SIPs: 1064#/1093#
 HSPs: 2004#/1978#
 BHT: 111 deg F

DST #2
 (4190'-4210')
 30°-30'-45°-60°
 IF: Built to 1/2 in., no return
 FF: Built to 1/2 in., no return
 Rec: 15' OCM(5%O,95%W)
 Fps: 13-16#/16-22#
 SIPs: 1012#/1142#
 HSPs: 2021#/1910#
 BHT: 100 deg F

Stark
4212 (-1224)

DST #3
 (4210'-4235')
 30°-30'-45°-60°
 IF: Built to 1/2 in., no return
 FF: Surface blow, no return
 Rec: 5' Mud w/ oil scum
 Fps: 12-15#/17-20#
 SIPs: 446#/701#
 HSPs: 2038#/1945#
 BHT: 107 deg F

Sh blk, carb
 Ls tan-gry, vfn xtl, dnse
 Sh gry-dk gry, calc
 Ls crm-lt gry, vfn xtl, sli fos, sli chky, chty, dnse
 Sh blk, carb
 Sh gm-gry, calc
 Ls crm-lt gry, fn xtl, fos-sli ool, p-f int xtl-pp por, sptd stn, SSFO, sli odor, dull flur
 Ls crm-lt gry, fn xtl, fos-sli ool, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, f odor, dull-f flur
 Sh blk, carb
 Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/scat vugs, sptd-sat lt stn, SFO, strong odor, f-bri flur
 Ls lt gry, vfn xtl, sli chky, sli chty, dnse
 Sh blk, carb
 Ls crm-tan, vfn xtl, dnse
 Sh gm-gry



50
 4200
 50

chty, dnse
Sh blk, carb
Ls crm-tan, vfn xtl, dnse
Sh grn-gry
Ls crm-tan, vfn xtl, ool in prt, dnse
Sh red-gry

Sh var col
Ls crm-lt gry, vfn xtl, dnse
Sh var col, silty-sli sandy
Sh gry
Sh var col, silty
Sh gry

Ls crm-lt gry, vfn xtl, dnse
Ls crm-lt gry, fn xtl, fos, chky,
p-f int xtl-pp por w/few vugs,
spta-sli sat blk stn, SFO, sli
odor, dull-no fluor
Sh red-grn-gry
Ls crm-lt gry, vfn xtl, chky,
dnse
Ls crm-tan, mic xtl, ool, dnse
Sh gry-blk
Ls crm-tan, vfn xtl, sli fos,
dnse

Ls crm-lt gry, mic xtl, dnse

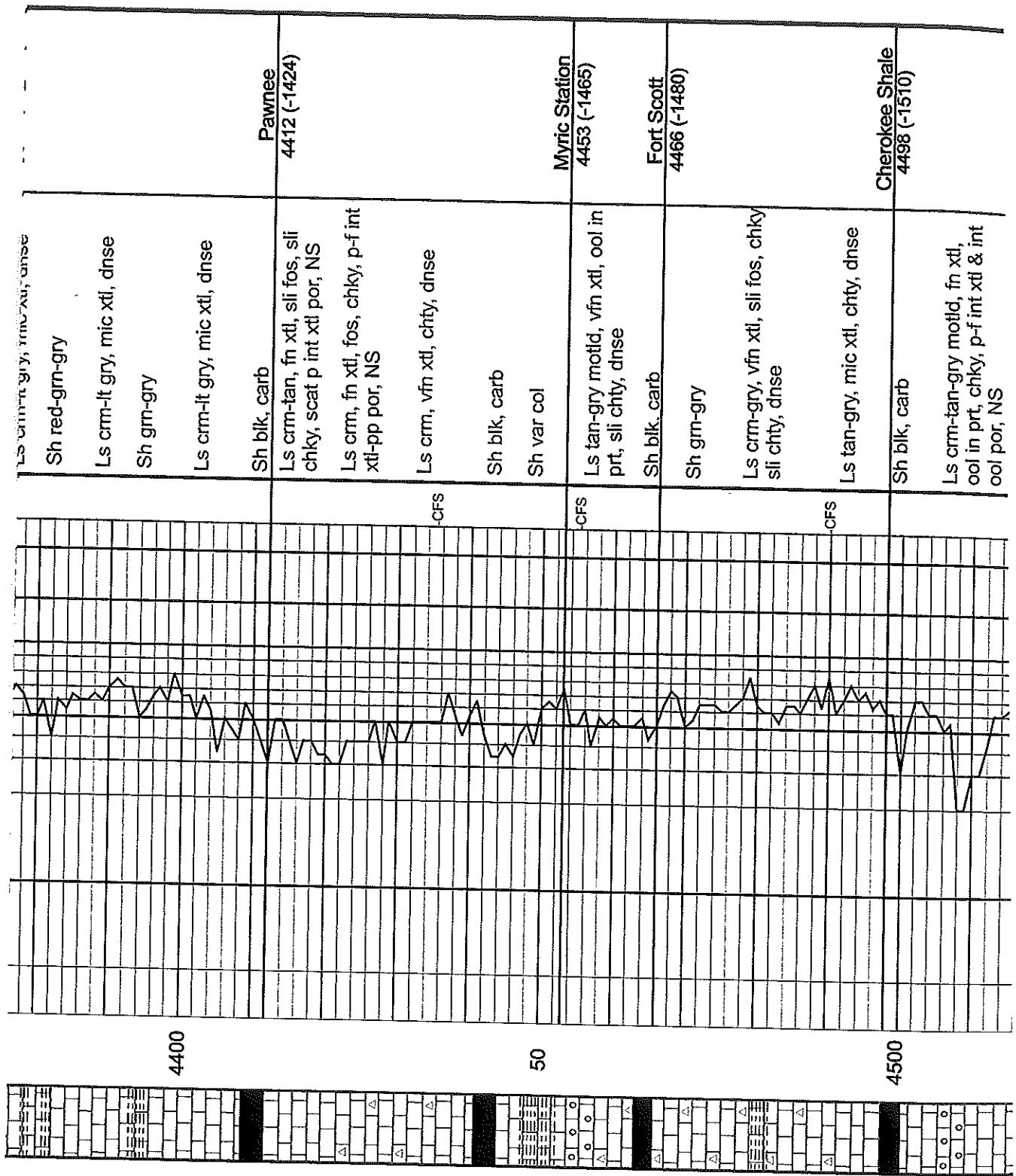
B/K.C.
4284 (-1296)

Marmaton
4314 (-1326)

DST # 4
(4318'-4350')
30'-30"-45'-60"
IF: Built to 2 1/2 in., no return
FF: No blow, no return
Rec: 40' WM w/oil spks in
tool.(18%W,82%M)
Fps: 19-31#/33-37#
SIPs: 94#/65#
HSPs: 2100#/1994#
BHT: 111 deg F
Chlor: 70,000ppm



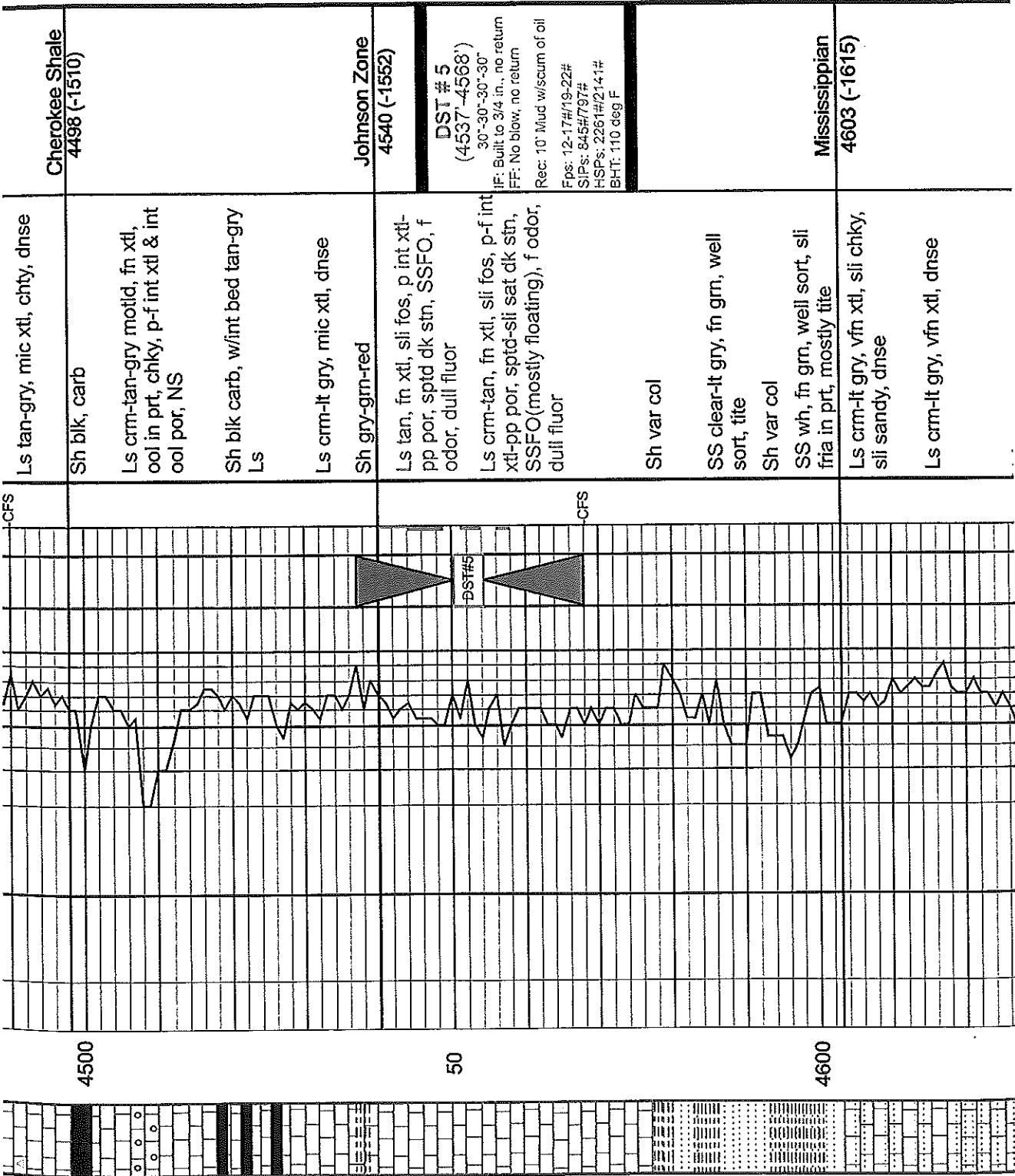
50
4300
50



4400

50

4500



-CFS

-CFS

Cherokee Shale
4498 (-1510)

Johnson Zone
4540 (-1552)

Mississippian
4603 (-1615)

Ls tan-gry, mic xtl, chty, dnse
 Sh blk, carb
 Ls crm-tan-gry motid, fn xtl, ool in prt, chky, p-f int xtl & int ool por, NS
 Sh blk carb, w/int bed tan-gry Ls
 Ls crm-lt gry, mic xtl, dnse
 Sh gry-grn-red
 Ls tan, fn xtl, sli fos, p int xtl-pp por, sptd dk str, SSFO, f odor, dull fluor
 Ls crm-tan, fn xtl, sli fos, p-f int xtl-pp por, sptd-sli sat dk str, SSFO (mostly floating), f odor, dull fluor
 Sh var col
 SS clear-lt gry, fn grn, well sort, tite
 Sh var col
 SS wh, fn grn, well sort, sli fria in prt, mostly tite
 Ls crm-lt gry, vfn xtl, sli chky, sli sandy, dnse
 Ls crm-lt gry, vfn xtl, dnse

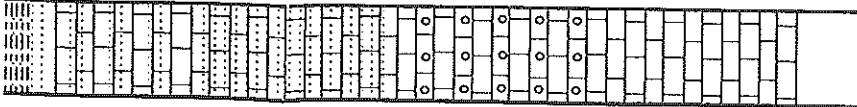
DST # 5
(4537'-4568')
 30'-30"-30"-30"
 IF: Built to 3/4 in., no return
 FF: No blow, no return
 Rec: 10' Mud w/iscum of oil
 Fps: 12-17#/19-22#
 SIPs: 845#797#
 HSPs: 2261#2141#
 BHT: 110 deg F

4500

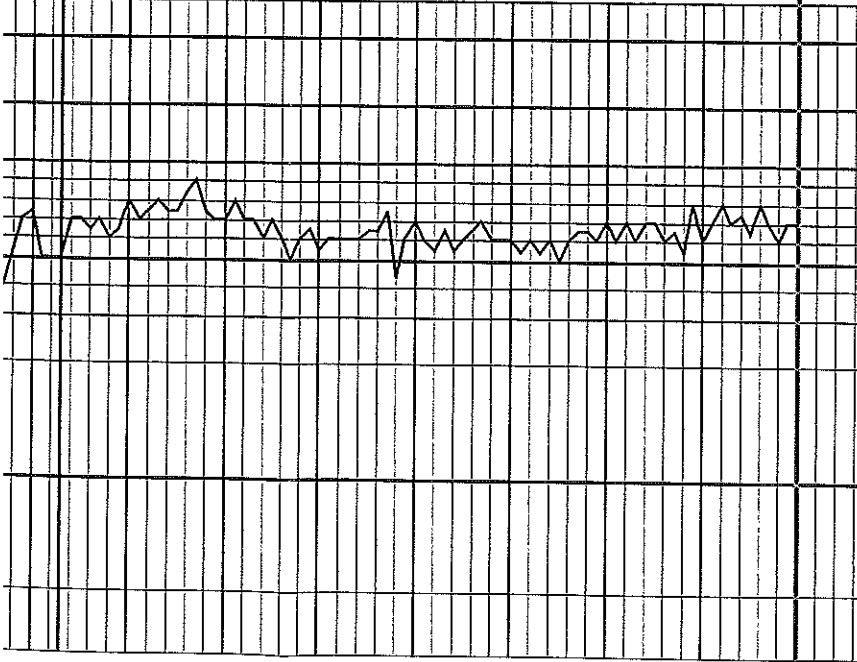
50

4600

4600



50



SS wh, fn grm, well sort, sli fria in prt, mostly tite	Mississippian
Ls crm-lt gry, vfn xtl, sli chky, sli sandy, dnse	4603 (-1615)
Ls crm-lt gry, vfn xtl, dnse	
Ls crm, vfn xtl, sandy, dnse	
Ls crm-tan, vfn xtl, sli ool, dnse	
Ls crm-tan-lt gry, vfn xtl, dnse	
Ls crm-tan-lt gry, vfn xtl, dnse	Total Depth 4680' (-1692)

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

January 03, 2013

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

Re: ACO1
API 15-109-21094-00-00
Campbell 3-8
NE/4 Sec.08-13S-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