



KANSAS CORPORATION COMMISSION 1131420
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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 (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 056858

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>1-21-13</u>	SEC <u>32</u>	TWP. <u>8</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 pm</u>	JOB FINISH <u>8:30 pm</u>
LEASE <u>Dixon</u>				WELL# <u>1-32</u>	LOCATION <u>Lucay Ks 13 N Wladlata</u>	COUNTY <u>Osborne</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)						<u>7.8</u>	

CONTRACTOR WW 12

TYPE OF JOB surface

HOLE SIZE 12 1/4 T.D. 219

CASING SIZE 8 5/8 23rd DEPTH 219.64

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15 ft

CEMENT LEFT IN CSG. 15 ft

PERFS.

DISPLACEMENT 13661

OWNER

CEMENT

AMOUNT ORDERED 160 com 3% cc 270 gcl

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y

417 HELPER Woody O

BULK TRUCK

481 DRIVER Kiko

BULK TRUCK DRIVER

COMMON	<u>160</u>	@ <u>17.90</u>	<u>2864.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@ <u>64.00</u>	<u>384.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>173.51</u>	@ <u>2.48</u>	<u>430.30</u>
MILEAGE	<u>300.58</u>	@ <u>2.60</u>	<u>781.51</u>
TOTAL			<u>4530.01</u>

REMARKS:

run 5 jts of new 8 5/8 23rd csg receive circulation mix 160 com 3% cc 270 gcl displace 13661 of fresh water shut in

cement did circulate to surface

SERVICE

DEPTH OF JOB	<u>219</u>		
PUMP TRUCK CHARGE			<u>1512.25</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>38</u>	@ <u>7.70</u>	<u>292.60</u>
MANIFOLD		@	
	<u>38</u>	@ <u>4.40</u>	<u>167.20</u>
		@	

CHARGE TO: Drilling Oil

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1972.05

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL 0

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) 258.81

TOTAL CHARGES 6502.06

DISCOUNT 1755.55 IF PAID IN 30 DAYS

PRINTED NAME Calvin P. ...

SIGNATURE [Signature]

before 1/24 yet 4746.51

ALLIED OIL & GAS SERVICES, LLC 056486

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell Ks.

DATE <u>1-26-13</u>	SEC. <u>32</u>	TWP. <u>8</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Dixon</u>	WELL # <u>1-32</u>	LOCATION <u>LURAY KSI 12 NORTH</u>	COUNTY <u>OSKANE</u>	STATE <u>KANSAS</u>			
OLD OR <u>NEW</u> (Circle one)				<u>YRE 18 N E TO</u>		<u>2.02</u>	

CONTRACTOR <u>W-W DELG RIG # 12</u>	OWNER
TYPE OF JOB <u>PRODUCTION STRING</u>	CEMENT
HOLE SIZE <u>7 7/8</u> T.D. <u>3200</u>	AMOUNT ORDERED <u>185 SK Comm.</u>
CASING SIZE <u>5 1/2 New</u> DEPTH <u>3199</u>	<u>10% SALT</u>
TUBING SIZE <u>14" CSG</u> DEPTH	
DRILL PIPE <u>PORT COLLAR @ 855</u>	
TOOL <u>LATCH DN PLUG @ 3177</u>	
PRES. MAX <u>MINIMUM</u>	COMMON <u>185 @ 17.00 3311.50</u>
MEAS. LINE <u>SHOE JOINT 36.10</u>	POZMIX @
CEMENT LEFT IN CSG. <u>36.10</u>	GEL @
PERFS.	CHLORIDE @
DISPLACEMENT <u>77 1/2 BBL</u>	ASC @
EQUIPMENT	SALT <u>20 @ 26.35 527.00</u>
PUMP TRUCK CEMENTER <u>Oben G. 1</u>	MUD FLUSH <u>12 @ 58.70 704.40</u>
# <u>417</u> HELPER <u>Woody O. 2</u>	
BULK TRUCK	
# <u>410</u> DRIVER <u>KIRO M. TWS.</u>	
BULK TRUCK	
# DRIVER	
	HANDLING <u>188.08 FT3 @ 2.75 493.73</u>
	MILEAGE <u>349.41 FT3 @ 2.85 988.41</u>
	TOTAL <u>5945.10</u>

REMARKS:

REN 85 JOINTS OF NEW 14" CSG. SET @ 3199.30. RECEIVED CEMENT AT ON MIX 500 GAL MUD FLUSH PUMP 155 SK COMM 10% SALT CLEAR-LINE RELEASE LATCH DN AUG. + DISPLACE 77 1/2 BBL H2O BEHIND LAND PLUG @ 1500 #F RELEASE PLUG - HELD 30 SK @ POT HOLE.

THANKS

SERVICE

DEPTH OF JOB <u>3199</u>	
PUMP TRUCK CHARGE	<u>2558.93</u>
EXTRA FOOTAGE @	
MILEAGE <u>38 HU MI</u> @ <u>7.70</u>	<u>292.60</u>
MANIFOLD @	
<u>38 LUMI</u> @ <u>4.40</u>	<u>167.20</u>
TOTAL	<u>3018.53</u>

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

WATERPROOF PLUG & FLOAT EQUIPMENT

1-FLOAT-Shoe @	<u>475.02</u>
5-CENTRALIZERS @ <u>57.33</u>	<u>286.65</u>
1-BASKET @	<u>394.29</u>
1-PORT COLLAR @	<u>3042.00</u>
1-LATCH DN Plug Assy @	<u>324.09</u>
TOTAL	<u>4522.05</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 Terry W. Piester
SIGNATURE Terry W. Piester

SALES TAX (If Any) 707.06
TOTAL CHARGES 13,485.70
DISCOUNT 4652.50 IF PAID IN 30 DAYS
BEFORE 4/28/13 8833.13



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601-2431

ATTN: Terry Piesker

Dixon #1-32

32-8s-12w Osborne,KS

Start Date: 2013.01.24 @ 04:25:16

End Date: 2013.01.24 @ 11:01:55

Job Ticket #: 51636 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.01.28 @ 15:27:48

Dreiling Oil Inc
32-8s-12w Osborne,KS
Dixon #1-32
DST # 1
LKC "A"
2013.01.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dreiling Oil Inc
 PO Box 550
 Hays KS 67601-2431
 ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
 Job Ticket: 51636 **DST#: 1**
 Test Start: 2013.01.24 @ 04:25:16

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:44:26
 Time Test Ended: 11:01:55
 Interval: **2938.00 ft (KB) To 2965.00 ft (KB) (TVD)**
 Total Depth: 2965.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1714.00 ft (KB)
 1706.00 ft (CF)
 KB to GR/CF: 8.00 ft

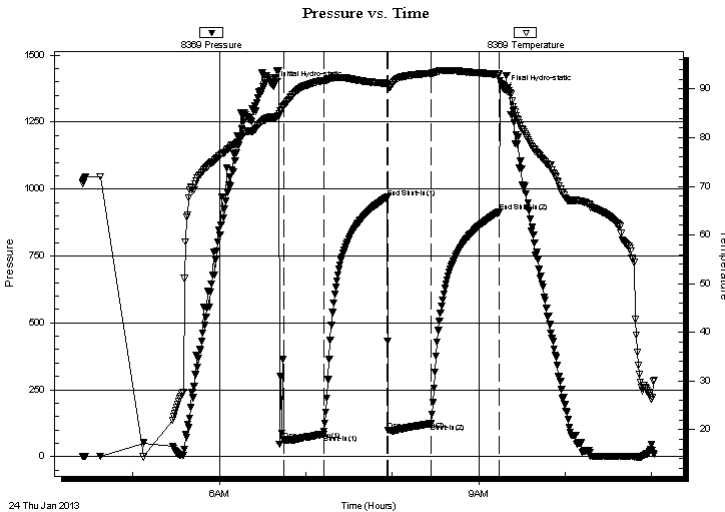
Serial #: 8369

Inside

Press @ Run Depth: 123.29 psig @ 2939.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.24 End Date: 2013.01.24 Last Calib.: 2013.01.24
 Start Time: 04:25:16 End Time: 11:01:55 Time On Btm: 2013.01.24 @ 06:37:56
 Time Off Btm: 2013.01.24 @ 09:17:25

TEST COMMENT: 30-IFP-w k to strg in 5 min
 45-ISIP-1/2" bl bk
 30-FFP-w k bl thru-out , surface head came loose on 2nd open
 45-FSIP-surface bl ,

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1384.62	84.23	Initial Hydro-static
7	62.57	86.37	Open To Flow (1)
35	84.75	91.76	Shut-In(1)
79	968.77	91.15	End Shut-In(1)
80	99.55	90.44	Open To Flow (2)
109	123.29	93.25	Shut-In(2)
156	913.43	93.05	End Shut-In(2)
160	1372.79	90.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	HO&GCM 20%G20%O80%M	0.57
200.00	CO	2.76
0.00	560'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

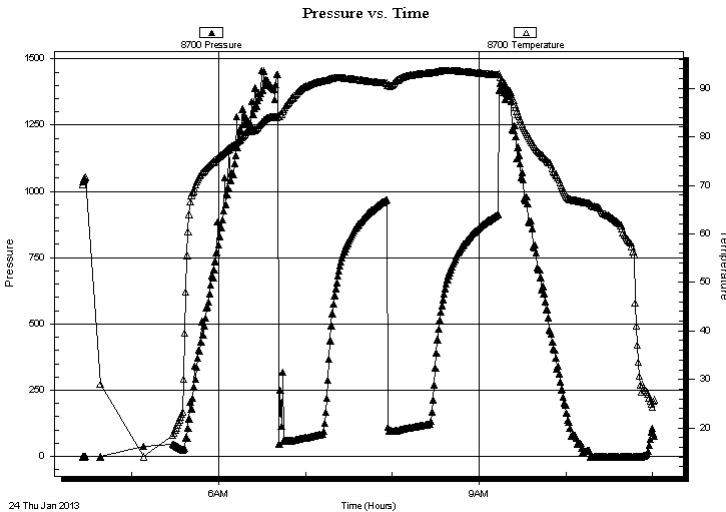
32-8s-12w Osborne, KS
Dixon #1-32
Job Ticket: 51636 **DST#: 1**
Test Start: 2013.01.24 @ 04:25:16

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 06:44:26 Tester: Ray Schwager
Time Test Ended: 11:01:55 Unit No: 42
Interval: 2938.00 ft (KB) To 2965.00 ft (KB) (TVD) Reference Elevations: 1714.00 ft (KB)
Total Depth: 2965.00 ft (KB) (TVD) 1706.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8700 Outside
Press @ RunDepth: psig @ 2939.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.24 End Date: 2013.01.24 Last Calib.: 2013.01.24
Start Time: 04:26:01 End Time: 11:01:25 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP-w k to strg in 5 min
45-ISIP-1/2" bl bk
30-FFP-w k bl thru-out , surface head came loose on 2nd open
45-FSIP-surface bl ,



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
115.00	HO&GCM 20%G20%O80%M	0.57
200.00	CO	2.76
0.00	560'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
Job Ticket: 51636 **DST#: 1**
Test Start: 2013.01.24 @ 04:25:16

Tool Information

Drill Pipe:	Length: 2816.00 ft	Diameter: 3.80 inches	Volume: 39.50 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 40.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2938.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2918.00	
Shut In Tool	5.00			2923.00	
Hydraulic tool	5.00			2928.00	
Packer	5.00			2933.00	21.00 Bottom Of Top Packer
Packer	5.00			2938.00	
Stubb	1.00			2939.00	
Recorder	0.00	8369	Inside	2939.00	
Recorder	0.00	8700	Outside	2939.00	
Perforations	23.00			2962.00	
Bullnose	3.00			2965.00	27.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
Job Ticket: 51636 **DST#: 1**
Test Start: 2013.01.24 @ 04:25:16

Mud and Cushion Information

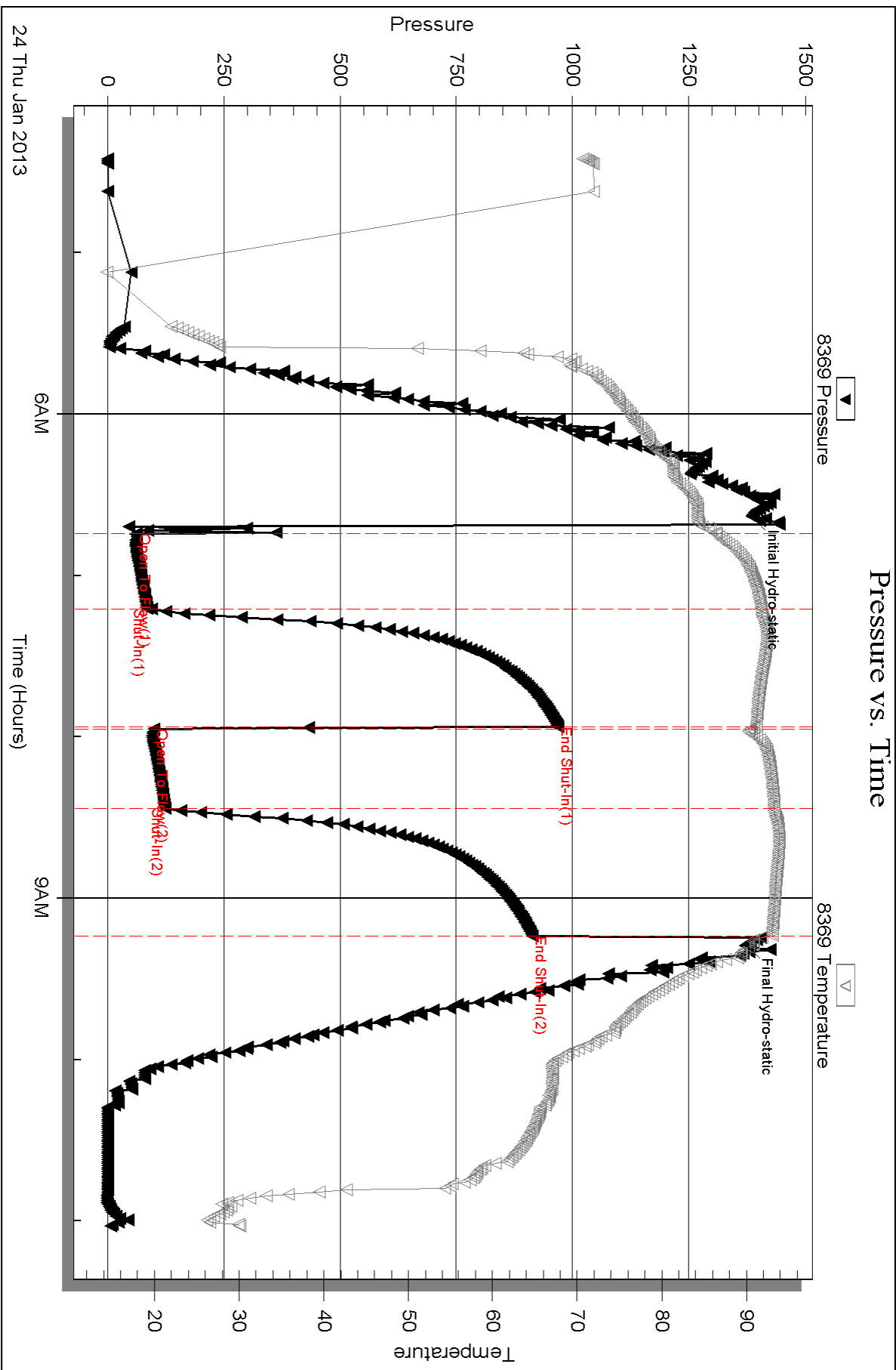
Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	HO&GCM 20%G20%O80%M	0.566
200.00	CO	2.760
0.00	560'GIP	0.000

Total Length: 315.00 ft Total Volume: 3.326 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

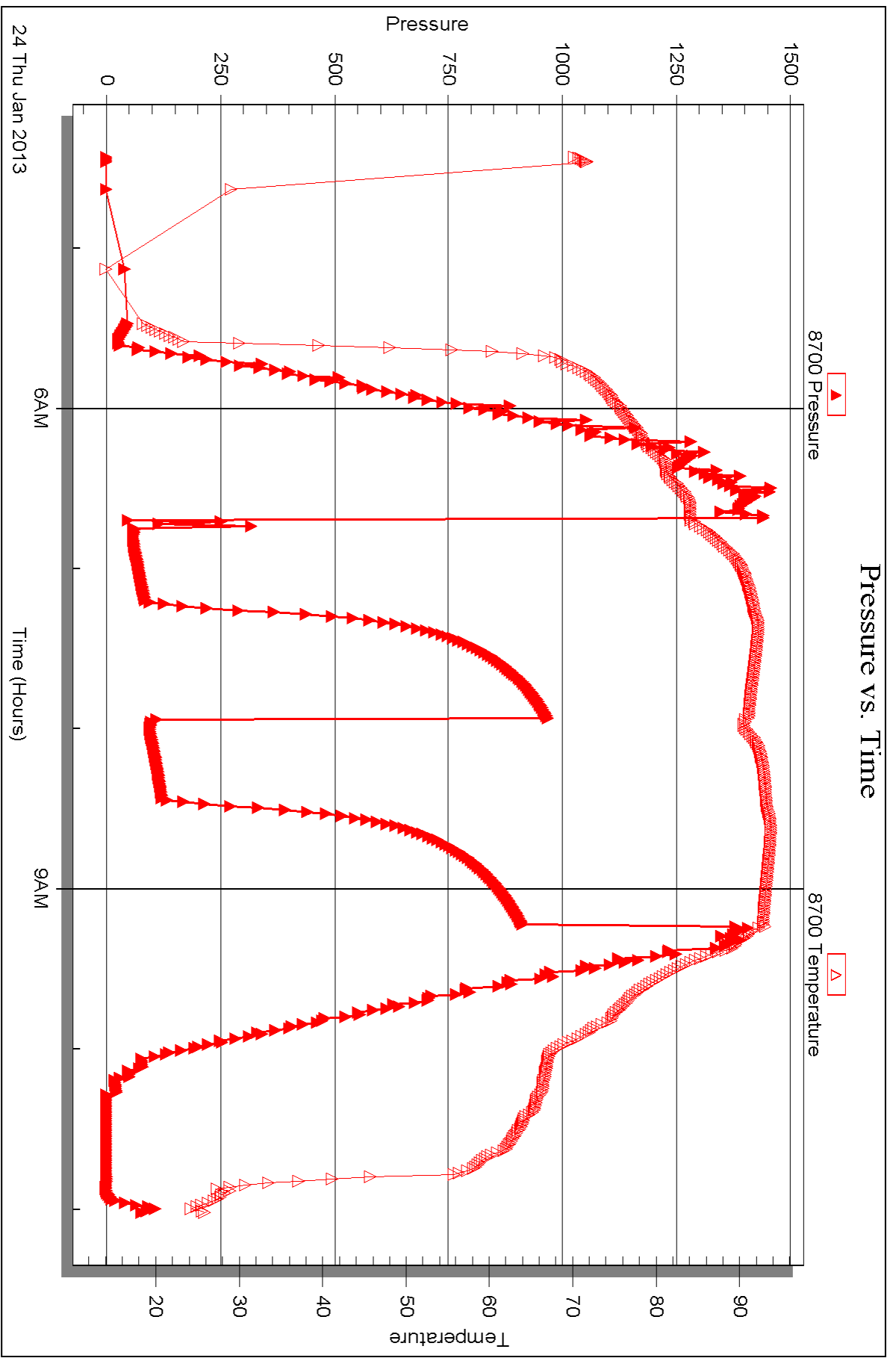


Serial #: 8700

Outside Drilling Oil Inc

Dixon #1-32

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51636

Printed: 2013.01.28 @ 15:27:51



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601-2431

ATTN: Terry Piesker

Dixon #1-32

32-8s-12w Osborne,KS

Start Date: 2013.01.24 @ 16:35:15

End Date: 2013.01.24 @ 22:39:39

Job Ticket #: 51637 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.01.28 @ 15:26:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc
 PO Box 550
 Hays KS 67601-2431
 ATTN: Terry Plesker

32-8s-12w Osborne, KS
Dixon #1-32
 Job Ticket: 51637 **DST#: 2**
 Test Start: 2013.01.24 @ 16:35:15

GENERAL INFORMATION:

Formation: **LKC "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:55:40
 Time Test Ended: 22:39:39
 Interval: **2975.00 ft (KB) To 2992.00 ft (KB) (TVD)**
 Total Depth: 2992.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1714.00 ft (KB)
 1706.00 ft (CF)
 KB to GR/CF: 8.00 ft

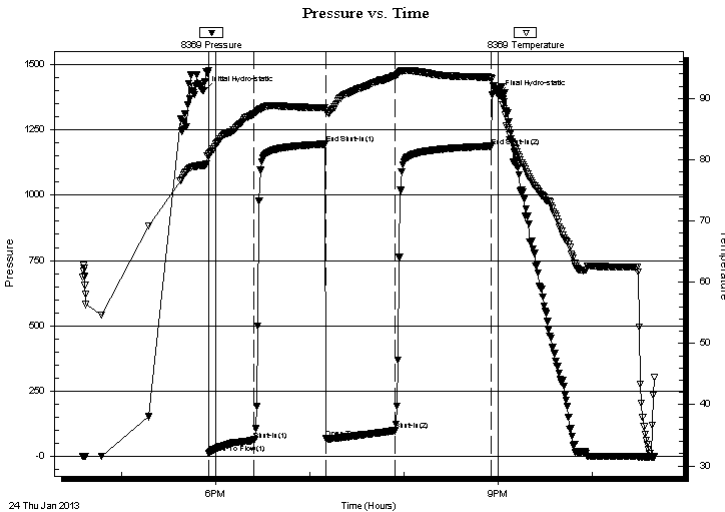
Serial #: 8369

Inside

Press @ Run Depth: 99.26 psig @ 2976.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.24 End Date: 2013.01.24 Last Calib.: 2013.01.24
 Start Time: 16:35:15 End Time: 22:39:39 Time On Btm: 2013.01.24 @ 17:52:40
 Time Off Btm: 2013.01.24 @ 20:59:39

TEST COMMENT: 30-IFP-w k to a strg bl in 17 min
 45-ISIP-surface bl bk
 45-FFP-w k to strg in 20 min
 60-FSIP-1/2" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1399.00	79.10	Initial Hydro-static
3	14.10	80.66	Open To Flow (1)
32	62.28	87.53	Shut-In(1)
78	1195.32	88.47	End Shut-In(1)
78	71.59	88.01	Open To Flow (2)
122	99.26	93.75	Shut-In(2)
183	1187.59	93.47	End Shut-In(2)
187	1386.11	91.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	390' GIP	0.00
72.00	HO&GCM 20%G25%O55%M	0.35
155.00	CO	1.74

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dreiling Oil Inc
 PO Box 550
 Hays KS 67601-2431
 ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
 Job Ticket: 51637 **DST#: 2**
 Test Start: 2013.01.24 @ 16:35:15

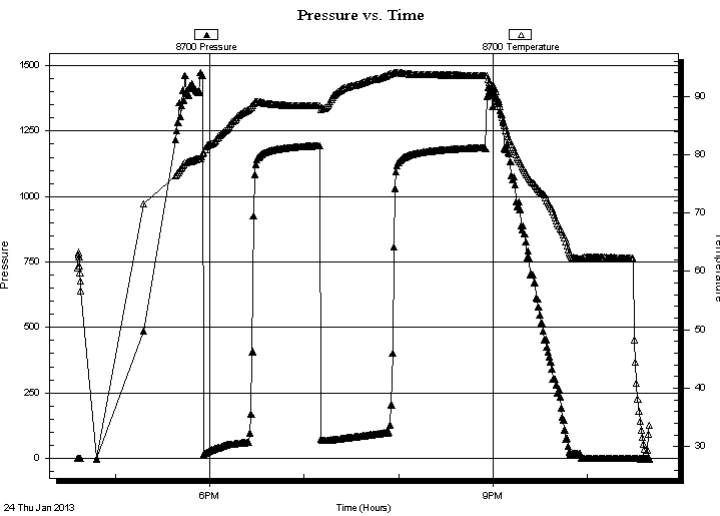
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 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1714.00 ft (KB)
 1706.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press @ Run Depth: psig @ 2976.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.24 End Date: 2013.01.24 Last Calib.: 2013.01.24
 Start Time: 16:36:00 End Time: 22:39:39 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k to a strg bl in 17 min
 45-ISIP-surface bl bk
 45-FFP-w k to strg in 20 min
 60-FSIP-1/2" bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	390' GIP	0.00
72.00	HO&GCM 20%G25%O55%M	0.35
155.00	CO	1.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
Job Ticket: 51637 **DST#: 2**
Test Start: 2013.01.24 @ 16:35:15

Tool Information

Drill Pipe:	Length: 2844.00 ft	Diameter: 3.80 inches	Volume: 39.89 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 40.48 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2975.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2955.00	
Shut In Tool	5.00			2960.00	
Hydraulic tool	5.00			2965.00	
Packer	5.00			2970.00	21.00 Bottom Of Top Packer
Packer	5.00			2975.00	
Stubb	1.00			2976.00	
Recorder	0.00	8369	Inside	2976.00	
Recorder	0.00	8700	Outside	2976.00	
Perforations	13.00			2989.00	
Bullnose	3.00			2992.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
Job Ticket: 51637 **DST#: 2**
Test Start: 2013.01.24 @ 16:35:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.37 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	390' GIP	0.000
72.00	HO&GCM 20%G25%O55%M	0.354
155.00	CO	1.737

Total Length: 227.00 ft Total Volume: 2.091 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

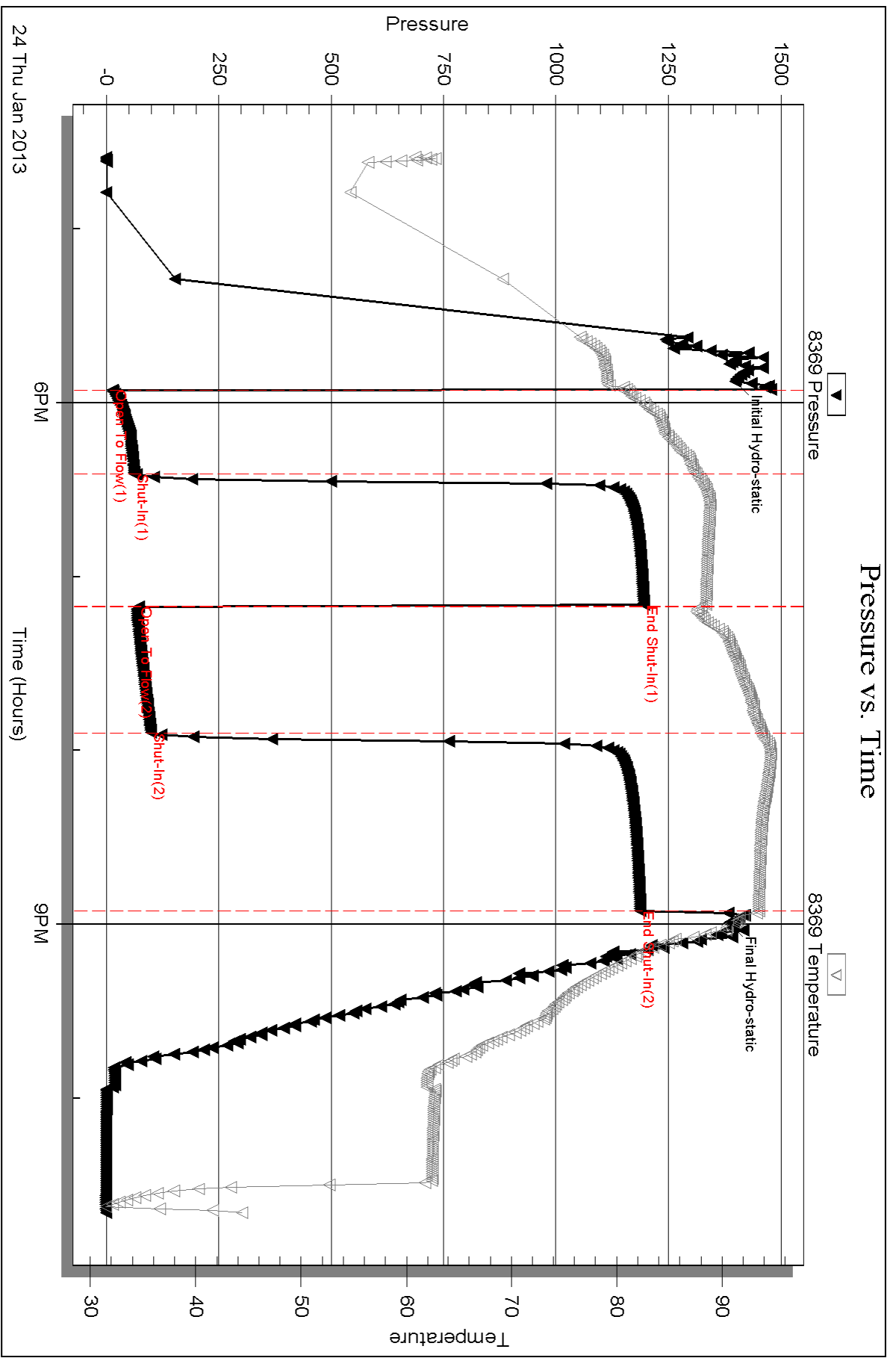
Serial #: 8369

Inside

Dreiling Oil Inc

Dixon #1-32

DST Test Number: 2

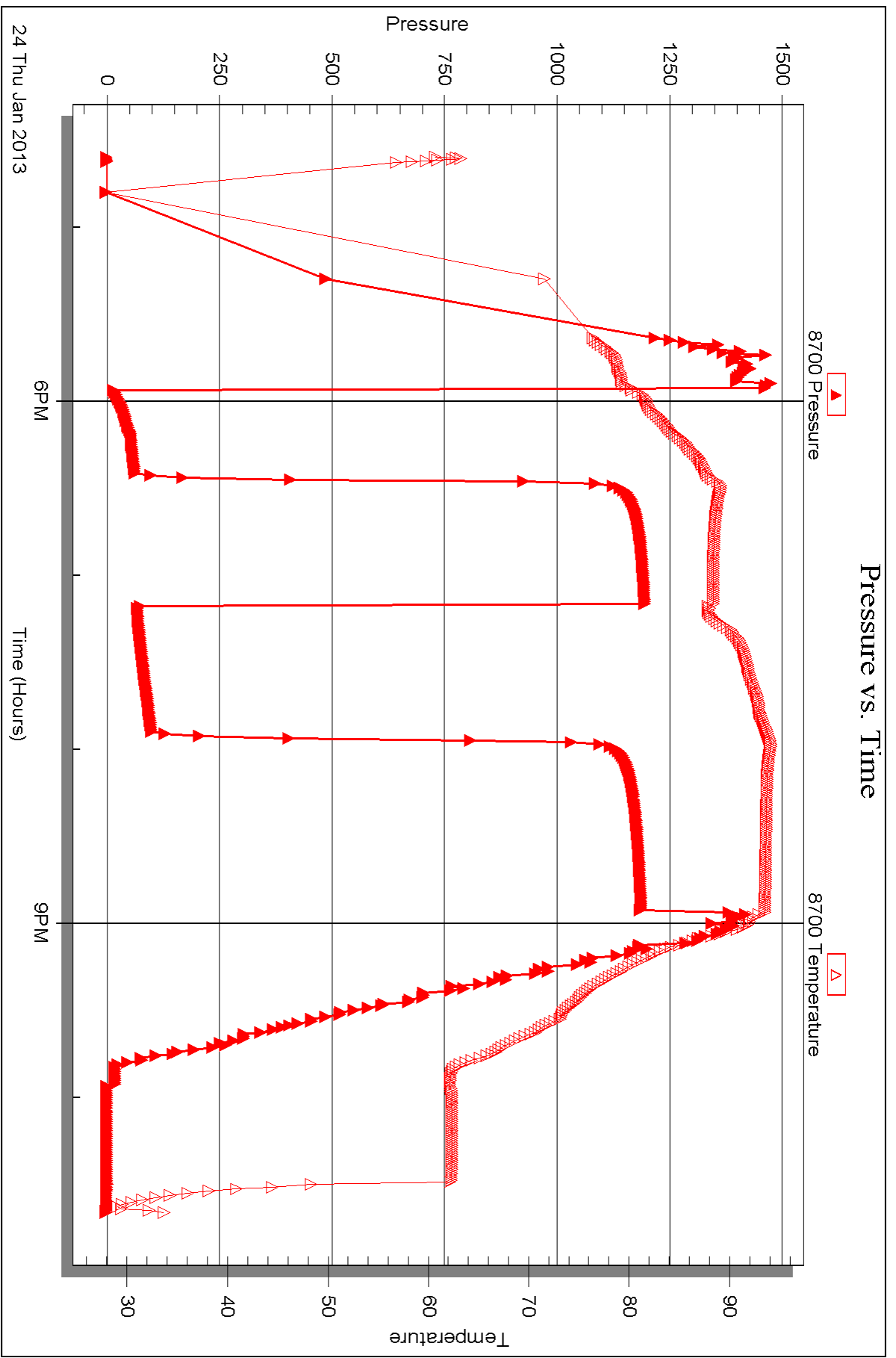


Serial #: 8700

Outside Drilling Oil Inc

Dixon #1-32

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601-2431

ATTN: Terry Piesker

Dixon #1-32

32-8s-12w Osborne,KS

Start Date: 2013.01.25 @ 05:15:21

End Date: 2013.01.25 @ 11:37:30

Job Ticket #: 51638 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.01.28 @ 15:26:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc
 PO Box 550
 Hays KS 67601-2431
 ATTN: Terry Plesker

32-8s-12w Osborne, KS
Dixon #1-32
 Job Ticket: 51638 **DST#: 3**
 Test Start: 2013.01.25 @ 05:15:21

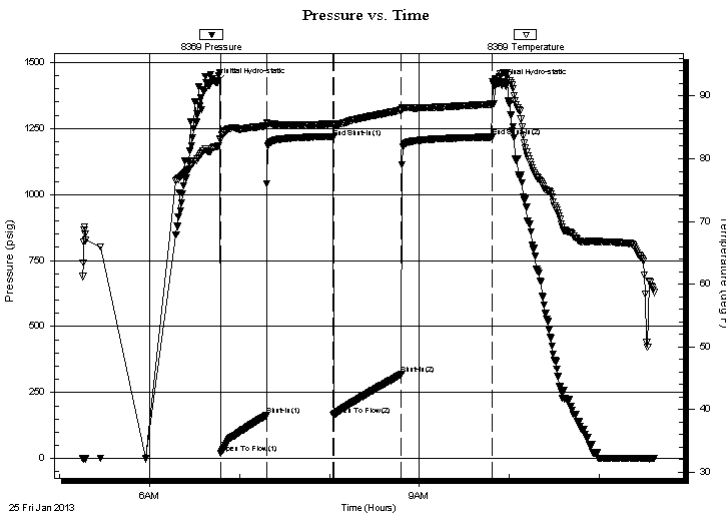
GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:47:31
 Time Test Ended: 11:37:30
Interval: 3004.00 ft (KB) To 3019.00 ft (KB) (TVD)
 Total Depth: 3019.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1714.00 ft (KB)
 1706.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8369 Inside
 Press @ Run Depth: 318.80 psig @ 3005.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.25 End Date: 2013.01.25 Last Calib.: 2013.01.25
 Start Time: 05:15:21 End Time: 11:37:30 Time On Btm: 2013.01.25 @ 06:44:31
 Time Off Btm: 2013.01.25 @ 09:53:15

TEST COMMENT: 30-IFP-w k to strg in 10 min
 45-ISIP-surface bl bk
 45-FFP-w k to strg in 20 min
 60-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1424.26	81.96	Initial Hydro-static
3	20.00	83.08	Open To Flow (1)
34	164.48	85.27	Shut-In (1)
78	1216.68	85.57	End Shut-In (1)
79	165.14	85.18	Open To Flow (2)
124	318.80	87.75	Shut-In (2)
184	1217.63	88.70	End Shut-In (2)
189	1418.65	92.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	Water	7.74

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc
 PO Box 550
 Hays KS 67601-2431
 ATTN: Terry Piesker

32-8s-12w Osborne, KS
Dixon #1-32
 Job Ticket: 51638 **DST#: 3**
 Test Start: 2013.01.25 @ 05:15:21

GENERAL INFORMATION:

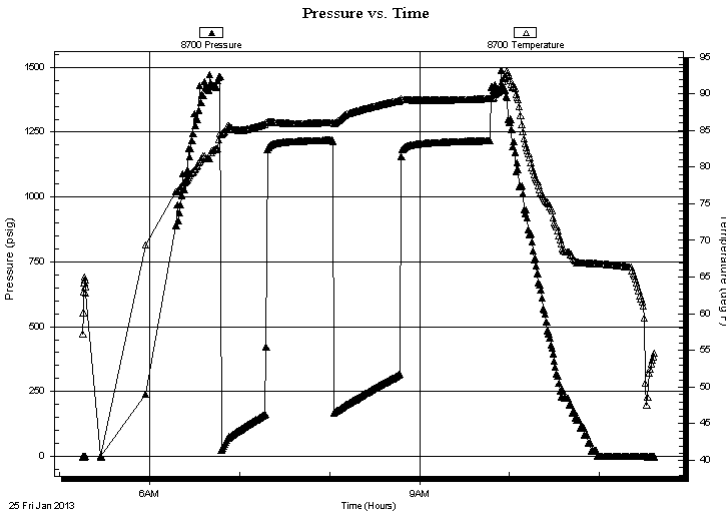
Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:47:31
 Time Test Ended: 11:37:30
Interval: 3004.00 ft (KB) To 3019.00 ft (KB) (TVD)
 Total Depth: 3019.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1714.00 ft (KB)
 1706.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press @ Run Depth: psig @ 3005.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.25 End Date: 2013.01.25 Last Calib.: 2013.01.25
 Start Time: 05:15:40 End Time: 11:36:34 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k to strg in 10 min
 45-ISIP-surface bl bk
 45-FFP-w k to strg in 20 min
 60-FSIP-no bl bk

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
630.00	Water	7.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

32-8s-12w Osborne, KS

PO Box 550
Hays KS 67601-2431

Dixon #1-32

Job Ticket: 51638

DST#: 3

ATTN: Terry Piesker

Test Start: 2013.01.25 @ 05:15:21

Tool Information

Drill Pipe:	Length: 2882.00 ft	Diameter: 3.80 inches	Volume: 40.43 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 41.02 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3004.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	36.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2984.00	
Shut In Tool	5.00			2989.00	
Hydraulic tool	5.00			2994.00	
Packer	5.00			2999.00	21.00 Bottom Of Top Packer
Packer	5.00			3004.00	
Stubb	1.00			3005.00	
Recorder	0.00	8369	Inside	3005.00	
Recorder	0.00	8700	Outside	3005.00	
Perforations	11.00			3016.00	
Bullnose	3.00			3019.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
PO Box 550
Hays KS 67601-2431
ATTN: Terry Piesker

32-8s-12w Osborne,KS
Dixon #1-32
Job Ticket: 51638 **DST#: 3**
Test Start: 2013.01.25 @ 05:15:21

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:	90000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: 6.40 ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
630.00	Water	7.744

Total Length: 630.00 ft Total Volume: 7.744 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .10 @ 60F

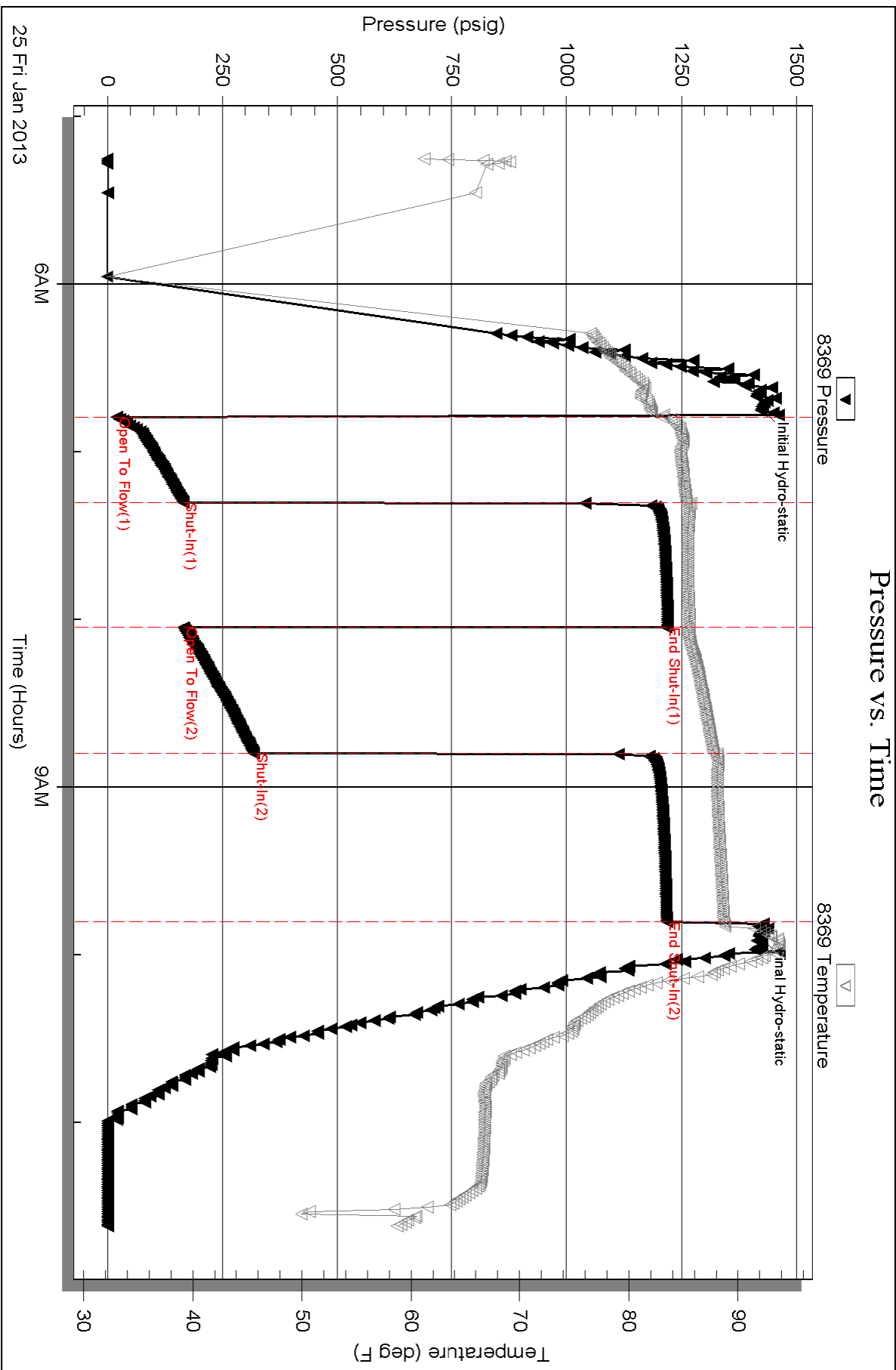
Serial #: 8369

Inside

Dreiling Oil Inc

Dixon #1-32

DST Test Number: 3

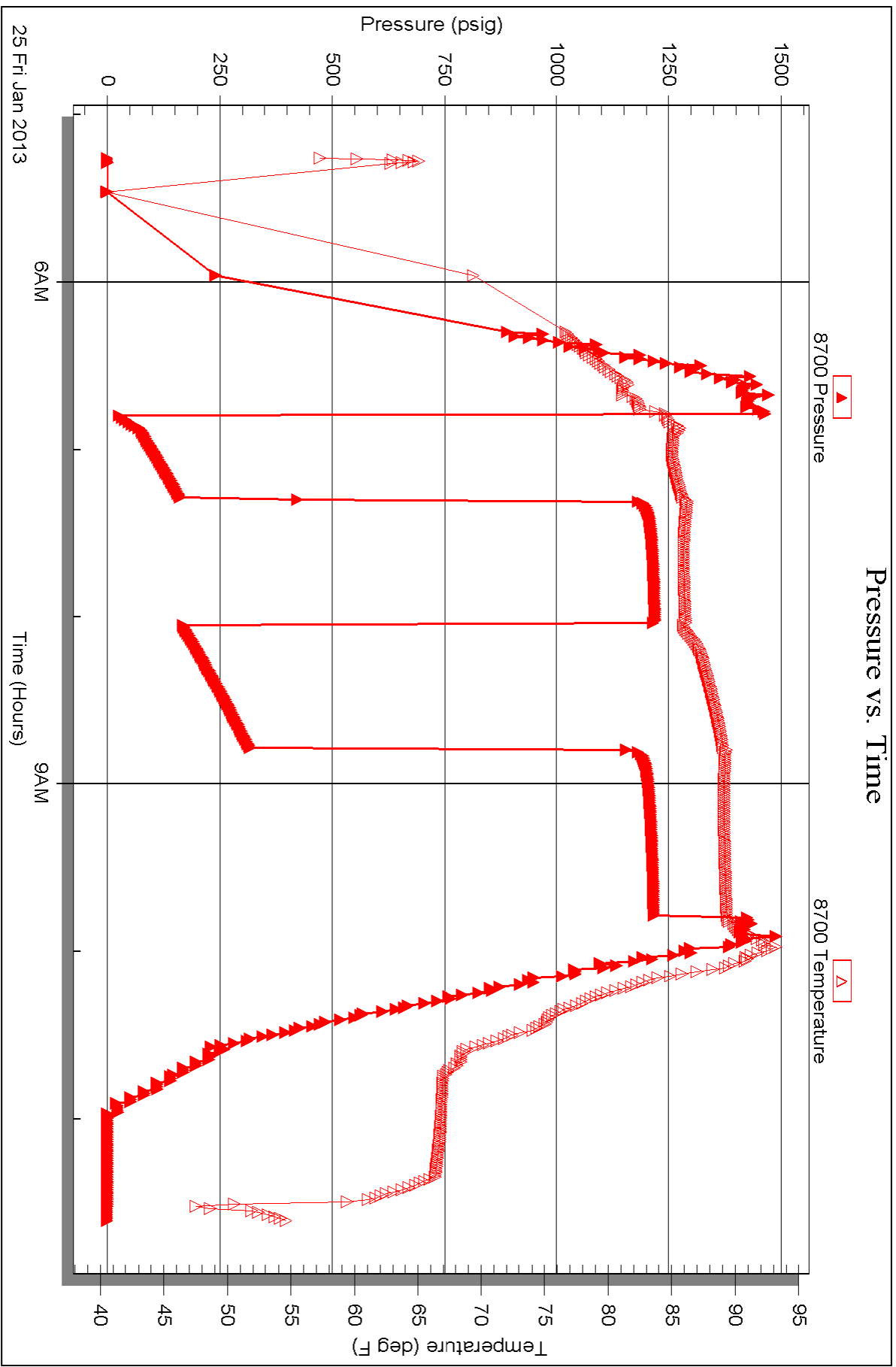


Serial #: 8700

Outside Drilling Oil Inc

Dixon #1-32

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51636

Well Name & No. Dixon #1-32 Test No. 1 Date 1-24-13
 Company Dreiling Oil Inc Elevation 1714 KB 1706 GL
 Address 1008 Cody Ave, PO Box 550 Hays, KS 67601-2431
 Co. Rep / Geo. Roger Fisher Rig WW rig 12
 Location: Sec. 32 Twp. 8^s Rge. 12^w Co. Osborne State K

Interval Tested 2938-2965 Zone Tested LKC "A"
 Anchor Length 27 Drill Pipe Run 2816 Mud Wt. 8.9
 Top Packer Depth 2933 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 2938 Wt. Pipe Run - WL -
 Total Depth 2965 Chlorides - ppm System LCM 2#

Blow Description TFP - WEAK TO STRONG IN 5 MIN
ISIP - 1/2" Blow Back
FFP - WEAK Blow Thru-out
FSTIP - surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>560</u>	<u>GIP</u>				
<u>200</u>	<u>CO</u>				
<u>115</u>	<u>HO+GCM</u>	<u>20</u>	<u>20</u>		<u>60</u>

Rec Total 315 BHT 93 Gravity 34 API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic 1384 Test 1150 T-On Location 0320
 (B) First Initial Flow 62 Jars _____ T-Started 0425
 (C) First Final Flow 84 Safety Joint _____ T-Open 0640
 (D) Initial Shut-In 968 Circ Sub _____ T-Pulled 0910
 (E) Second Initial Flow 99 Hourly Standby _____ T-Out 1101
 (F) Second Final Flow 123 Mileage 128 RT 198.40 Comments Motel
 (G) Final Shut-In 913 Sampler _____ SURFACE HEAD CAME LOOSE & NO
 (H) Final Hydrostatic 1372 Straddle _____ open
 Shale Packer _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1348.40
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Approved By M JFL Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51637

Well Name & No. Dixon #1-32 Test No. 2 Date 1-24-13
 Company DREILING Oil Inc Elevation 1714 KB 1706 GL
 Address 1008 Cody Ave PO Box 550 Hays, Ks 67601-2431
 Co. Rep / Geo. Roger Fisher Rig WWrig 12
 Location: Sec. 32 Twp. 8^s Rge. 12^w Co. Osborne State Ks

Interval Tested 2975-2992 Zone Tested LKC "B"
 Anchor Length 17 Drill Pipe Run 2844 Mud Wt. 8.9
 Top Packer Depth 2970 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 2975 Wt. Pipe Run - WL 6.4
 Total Depth 2992 Chlorides 800 ppm System LCM 2#

Blow Description IFP - WEAK TO STRONG IN 17 MIN
TSTP - SURFACE BLOW BACK
FFP - WEAK TO STRONG IN 20 MIN
FSIP - 1/2" BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>390</u>	<u>GIP</u>				
<u>155</u>	<u>CO</u>				
<u>72</u>	<u>H0+GCM</u>	<u>20</u>	<u>25</u>		<u>55</u>

Rec Total 227 BHT 93 Gravity 34 API RW - @ -° F Chlorides - ppm

(A) Initial Hydrostatic 1399 Test 1150 T-On Location 1600
 (B) First Initial Flow 14 Jars - T-Started 1635
 (C) First Final Flow 62 Safety Joint - T-Open 1755
 (D) Initial Shut-In 1195 Circ Sub - T-Pulled 2055
 (E) Second Initial Flow 71 Hourly Standby - T-Out 2239
 (F) Second Final Flow 99 Mileage 198.40 Comments MOTEL
 (G) Final Shut-In 1187 Sampler -
 (H) Final Hydrostatic 1386 Straddle -
 Shale Packer -
 Ruined Shale Packer -
 Extra Packer -
 Ruined Packer -
 Extra Copies -

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1348.40
 MP/DST Disc't -
 Sub Total 1348.40

Approved By JJ Z FA Our Representative Rag Elwager Thank you

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51638

4/10

Well Name & No. Dixon #1-32 Test No. 3 Date 1-25-13
 Company Oreeling Oil Inc Elevation 1714 KB 1706 GL
 Address 1008 Cody Ave PO Box 550 Hays, Ks 67601-2431
 Co. Rep / Geo. Roger Fisher Rig WW rig 12
 Location: Sec. 32 Twp. 8^s Rge. 12^w Co. Osborne State Ks

Interval Tested 3004-3019 Zone Tested LKC 'C'
 Anchor Length 15 Drill Pipe Run 2882 Mud Wt. 8.9
 Top Packer Depth 2999 Drill Collars Run 120 Vis 40
 Bottom Packer Depth 3004 Wt. Pipe Run — WL 6.4
 Total Depth 3019 Chlorides 800 ppm System LCM 2#

Blow Description IFP - Weak to Strong in 10 min
ISTP - surface Blow Back
FFP - Weak to Strong in 20 min
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>630</u>	<u>WATER</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 630 BHT 89 Gravity — API RW .10 @ 60 ° F Chlorides 90000 ppm

(A) Initial Hydrostatic 1424 Test 1150 T-On Location 0440
 (B) First Initial Flow 20 Jars T-Started 0515
 (C) First Final Flow 164 Safety Joint T-Open 0650
 (D) Initial Shut-In 1216 Circ Sub T-Pulled 0950
 (E) Second Initial Flow 165 Hourly Standby T-Out 1137
 (F) Second Final Flow 318 Mileage 198.40 Comments no TEL
 (G) Final Shut-In 1217 Sampler
 (H) Final Hydrostatic 1418 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 130
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1348.40
 Total 1348.40
 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

LITHOLOGY STRIP LOG

WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Dixon #1-32
Location: S2-NW-SW-SW/4 Section 32 T8S-R12W
License Number: API: 15-141-20456-00-00
Spud Date: Jan 21, 2013
Surface Coordinates: 800' FSL & 330' FWL Section 32 T8S-R12W
Region: Osborne Co, KS
Drilling Completed: Jan 26, 2013

Bottom Hole Coordinates:

Ground Elevation (ft): 1706' K.B. Elevation (ft): 1714'
Logged Interval (ft): NTD To: TD Total Depth (ft): 3210
Formation:
Type of Drilling Fluid: Chemical Displaced at 2500'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Drilling Oil Inc.
Address: 1008 Cody Ave.
P.O. Box 550
Hays, KS 67601

GEOLOGIST

Name: Roger L. Fisher
Company: Consulting Geologist
Address: 1928 N Garland
Wichita Kansas, 67203

COMMENTS

WW Drig Rig #12
Surface Casing: 219' of 8" 7/8"
Andy's Mud Co
OH Logs: Nabors Wireline; DILL, CDL/CNL

5 1/2" Casing was set to further evaluate positive DST's.

ROCK TYPES

