



KANSAS CORPORATION COMMISSION 1101561
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: _____

1101561



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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Dreiling Oil Inc
Well Name	CORPSTEIN 1-4
Doc ID	1101561

All Electric Logs Run

Dual Induction
Neutron/Density
Micro
Sonic

ALLIED OIL & GAS SERVICES, LLC 056155

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell

DATE <u>6/26/12</u>	SEC. <u>4</u>	TWP <u>9S</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Crosstex</u>	WELL # <u>1-4</u>		LOCATION <u>Way 1346 Road 17 W</u>	<u>1346 Road</u>	<u>17 W</u>	COUNTY <u>Osage</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>Sink</u>				

CONTRACTOR WW #12

TYPE OF JOB R Pln

HOLE SIZE 7 7/8 T.D. 300

CASING SIZE 5 1/2 DEPTH 200

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 265 yd 6 1/2 47.6 gal
4 # flow joint

COMMON	<u>123</u>	@	<u>16.25</u>	<u>1995.75</u>
POZMIX	<u>52</u>	@	<u>8.50</u>	<u>691.00</u>
GEL	<u>5</u>	@	<u>21.25</u>	<u>176.25</u>
CHLORIDE		@		
ASC		@		
	<u>flow joint 2 5/8</u>	@	<u>2.70</u>	<u>135.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>215</u>	@	<u>2.25</u>	<u>483.75</u>
MILEAGE	<u>9.000</u>		<u>.11</u>	<u>990.00</u>
TOTAL				<u>4430.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Kald

409 HELPER Kenny

BULK TRUCK

781 DRIVER Roberty

BULK TRUCK

DRIVER

REMARKS:

1 and 1/2 hrs at 7 7/8 mix 25% cement
2 and 1/2 hrs at 6 1/2 mix 5% cement
mix 10% cement class line. Call to 270
and 1/2 hrs mix 4% cement. Call to
via internet workstation and cement to get
10% plug out hole 300x

Thanks!

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>MILV 40</u>		@	<u>7.00</u> <u>280.00</u>
MANIFOLD		@	
<u>MILV 40</u>		@	<u>4.00</u> <u>160.00</u>
TOTAL <u>1690.00</u>			

CHARGE TO: Berline Oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

5/8 in wooden plug @ 64.00



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601-0550

ATTN: Terry Peisker

Corpstein #1-4

4-9s-12w Osborne,KS

Start Date: 2012.06.23 @ 11:10:09

End Date: 2012.06.23 @ 16:38:33

Job Ticket #: 47175 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.06.27 @ 14:43:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Inc
PO Box 550
Hays KS 67601-0550
ATTN: Terry Peisker

4-9s-12w Osborne, KS
Corpstein #1-4
Job Ticket: 47175 **DST#: 1**
Test Start: 2012.06.23 @ 11:10:09

GENERAL INFORMATION:

Formation: **LKC A-B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:04:34
Time Test Ended: 16:38:33
Interval: **2862.00 ft (KB) To 2928.00 ft (KB) (TVD)**
Total Depth: 2928.00 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: 1649.00 ft (KB)
1641.00 ft (CF)
KB to GR/CF: 8.00 ft

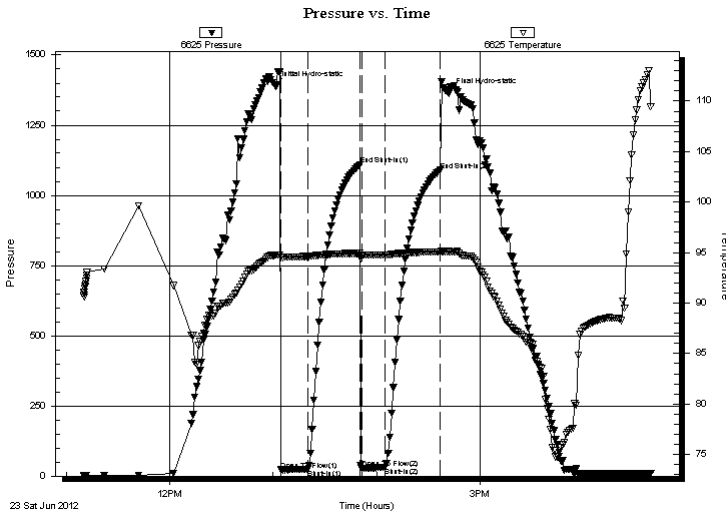
Serial #: 6625

Inside

Press @ Run Depth: 30.77 psig @ 2868.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.23 End Date: 2012.06.23 Last Calib.: 2012.06.23
Start Time: 11:10:09 End Time: 16:38:33 Time On Btm: 2012.06.23 @ 13:01:04
Time Off Btm: 2012.06.23 @ 14:41:34

TEST COMMENT: 15-IFP-surface bl, died in 10 min
30-ISIP-no bl
15-FFP-no bl
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1392.60	94.73	Initial Hydro-static
4	22.14	94.55	Open To Flow (1)
19	24.51	94.61	Shut-In(1)
49	1108.67	94.93	End Shut-In(1)
50	28.07	94.74	Open To Flow (2)
64	30.77	94.76	Shut-In(2)
96	1089.51	95.05	End Shut-In(2)
101	1364.79	95.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/show of oil	0.05

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 67601-0550
ATTN: Terry Peisker

4-9s-12w Osborne, KS
Corpstein #1-4
Job Ticket: 47175 **DST#: 1**
Test Start: 2012.06.23 @ 11:10:09

Tool Information

Drill Pipe:	Length: 2728.00 ft	Diameter: 3.80 inches	Volume: 38.27 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: 50000.00 lb
			<u>Total Volume: 38.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2862.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2842.00	
Shut In Tool	5.00			2847.00	
Hydraulic tool	5.00			2852.00	
Packer	5.00			2857.00	21.00 Bottom Of Top Packer
Packer	5.00			2862.00	
Stubb	1.00			2863.00	
Perforations	5.00			2868.00	
Recorder	0.00	6625	Inside	2868.00	
Recorder	0.00	8700	Outside	2868.00	
Blank Spacing	32.00			2900.00	
Perforations	25.00			2925.00	
Bullnose	3.00			2928.00	66.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
PO Box 550
Hays KS 67601-0550
ATTN: Terry Peisker

4-9s-12w Osborne,KS
Corpstein #1-4
Job Ticket: 47175 **DST#: 1**
Test Start: 2012.06.23 @ 11:10:09

Mud and Cushion Information

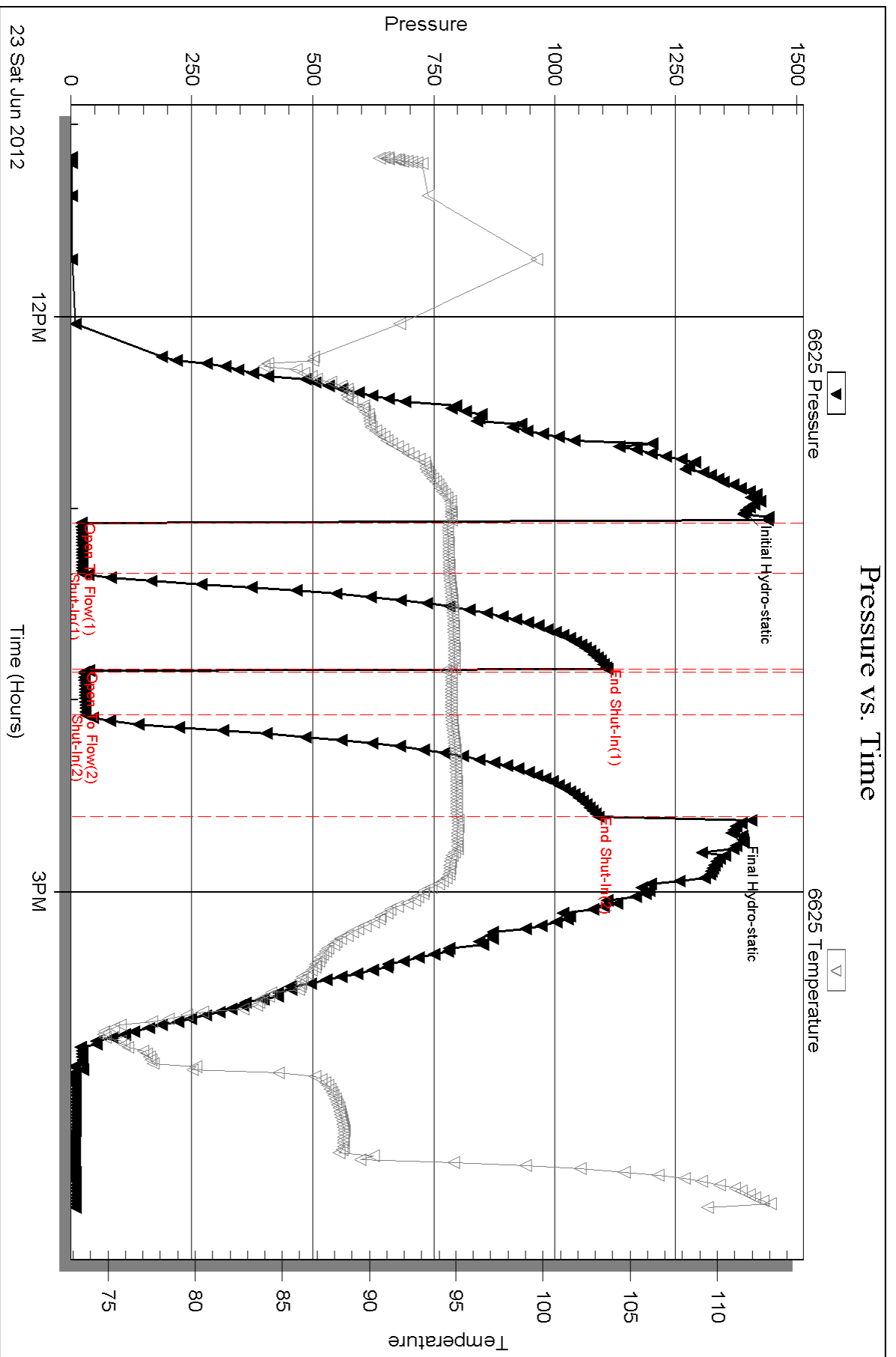
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/show of oil	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:

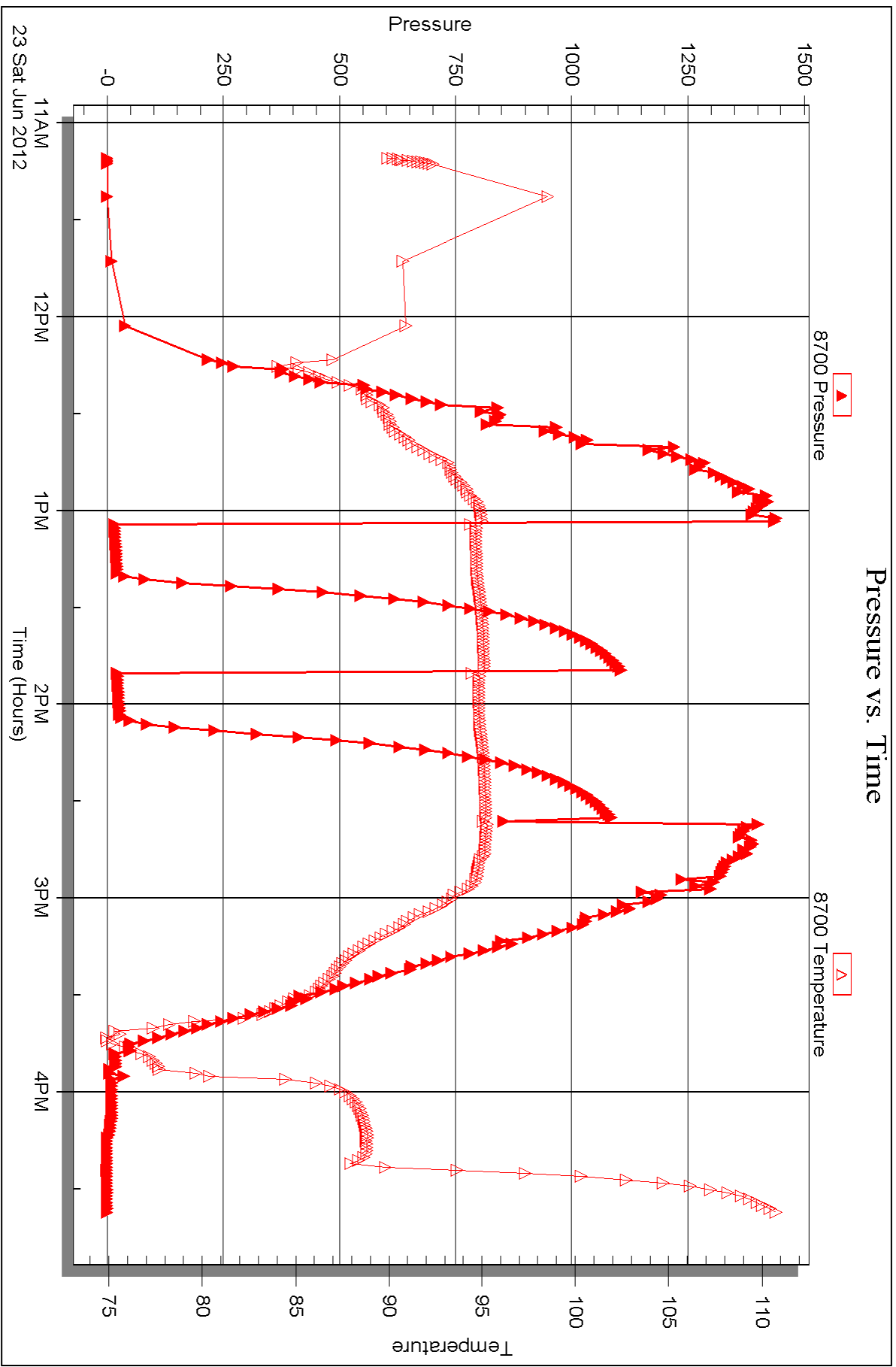


Serial #: 8700

Outside Drilling Oil Inc

Corpstein #1-4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47175

Printed: 2012.06.27 @ 14:43:46



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601-0550

ATTN: Terry Peisker

Corpstein #1-4

4-9s-12w Osborne,KS

Start Date: 2012.06.23 @ 22:51:04

End Date: 2012.06.24 @ 05:46:58

Job Ticket #: 47426 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.06.27 @ 14:42:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc
 PO Box 550
 Hays KS 67601-0550
 ATTN: Terry Peisker

4-9s-12w Osborne, KS
Corpstein #1-4
 Job Ticket: 47426 **DST#: 2**
 Test Start: 2012.06.23 @ 22:51:04

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:51:59
 Tester: Ray Schwager
 Time Test Ended: 05:46:58
 Unit No: 42
Interval: 2930.00 ft (KB) To 2946.00 ft (KB) (TVD)
 Reference Elevations: 1649.00 ft (KB)
 Total Depth: 2946.00 ft (KB) (TVD) 1641.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

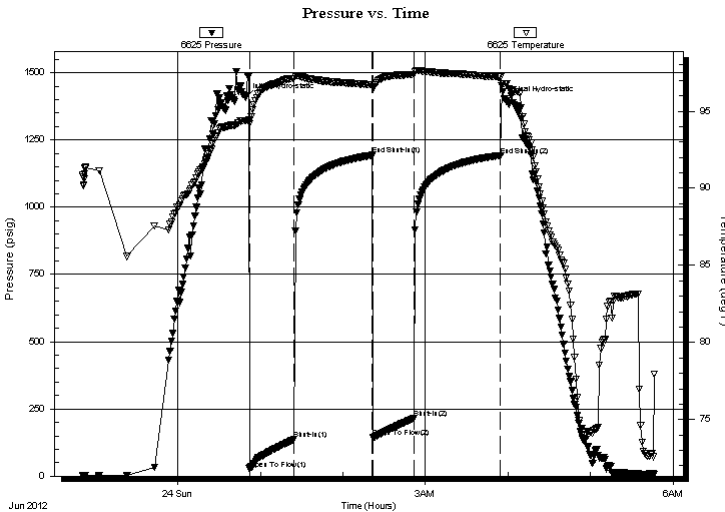
Serial #: 6625

Inside

Press @ Run Depth: 214.48 psig @ 2931.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.23 End Date: 2012.06.24 Last Calib.: 2012.06.24
 Start Time: 22:51:04 End Time: 05:46:58 Time On Btm: 2012.06.24 @ 00:49:29
 Time Off Btm: 2012.06.24 @ 03:58:28

TEST COMMENT: 30-IFP-w k to strg in 16 min
 60-ISIP-no bl bk
 30-FFP-w k to strg in 18 min
 60-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1407.22	94.40	Initial Hydro-static
3	27.34	94.18	Open To Flow (1)
35	136.34	97.12	Shut-In(1)
92	1193.42	96.73	End Shut-In(1)
93	144.32	96.52	Open To Flow (2)
122	214.48	97.39	Shut-In(2)
185	1192.75	97.22	End Shut-In(2)
189	1394.85	96.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Water	3.96
30.00	Water w /scum of oil	0.42

* 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 67601-0550
ATTN: Terry Peisker

4-9s-12w Osborne, KS
Corpstein #1-4
Job Ticket: 47426 **DST#: 2**
Test Start: 2012.06.23 @ 22:51:04

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:	27.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	2930.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2910.00	
Shut In Tool	5.00			2915.00	
Hydraulic tool	5.00			2920.00	
Packer	5.00			2925.00	21.00 Bottom Of Top Packer
Packer	5.00			2930.00	
Stubb	1.00			2931.00	
Recorder	0.00	6625	Inside	2931.00	
Recorder	0.00	8700	Outside	2931.00	
Perforations	12.00			2943.00	
Bullnose	3.00			2946.00	16.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
PO Box 550
Hays KS 67601-0550
ATTN: Terry Peisker

4-9s-12w Osborne,KS
Corpstein #1-4
Job Ticket: 47426 **DST#: 2**
Test Start: 2012.06.23 @ 22:51:04

Mud and Cushion Information

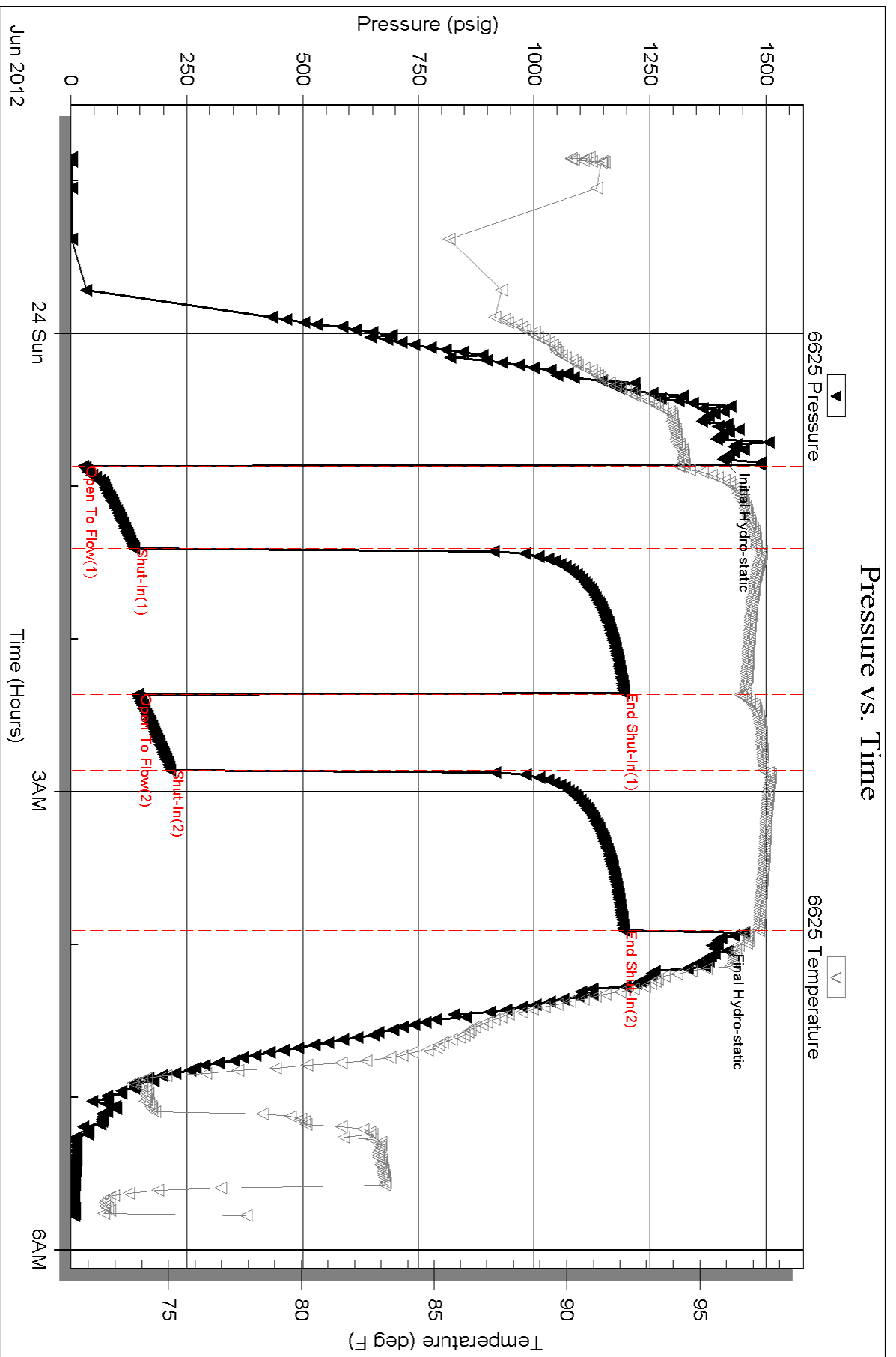
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	96000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.51 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Water	3.957
30.00	Water w/scum of oil	0.421

Total Length: 390.00 ft Total Volume: 4.378 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .07@78F

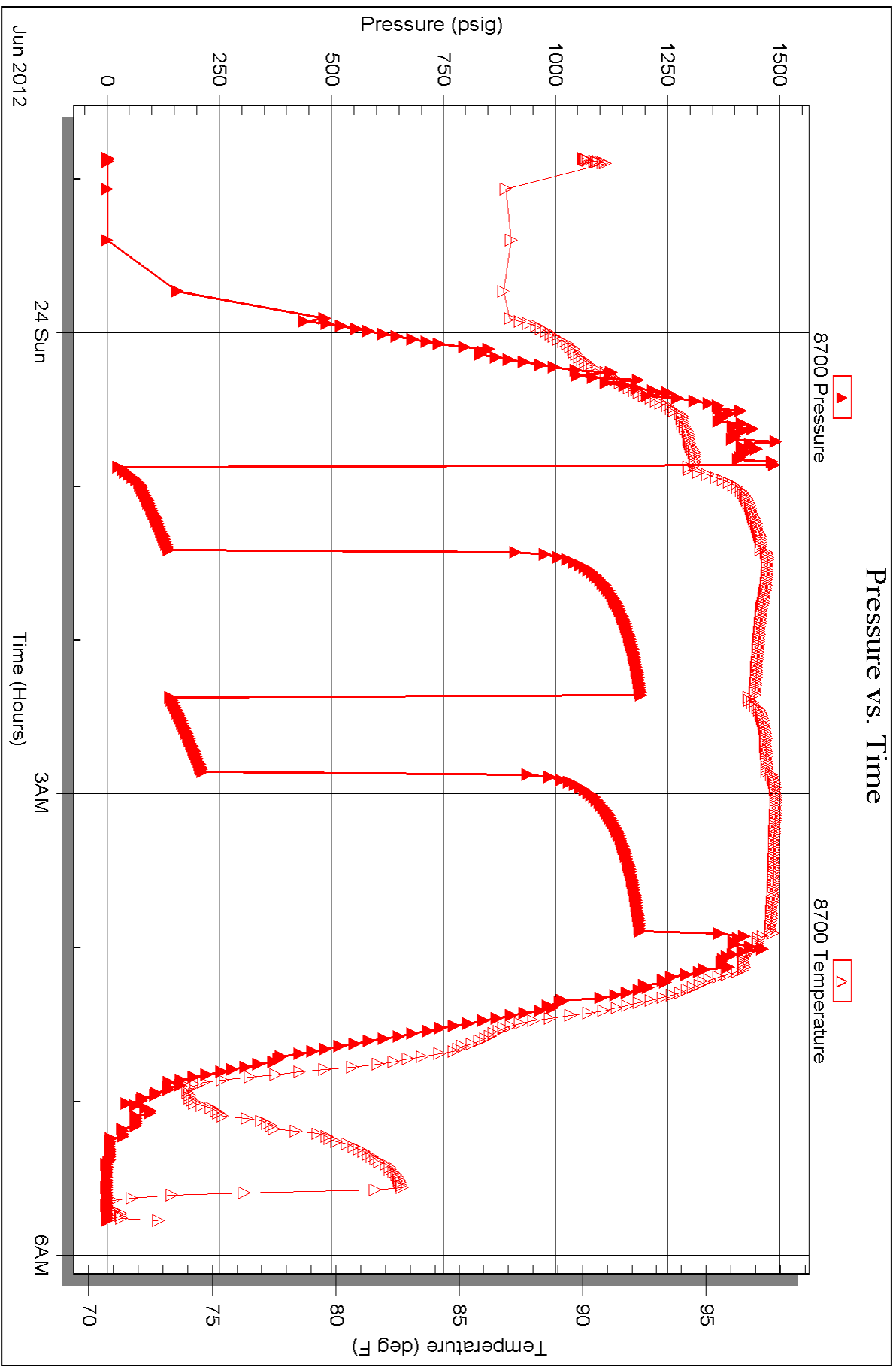


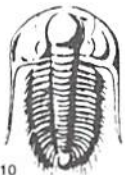
Serial #: 8700

Outside Drilling Oil Inc

Corpstein #1-4

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47175

Well Name & No. CorpsTein #1-4 Test No. 1 Date 6-23-12
 Company Orteling Oil Inc Elevation 1649 KB 1641 GL
 Address P O Box 550 Hays, Ks 67601-0550
 Co. Rep / Geo. _____ Rig WWRig 12
 Location: Sec. 4 Twp. 9^s Rge. 12^w Co. Osborne State Ks

Interval Tested 2862-2928 Zone Tested LKC A-B
 Anchor Length 66 Drill Pipe Run 2728 Mud Wt. 9.2
 Top Packer Depth 2857 Drill Collars Run 120 Vis 55
 Bottom Packer Depth 2862 Wt. Pipe Run - WL 9.6
 Total Depth 2928 Chlorides 5000 ppm System LCM -

Blow Description IFP - surface Blow, died in 10 min
ISIP - NO Blow
FFP - NO Blow
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud w/show of oil</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 10 BHT 95 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1392</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0900</u>
(B) First Initial Flow <u>22</u>	<input type="checkbox"/> Jars	T-Started <u>1110</u>
(C) First Final Flow <u>24</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1305</u>
(D) Initial Shut-In <u>1108</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1435</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1638</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT</u> 201.50	Comments <u>motcl</u>
(G) Final Shut-In <u>1089</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1364</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Total <u>1351.50</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1351.50</u>	

Approved By Bill Rep 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47426

Well Name & No. Corpstein #1-4 Test No. 2 Date 6-23-12
 Company DREILING OIL INC Elevation 1649 KB 1641 GL
 Address PO Box 550 Hays, Ks 67601
 Co. Rep / Geo. Bill Ree Rig WW rig 12
 Location: Sec. 4 Twp. 9^s Rge. 12^w Co. Osborne State Ks

Interval Tested 2930 - 2946 Zone Tested LKC C
 Anchor Length 16 Drill Pipe Run 2816 Mud Wt. 9.3
 Top Packer Depth 2925 Drill Collars Run 120 Vis 52
 Bottom Packer Depth 2930 Wt. Pipe Run - WL 9.6
 Total Depth 2946 Chlorides 5000 ppm System LCM 2#

Blow Description IFP - WEAK TO A STRONG BLOW IN 16 MIN
ISIP - NO BLOW
FFP - WEAK TO A STRONG BLOW IN 18 MIN
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>WATER w/sum of oil</u>				
<u>360</u>	<u>WATER</u>				

Rec Total 390 BHT 97 Gravity - API RW .07 @ 78 °F Chlorides 96000 ppm
 Test 1150 T-On Location 2150
 Jars T-Started 2250
 Safety Joint T-Open 0055
 Circ Sub T-Pulled 0355
 Hourly Standby T-Out 0546 24th
 Mileage 201.50 x 2 403 Comments motel 6-24-12
 Sampler Loaded Tool 1500
 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1553
 Accessibility MP/DST Disc't

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 1553

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.

GEOLOGICAL REPORT

**DRILLING TIME
AND
SAMPLE LOG**

COMPANY Drilling Oil, Inc.

LEASE Corpstein WELL NO. 1-4

FIELD Wildcat

LOCATION 1000' FNL & 2310' FEL

SEC. 4 TWP. 9 S. RGE. 12 W.

COUNTY Osborne STATE Kansas

CONTRACTOR WW Drig RIG NO. 12

COMMENCED DRILLING 6/20/12

COMPLETED DRILLING 6/26/12

RDT 3610 FEET LTD 3606 FEET

MUD UP AT 2200 FEET MUD TYPE Chemical

ELEVATIONS

KB 1649 FEET

DF _____ FEET

GL 1641 FEET

MEASUREMENTS ARE ALL FROM KB

CASING

8 5/8" @ 222'

W/158 SX.

D & A

ELECTRICAL SURVEYS

CDL/CNL

DIL

MEL

SAMPLES SAVED FROM 2300 FEET TO FTD 3610 FEET

DRILLING TIME KEPT FROM 2300 FEET TO _____ FEET

SAMPLES EXAMINED FROM 2300 FEET TO _____ FEET

GEOLOGICAL SUPERVISION FROM 2300 FEET TO _____ FEET


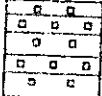
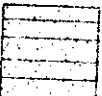



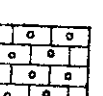
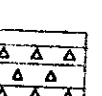

GEOLOGIST Bill Ree

DRILL STEM TESTING BY Trilobite Testing

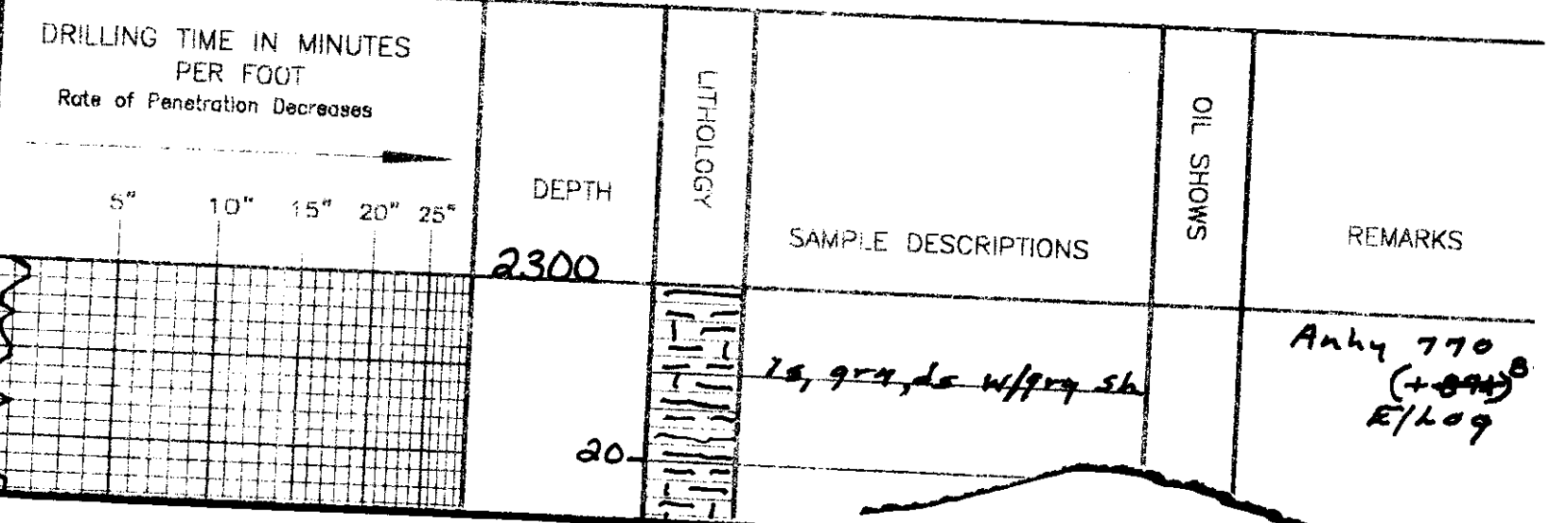
GAS DETECTOR MBC Hot Wire & Chromatograph

REMARKS It was recommended this well be plugged & abandoned after drillstem testing the Lansing "A", "B", and "C" zones with negative results. Of particular interest was the "C" zone which had a show of free oil in samples & on DST. A gas structure nearby would probably result in an oil well.

LEGEND

- 
Anhydrite
- 
Salt
- 
Sandstone
- 
Shale
- 
Carb sh
- 
Limestone
- 
Ool. Lime
- 
Chert
- 
Dolomite

Bill Ree



Stoller
2336 (-687)

Log 2336 (-687)

ls, brn, ds w/sh AA
sh, gry

40

ls, wh to lt gry, ds
to fr foss

60

AA - beachy

80

T&K 10
2390 (-740)

Log 2392 (-743)

2400

Dirty spl

20

ls, gry to tan & wh,
xln/frg

ls, tan, xln/ds
w/gry sh strks

40

ls, tan/gry/brn,
ds, sl chiky

60

AA w/red & gry sh
strks

sh, gry, hd strks

80

sh & ls fr ab

2500

20

40

ls, tan to wh, xln,
ds

60

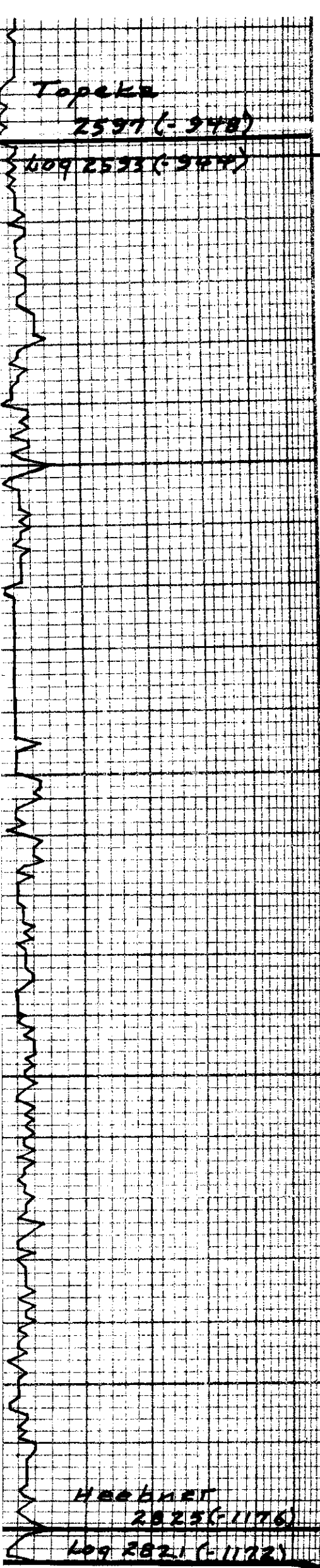
ls, tan/wh, xln/ds

AA, sl frg

Howe
2560 (-911)

Log 2554 (-905)

VIS 62
WT 0.8



Topok
2597 (-948)

Log 2593 (-944)

2600

1s, whlt grn, xln/ds
to frq. No vis ϕ , N.S.

Note: spl catcher
says sl. odor.

20

1s, AA, Tr int part $\frac{1}{2}$
pp ϕ , N.S.

40

AA

60

1s, grn matt, ds, pass
w/red $\frac{1}{2}$ grn sh strks
Tr ss, grn spkd, f. gr
inc red $\frac{1}{2}$ grn sh AA

80

2700

1s, wh, ds to sub-lith

20

AA

40

1s, grn, ds $\frac{1}{2}$ frq

1s, wh/tan, ds
w/grn, green, 2rg.

60

1s, grn, ds - frq

80

1s, wh $\frac{1}{2}$ grn - matt
in pt.

2800

1s, tan/grn, f. xln
to frq - tr Δ , tan,
pass, ope

20

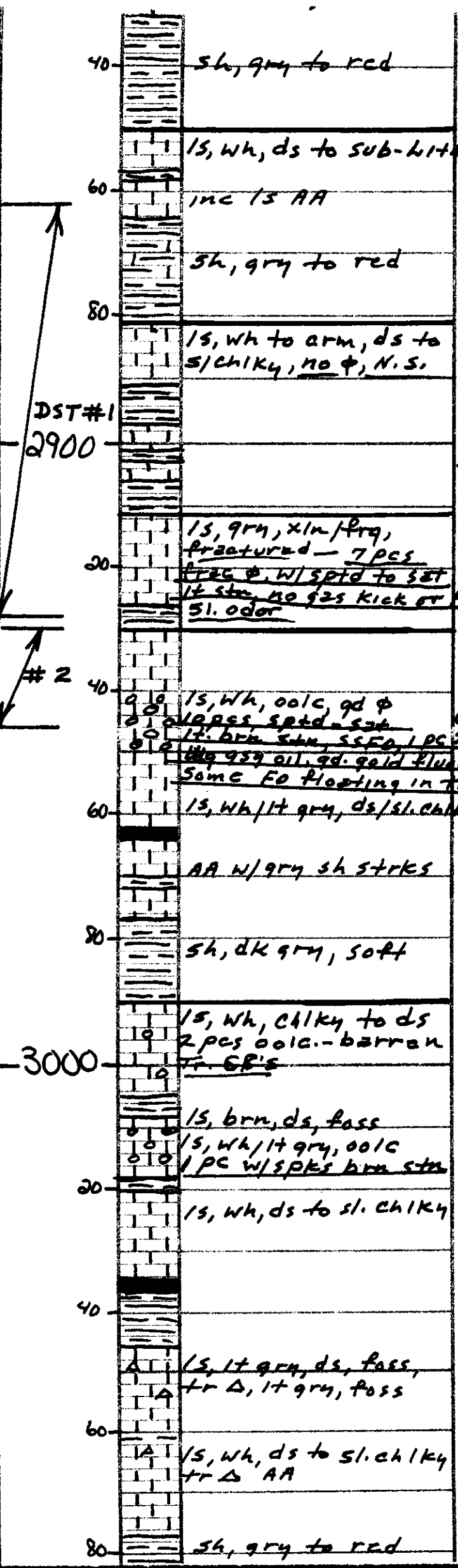
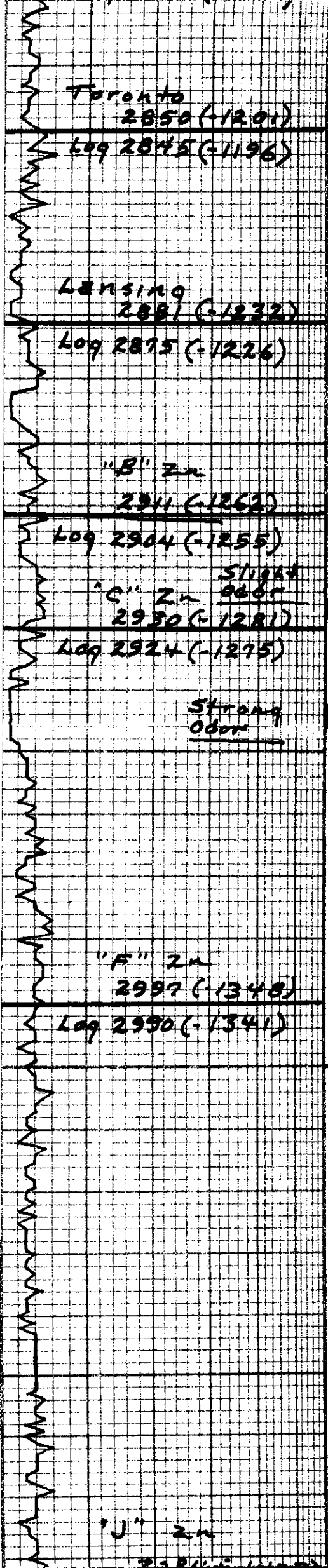
AA, tr pass

Hobbit
2825 (-1176)

Log 2821 (-1172)

1s, tan, ds

CFS 2610-



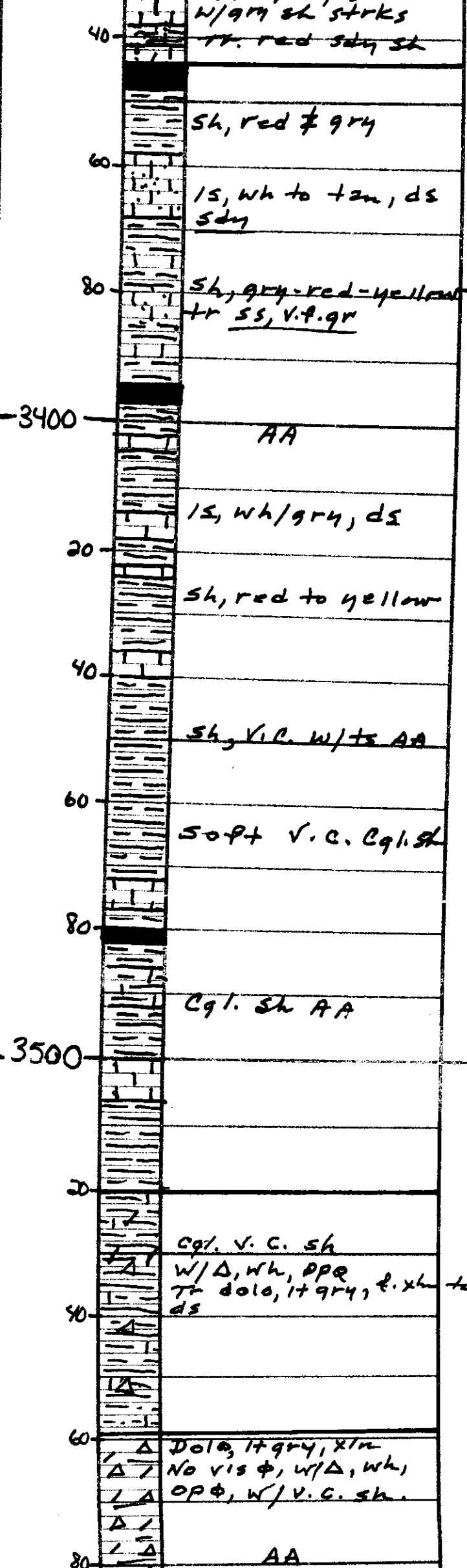
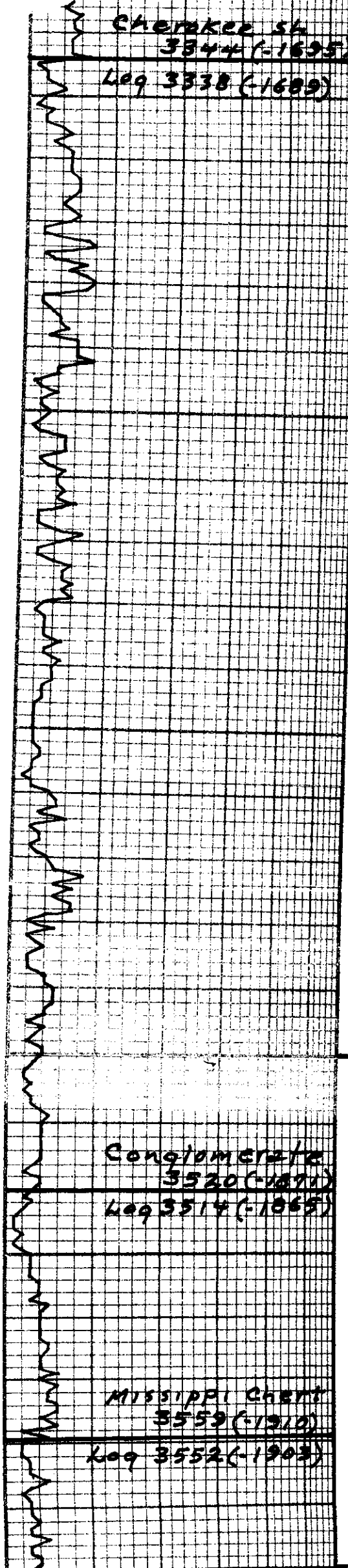
DST #1 2862-2900
 15/30/15/30
 1st Op - Surf for
 2d Op - No Blow
 Rec 10' Mud/W/
 SIP 1108-1089
 IFP 22-24
 FFP 28-30
 HP 1392-1364

DST #2 2930-2920
 30/60/30/60
 1st Op - SB in 16
 2d Op - SB in 18
 Rec. 30' W/Scum
 360' W
 390' Total
 SIP 1193-1192
 IFP 27-136
 FFP 144-214
 HP 1407-1394

CFS 2900
 CFS 2920
 CFS 2940

CFS 3005

Vis 45
 WT 9.5
 WL 14.0



Cherokee sh
3344 (-1695)

Log 3338 (-1689)

Conglomerate
3520 (-1870)

Log 3514 (-1865)

MISSISSIPPI CHERT
3559 (-1910)

Log 3552 (-1903)

W/gr sh strks
rr. red sdy sh

sh, red & gry

ls, wh to tan, ds
sdm

sh, gry-red-yellow
tr ss, v.f. gr

AA

ls, wh/gry, ds

sh, red to yellow

sh, v.c. w/tr AA

soft v.c. Cgl. sh

Cgl. sh AA

Cgl. v. c. sh
w/d, wh, opp
tr dolo, lt gry, f. xh to
ds

dolo, lt gry, xln
No vis φ, w/d, wh,
opp, w/v.c. sh.

AA

Kinderhook 15
 3593 (-1944)
 Log 3587 (-1938)

RTD 3610 (-1961)
 LTD 3604 (-1955)

3600

20

40

DEPTH	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
0 - 10	ls, gry to tan, ds		
10 - 20	dolo, wh/ tan, sl chkn WLS AA		
20 - 30			
30 - 40			
40 - 50			
50 - 60			
60 - 70			
70 - 80			
80 - 90			
90 - 100			

Vis 53
 wt 9.6
 wk 12.0

5" 10" 15" 20" 25"
 DRILLING TIME Minutes/Foot
 Rate of Penetration Decreases

CONTRACTOR WW D-19 #12
 LEASE Corpstein #1-4 IP
 ELEVATION 1649 KB RTD 3610

LOCATION 1,000' FNL & 2,310' FEL
 SEC 4 TWP 9 S. RNG 12 W.
 COUNTY Osborne STATE Kansas