



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 <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6696

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-15-13	23	15	19	Ellis	KS		8:00p.m.
Lease				Well No.		Owner	
Reicher +				2		To Quality Oilwell Cementing, Inc.	
Contractor						You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job						Charge To	
Production String						Double D's	
Hole Size		T.D.		Street		City State	
7 7/8		3678					
Csg.		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
5 1/2		3676					
Tbg. Size		Depth		Cement Amount Ordered			
				2000m 10% salt 5% G. Kenite			
Tool		Depth		Meas Line		Displace	
				88 3/4 B/L		2000 KCL 500 gal mud flush	
Cement Left in Csg.		Shoe Joint		Common		200	
39.84		39.84		Poz. Mix			
EQUIPMENT				Gel.			
Pumptrk		No.		Driver		Calcium NCL 2 gal	
9		Cement		David			
Bulktrk		No.		Driver		Hulls	
		Helper		Cody		Salt 18	
Bulktrk		No.		Driver		Flowseal	
3		Driver		David		Kol-Seal 1000#	
		Driver				Mud CLR 48 500 gal	
		Driver				CFL-117 or CD110 CAT 38	
		Driver				Sand	
		Driver				Handling 228	
		Driver				Mileage	
		Driver				FLOAT EQUIPMENT	
		Driver				Guide Shoe	
		Driver				Centralizer 8 Turbo's	
		Driver				Baskets 2	
		Driver				AFU Inserts	
		Driver				Float Shoe 1	
		Driver				Latch Down 1	
		Driver				(Rotator)	
		Driver				Pumptrk Charge	
		Driver				14 Prod Long String	
		Driver				Mileage	
		Driver				Tax	
		Driver				Discount	
		Driver				Total Charge	

Location Hays 7s to 20d KED 4w 1 1/2s into

Lease Reicher +

Well No. 2

Owner To Quality Oilwell Cementing, Inc.

Contractor Reicher +

Type Job Production String

Hole Size 7 7/8

T.D. 3678

Csg. 5 1/2

Depth 3676

Tbg. Size

Depth

Tool

Depth

Cement Left in Csg. 39.84

Shoe Joint 39.84

Meas Line

Displace 88 3/4 B/L

EQUIPMENT

Pumptrk 9 No. Cementer

Helper

Bulktrk No. Driver

Driver

Bulktrk 3 No. Driver

Driver

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30SK

Mouse Hole 15SK

Centralizers

Baskets

D/V or Port Collar

5 1/2 size 3076 ball 36 36.16

Est. Circulation - Pump 500 gal mud down

100L spacer Plug Rathole & mousehole

Cement 5 1/2 with 155SK. Clear lines +

Displace Plug. Plug landed @

2000# Held. Release Pressure

Dry.

Charge To Double D's

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 2000m 10% salt 5% G. Kenite

Meas Line Displace 88 3/4 B/L

2000 KCL 500 gal mud flush

Common 200

Poz. Mix

Gel.

Calcium NCL 2 gal

Hulls

Salt 18

Flowseal

Kol-Seal 1000#

Mud CLR 48 500 gal

CFL-117 or CD110 CAT 38

Sand

Handling 228

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer 8 Turbo's

Baskets 2

AFU Inserts

Float Shoe 1

Latch Down 1

(Rotator)

Pumptrk Charge 14 Prod Long String

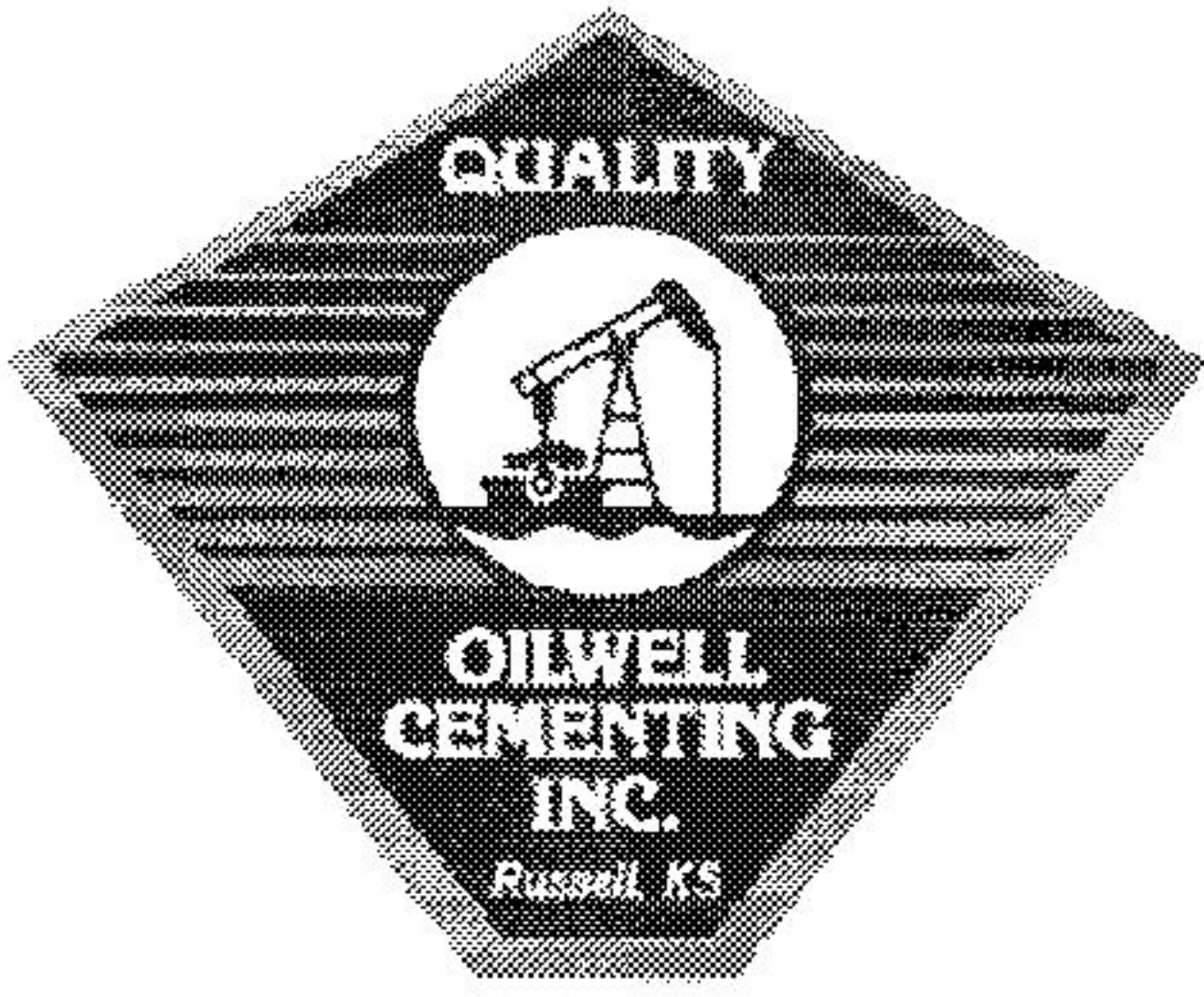
Mileage 14

Tax

Discount

Total Charge

X Signature Dechbal



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 4/13/2013
Invoice # 6736

P.O.#:
Due Date: 5/13/2013
Division: *Russell*

Invoice

Contact:
 DOUBLE D'S
Address/Job Location:
 DOUBLE D'S
 133 E 12TH
 HAYS KS 67601

Reference:
 REICHERT 2

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	450	\$ 6,126.69	Yes				
Bulk Truck Matl-Material Service Charge	475	\$ 1,031.43	No				
Calcium Chloride	16	\$ 827.92	Yes				
Flo Seal	225	\$ 488.57	Yes				
8 5/8" Basket	1	\$ 343.09	Yes				
Premium Gel (Bentonite)	10	\$ 176.75	Yes				
Pump Truck Mileage-Job to Nearest Camp	14	\$ 151.70	No				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	14	\$ 88.77	No				

Invoice Terms:

Net 30

SubTotal: \$ 10,439.10
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,565.86)

SubTotal for Taxable Items:	\$ 6,949.45
SubTotal for Non-Taxable Items:	\$ 1,923.79
Total:	\$ 8,873.24
Tax:	\$ 437.82

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ **9,311.06**
Applied Payments:
Balance Due: \$ **9,311.06**

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

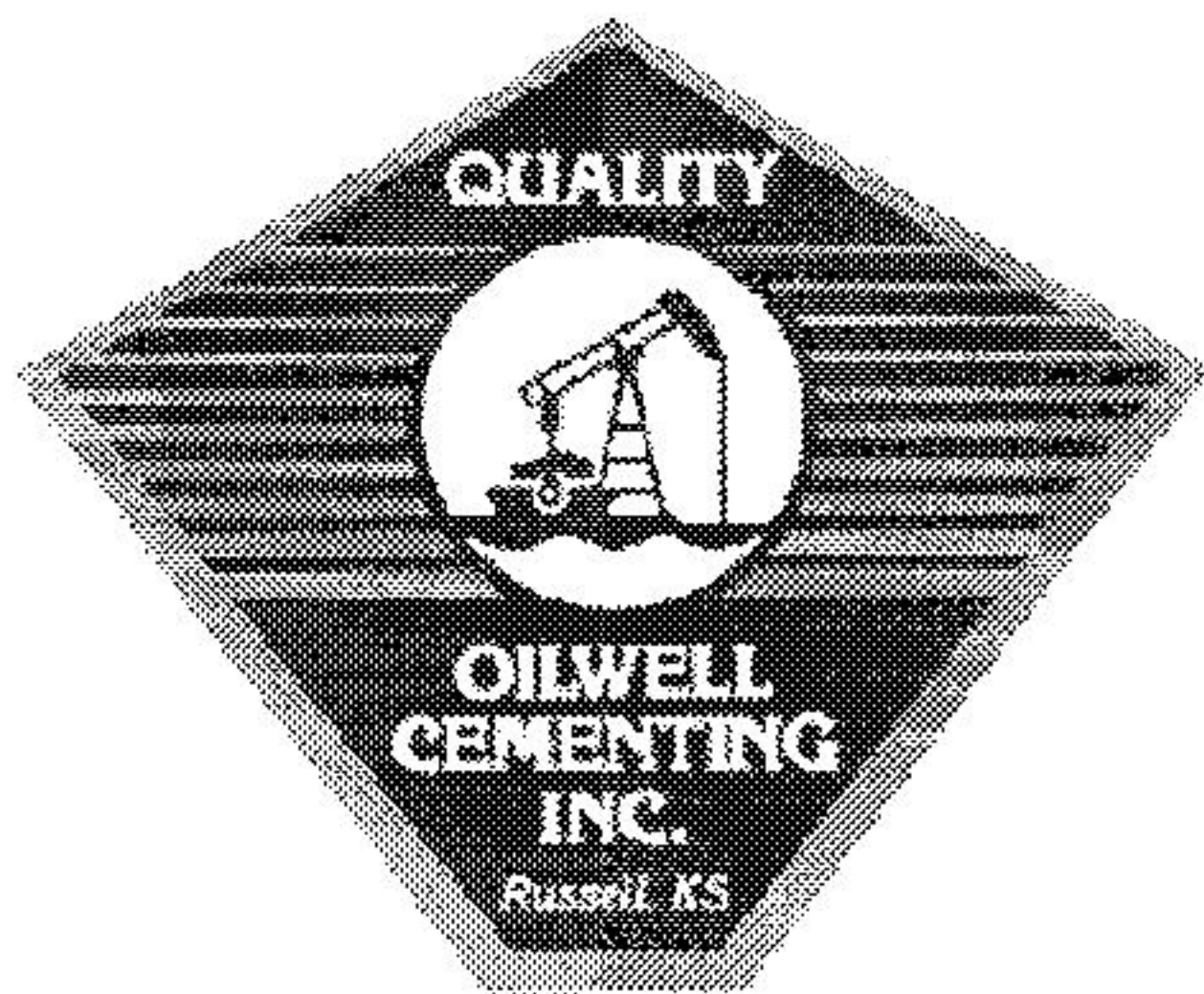
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6736

Date	4-10-13	Sec.	23	Twp.	15	Range	19	County	ELLIS	State	KS	On Location	9 pm	Finish	11:30 pm
Lease								Location		Antonio 3/4 S Winato					
Reichert #2								Well No.		2					
Contractor								Boyle R/S 4							
Type Job								Surface							
Hole Size								T.D.		1163					
Csg.								Depth		1163					
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg.								Shoe Joint		20 ft 20 ft					
Meas Line								Displace		72.5 B132 1/2 Flow Seal					
EQUIPMENT								Common 450							
Pumptrk 5								No. Cementer		Matt					
Bulktrk 12								No. Helper							
Bulktrk pu								No. Driver		Beeth					
								No. Driver		Heath					
								No. Driver							
								No. Driver							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Reichert #2							
Rat Hole								Salt							
Mouse Hole								Flowseal 225#							
Centralizers								Kol-Seal							
Baskets 28 lost Sount								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
Cement did								Sand							
Circulate								Handling 475							
								Mileage							
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets 1 8 5/8							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Baffle plate 8 5/8							
								Rubber plug							
								Pumptrk Charge Long Surface							
								Mileage 14							
								Tax							
								Discount							
								Total Charge							
X Signature								New Buses							



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone:785-324-1041 fax:785-483-1087
 Email: cementing@ruraltel.net

Date: 4/20/2013
Invoice # 6696

P.O.#:
Due Date: 5/20/2013
Division: Russell

Invoice

Contact:
 DOUBLE D'S
Address/Job Location:
 DOUBLE D'S
 133 E 12TH
 HAYS KS 67601

Reference:
 REICHERT 2

Description of Work:
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,239.23	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	14	\$88.77	No
Common-Class A	200	\$ 2,722.97	Yes				
Gilsonite	1000	\$ 1,628.57	Yes				
5 1/2" Turbolizer	8	\$ 503.77	Yes				
5 1/2" Basket	2	\$ 499.43	Yes				
Bulk Truck Matl-Material Service Charge	228	\$ 495.09	No				
Mud Clear	500	\$ 401.71	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 332.23	Yes				
Salt (Fine)	18	\$ 272.82	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 243.20	Yes				
Pump Truck Mileage-Job to Nearest Camp	14	\$ 151.70	No				

Invoice Terms:

Net 30		SubTotal: \$ 8,579.49
	<i>Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (1,286.92)
	SubTotal for Taxable Items:	\$ 5,614.00
	SubTotal for Non-Taxable Items:	\$ 1,678.57
	Total:	\$ 7,292.57
	Tax:	\$ 353.68
	Amount Due:	\$ 7,646.25
	Applied Payments:	
	Balance Due:	\$ 7,646.25

6.30% Ellis County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Double D's LLC
133 E 12th
Hays, Kansas 67601
ATTN: Al Downing

23-15s-19w
Reichert #2
Job Ticket: 52219 **DST#: 1**
Test Start: 2013.04.13 @ 17:47:02

GENERAL INFORMATION:

Formation: **LKC "A-B-C"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 20:20:00
 Time Test Ended: 23:45:30
 Interval: **3267.00 ft (KB) To 3316.00 ft (KB) (TVD)**
 Total Depth: 3316.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason Mclemore
 Unit No: 54
 Reference Elevations: 1987.00 ft (KB)
 1981.00 ft (CF)
 KB to GR/CF: 6.00 ft

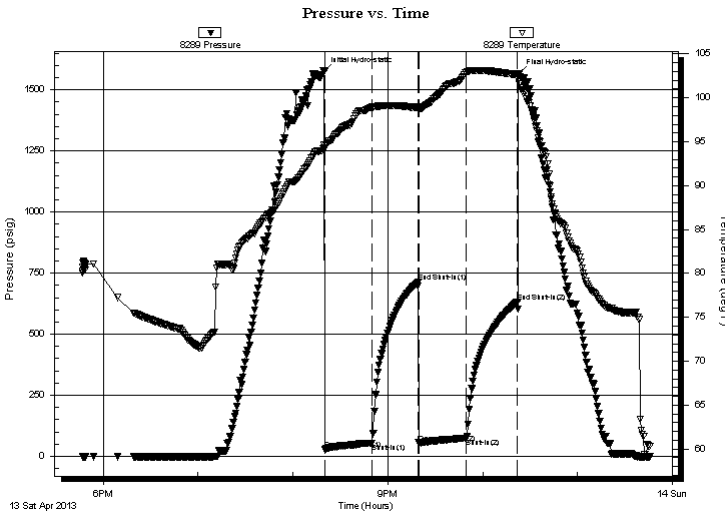
Serial #: 8289

Inside

Press @ Run Depth: 75.49 psig @ 3303.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.13 End Date: 2013.04.13 Last Calib.: 2013.04.13
 Start Time: 17:47:02 End Time: 23:45:30 Time On Btm: 2013.04.13 @ 20:19:45
 Time Off Btm: 2013.04.13 @ 22:22:45

TEST COMMENT: IFP- Weak blow . Built 3 inches.
 IS- Dead.
 FFP- Weak blow . Built 2 inches.
 FS- Dead.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1574.64	94.63	Initial Hydro-static
1	29.26	94.25	Open To Flow (1)
31	55.01	98.92	Shut-In(1)
60	712.31	98.88	End Shut-In(1)
60	55.52	98.57	Open To Flow (2)
90	75.49	102.91	Shut-In(2)
123	632.54	102.61	End Shut-In(2)
124	1565.41	102.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Muddy water. 75% w / 25% m	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

23-15s-19w

133 E 12th
Hays, Kansas 67601

Reichert #2

Job Ticket: 52219

DST#: 1

ATTN: Al Downing

Test Start: 2013.04.13 @ 17:47:02

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:

78000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	Muddy water. 75% w / 25% m	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8289

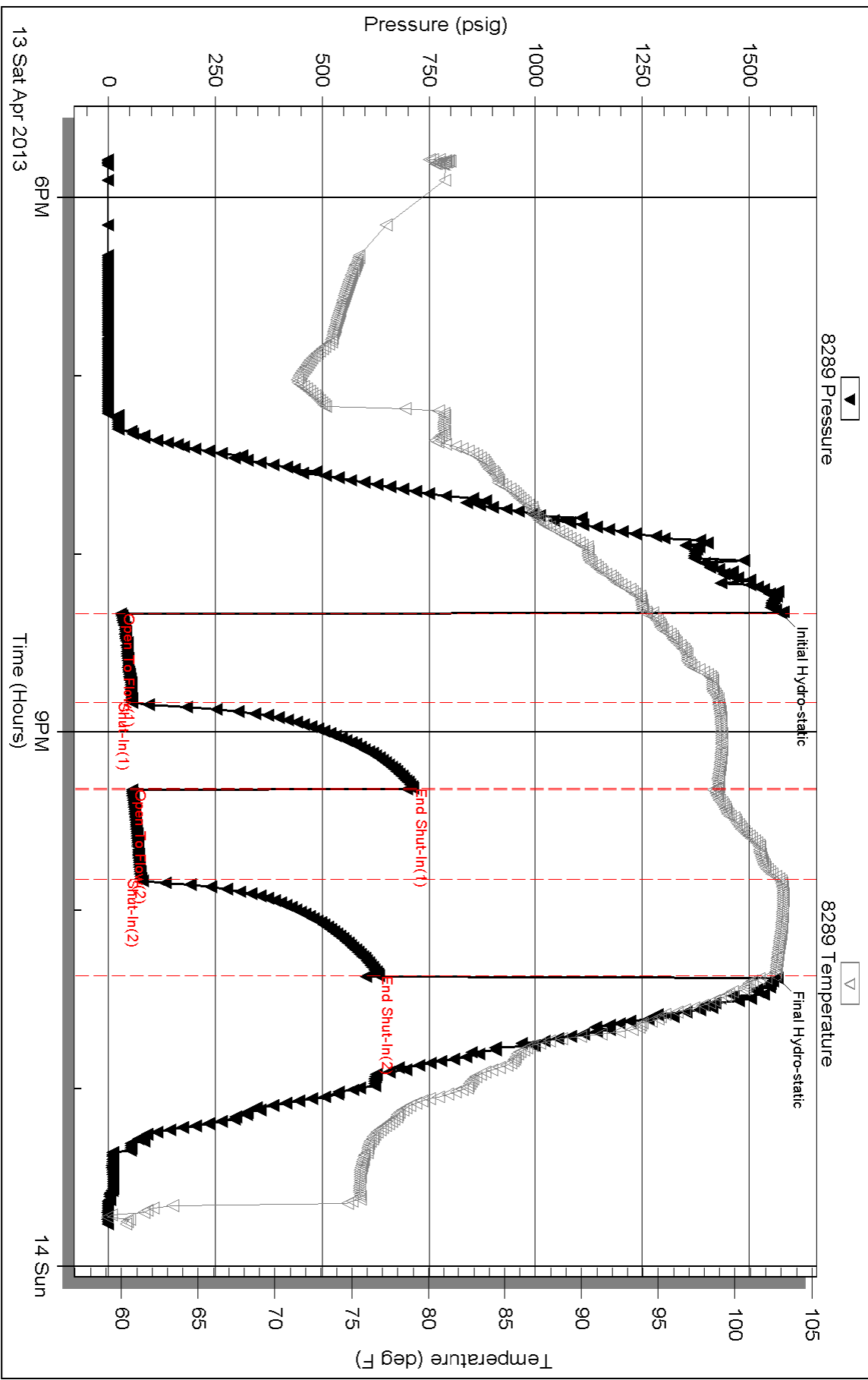
Inside

Double Ds LLC

Reichert #2

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52219

Printed: 2013.04.14 @ 06:11:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

23-15s-19w

133 E 12th
Hays, Kansas 67601

Reichert #2

Job Ticket: 52220

DST#: 2

ATTN: Al Downing

Test Start: 2013.04.14 @ 07:45:02

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:

53000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Muddy Water 60% w / 40% m	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

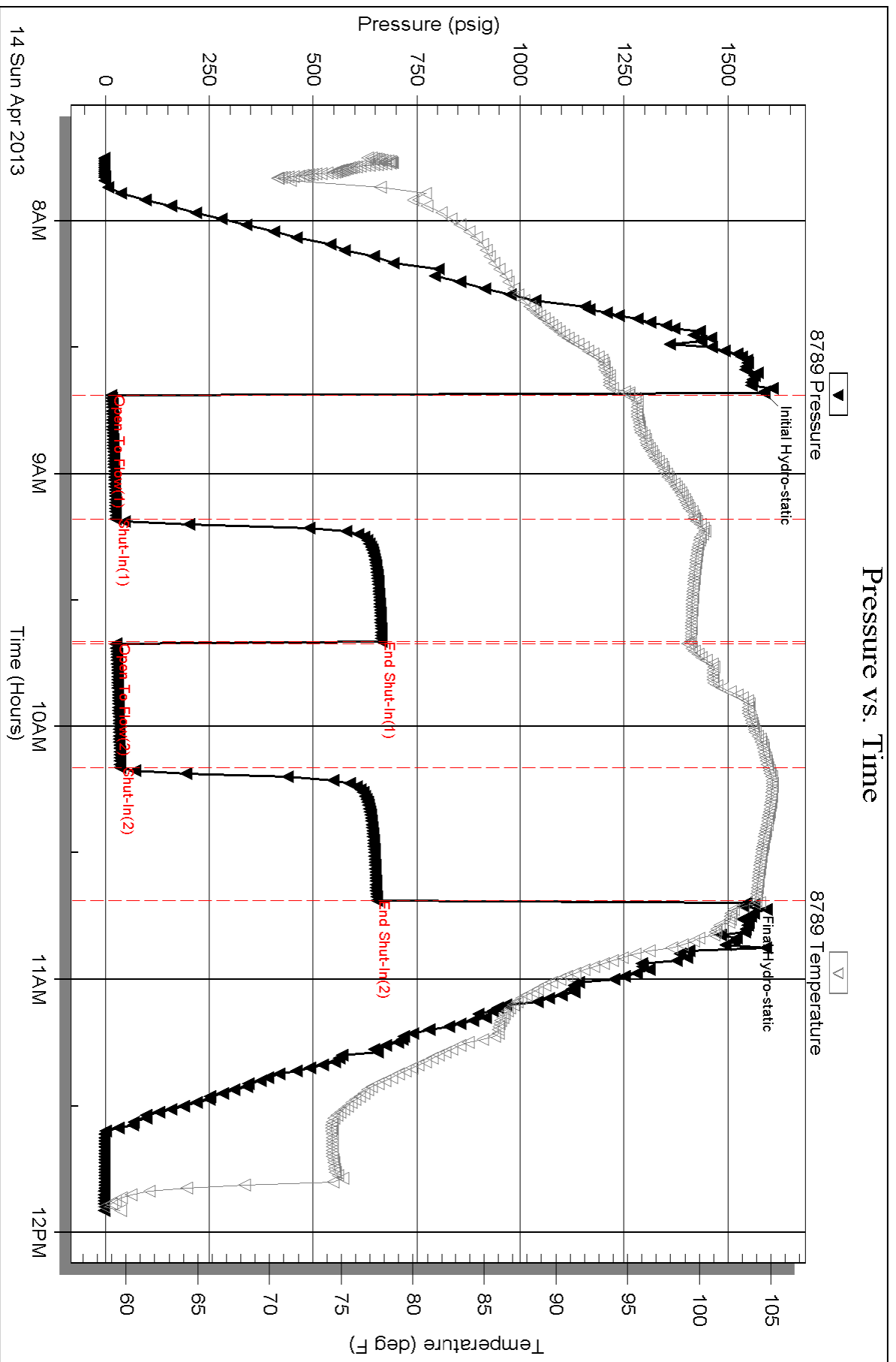
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Double D's LLC
 133 E 12th
 Hays, Kansas 67601
 ATTN: Al Downing

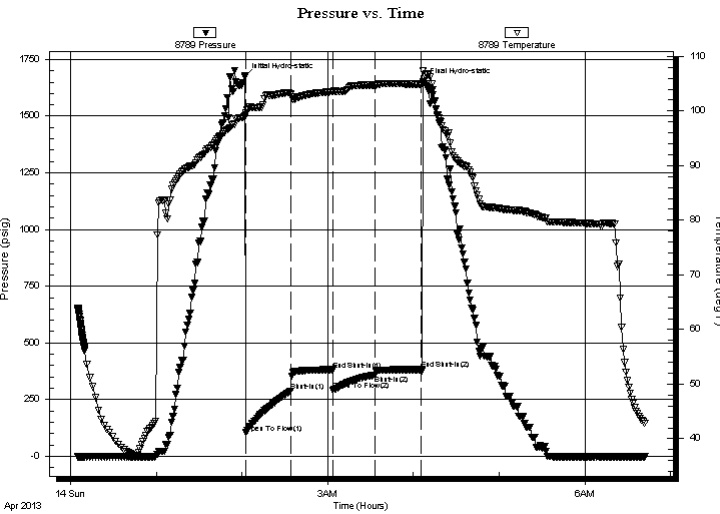
23-15s-19w
Reichert #2
 Job Ticket: 52221 **DST#: 3**
 Test Start: 2013.04.14 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "H-I-J"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 02:03:00
 Time Test Ended: 06:42:00
 Interval: **3404.00 ft (KB) To 3475.00 ft (KB) (TVD)**
 Total Depth: 3475.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1987.00 ft (KB)
 1981.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8789 Inside
 Press @ Run Depth: 358.37 psig @ 3442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.14 End Date: 2013.04.14 Last Calib.: 2013.04.15
 Start Time: 00:05:02 End Time: 06:42:00 Time On Btm: 2013.04.14 @ 02:02:00
 Time Off Btm: 2013.04.14 @ 04:06:30

TEST COMMENT: IFF- Strong blow . BOB @ 30 seconds.
 ISI- Strong blow . BOB @ 5 minutes. Gas at surface.
 FFF- Strong blow . BOB @ 30 seconds.
 FSI- Strong blow . BOB @ 5 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.78	99.13	Initial Hydro-static
1	103.37	99.63	Open To Flow (1)
32	286.71	103.01	Shut-In(1)
62	381.55	103.53	End Shut-In(1)
62	291.23	103.48	Open To Flow (2)
92	358.37	104.77	Shut-In(2)
124	382.32	104.92	End Shut-In(2)
125	1647.39	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
932.00	Free oil	13.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

23-15s-19w

133 E 12th
Hays, Kansas 67601

Reichert #2

Job Ticket: 52221

DST#: 3

ATTN: Al Downing

Test Start: 2013.04.14 @ 00:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
932.00	Free oil	13.074

Total Length: 932.00 ft Total Volume: 13.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8789

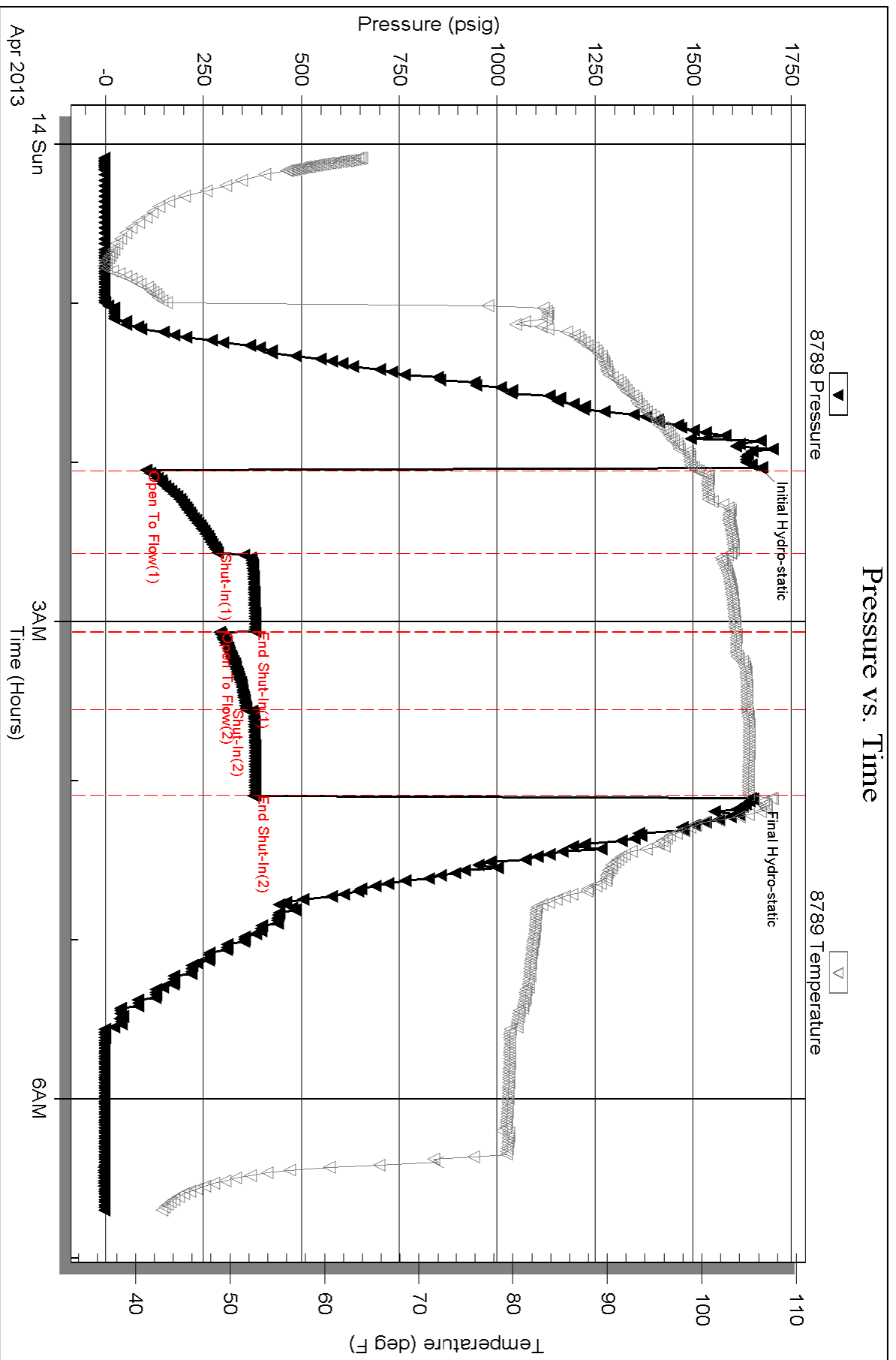
Inside

Double Ds LLC

Reichert #2

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Double D's LLC
133 E 12th
Hays, Kansas 67601
ATTN: Al Downing

23-15s-19w
Reichert #2
Job Ticket: 52222 **DST#: 4**
Test Start: 2013.04.16 @ 04:45:00

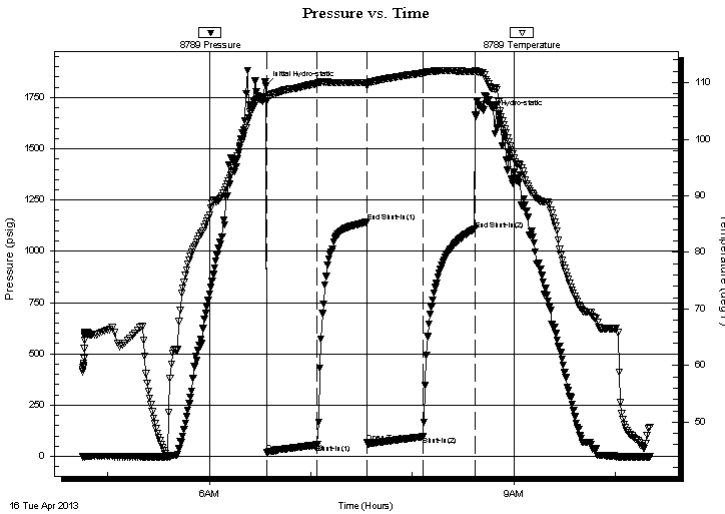
GENERAL INFORMATION:

Formation: **Arbucle**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 06:33:45
Time Test Ended: 10:20:30
Interval: **3578.00 ft (KB) To 3605.00 ft (KB) (TVD)**
Total Depth: 3678.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair
Test Type: Conventional Straddle (Initial)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 1987.00 ft (KB)
1981.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8789 Inside
Press @ Run Depth: 95.64 psig @ 3581.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.16 End Date: 2013.04.16 Last Calib.: 2013.04.16
Start Time: 04:45:02 End Time: 10:20:30 Time On Btm: 2013.04.16 @ 06:33:15
Time Off Btm: 2013.04.16 @ 08:37:15

TEST COMMENT: IFF- Fair blow . 7" @ 30 minutes.
IS- Dead.
FFP- Fair blow . 4" @ 30 minutes.
FS- Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.69	107.35	Initial Hydro-static
1	20.70	106.59	Open To Flow (1)
31	57.33	109.85	Shut-In(1)
60	1142.11	110.00	End Shut-In(1)
60	67.25	109.36	Open To Flow (2)
93	95.64	111.67	Shut-In(2)
124	1106.55	111.90	End Shut-In(2)
124	1667.27	112.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Free Oil 100% oil	0.21
100.00	VSOCM 5% oil / 95% m	1.40
60.00	Muddy w ater. 1% oil / 89% w / 10% m	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Double D's LLC
133 E 12th
Hays, Kansas 67601
ATTN: Al Downing

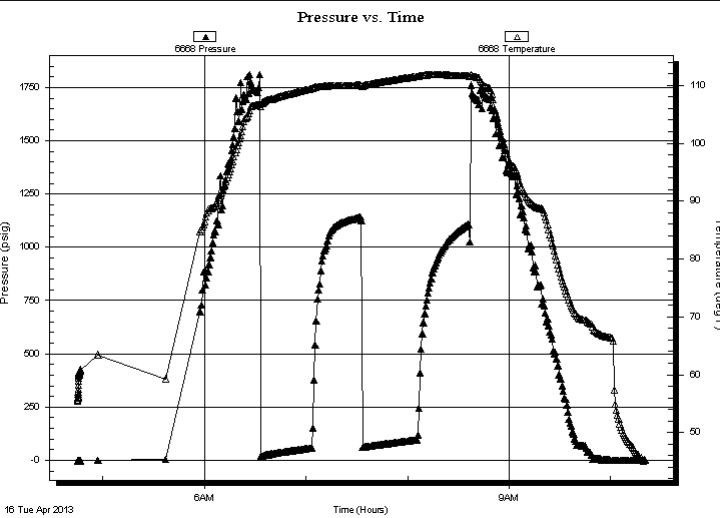
23-15s-19w
Reichert #2
Job Ticket: 52222 **DST#: 4**
Test Start: 2013.04.16 @ 04:45:00

GENERAL INFORMATION:

Formation: **Arbucle**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 06:33:45
Time Test Ended: 10:20:30
Interval: **3578.00 ft (KB) To 3605.00 ft (KB) (TVD)**
Total Depth: 3678.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair
Test Type: Conventional Straddle (Initial)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 1987.00 ft (KB)
1981.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6668 Below (Straddle)
Press @ Run Depth: psig @ 3611.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.16 End Date: 2013.04.16 Last Calib.: 2013.04.16
Start Time: 04:45:01 End Time: 10:20:20 Time On Btm:
Time Off Btm:

TEST COMMENT: IFF- Fair blow . 7" @ 30 minutes.
IS- Dead.
FFP- Fair blow . 4" @ 30 minutes.
FS- Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Free Oil 100% oil	0.21
100.00	VSOCM 5% oil / 95% m	1.40
60.00	Muddy w ater. 1% oil / 89% w / 10% m	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

23-15s-19w

133 E 12th
Hays, Kansas 67601

Reichert #2

Job Ticket: 52222

DST#: 4

ATTN: Al Downing

Test Start: 2013.04.16 @ 04:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.37 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	Free Oil 100% oil	0.210
100.00	VSOCM 5% oil / 95% m	1.403
60.00	Muddy water. 1% oil / 89% w / 10% m	0.842

Total Length: 175.00 ft

Total Volume: 2.455 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

