



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: _____



1080984

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
---	---

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
-----------------------------------	-----------	---------	-------------	---------------	---------

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: _____ _____
---	--	--

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 5500

Cell 785-324-1041

Date	4-25-12	Sec.	17	Twp.	15	Range	12	County	Russell	State	Ks	On Location	Finish	4:00	
Lease	Brack AA			Well No.	2			Location	Bunker Hill, Ks - S to D E, 2E, 2S to						
Contractor	Royal Rig #2							Owner	Mitchell Rd, 1/2 W past pond, 31 into						
Type Job	Surface							To Quality Oilwell Cementing, Inc.							
Hole Size	12 1/4"			T.D.	371'			You are hereby requested to rent cementing equipment and furnish							
Csg.	8 5/8"			Depth	371'			Charge To	Ward Craig						
Tbg. Size				Depth				Street							
Tool				Depth				City	State						
Cement Left in Csg.	15'			Shoe Joint	15'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	22 1/2 BLS			Cement Amount Ordered	180 5x Common 3% Gel						
EQUIPMENT															
Pumptrk	15	No.		Cementer	Matt			2% Gel							
				Helper				Common							
Bulktrk	8	No.		Driver	Levy			Poz. Mix							
				Driver											
Bulktrk	p.u.	No.		Driver	Rick			Gel.							
				Driver											
JOB SERVICES & REMARKS															
Remarks	Cement did Circulate.												Calcium		
Rat Hole													Hulls		
Mouse Hole													Salt		
Centralizers													Flowseal		
Baskets													Kol-Seal		
D/V or Port Collar													Mud CLR 48		
													CFL-117 or CD110 CAF 38		
													Sand		
													Handling		
													Mileage		
FLOAT EQUIPMENT															
													Guide Shoe		
													Centralizer		
													Baskets		
													AFU Inserts		
													Float Shoe		
													Latch Down		
													Pumptrk Charge		
													Mileage		
													Tax		
													Discount		
													Total Charge		

X Signature *Jay Dant*

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. 497

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-29-12	17	15	12	Rawl	Kansas		6-10-12
Lease	Well No.		Location				
Block AA	2		Pawnee Hill S to Road End of 4th St				
Contractor	Owner			To Quality Oilwell Cementing, Inc.			
Type Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Hole Size	T.D.		Charge To				
Csg.	Depth		Craig Oil				
Tbg. Size	Depth		Street				
Tool	Depth		City State				
Cement Left in Csg.	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace		Cement Amount Ordered				

EQUIPMENT

Pumptrk	No.	Cementer		
		Helper		Common
Bulktrk	No.	Driver		Poz. Mix
		Driver		
Bulktrk	No.	Driver		Gel.
		Driver		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
1st Plug @ 3250 25-2	CFL-117 or CD110 CAF 38
	Sand
2nd " @ 5780 25-2	Handling
	Mileage

FLOAT EQUIPMENT

3rd " @ 7440 80-2	Guide Shoe
	Centralizer
4th " @ 740 10-2x	Baskets
	AFU Inserts
Rat Hole @ 7000	Float Shoe
	Latch Down
Mouse Hole @ 7500	88 Wood Plug

Thank You	Pumptrk Charge
	Mileage
	Tax
	Discount
X Signature <i>Ma</i>	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 5500

83-2025
24-1041

Case	Sec.	Twp.	Range	County	State	On Location	Finish
25-12	17	15	12	Russell	Ks		4:00
Case	Brack AA	Well No.	2	Location	Bunker Hill, Ks - S to D F, 2E, 25S +		
Contractor	Royal Rig #2			Owner	Mitchell Rd, New pass road, 5 1/2 mi		
Type Job	Surface			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed			
Hole Size	12 1/4"	T.D.	371'	Charge To	Ward Craig		
Csg.	8 3/8"	Depth	371'	Street			
Tbg. Size		Depth		City	State		
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contract			
Cement Left in Csg.	15'	Shoe Joint	15'	Cement Amount Ordered	180 5x Common 3%		
Meas Line		Displace	22 1/2 BLS	2% Gel			
EQUIPMENT				Common	180		
Pumptrk	15	No.	Cementor	Driver	Poz. Mix		
			Helper	Driver	Gel. 3		
Bulktrk	8	No.	Driver	Driver	Calcium 6		
			Driver	Driver	Hulls.		
Bulktrk	p.u.	No.	Driver	Driver	Salt		
			Driver	Driver	Flowseal		
JOB SERVICES & REMARKS				Centralizers	Kol-Seal		
Remarks	Cement did Circulate.			Baskets	Mud CLR 48		
Rat Hole				D/V or Port Collar	CFL-117 or CD110 CAF 38		
Mouse Hole					Sand		
Centralizers				Handling	189		
Baskets				Mileage			
D/V or Port Collar				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge	Surface		
				Mileage	19		
				Tax			
				Discount			
				Total Charge			
X Signature	[Signature]						

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. 497

Date	4-29-12	Sec.	17	Twp.	15	Range	12	County	Russell	State	Kansas	On Location		Finish	6:45 PM
Lease	Block AA	Well No.	2	Location		Russell Hill S to Road End 25 45 2									
Contractor	Royal Drilling Co		Owner		To Quality Oilwell Cementing, Inc.										
Type Job	T.D.		3-50		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Hole Size	7 7/8		Depth		Charge To										
Csg.	Depth		Street		Crawford										
Tbg. Size	Depth		City		State										
Tool	Depth		City		State										
Cement Left in Csg.	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor												
Meas Line	Displace		Cement Amount Ordered		185 sacks 4 1/2 gal										

EQUIPMENT

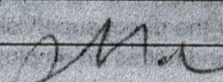
Pumptrk	No.	Cementer		Common	111
		Helper			
Bulktrk	10	Driver		Poz. Mix	74
		Driver			
Bulktrk		Driver		Gel.	6
		Driver			

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 50#
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
15" @ 3-50 25x	CFL-117 or CD110 CAF 38
	Sand
	Handling 191
	Mileage

FLOAT EQUIPMENT

34" @ 140 80 5x	Guide Shoe
	Centralizer
4 1/2" @ 40 10 5x	Baskets
	AFU Inserts
Red Plug @ 20 5x	Float Shoe
	Latch Down
Mouse Hole @ 15 5x	8 1/2 Wood Plug
	Pumptrk Charge Plug
	Mileage 19

<input checked="" type="checkbox"/> Signature 	Tax
	Discount
	Total Charge



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Craig Oil Company**

15 S Main St
Russell KS 67665

ATTN: Steve Murphy

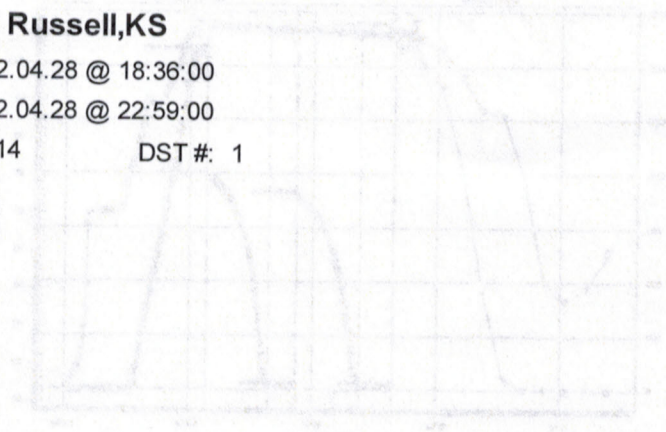
Brack AA #2

17-15s-12w Russell,KS

Start Date: 2012.04.28 @ 18:36:00

End Date: 2012.04.28 @ 22:59:00

Job Ticket #: 45714 DST #: 1



Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL

Printed: 2012.05.04 @ 10:11:21

Craig Oil Company

17-15s-12w Russell,KS

Brack AA #2

DST # 1

Arbuckle

2012.04.28

DRILL STEM TEST REPORT



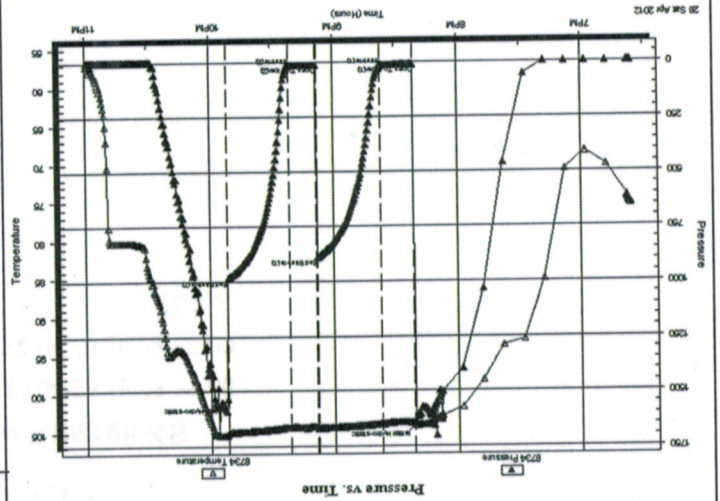
Craig Oil Company
 15 S Main St
 Russell KS 67665
 ATTN: Steve Murphy
 Job Ticket: 45714
 Brack AA #2
 DST#: 1
 Test Start: 2012.04.28 @ 18:36:00

GENERAL INFORMATION:

Formation: Arbuckle
 Deviated: No
 Whipstock: 1850.00 ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 41
 Reference Elevations: 1850.00 ft (KB)
 1844.00 ft (CF)
 6.00 ft
 Interval: 3280.00 ft (KB) To 3300.00 ft (KB) (TVD)
 Total Depth: 3300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Condition: Fair

Serial #: 8734
 Outside
 Press@RunDepth: 14.68 psig @ 3282.00 ft (KB)
 Start Date: 2012.04.28
 End Date: 2012.04.28
 Capacity: 8000.00 psig
 Last Callb: 2012.04.28
 Time On Btm: 2012.04.28 @ 20:21:00
 Time Off Btm: 2012.04.28 @ 21:52:00

TEST COMMENT: 15-IFP- Surface Blow Died in 13 min
 30-ISIP- No Blow
 15-FFP- No Blow
 30-FSIP- No Blow



PRESSURE SUMMARY

Annotation	Time (Min.)	Pressure (psig)	Temp (deg F)
Initial Hydro-static	0	1647.82	104.19
Open To Flow (1)	1	12.63	103.84
Shut-in(1)	16	16.18	103.98
End Shut-in(1)	47	894.56	104.52
Open To Flow (2)	48	13.98	104.30
Shut-in(2)	61	14.68	104.40
End Shut-in(2)	91	985.97	105.04
Final Hydro-static	91	1535.52	105.25

Gas Rates

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	VSOCM 2% @ 98% m	0.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Craig Oil Company

17-15s-12w Russell, KS

15 S Main St
Russell KS 67665

Brack AA #2

Job Ticket: 45714

DST#: 1

ATTN: Steve Murphy

Test Start: 2012.04.28 @ 18:36:00

Tool Information

Drill Pipe:	Length: 3268.00 ft	Diameter: 3.80 inches	Volume: 45.84 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 36000.00 lb
			<u>Total Volume: 45.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3280.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3265.00	
Hydraulic tool	5.00			3270.00	
Packer	5.00			3275.00	20.00 Bottom Of Top Packer
Packer	5.00			3280.00	
Stubb	1.00			3281.00	
Perforations	1.00			3282.00	
Recorder	0.00	6669	Inside	3282.00	
Recorder	0.00	8734	Outside	3282.00	
Perforations	15.00			3297.00	
Bullnose	3.00			3300.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE TESTING, INC

Craig Oil Company
15 S Main St
Russell KS 67665
ATTN: Steve Murphy

17-15s-12w Russell, KS
Brack AA #2
Job Ticket: 45714
DST#: 1
Test Start: 2012.04.28 @ 18:36:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 9.54 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: inches

Cushion Type: Oil API
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure: psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	VSOCM 2% @ 98% m	0.042
Total Length:		3.00 ft
Total Volume:		0.042 bbl

Num Fluid Samples: 0
Laboratory Name:
Recovery Comments:
Num Gas Bombs: 0
Laboratory Location:
Serial #:

DRILL STEM TEST REPORT FLUID SUMMARY

Serial #: 8734

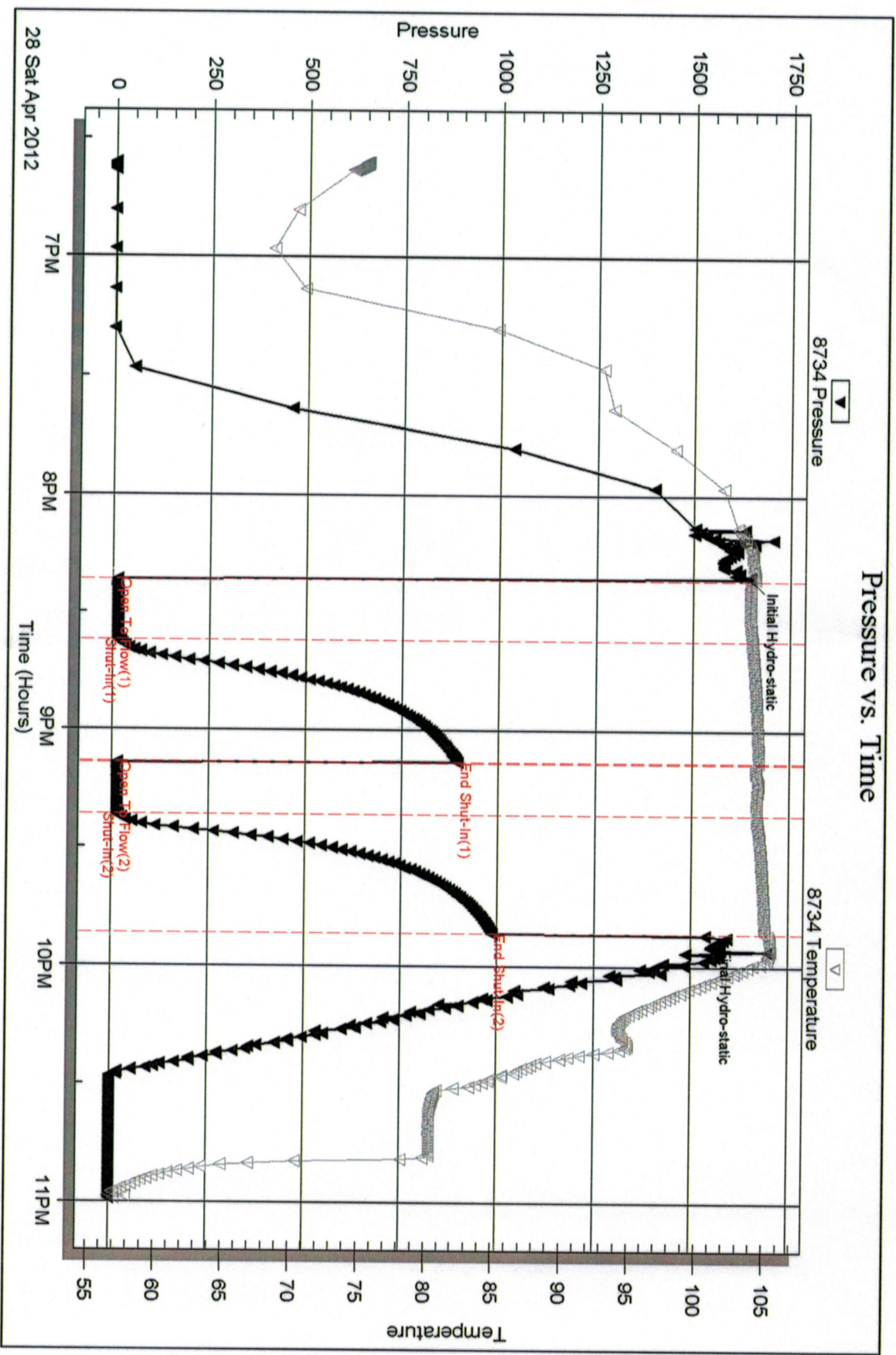
Outside

Craig Oil Company

Brack AA #2

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 45714

Printed: 2012.05.04 @ 10:11:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Craig Oil Company**

15 S Main St
Russell KS 67665

ATTN: Steve Murphy

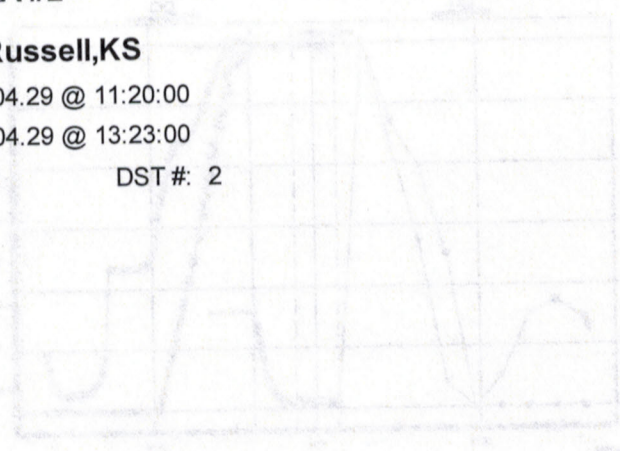
Brack AA #2

17-15s-12w Russell,KS

Start Date: 2012.04.29 @ 11:20:00

End Date: 2012.04.29 @ 13:23:00

Job Ticket #: 45715 DST #: 2



Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



DRILL STEM TEST REPORT

17-155-12w Russell, KS

Brack AA #2

Job Ticket: 45715 DST#: 2

Test Start: 2012.04.29 @ 11:20:00

Craig Oil Company

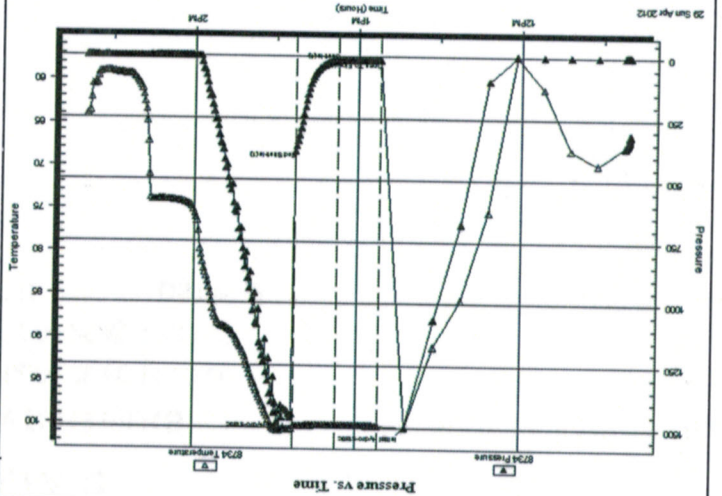
15 S Main St
Russell KS 67665

ATTN: Steve Murphy

GENERAL INFORMATION:

Formation: LKC " C "
 Deviated: No Whipstock: 1850.00 ft (KB)
 Time Tool Opened: 12:52:00
 Time Test Ended: 13:23:00
 Interval: 3040.00 ft (KB) To 3050.00 ft (KB) (TVD)
 Total Depth: 3350.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inchesHole Condition: Fair
 Serial #: 8734
 Outside
 Press@RunDepth: 15.07 psig @ 3041.00 ft (KB)
 Start Date: 2012.04.29
 End Date: 2012.04.29
 End Time: 11:20:01
 Start Time: 14:39:30
 Last Calib.: 2012.04.29
 Capacity: 8000.00 psig
 Time On Btm: 2012.04.29 @ 12:42:00
 Time Off Btm: 2012.04.29 @ 13:23:30

TEST COMMENT: 17-I-FP- Surface Blow Died in 12 min
 16-ISIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1497.80	100.43	Initial Hydro-static
10	14.53	100.24	Open To Flow (1)
26	15.07	100.14	Shut-In(1)
41	382.68	100.28	End Shut-In(1)
42	1445.35	100.61	Final Hydro-static

Gas Rates

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

Recovery

Length (ft)	Description	Volume (bb)
7.00	VSOCM 1% @ 99% m	0.10

* Recovery from multiple tests

Ref. No: 45715

Trilobite Testing, Inc

Printed: 2012.05.04 @ 09:22:26

TOOL DIAGRAM

DRILL STEM TEST REPORT



Craig Oil Company

15 S Main St
Russell KS 67665

ATTN: Steve Murphy

Test Start: 2012.04.29 @ 11:20:00

Job Ticket: 45715

DST#: 2

Brack AA #2

17-15s-12w Russell,KS

Tool Information

Drill Pipe: Length: 3049.00 ft Diameter: 3.80 inches Volume: 42.77 bbl Tool Weight: 2500.00 lb
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.75 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb
 Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 40000.00 lb
 Tool Chased 0.00 ft
 String Weight: Initial 36000.00 lb Final 36000.00 lb
 Drill Pipe Above KB: 29.00 ft
 Depth to Top Packer: 3040.00 ft
 Depth to Bottom Packer: 3050.00 ft
 Interval between Packers: 10.00 ft
 Tool Length: 330.00 ft
 Number of Packers: 2 Diameter: 6.75 inches
 Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00				
Hydraulic tool	5.00				
Packer	5.00				Bottom Of Top Packer
Packer	5.00				
Recorder	0.00	8372	Inside	3041.00	
Recorder	0.00	6669	Outside	3041.00	
Performations	5.00			3046.00	
Blank Off Sub	1.00			3047.00	
Stub	3.00			3050.00	Tool Interval
Packer	2.00			3052.00	
Performations	13.00			3065.00	
Change Over Sub	1.00			3066.00	
Recorder	0.00	8365	Below	3066.00	
Blank Spacing	280.00			3346.00	
Change Over Sub	1.00			3347.00	
Bullnose	3.00			3350.00	Bottom Packers & Anchor
Total Tool Length:	330.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Craig Oil Company

17-15s-12w Russell, KS

15 S Main St
Russell KS 67665

Brack AA #2

Job Ticket: 45715

DST#: 2

ATTN: Steve Murphy

Test Start: 2012.04.29 @ 11:20:00

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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	VSOCM 1%o 99%m	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

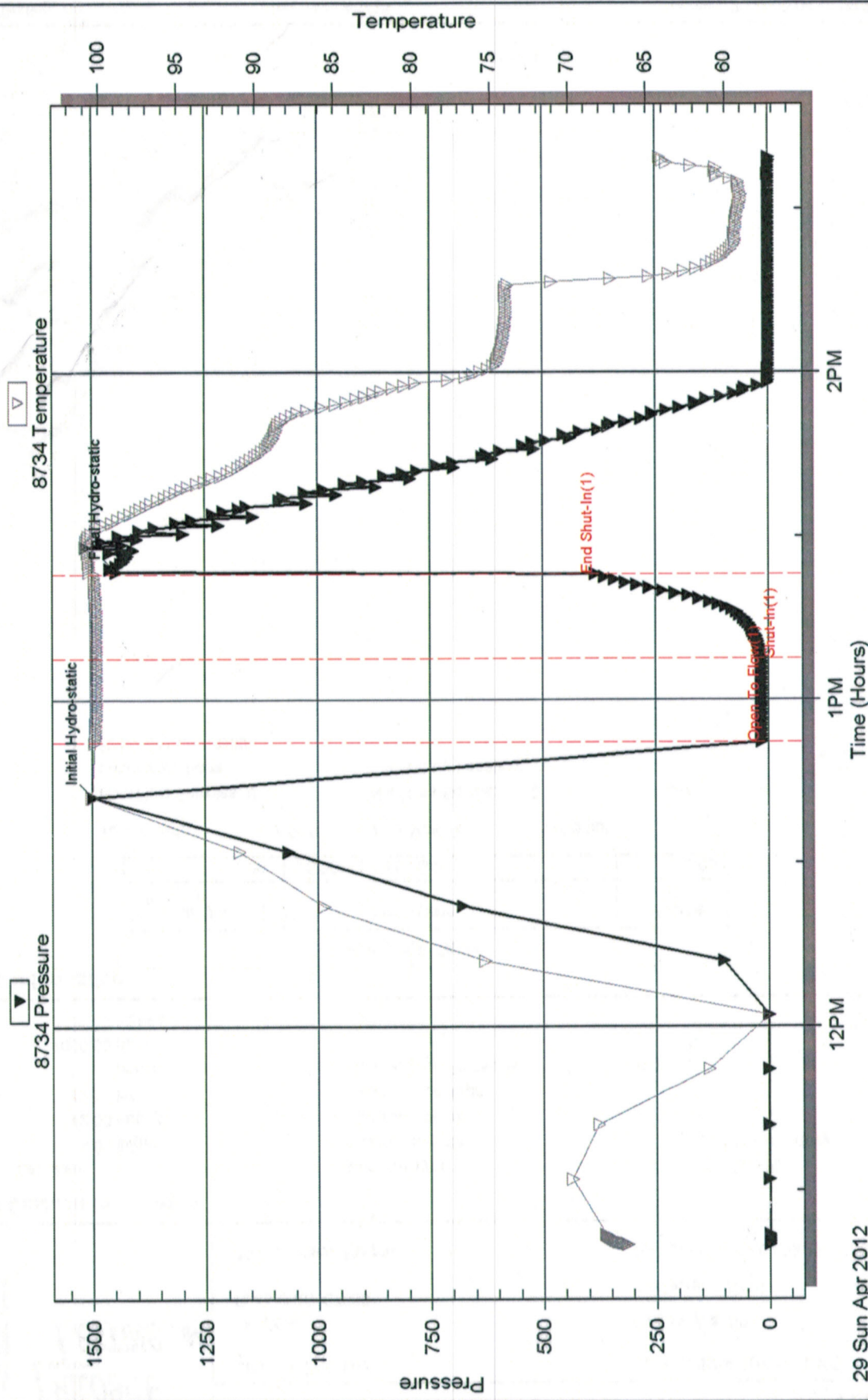
DST Test Number: 2

Brack AA #2

Outside Craig Oil Company

Serial #: 8734

Pressure vs. Time



29 Sun Apr 2012

Printed: 2012.05.04 @ 09:22:28

Ref. No: 45715

Trilobite Testing, Inc

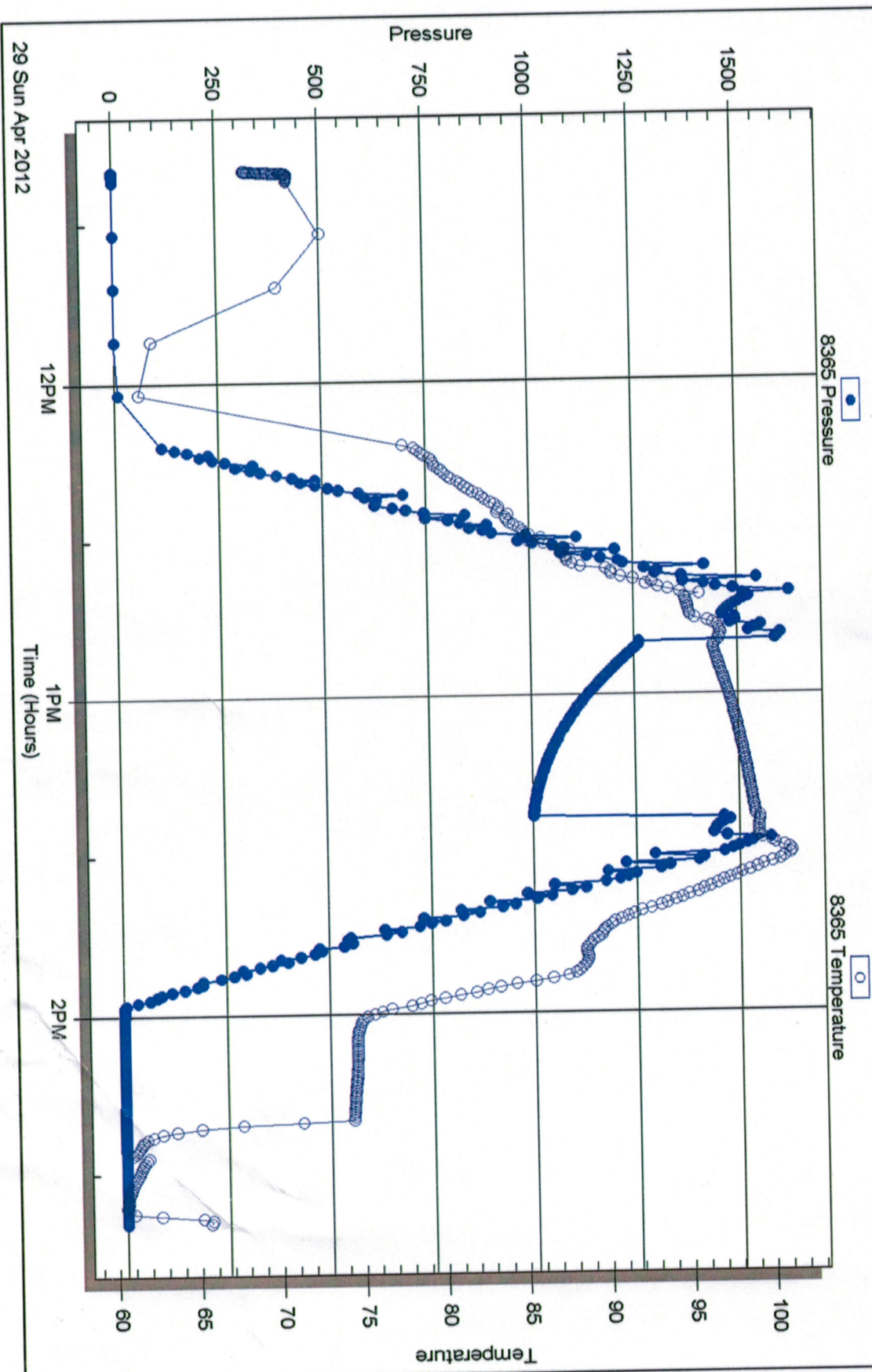
Serial #: 8365

Below (Stratella) Pll Company

Back AA #2

DST Test Number: 2

Pressure vs. Time



29 Sun Apr 2012

12PM

1PM

2PM

Time (Hours)

Trilobite Testing, Inc

Ref. No: 45715

Printed: 2012.05.04 @ 09:22:28



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

APR 30 2012

Test Ticket

BY: _____

NO. 45714

Well Name & No. BRACK AA#2 Test No. 1 Date 4-28-12
 Company Craig Ward Craig Oil Company Elevation 1850 KB 1844 GL
 Address 1505 S. Main Russell KS 67665
 Co. Rep / Geo. Ward Craig 483-1543 Steve Murphy Royal Rig 2
 Location: Sec. 17 Twp. 13 S Rge. 12 W Co. Russell State KS

Interval Tested 3280-3300 Zone Tested Arbuckle
 Anchor Length 20 Drill Pipe Run 3268 Mud Wt. 9.2
 Top Packer Depth 3275 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3280 Wt. Pipe Run 0 WL 9.6
 Total Depth 3300 Chlorides 6000 ppm System LCM 1.5

Blow Description FFP - Surface Blow Dried in 13min
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>V50CM</u>	<u>2</u>		<u>98</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 3 BHT 105 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1647 Test 1150 T-On Location 16:40
 (B) First Initial Flow 12 Jars _____ T-Started 18:36
 (C) First Final Flow 16 Safety Joint _____ T-Open 20:22
 (D) Initial Shut-In 894 Circ Sub _____ T-Pulled 21:52
 (E) Second Initial Flow 13 Hourly Standby _____ T-Out 23:00
 (F) Second Final Flow 14 Mileage 82 RT 127.10 Comments _____
 (G) Final Shut-In 985 Sampler _____
 (H) Final Hydrostatic 1535 Straddle _____

Initial Open 15 Shale Packer _____
 Initial Shut-In 30 Shale Packer _____
 Final Flow 15 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 1277.10 Day Standby _____
 Total 1277.10 Accessibility _____
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or destroyed 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

RECEIVED
APR 30 2012
BY: _____

Test Ticket

NO. 45715

Well Name & No. Brack AA #2 Test No. 2 Date 4-29-12
 Company Craig Oil Company Elevation 1850 KB 1844 GL
 Address 15 S. Main Russell Ks 67665
 Co. Rep / Geo. Steve Murphy Rig Royal #2
 Location: Sec. 17 Twp. 15S Rge. 12W Co. Russell State KS

Interval Tested 3040-3050 Zone Tested LKC "C"
 Anchor Length 10 Anchor 300 Tail Pipe Drill Pipe Run 3049 Mud Wt. 9.1
 Top Packer Depth 3040 Drill Collars Run 0 Vis 42
 Bottom Packer Depth 3050 Wt. Pipe Run 0 WL 11.2
 Total Depth 3350 Chlorides 7000 ppm System LCM 2

Blow Description IFP - Surface Blow Died in 12 min
ISIP - No Blow

pull Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>7</u>	<u>150cm</u>		<u>1</u>	<u>99</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 7 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1497</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>10:00</u>
(B) First Initial Flow <u>14</u>	<input type="checkbox"/> Jars _____	T-Started <u>11:20</u>
(C) First Final Flow <u>15</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>12:50</u>
(D) Initial Shut-In <u>382</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>13:23</u>
(E) Second Initial Flow <u>1443</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:40</u>
(F) Second Final Flow _____	<input checked="" type="checkbox"/> Mileage <u>82 RT 127.10</u>	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1445</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>17</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>16</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow _____	<input type="checkbox"/> Extra Recorder _____	Total <u>1877.10</u>
Final Shut-In _____	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1877.10</u>	

Approved By _____ Our Representative [Signature]
 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.

