



DRILL STEM TEST REPORT

Prepared For: **E & B Natural Resources**

1600 Norris Rd
Bakersfield CA 93308

ATTN: Bob O'Dell

Marshall "E" #32

24-11s-18w Ellis,KS

Start Date: 2012.08.24 @ 15:23:00

End Date: 2012.08.24 @ 20:47:00

Job Ticket #: 47646 DST #: 1

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

Printed: 2012.08.28 @ 11:58:33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47646

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.08.24 @ 15:23:00

GENERAL INFORMATION:

Formation: **LKC " I "**

Deviated: No Whipstock: 1892.00 ft (KB)

Time Tool Opened: 17:25:30

Time Test Ended: 20:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 58

Interval: 3261.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1892.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 2.00 ft

Serial #: 8674 Outside

Press @ RunDepth: 22.40 psig @ 3262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.24

End Date:

2012.08.24

Last Calib.: 2012.08.24

Start Time: 15:23:05

End Time:

20:45:40

Time On Btm: 2012.08.24 @ 17:25:20

Time Off Btm: 2012.08.24 @ 19:24:40

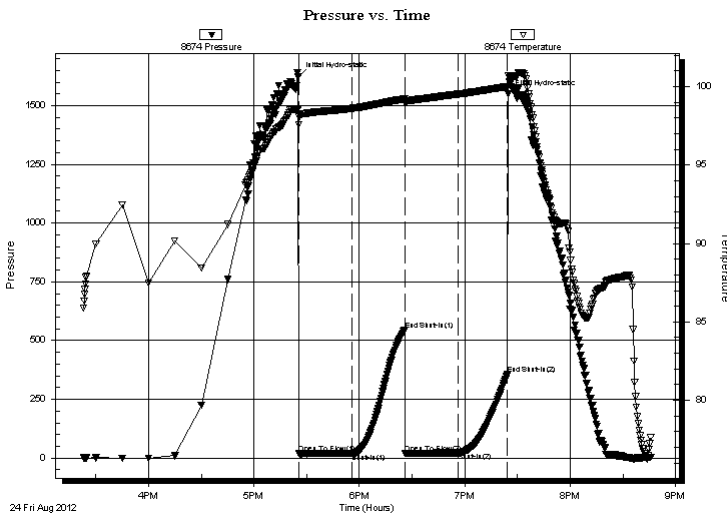
TEST COMMENT: 30-IFP- Weak Surface Blow Died in 4 min

30-ISIP- No Blow

30-FFP- No Blow

30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.58	98.61	Initial Hydro-static
1	19.17	97.58	Open To Flow (1)
31	19.35	98.61	Shut-In(1)
61	545.08	99.21	End Shut-In(1)
61	20.53	98.98	Open To Flow (2)
91	22.40	99.51	Shut-In(2)
119	358.25	100.01	End Shut-In(2)
120	1548.78	100.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	MUD 100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47646

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.08.24 @ 15:23:00

Tool Information

Drill Pipe:	Length: 3234.00 ft	Diameter: 3.80 inches	Volume: 45.36 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 45.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3261.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 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			3234.00	
Shut In Tool	5.00			3239.00	
Hydraulic tool	5.00			3244.00	
Jars	5.00			3249.00	
Safety Joint	3.00			3252.00	
Packer	5.00			3257.00	28.00 Bottom Of Top Packer
Packer	4.00			3261.00	
Stubb	1.00			3262.00	
Recorder	0.00	8355	Inside	3262.00	
Recorder	0.00	8674	Outside	3262.00	
Perforations	15.00			3277.00	
Bullnose	3.00			3280.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47646

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.08.24 @ 15:23:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	MUD 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

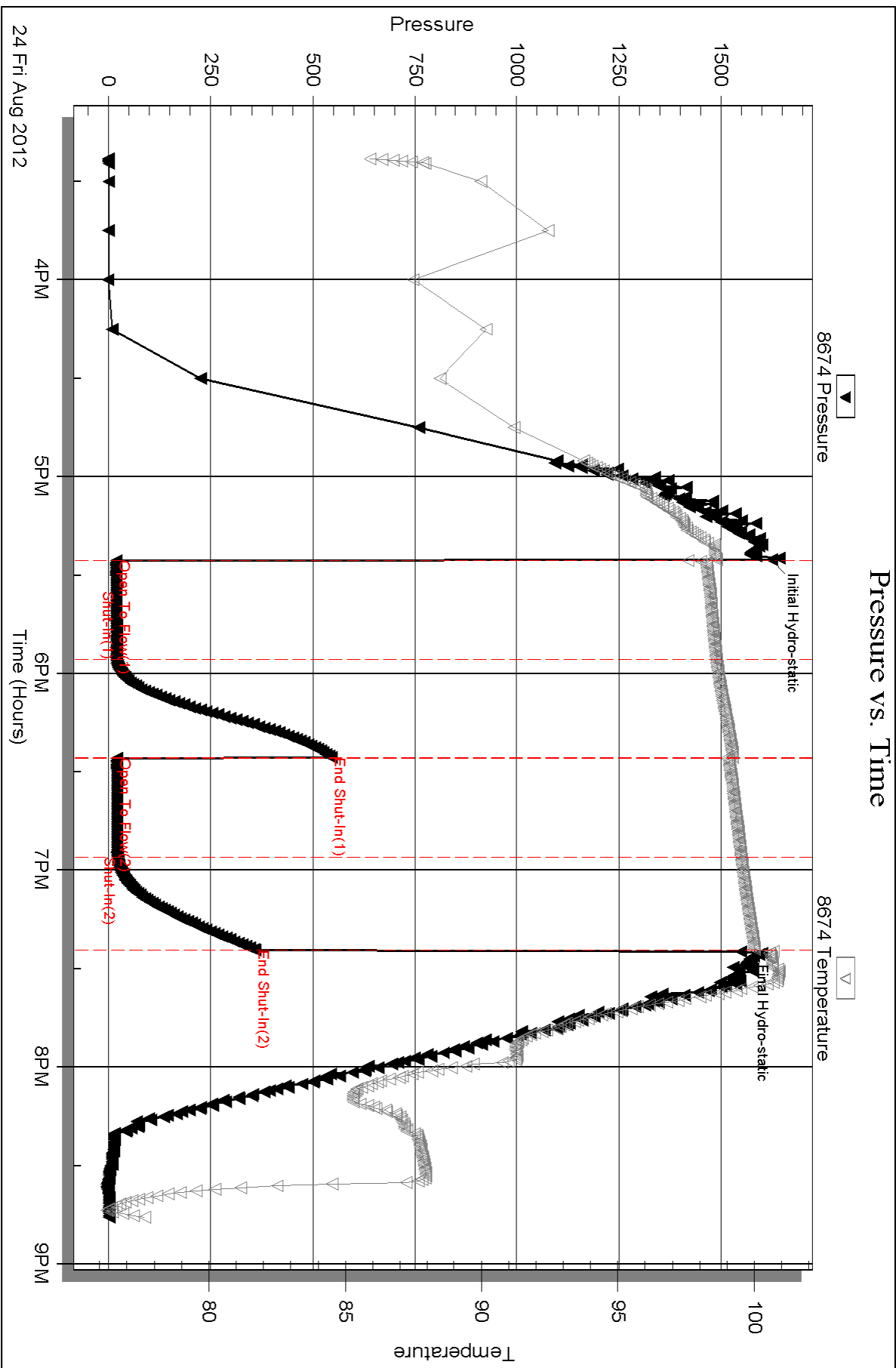
Recovery Comments:

Serial #: 8674

Outside E & B Natural Resources

Marshall "E" #32

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47646

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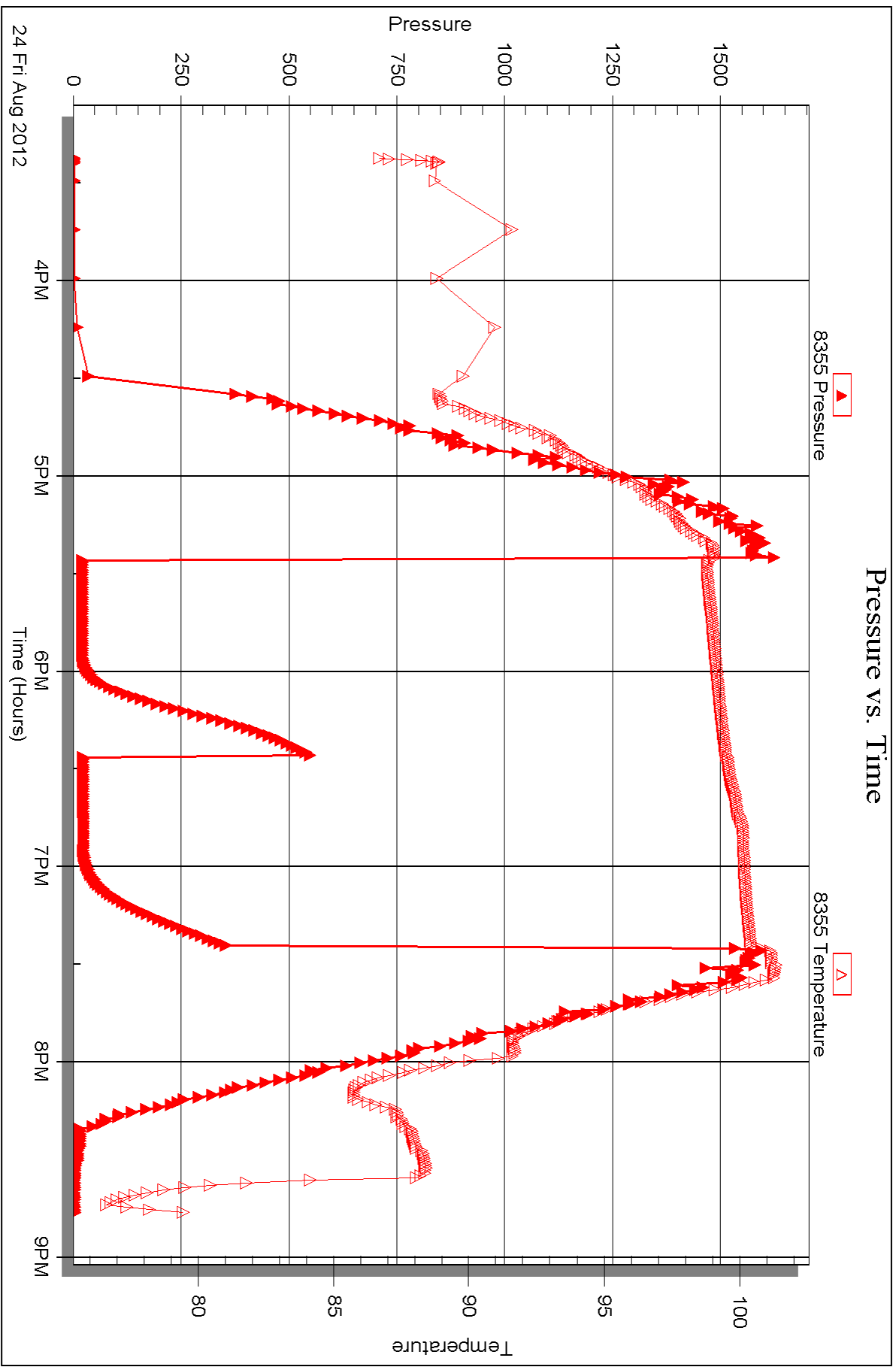
Serial #: 8355

Inside

E & B Natural Resources

Marshall "E" #32

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **E & B Natural Resources**

1600 Norris Rd
Bakersfield CA 93308

ATTN: Bob O'Dell

Marshall "E" #32

24-11s-18w Ellis,KS

Start Date: 2012.08.25 @ 10:31:00

End Date: 2012.08.25 @ 17:40:00

Job Ticket #: 47647 DST #: 2

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

Printed: 2012.08.28 @ 11:57:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

ATTN: Bob O'Dell

Job Ticket: 47647

DST#: 2

Test Start: 2012.08.25 @ 10:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 1892.00 ft (KB)

Time Tool Opened: 12:27:10

Time Test Ended: 17:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 58

Interval: 3344.00 ft (KB) To 3408.00 ft (KB) (TVD)

Reference Elevations: 1892.00 ft (KB)

Total Depth: 3408.00 ft (KB) (TVD)

1890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 2.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 51.87 psig @ 3345.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.25

End Date:

2012.08.25

Last Calib.:

2012.08.25

Start Time: 10:31:05

End Time:

17:38:20

Time On Btm:

2012.08.25 @ 12:27:00

Time Off Btm:

2012.08.25 @ 15:43:00

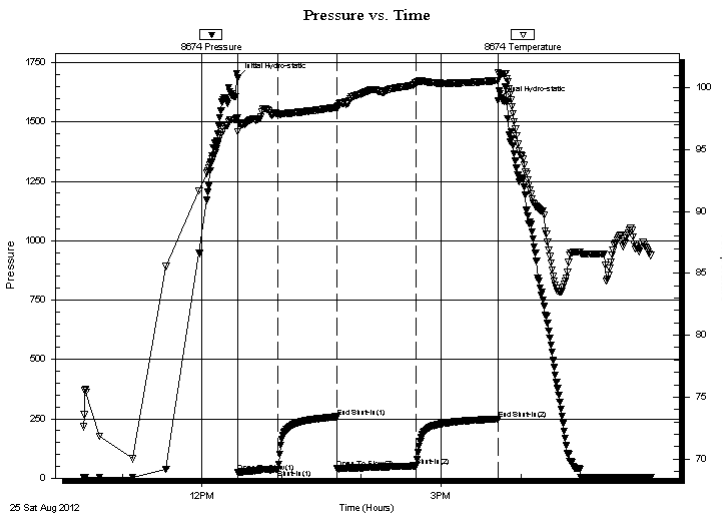
TEST COMMENT: 30-IFP- Surface Blow Building to 2"

45-ISIP- No Blow

60-FFP- Weak Surface Blow in 5 min No Build

60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.03	97.59	Initial Hydro-static
1	25.67	96.44	Open To Flow (1)
31	38.01	97.92	Shut-In(1)
75	258.29	98.42	End Shut-In(1)
75	39.84	98.33	Open To Flow (2)
134	51.87	100.40	Shut-In(2)
196	248.15	100.58	End Shut-In(2)
196	1588.84	101.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
66.00	Oil Speck Mud	0.66

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47647

DST#: 2

ATTN: Bob O'Dell

Test Start: 2012.08.25 @ 10:31:00

Tool Information

Drill Pipe:	Length: 3297.00 ft	Diameter: 3.80 inches	Volume: 46.25 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 46.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3344.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			3317.00	
Shut In Tool	5.00			3322.00	
Hydraulic tool	5.00			3327.00	
Jars	5.00			3332.00	
Safety Joint	3.00			3335.00	
Packer	5.00			3340.00	28.00 Bottom Of Top Packer
Packer	4.00			3344.00	
Stubb	1.00			3345.00	
Recorder	0.00	8674	Inside	3345.00	
Recorder	0.00	8355	Outside	3345.00	
Perforations	26.00			3371.00	
Change Over Sub	1.00			3372.00	
Blank Spacing	32.00			3404.00	
Change Over Sub	1.00			3405.00	
Bullnose	3.00			3408.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47647

DST#: 2

ATTN: Bob O'Dell

Test Start: 2012.08.25 @ 10:31:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
66.00	Oil Speck Mud	0.662

Total Length: 66.00 ft Total Volume: 0.662 bbl

Num Fluid Samples: 0

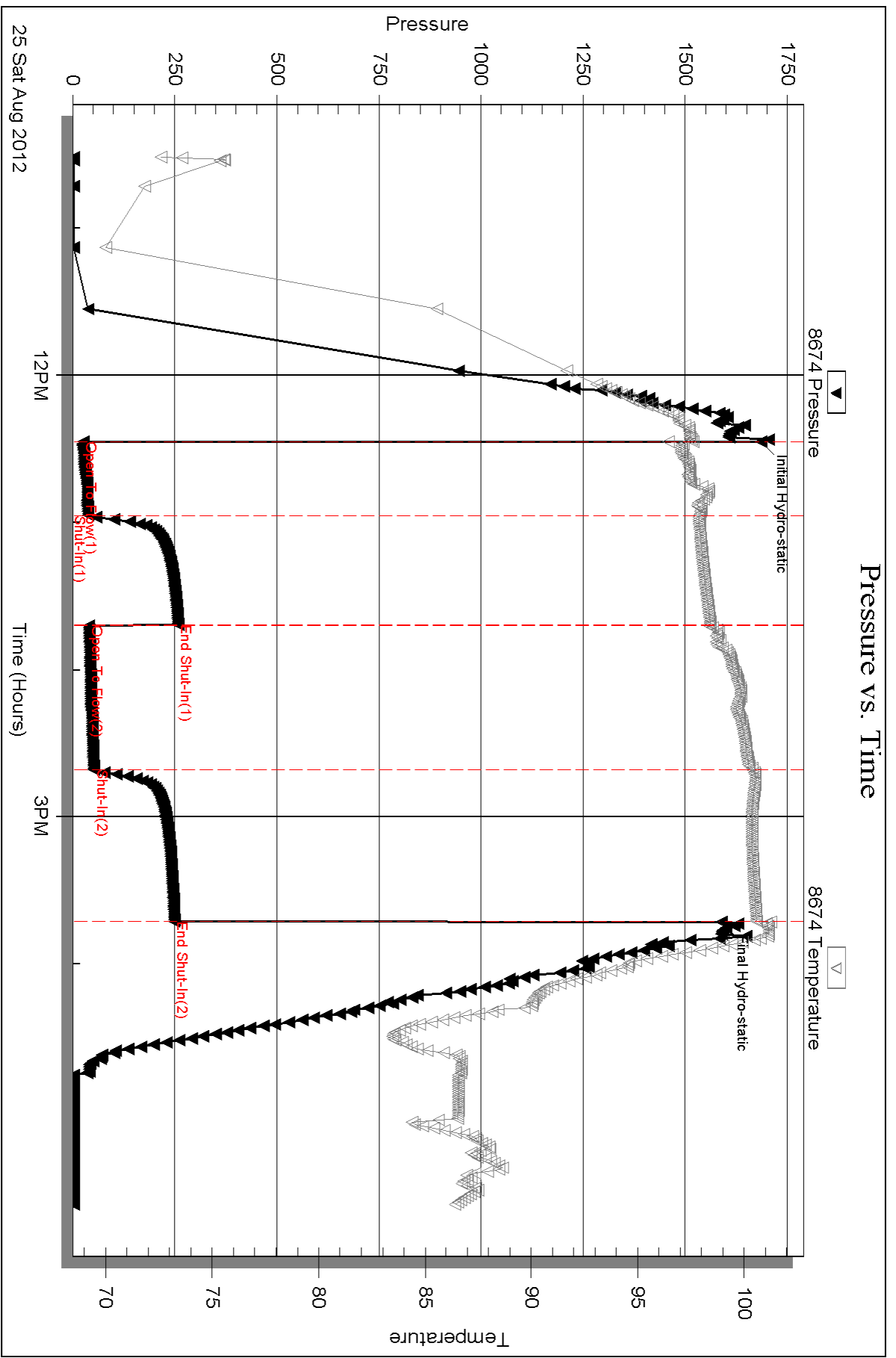
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

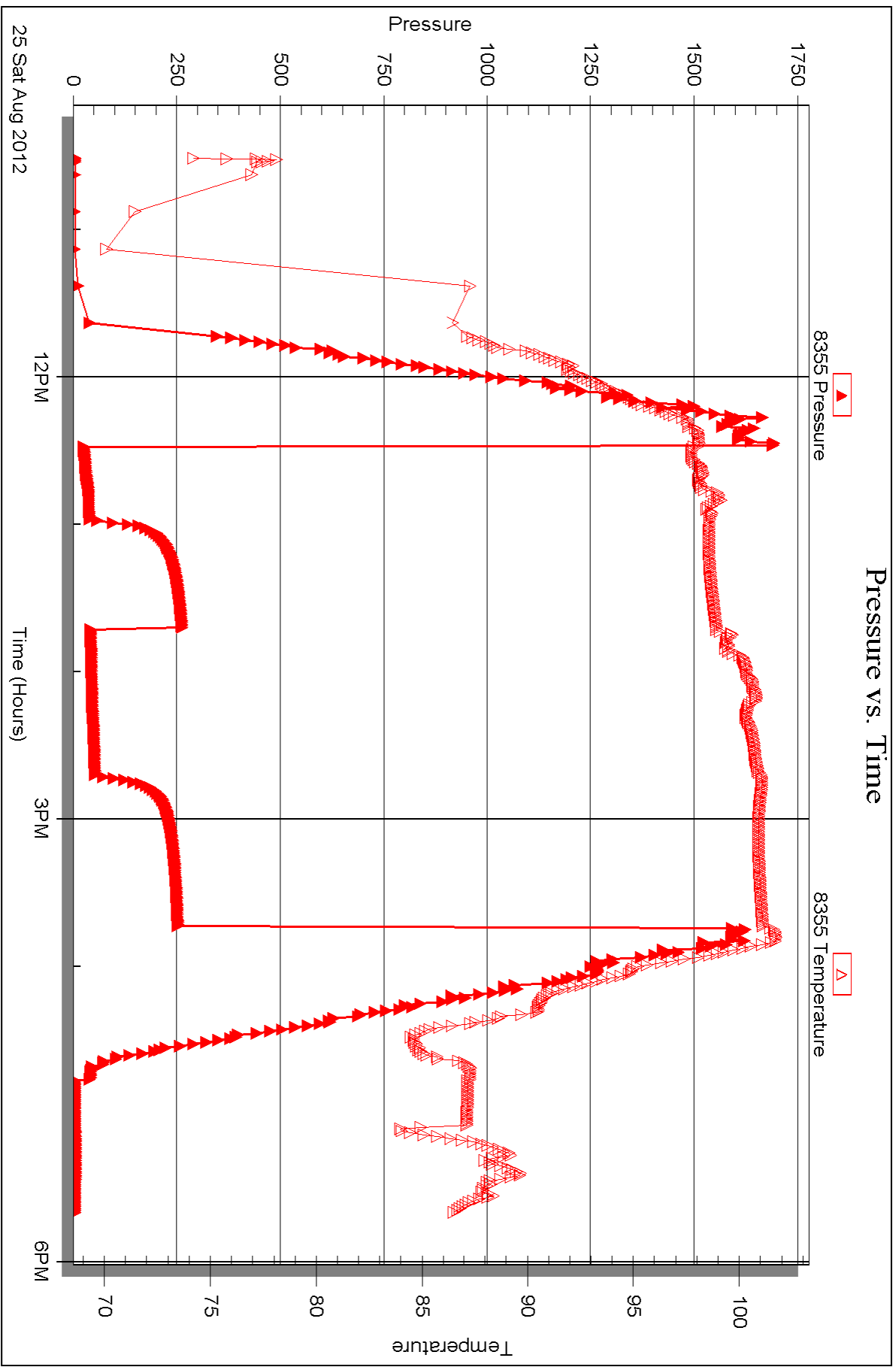


Serial #: 8355

Outside E & B Natural Resources

Marshall "E" #32

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **E & B Natural Resources**

1600 Norris Rd
Bakersfield CA 93308

ATTN: Bob O'Dell

Marshall "E" #32

24-11s-18w Ellis,KS

Start Date: 2012.08.25 @ 23:03:00

End Date: 2012.08.26 @ 06:48:00

Job Ticket #: 47648 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.28 @ 11:54:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

ATTN: Bob O'Dell

Job Ticket: 47648

DST#: 3

Test Start: 2012.08.25 @ 23:03:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 1892.00 ft (KB)

Time Tool Opened: 00:54:10

Time Test Ended: 06:48:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 58

Interval: 3409.00 ft (KB) To 3422.00 ft (KB) (TVD)

Reference Elevations: 1892.00 ft (KB)

Total Depth: 3422.00 ft (KB) (TVD)

1890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 2.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 392.98 psig @ 3410.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.25

End Date:

2012.08.26

Last Calib.:

2012.08.26

Start Time: 23:03:05

End Time:

06:46:20

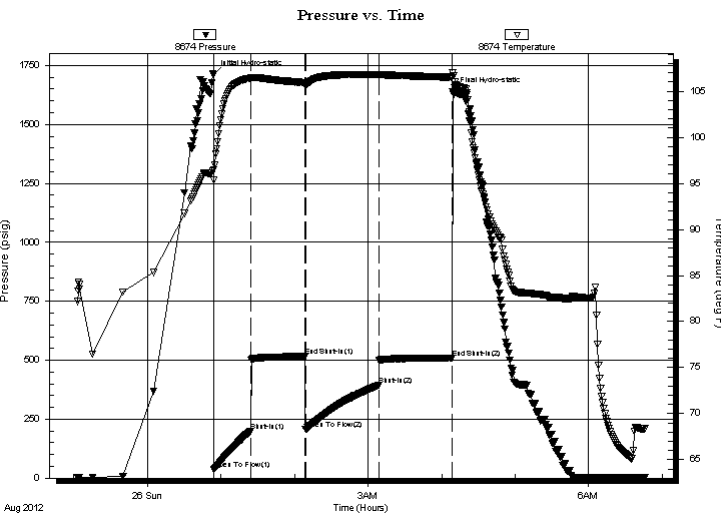
Time On Btm:

2012.08.26 @ 00:54:00

Time Off Btm:

2012.08.26 @ 04:09:00

TEST COMMENT: 30-IFP- BOB in 6 min
45-ISIP- Surface Blow in 12min Died in 24 min
60-FFP- BOB in 7 min
60-FSIP- Surface Blow in 1min Died in 28 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.81	96.49	Initial Hydro-static
1	38.18	95.33	Open To Flow (1)
30	198.98	106.40	Shut-In(1)
75	516.21	105.91	End Shut-In(1)
75	206.01	105.72	Open To Flow (2)
135	392.98	106.78	Shut-In(2)
195	510.02	106.50	End Shut-In(2)
195	1640.66	107.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
568.00	O&MCW 2%o 3% m 95%w	7.70
124.00	O&MCW 10%o 20% m 70%w	1.74
124.00	GO&WCM 10%g 15%o 15%w 60% m	1.74
50.00	CO 100%o	0.70
0.00	60 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47648

DST#: 3

ATTN: Bob O'Dell

Test Start: 2012.08.25 @ 23:03:00

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3409.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 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			3382.00	
Shut In Tool	5.00			3387.00	
Hydraulic tool	5.00			3392.00	
Jars	5.00			3397.00	
Safety Joint	3.00			3400.00	
Packer	5.00			3405.00	28.00 Bottom Of Top Packer
Packer	4.00			3409.00	
Stubb	1.00			3410.00	
Recorder	0.00	8674	Inside	3410.00	
Recorder	0.00	8355	Outside	3410.00	
Perforations	9.00			3419.00	
Bullnose	3.00			3422.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

E & B Natural Resources

24-11s-18w Ellis,KS

1600 Norris Rd
Bakersfield CA 93308

Marshall "E" #32

Job Ticket: 47648

DST#: 3

ATTN: Bob O'Dell

Test Start: 2012.08.25 @ 23:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5100 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
568.00	O&MCW 2%o 3%m 95%w	7.703
124.00	O&MCW 10%o 20%m 70%w	1.739
124.00	GO&WCM 10%g 15%o 15%w 60%m	1.739
50.00	CO 100%o	0.701
0.00	60 GIP	0.000

Total Length: 866.00 ft Total Volume: 11.882 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

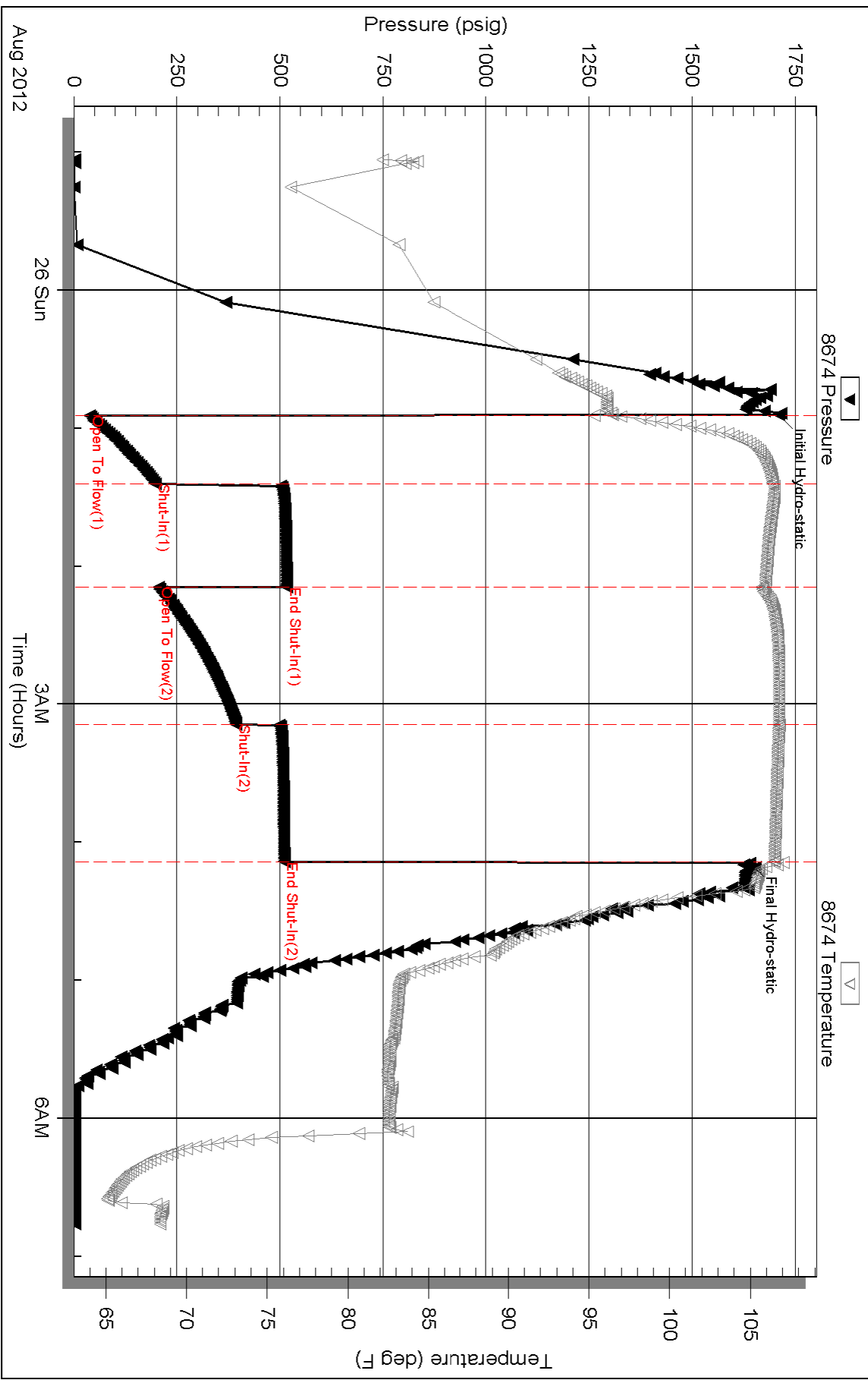
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1.26@67

Pressure vs. Time

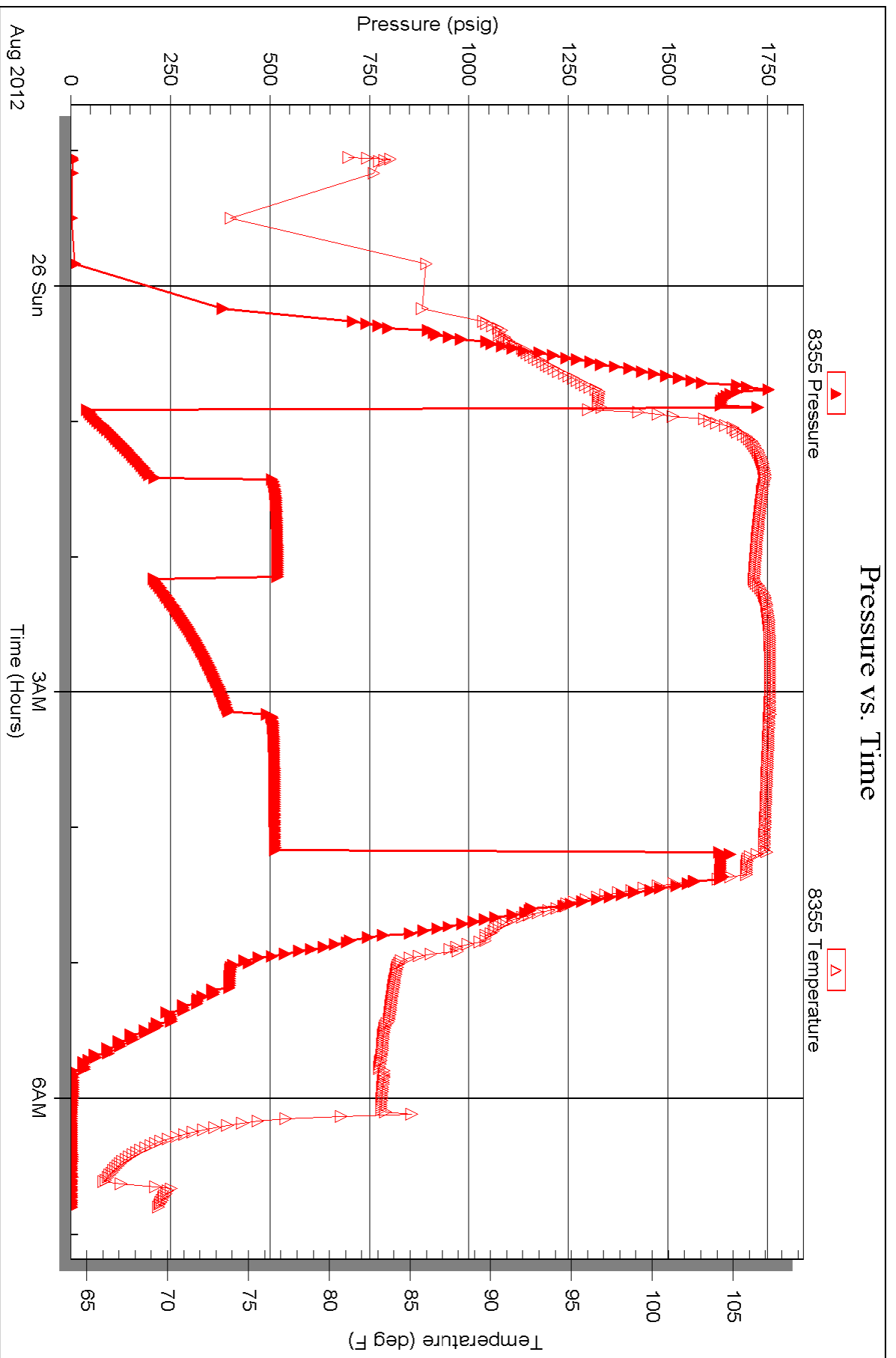


Serial #: 8355

Outside E & B Natural Resources

Marshall "E" #32

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47646

Well Name & No. Marshall "E" #32 Test No. 1 Date 8-24-12
 Company E & B Natural Resources Elevation 1892 KB 1890 GL
 Address 1600 Norris Rd Bakersfield CA 93308
 Co. Rep / Geo. Bob O'Dell 316-7061553 Rig Murfin Rig # 16
 Location: Sec. 24 Twp. 11^s Rge. 18^w Co. Ellis State KS

Interval Tested 3261 - 3280 Zone Tested LKC "I"
 Anchor Length 19 Drill Pipe Run 3234 Mud Wt. 8.9
 Top Packer Depth 3256 Drill Collars Run 29 Vis 51
 Bottom Packer Depth 3261 Wt. Pipe Run 0 WL 7.2
 Total Depth 3280 Chlorides 6900 ppm System LCM 3

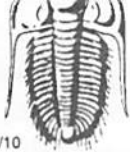
Blow Description IFP - Weak Surface Blow Died in 4mins
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>mud</u>			<u>100</u>	

Rec Total 2 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1623</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>14:50</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>15:23</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>17:26</u>
(D) Initial Shut-In <u>545</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>19:26</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:47</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>34 RT</u> 52.70	Comments _____
(G) Final Shut-In <u>358</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1548</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1527.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1527.70</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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47647

Well Name & No. Marshall "E" # 32 Test No. 2 Date 8-25-12
 Company E + B Natural Resources Elevation 1892 KB 1890 GL
 Address 1600 Norris Rd Bakersfield CA 93308
 Co. Rep / Geo. Bob O'Dell Rig Muffin Rig # 16
 Location: Sec. 24 Twp. 11⁰⁰ Rge. 18^W Co. Ellis State KS

Interval Tested 3344 - 3408 Zone Tested Arbuckle
 Anchor Length 64 Drill Pipe Run 3297 Mud Wt. 9.0
 Top Packer Depth 3339 Drill Collars Run 29 Vis 50
 Bottom Packer Depth 3344 Wt. Pipe Run 0 WL 7.6
 Total Depth 3408 Chlorides 8700 ppm System LCM 6.0

Blow Description IIFP - Surface Blow Building To 2 in.
ISIFP - No Blow
FFP - Weak Surface Blow in 5 min. No Build.
FSIFP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>66</u>	<u>Oil speck Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 66 BHT 100 Gravity 30 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>1685</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>10:14</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>10:31</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>12:28</u>
(D) Initial Shut-In <u>258</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:43</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:40</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage 52.70	Comments
(G) Final Shut-In <u>248</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1588</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1527.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1527.70</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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47648

Well Name & No. Marshall "E" #32 Test No. 3 Date 8-25-12
 Company E & B Natural Resources Elevation 1892 KB 1890 GL
 Address 1600 Norris Rd Bakersfield CA 93308
 Co. Rep / Geo. Bob O'Dell Rig Murfin Rig #16
 Location: Sec. 24 Twp. 11^s Rge. 18^w Co. Ellis State KS

Interval Tested 3409 - 3422 Zone Tested Arbuckle
 Anchor Length 13 Drill Pipe Run 3360 Mud Wt. 9.0
 Top Packer Depth 3404 Drill Collars Run 29 Vis 50
 Bottom Packer Depth 3409 Wt. Pipe Run 0 WL 7.6
 Total Depth 3422 Chlorides 8700 ppm System LCM 6.0

Blow Description I FP - BOB 6min
ISIP - SURFACE Blow in 2min Died in 24min.
FFP - BOB 7min
FSIP - SURFACE Blow in 1min Died in 28min

Rec	Feet of	%gas	%oil	%water	%mud
<u>568</u>	<u>04 MCW</u>	<u>2</u>	<u>95</u>	<u>3</u>	
<u>124</u>	<u>04 MCW</u>	<u>10</u>	<u>70</u>	<u>20</u>	
<u>124</u>	<u>204 WCM</u>	<u>10</u>	<u>15</u>	<u>15</u>	<u>60</u>
<u>50</u>	<u>CO</u>	<u>100</u>			
<u>60</u>	<u>25 IP</u>				

Rec Total 866 BHT 106 Gravity 30 API RW 1.26 @ 67 °F Chlorides 5100 ppm

(A) Initial Hydrostatic 1710 Test 1150 T-On Location 22:38
 (B) First Initial Flow 38 Jars 250 T-Started 23:03
 (C) First Final Flow 198 Safety Joint 75 T-Open 00:55
 (D) Initial Shut-In 516 Circ Sub _____ T-Pulled 04:10
 (E) Second Initial Flow 206 Hourly Standby _____ T-Out 06:48
 (F) Second Final Flow 392 Mileage 52.70 Comments _____
 (G) Final Shut-In 510 Sampler _____
 (H) Final Hydrostatic 1640 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1527.70
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60
 Sub Total 1527.70

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