



**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
---	---

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: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	E & B Natural Resources Management Corp.
Well Name	MARSHALL A 41
Doc ID	1124837

All Electric Logs Run

Dual Compensated Porosity Log
Sonic Cement Bond Log
Microresistivity Log
Dual Induction Log



## DRILL STEM TEST REPORT

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

1600 Norris Rd.  
Bakersfield, CA 93308

ATTN: Bob O'Dell

**Marshall "A" #41**

**31-11s-17w Ellis,KS**

Start Date: 2012.09.21 @ 00:05:30

End Date: 2012.09.21 @ 07:15:30

Job Ticket #: 47931                      DST #: 1

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

Printed: 2012.09.27 @ 10:06:20



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources  
 1600 Norris Rd.  
 Bakersfield, CA 93308  
 ATTN: Bob O'Dell

**31-11s-17w Ellis,KS**  
**Marshall "A" #41**  
 Job Ticket: 47931 **DST#: 1**  
 Test Start: 2012.09.21 @ 00:05:30

## GENERAL INFORMATION:

Formation: **Toronto**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:56:10  
 Time Test Ended: 07:15:30  
 Interval: **3363.00 ft (KB) To 3390.00 ft (KB) (TVD)**  
 Total Depth: 3390.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Rash  
 Unit No: 38  
 Reference Elevations: 2181.00 ft (KB)  
 2176.00 ft (CF)  
 KB to GR/CF: 5.00 ft

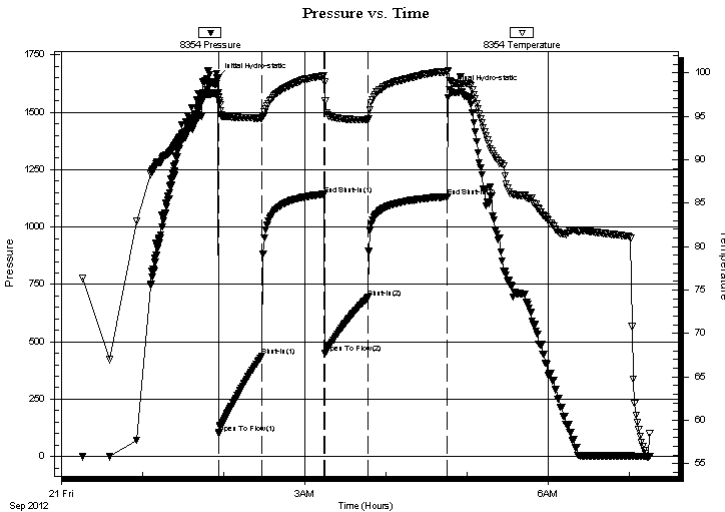
## Serial #: 8354

Inside

Press @ RunDepth: 692.34 psig @ 3365.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.21 End Date: 2012.09.21 Last Calib.: 2012.09.21  
 Start Time: 00:15:30 End Time: 07:15:30 Time On Btm: 2012.09.21 @ 01:55:40  
 Time Off Btm: 2012.09.21 @ 04:47:00

**TEST COMMENT:** IF-Strong building blow . BOB in 2 minutes.  
 ISI-No Return.  
 FF-Strong building blow . BOB in 2 minutes.  
 FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.18	97.69	Initial Hydro-static
1	99.50	97.23	Open To Flow (1)
33	439.01	94.78	Shut-In(1)
79	1142.81	99.64	End Shut-In(1)
79	448.71	98.91	Open To Flow (2)
111	692.34	94.61	Shut-In(2)
170	1131.50	100.13	End Shut-In(2)
172	1600.38	99.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1071.00	95%Water/5%Mud	14.76
494.00	90%Water/10%Mud	6.93

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47931

**DST#: 1**

ATTN: Bob O'Dell

Test Start: 2012.09.21 @ 00:05:30

## Tool Information

Drill Pipe:	Length: 3327.00 ft	Diameter: 3.80 inches	Volume: 46.67 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 46.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	37000.00 lb
Depth to Top Packer:	3363.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3336.00	
Shut In Tool	5.00			3341.00	
Hydraulic tool	5.00			3346.00	
Jars	5.00			3351.00	
Safety Joint	3.00			3354.00	
Packer	5.00			3359.00	28.00 Bottom Of Top Packer
Packer	4.00			3363.00	
Stubb	1.00			3364.00	
Perforations	1.00			3365.00	
Recorder	0.00	8354	Inside	3365.00	
Recorder	0.00	8520	Outside	3365.00	
Perforations	22.00			3387.00	
Bullnose	3.00			3390.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47931

**DST#: 1**

ATTN: Bob O'Dell

Test Start: 2012.09.21 @ 00:05:30

## 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:

17500 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.44 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1071.00	95%Water/5%Mud	14.759
494.00	90%Water/10%Mud	6.930

Total Length: 1565.00 ft

Total Volume: 21.689 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

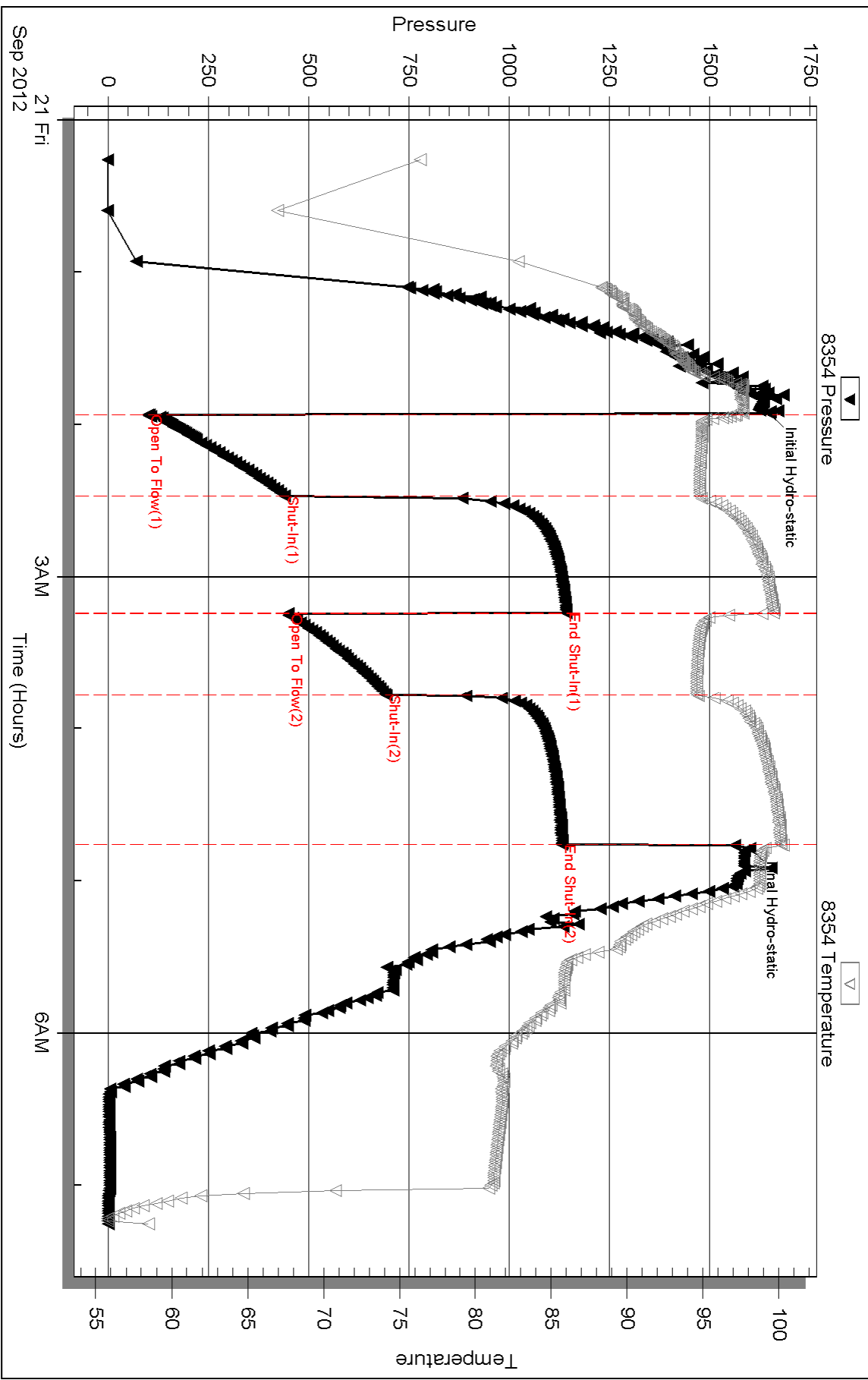
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time

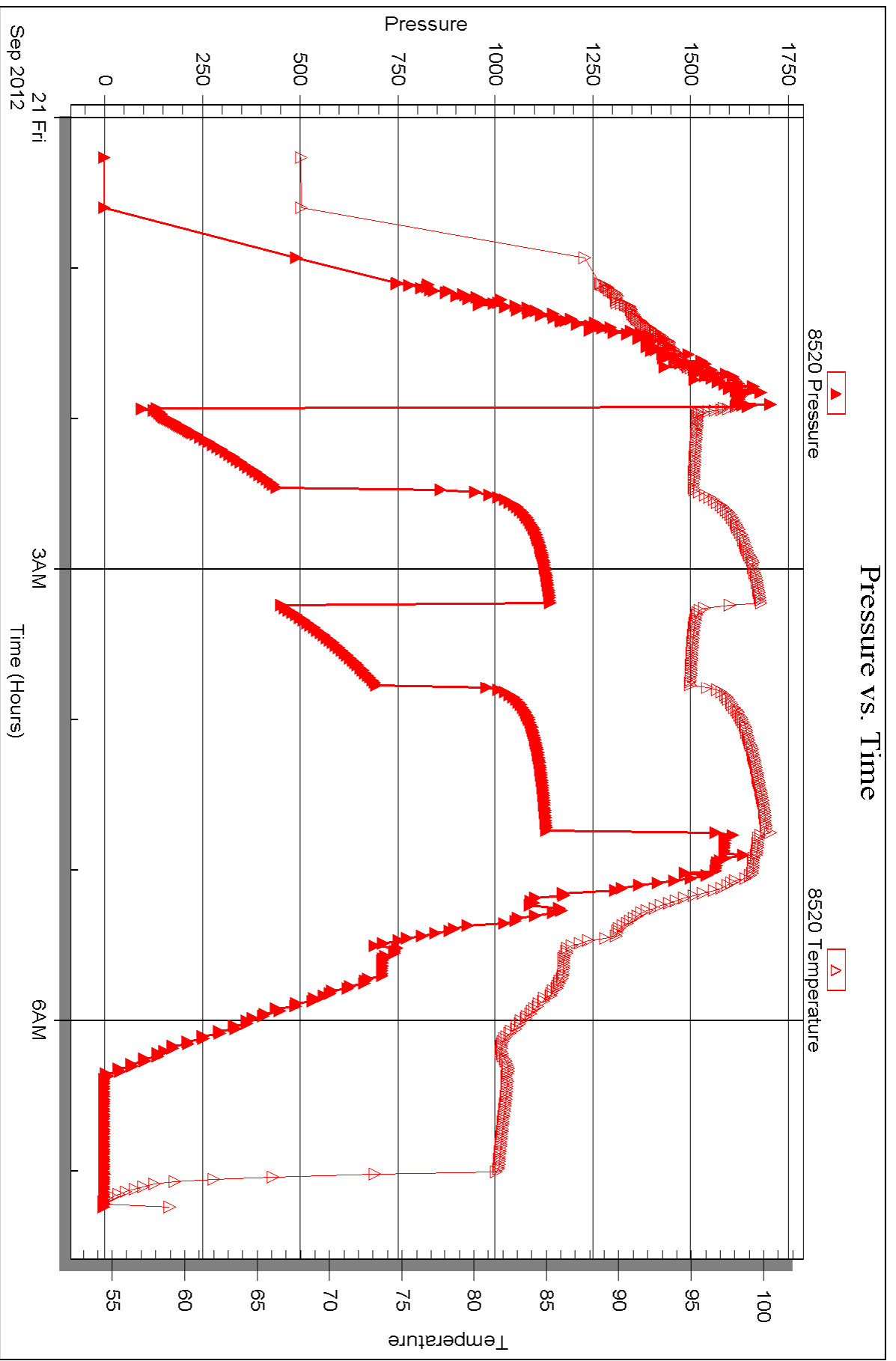


Serial #: 8520

Outside E&B Natural Resources

Marshall "A" #41

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 "A" #41**

### **31-11s-17w Ellis,KS**

Start Date: 2012.09.21 @ 15:23:30

End Date: 2012.09.21 @ 21:53:00

Job Ticket #: 47932                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.27 @ 10:05:33

E&B Natural Resources

31-11s-17w Ellis,KS

Marshall "A" #41

DST # 2

Lansing "A-B"

2012.09.21



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47932

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.09.21 @ 15:23:30

## GENERAL INFORMATION:

Formation: **Lansing "A-B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:55:50

Time Test Ended: 21:53:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3394.00 ft (KB) To 3445.00 ft (KB) (TVD)**

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3445.00 ft (KB) (TVD)

2176.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 394.12 psig @ 3434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.21

End Date: 2012.09.21

Last Calib.: 2012.09.21

Start Time: 15:33:30

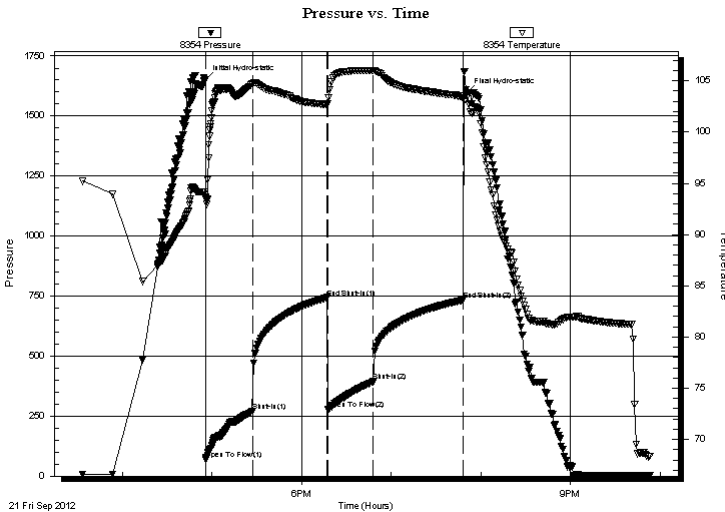
End Time: 21:53:00

Time On Btm: 2012.09.21 @ 16:55:40

Time Off Btm: 2012.09.21 @ 19:51:00

**TEST COMMENT:** IF-Strong building blow . BOB in 2 minutes 45 seconds.  
ISI-No Return.  
FF-Strong building blow . BOB in 3 minutes 30 seconds.  
FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.13	94.12	Initial Hydro-static
1	69.03	93.57	Open To Flow (1)
32	270.37	104.70	Shut-In(1)
82	743.94	102.66	End Shut-In(1)
82	276.94	102.79	Open To Flow (2)
113	394.12	106.01	Shut-In(2)
173	733.46	103.52	End Shut-In(2)
176	1599.06	103.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
507.00	95%Water/5%Mud	6.85
378.00	80%Water/20%Mud	5.30

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47932

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.09.21 @ 15:23:30

## Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	8000.00 lb
			<u>Total Volume: 47.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3394.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	79.00 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			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Jars	5.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	28.00 Bottom Of Top Packer
Packer	4.00			3394.00	
Stubb	1.00			3395.00	
Perforations	5.00			3400.00	
Change Over Sub	1.00			3401.00	
Drill Pipe	32.00			3433.00	
Change Over Sub	1.00			3434.00	
Recorder	0.00	8354	Inside	3434.00	
Recorder	0.00	8520	Outside	3434.00	
Perforations	8.00			3442.00	
Bullnose	3.00			3445.00	51.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>79.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47932

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.09.21 @ 15:23:30

## 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:

19500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.39 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
507.00	95%Water/5%Mud	6.848
378.00	80%Water/20%Mud	5.302

Total Length: 885.00 ft

Total Volume: 12.150 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

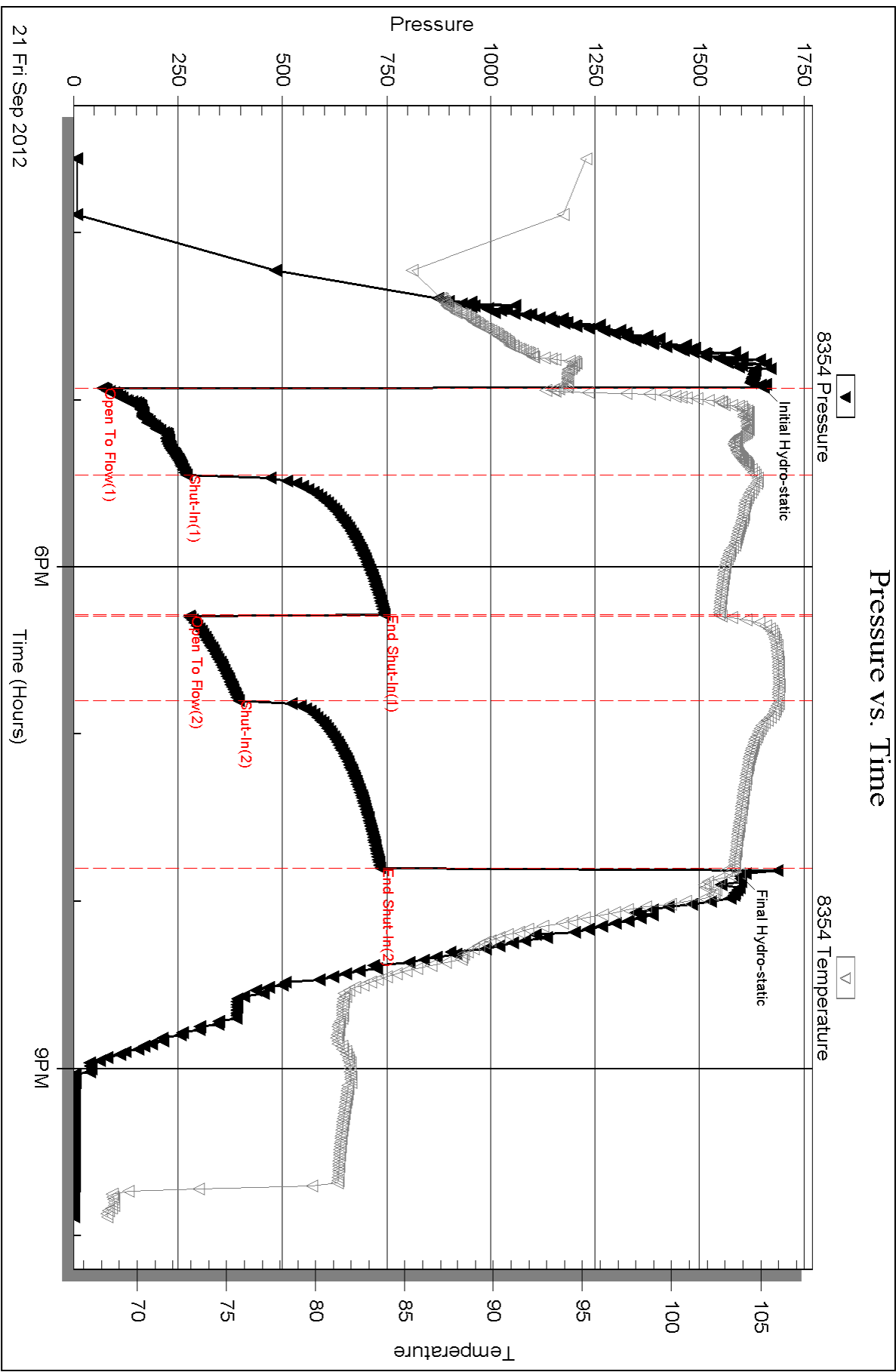
Serial #: 8354

Inside

E&B Natural Resources

Marshall "A" #41

DST Test Number: 2





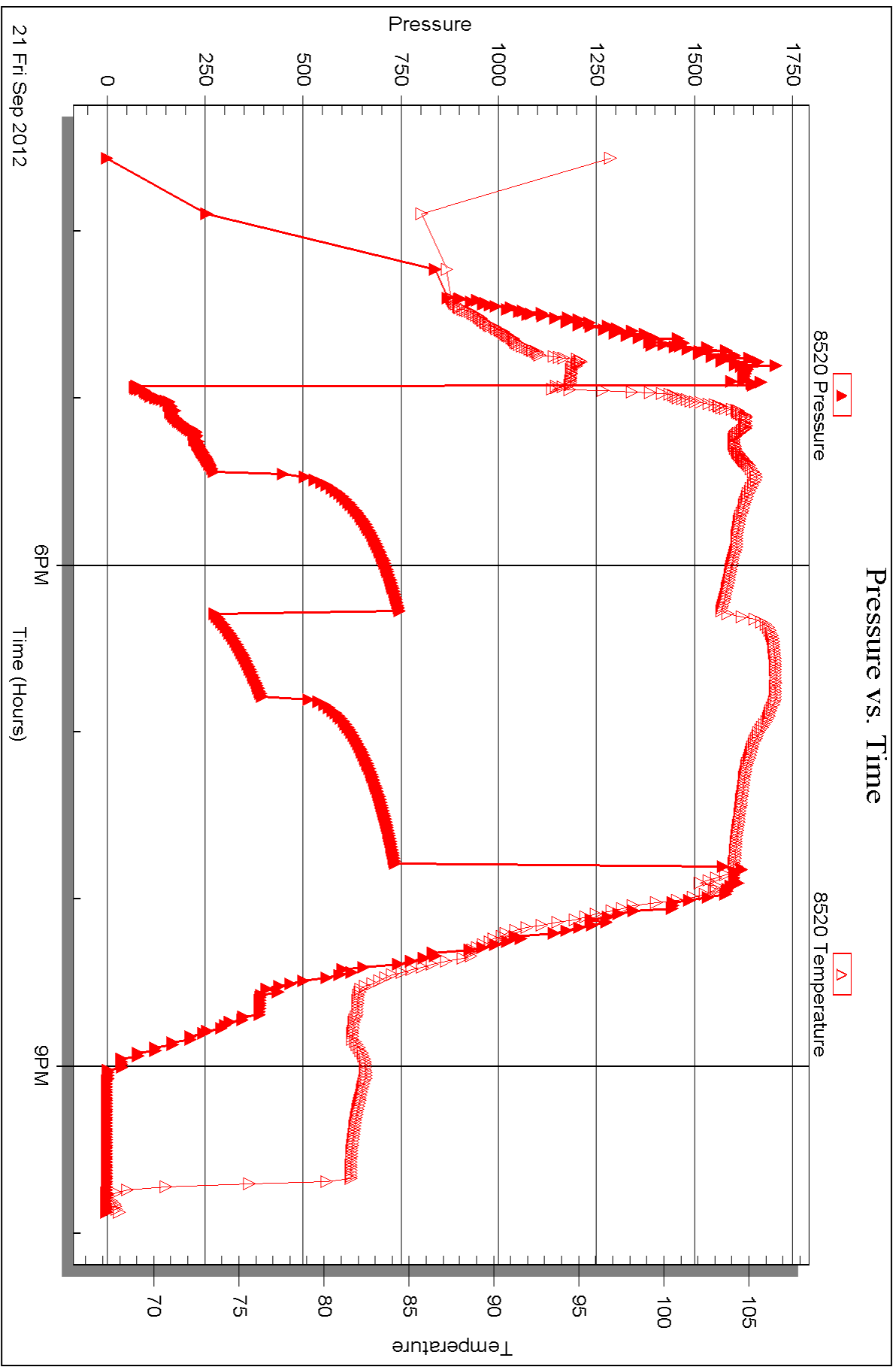
Serial #: 8520

Outside

E&B Natural Resources

Marshall "A" #41

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47932

Printed: 2012.09.27 @ 10:05:37



## DRILL STEM TEST REPORT

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

1600 Norris Rd.  
Bakersfield, CA 93308

ATTN: Bob O'Dell

### **Marshall "A" #41**

### **31-11s-17w Ellis,KS**

Start Date: 2012.09.22 @ 22:12:30

End Date: 2012.09.23 @ 04:25:30

Job Ticket #: 47933                      DST #: 3

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

Printed: 2012.09.27 @ 10:04:48



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47933

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.09.22 @ 22:12:30

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:46:40

Time Test Ended: 04:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3688.00 ft (KB) To 3708.00 ft (KB) (TVD)**

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3708.00 ft (KB) (TVD)

2176.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 114.92 psig @ 3690.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.22

End Date: 2012.09.23

Last Calib.: 2012.09.23

Start Time: 22:22:30

End Time: 04:25:30

Time On Btm: 2012.09.22 @ 23:46:30

Time Off Btm: 2012.09.23 @ 02:37:30

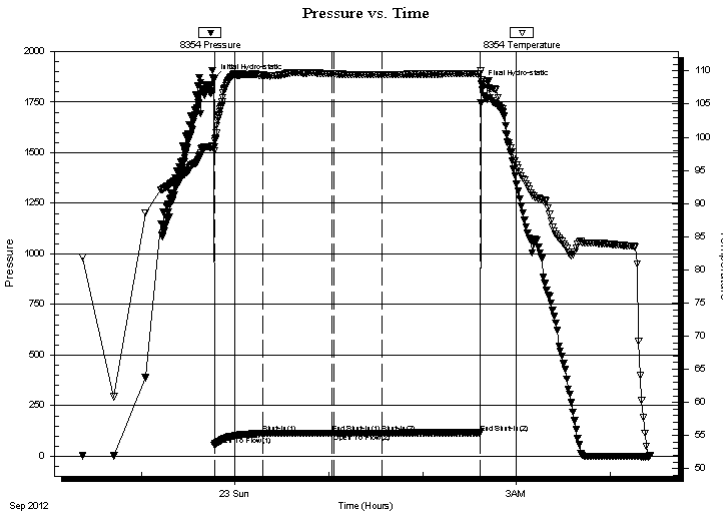
**TEST COMMENT:** IF-Strong building blow . BOB in 4 minutes 15 seconds.

ISI-No Return.

FF-No Blow .

FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.46	98.58	Initial Hydro-static
1	55.69	97.95	Open To Flow (1)
31	112.51	109.36	Shut-In(1)
76	114.86	109.62	End Shut-In(1)
77	114.82	109.61	Open To Flow (2)
108	114.92	109.42	Shut-In(2)
170	116.05	109.64	End Shut-In(2)
171	1838.98	108.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
126.00	90%Water/10%Mud	1.50
94.00	70%Water/30%Mud	1.32

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47933

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.09.22 @ 22:12:30

## Tool Information

Drill Pipe:	Length: 3644.00 ft	Diameter: 3.80 inches	Volume: 51.12 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	8000.00 lb
			<u>Total Volume: 51.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3688.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3661.00	
Shut In Tool	5.00			3666.00	
Hydraulic tool	5.00			3671.00	
Jars	5.00			3676.00	
Safety Joint	3.00			3679.00	
Packer	5.00			3684.00	28.00 Bottom Of Top Packer
Packer	4.00			3688.00	
Stubb	1.00			3689.00	
Perforations	1.00			3690.00	
Recorder	0.00	8354	Inside	3690.00	
Recorder	0.00	8520	Outside	3690.00	
Perforations	15.00			3705.00	
Bullnose	3.00			3708.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47933

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.09.22 @ 22:12:30

## 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:

25000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.42 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	90%Water/10%Mud	1.503
94.00	70%Water/30%Mud	1.319

Total Length: 220.00 ft

Total Volume: 2.822 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

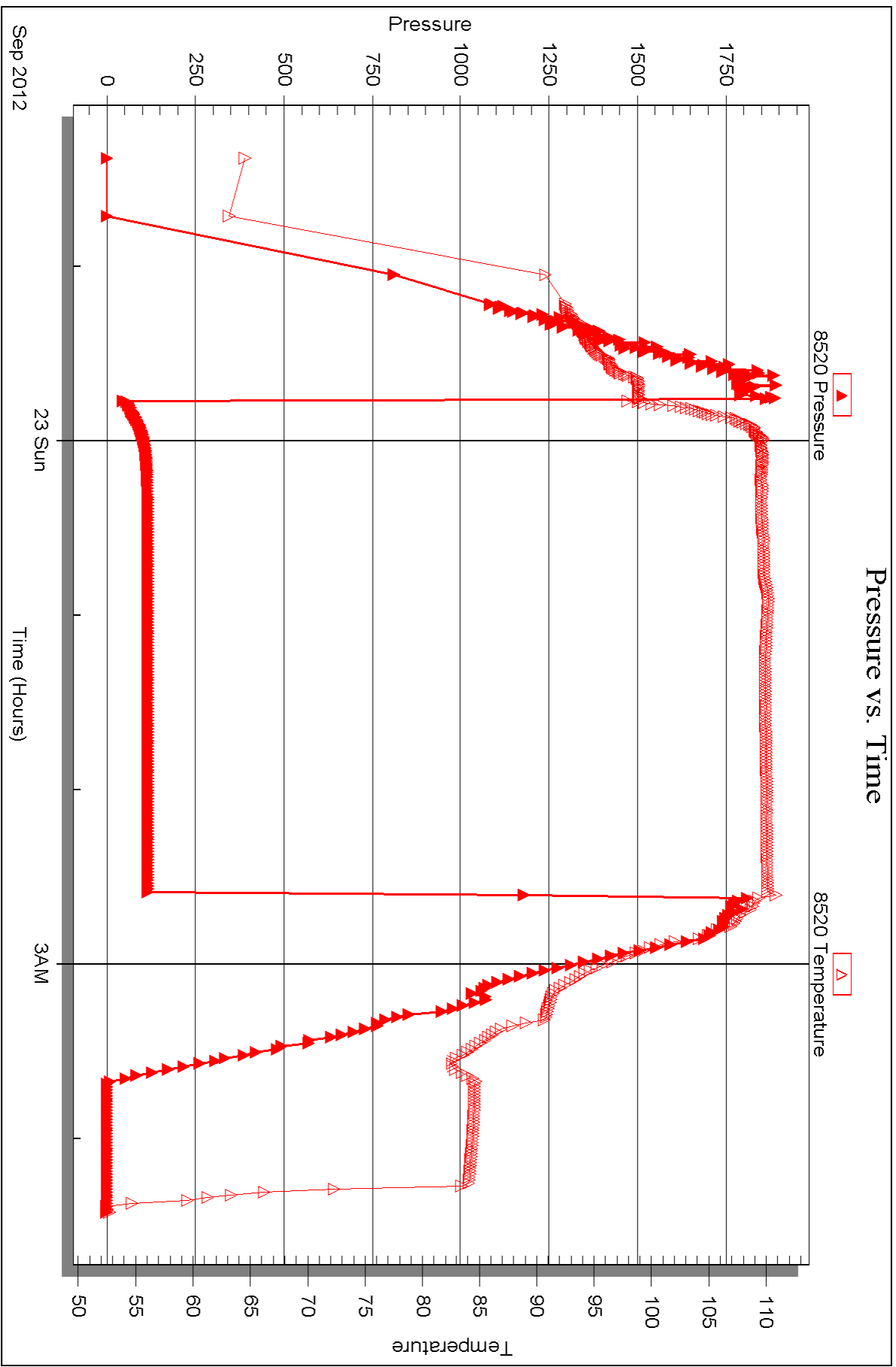


Serial #: 8520

Outside E&B Natural Resources

Marshall "A" #41

DST Test Number: 3







## DRILL STEM TEST REPORT

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

1600 Norris Rd.  
Bakersfield, CA 93308

ATTN: Bob O'Dell

### **Marshall "A" #41**

### **31-11s-17w Ellis,KS**

Start Date: 2012.09.23 @ 10:53:30

End Date: 2012.09.23 @ 19:21:30

Job Ticket #: 47934                      DST #: 4

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

Printed: 2012.09.27 @ 10:04:04



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47934

**DST#: 4**

ATTN: Bob O'Dell

Test Start: 2012.09.23 @ 10:53:30

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:41:30

Time Test Ended: 19:21:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3709.00 ft (KB) To 3720.00 ft (KB) (TVD)**

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3720.00 ft (KB) (TVD)

2176.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8354**

**Inside**

Press @ Run Depth: 1038.79 psig @ 3711.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.23

End Date:

2012.09.23

Last Calib.:

2012.09.23

Start Time:

11:03:30

End Time:

19:21:30

Time On Btm:

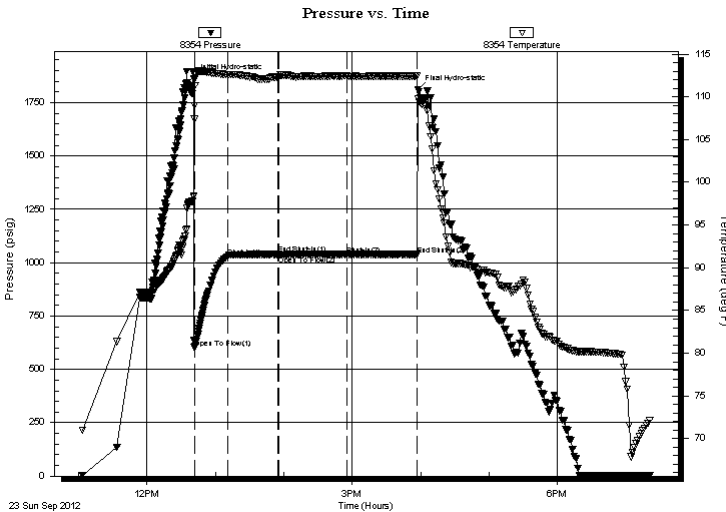
2012.09.23 @ 12:41:00

Time Off Btm:

2012.09.23 @ 15:58:00

**TEST COMMENT:** IF-Strong building blow . BOB in 45 seconds.  
ISI-No Return.  
FF-Weak building blow . Built to 10 inches.  
FSI-Weak surging surface blow throughout.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.67	98.40	Initial Hydro-static
1	602.05	107.38	Open To Flow (1)
30	1027.85	112.59	Shut-In(1)
74	1039.20	112.31	End Shut-In(1)
75	1031.59	112.32	Open To Flow (2)
135	1038.79	112.42	Shut-In(2)
196	1038.96	112.41	End Shut-In(2)
197	1809.81	109.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1008.00	100%Water	13.88
852.00	15%Oil/85%Water	11.95
441.00	10%Gas/15%Oil/45%Water/30%Mud	6.19
60.00	10%Gas/90%Oil	0.84
0.00	90' G.I.P.	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47934

**DST#: 4**

ATTN: Bob O'Dell

Test Start: 2012.09.23 @ 10:53:30

## Tool Information

Drill Pipe:	Length: 3677.00 ft	Diameter: 3.80 inches	Volume: 51.58 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	8000.00 lb
			<u>Total Volume: 51.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3709.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	39.00 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			3682.00	
Shut In Tool	5.00			3687.00	
Hydraulic tool	5.00			3692.00	
Jars	5.00			3697.00	
Safety Joint	3.00			3700.00	
Packer	5.00			3705.00	28.00 Bottom Of Top Packer
Packer	4.00			3709.00	
Stubb	1.00			3710.00	
Perforations	1.00			3711.00	
Recorder	0.00	8354	Inside	3711.00	
Recorder	0.00	8520	Outside	3711.00	
Perforations	6.00			3717.00	
Bullnose	3.00			3720.00	11.00 Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

E&B Natural Resources

**31-11s-17w Ellis,KS**

1600 Norris Rd.  
Bakersfield, CA 93308

**Marshall "A" #41**

Job Ticket: 47934

**DST#: 4**

ATTN: Bob O'Dell

Test Start: 2012.09.23 @ 10:53:30

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.34 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1008.00	100%Water	13.875
852.00	15%Oil/85%Water	11.951
441.00	10%Gas/15%Oil/45%Water/30%Mud	6.186
60.00	10%Gas/90%Oil	0.842
0.00	90' G.I.P.	0.000

Total Length: 2361.00 ft

Total Volume: 32.854 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

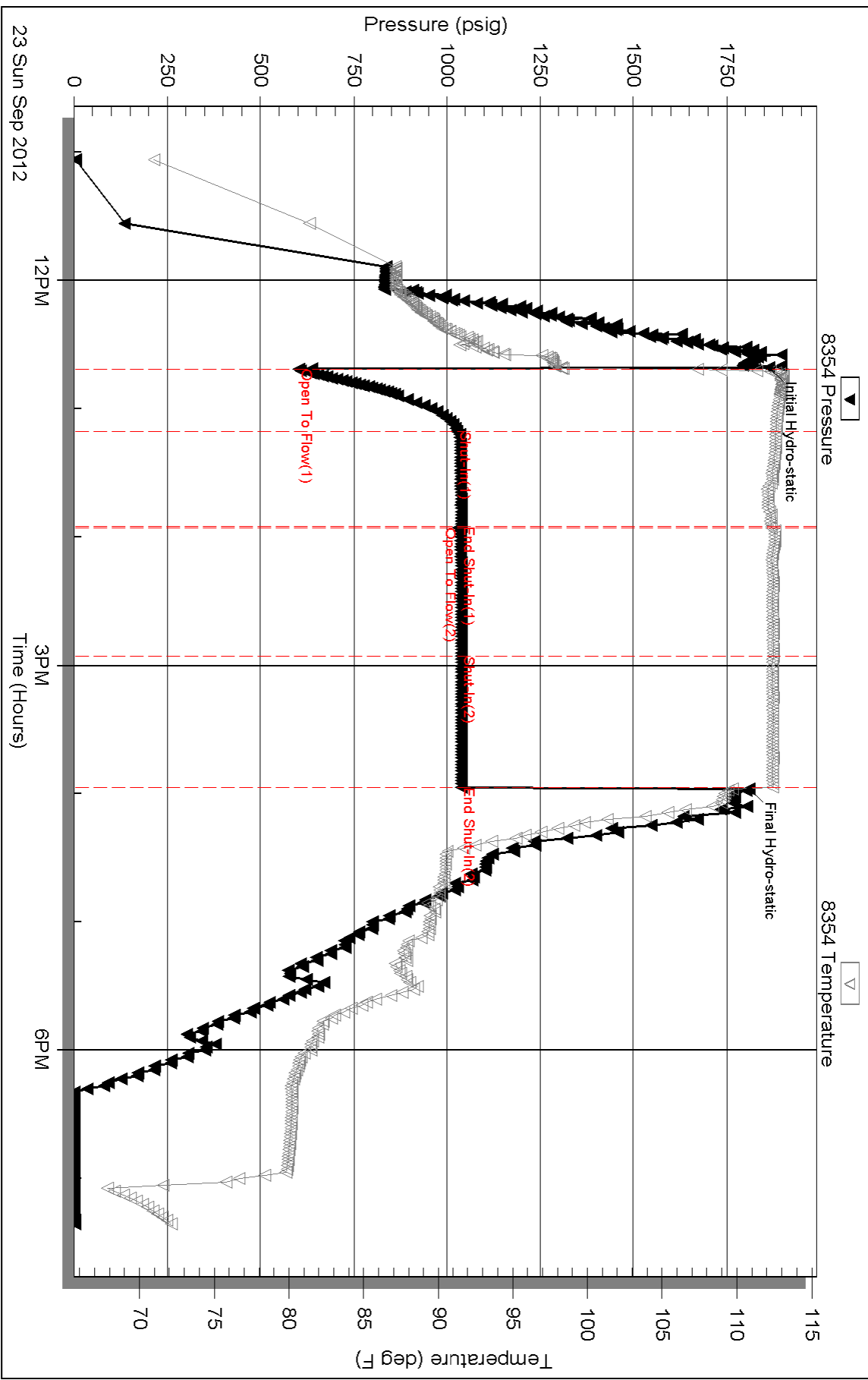
Inside

E&B Natural Resources

Marshall "A" #41

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47934

Printed: 2012.09.27 @ 10:04:08

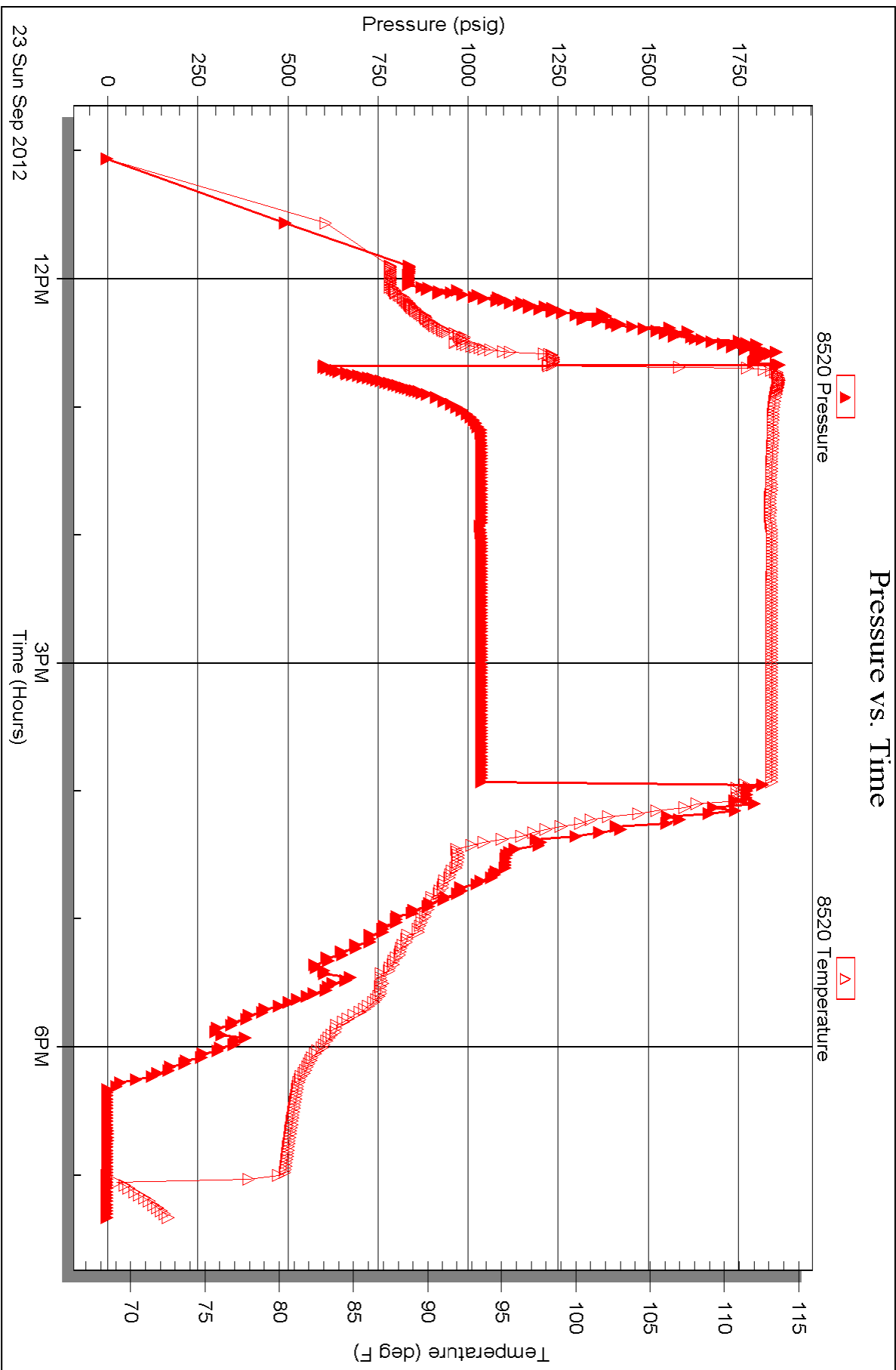
Serial #: 8520

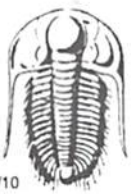
Outside

E&B Natural Resources

Marshall "A" #41

DST Test Number: 4





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47931

Well Name & No. Marshall "A" #41 Test No. 1 Date 9-20-12  
 Company E&B Natural Resources Elevation 2181 KB 2176 GL  
 Address 1600 Norris Rd. Bakersfield, CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murphy 16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3363-3390 Zone Tested Toronto  
 Anchor Length 27' Drill Pipe Run 3327 Mud Wt. 8.8  
 Top Packer Depth 3358 Drill Collars Run 29.06 Vis 65  
 Bottom Packer Depth 3363 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3390 Chlorides 3700 ppm System LCM 4.0

Blow Description FF- Strong building blow, BOB in 2 minutes  
ISI- No Return,  
FF- Strong building blow, BOB in 2 minutes,  
ISI- No Return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>494</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
<u>1071</u>	<u>Muddy Water</u>			<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

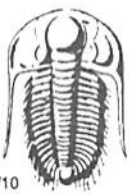
Rec Total 1565 BHT 100 Gravity 440 @ 58 ° F Chlorides 17500 ppm  
 (A) Initial Hydrostatic 1649  Test 1150 T-On Location 2200  
 (B) First Initial Flow 100  Jars 250 T-Started 0015  
 (C) First Final Flow 439  Safety Joint 75 T-Open 0156  
 (D) Initial Shut-In 1143  Circ Sub T-Pulled 0445  
 (E) Second Initial Flow 449  Hourly Standby T-Out 0715  
 (F) Second Final Flow 692  Mileage 15X2 46.50 Comments Batt- 0005  
 (G) Final Shut-In 1132  Sampler  
 (H) Final Hydrostatic 1600  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1521.50  
 MP/DST Disc't

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. 47932

Well Name & No. Marshall "A" #41 Test No. 2 Date 9-24-72  
 Company E&B Natural Resources Elevation 2181 KB 2176 GL  
 Address 1600 Norris Rd. Bakersfield, CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Mudwin 16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3394 - 3445 Zone Tested Lansing "A-B"  
 Anchor Length 51' Drill Pipe Run 3360 Mud Wt. 8.8  
 Top Packer Depth 3389 Drill Collars Run 29.06 Vis 50  
 Bottom Packer Depth 3394 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3445 Chlorides 4500 ppm System LCM 4.0#

Blow Description IF- Strong building blow, BOB in 2 minutes 45 seconds,  
ISF- No Return,  
FF- Strong building blow, BOB in 3 minutes 30 seconds,  
FSE- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>378</u>	<u>Muddy Water</u>		<u>80</u>	<u>20</u>	
<u>507</u>	<u>Muddy Water</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 885 BHT 106 Gravity \_\_\_\_\_ API RW .394@61 °F Chlorides 19500 ppm

(A) Initial Hydrostatic <u>1653</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>1445</u>
(B) First Initial Flow <u>69</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1530</u>
(C) First Final Flow <u>270</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1656</u>
(D) Initial Shut-In <u>744</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1945</u>
(E) Second Initial Flow <u>277</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2200</u>
(F) Second Final Flow <u>394</u>	<input checked="" type="checkbox"/> Mileage <u>15X2</u> 46.50	Comments <u>Bart-1523</u>
(G) Final Shut-In <u>733</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1599</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>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1521.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1521.50</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. 47933

Well Name & No. Marshall "A" #41 Test No. 3 Date 9-22-12  
 Company E+B Natural Resources Elevation 2181 KB 2176 GL  
 Address 1600 Norris Rd. Bakersfield, CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murphy 16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3688-3708 Zone Tested Aubuckle  
 Anchor Length 20' Drill Pipe Run 3644 Mud Wt. 9.2  
 Top Packer Depth 3683 Drill Collars Run 29.06 Vis 50  
 Bottom Packer Depth 3688 Wt. Pipe Run 0 WL 8.4  
 Total Depth 3708 Chlorides 4900 ppm System LCM 8.0#

Blow Description IF-Strong building blow. BOB in 4 minutes 15 seconds.  
ISI- No Return,  
FF- No Blow,  
FSI- No Return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>94</u>	<u>Muddy Water</u>			<u>70%</u>	<u>30</u>
<u>126</u>	<u>Muddy Water</u>			<u>90%</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

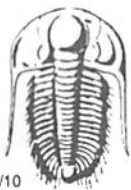
Rec Total 220 BHT 110 Gravity 46.50 API RW 424 @ 45 ° F Chlorides 25000 ppm

(A) Initial Hydrostatic 1864  Test 1150 T-On Location 2145  
 (B) First Initial Flow 56  Jars 250 T-Started 2230  
 (C) First Final Flow 113  Safety Joint 75 T-Open 2347  
 (D) Initial Shut-In 115  Circ Sub T-Pulled 0235  
 (E) Second Initial Flow 115  Hourly Standby T-Out 0430  
 (F) Second Final Flow 115  Mileage 15X2 46.50 Comments Barr-2212  
 (G) Final Shut-In 116  Sampler  
 (H) Final Hydrostatic 1839  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 0  
 Day Standby Total 1521.50  
 Accessibility MP/DST Disc't  
 Sub Total 1521.50

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. 47934

Well Name & No. Marshall "A" #41 Test No. 4 Date 9-23-12  
 Company ETB Natural Resources Elevation 2181 KB 2176 GL  
 Address 1600 Norris Rd. Bakersfield, CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Marlin 16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3709-3720 Zone Tested Ambuckle  
 Anchor Length 11' Drill Pipe Run 3677 Mud Wt. 9.2  
 Top Packer Depth 3704 Drill Collars Run 29.06 Vis 50  
 Bottom Packer Depth 3709 Wt. Pipe Run 0 WL 8.4  
 Total Depth 3720 Chlorides 4900 ppm System LCM 8.0#

Blow Description IF-Strong building blow. BOB in 45 seconds.  
~~IST- No Return.~~  
FF- Weak building blow. Built to 10 inches.  
~~FST- Weak surging surface blow throughout.~~

Rec	Feet of	%gas	%oil	%water	%mud
60	Gassy Oil	10	90		
441	Gassy OCWMA	10	15	45	30
852	OCW		15	85	
1008	Water			100	
	90' G.I.P.				

Rec Total 2361 BHT 113 Gravity 28 API RW 345 @ 68 °F Chlorides 20,000 ppm

- (A) Initial Hydrostatic 1865
- (B) First Initial Flow 602
- (C) First Final Flow 1028
- (D) Initial Shut-In 1039
- (E) Second Initial Flow 1032
- (F) Second Final Flow 1039
- (G) Final Shut-In 1039
- (H) Final Hydrostatic 1810

- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 15 X 2 46.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1521.50

T-On Location 1030  
 T-Started 1100  
 T-Open 1241  
 T-Pulled 1555  
 T-Out 1915  
 Comments BOB - 1053

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 60

- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1521.50

Approved By \_\_\_\_\_ Our Representative D. Rash

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.





**CONSOLIDATED**  
Oil Well Services, LLC



**ENTERED**

TICKET NUMBER 35252

LOCATION Eureka #3

FOREMAN Rick Ladford

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

API # 15-051-26389

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-17-12	2706	Marshall A # 41	31	115	174	Ellis
CUSTOMER <u>E+B Natural Resources</u>						
MAILING ADDRESS <u>1600 Norris Rd</u>						
CITY <u>Bakersfield</u>	STATE <u>CA</u>	ZIP CODE <u>93308</u>	TRUCK # <u>520</u>	DRIVER <u>John</u>	TRUCK #	DRIVER
			<u>515</u>	<u>Calin</u>		

JOB TYPE Surface 0 HOLE SIZE 12 1/4" HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 8 5/8"  
 CASING DEPTH 272' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15" SLURRY VOL 42 bbl WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16 bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting - Rig up to 8 5/8" casing. Mixed 175 sacs class A cement w/ 3% cacl2 + 2% gel @ 15#/gal. Displace w/ 16 bbl fresh water. Shut casing in w/ good cement returns to surface = 16 bbl slurry to pit. Job complete. Rig down.

Plug down @ 6:00 p.m.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	1085.00	1085.00
5406	40	MILEAGE	5.00	200.00
11043	175 sacs	class A cement	17.65	3088.75
1102	495#	3% cacl2	.89	440.55
11188	330#	2% gel	.25	82.50
5407A	8.23	ten mileage bulk tax	1.67	549.76
			Subtotal	5446.56
			-10% disc.	-544.66
				4901.90
			SALES TAX	227.54
			ESTIMATED TOTAL	5129.44

Ravin 3737

252963

6.3%

AUTHORIZATION [Signature]

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 36745  
LOCATION Chanute  
FOREMAN Fuzzy  
Miles 5

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
9-24-12	2706	Marshall A-41	31	11	17	Ellis																
CUSTOMER <u>E &amp; B Natural Resources</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>528</td> <td>Jim - E</td> <td></td> <td></td> </tr> <tr> <td>530</td> <td>Marlo - E</td> <td></td> <td></td> </tr> <tr> <td>566</td> <td>Jordan</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	528	Jim - E			530	Marlo - E			566	Jordan		
TRUCK #	DRIVER	TRUCK #					DRIVER															
528	Jim - E																					
530	Marlo - E																					
566	Jordan																					
MAILING ADDRESS																						
CITY	STATE	ZIP CODE																				

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 3780' CASING SIZE & WEIGHT 5"2 15.5  
CASING DEPTH 3770' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DU @ 2284'  
SLURRY WEIGHT 13.8-12.5 SLURRY VOL 1.42-1.89 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 10.95  
DISPLACEMENT 89.4 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on morning #16 float equip cont 1, 5, 9, 13, 20, 27 - Baskets 2, 11, 29, 34, 37, 43, 54 DU tool @ 37 Riseup and circulate 1 1/2 hr. Mix 500gal mud flush 5 BBL water mix 200skts OWC w 5\* Kolsal. Wash pump and lines Drop plug and displace 35 BBL water. 55 BBL mud lift 800\* land plug @ 1500\* Drop DU Bomb wait 15 min open tool @ 800\* circ 1 1/2 hr. Pump 5 BBL water mix 30skts in RH. Mix 470skts 60/40 pos 89 gal 1 1/4\* floreal down 5 1/2 casing. Wash pump + lines Displace plug with 5 3/4 BBL water 700\* lift close tool @ 1800\* cement did circulate approx 20 BBL to pit

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 <sup>00</sup>	3020 <sup>00</sup>
5406	<u>48</u>	MILEAGE	5 <sup>00</sup>	235 <sup>00</sup>
5407A	31 ton	Tow Mileage Delivery	1 <sup>07</sup>	2329 <sup>65</sup>
1126	200skts	OWC	22 <sup>52</sup>	4510 <sup>00</sup>
1110A	1000*	Kolsal	1.56	560 <sup>00</sup>
1131	500skts	60/40 pos	15 <sup>10</sup>	7550 <sup>00</sup>
1118B	3440*	Bentonite	.25	860 <sup>00</sup>
1107	125*	floréal	2 <sup>82</sup>	352 <sup>50</sup>
1144G	500gal	Mud Flush	1 <sup>00</sup>	500 <sup>00</sup>
4159	1	5 1/2 AFU Float shoe (w)	413 <sup>00</sup>	413 <sup>00</sup>
4454	1	5 1/2 - Flex latchdown Bottle (w)	567 <sup>00</sup>	567 <sup>00</sup>
4277	1	5 1/2 - DU Tool (w)	4800 <sup>00</sup>	4800 <sup>00</sup>
4130	6	5 1/2 - Centralizers	58 <sup>00</sup>	348 <sup>00</sup>
4104	7	5 1/2 - Baskets (3I) (4-w)	276 <sup>00</sup>	1932 <sup>00</sup>
		subtotal		27967 <sup>15</sup>
		less 10%		27967 <sup>23</sup>
		subtotal		25170 <sup>92</sup>
		SALES TAX		12109.66

Flavin 3737

AUTHORIZATION David Jensen TITLE Prod. Sup. ESTIMATED TOTAL 216440.09 DATE 9-25-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

253251