

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

OPERATOR: License # 34405  
Name: E & B Natural Resources Management Corp.  
Address 1: 1600 Norris Road  
Address 2: \_\_\_\_\_  
City: Bakersfield State: CA Zip: 93308 + \_\_\_\_\_  
Contact Person: Keith Pickett  
Phone: (661) 301-1500  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Company, Inc.  
Wellsite Geologist: Bob O'Dell  
Purchaser: Plains Exploration

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 (Cores, 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 #: \_\_\_\_\_

<u>04-02-2012</u>	<u>04-10-2012</u>	<u>04-15-2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26294 - 00-00  
Spot Description: \_\_\_\_\_  
NW NE SE SW/4 Sec. 31 Twp. 11 S. R. 17  East  West  
1,025 Feet from  North /  South Line of Section  
2,207 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ellis  
Lease Name: Marshall "A" Well #: 40  
Field Name: Bemis-Shutts  
Producing Formation: Arbuckle  
Elevation: Ground: 2,111 Kelly Bushing: 2,116  
Total Depth: 3,708 Plug Back Total Depth: 3,704  
Amount of Surface Pipe Set and Cemented at: 262 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: 57,000 ppm Fluid volume: 150 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**RECEIVED**  
**AUG 02 2012**

**KCC WICHITA**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: [Signature]  
Title: Engineer Date: 07-30-2012

**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: DJG Date: 8/6/12

Operator Name: E & B Natural Resources Management Corp. Lease Name: Marshall "A" Well #: 40

Sec. 31 Twp. 11 S. R. 17  East  West County: Ellis

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Microresistivity Log, Dual Compensated Porosity Log,                  Dual Induction Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1,351</td> <td>+765</td> </tr> <tr> <td>Topeka</td> <td>3,070</td> <td>-954</td> </tr> <tr> <td>Heebner</td> <td>3,298</td> <td>-1,182</td> </tr> <tr> <td>Lansing</td> <td>3,344</td> <td>-1,228</td> </tr> <tr> <td>BKS</td> <td>3,585</td> <td>-1,469</td> </tr> <tr> <td>Arbuckle</td> <td>3,623</td> <td>-1,507</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1,351	+765	Topeka	3,070	-954	Heebner	3,298	-1,182	Lansing	3,344	-1,228	BKS	3,585	-1,469	Arbuckle	3,623	-1,507
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Arbuckle	3,623	-1,507																				

CASING RECORD <input checked="" 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
Surface	12-1/4"	8-5/8"	20 Lbs.	261'	Class A	165	3% CC 2% Gel
Production	7-7/8"	5-1/2"	15.5 Lbs.	3,705'	OWC	285	1,425# KolSeal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Arbuckle		3,665.5'-3,668'

TUBING RECORD: Size: <u>3-1/2"</u> Set At: <u>3,649</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04-15-2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u> Gas Mcf <u>0</u> Water Bbls. <u>2,000</u> Gas-Oil Ratio <u>N/A</u> Gravity <u>31</u>

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. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3,665.5'-3,668'</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 34457  
LOCATION Oakley Ks  
FOREMAN Walt Dunkel

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-2-12		Marshall A #40	31	11S	17W	Ellis
CUSTOMER E+B Natural Resources			Hays			
MAILING ADDRESS			n-to			
CITY			Buckeye Rd, 3E			
STATE			3N-1/2E			
ZIP CODE			n.s			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Josh Ginkle		
			439	Wes Flann		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 262' CASING SIZE & WEIGHT 8 5/8 - 20#  
 CASING DEPTH 262' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15 1/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Rig up on Mur Fin #16, Circ casing on bottom  
mix 165 sks com, 30410-2% gel, Displace 15 1/4 BBL H<sub>2</sub>O, Shut in  
Permit D.D. Circ  
Approx 5 BBL to Pit

Thank You  
Walt Dunkel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1,085.00	1,085.00
5406	30	MILEAGE	5.00	150.00
11045	165 sks	Class A Cement	17.65	2,912.25
1102	465 #	Calcium Chloride	.89	413.85
1118B	310 #	Gel	.25	77.50
5407	7.76	Tan Mileage Delivery	162	410.00
				5,048.60
Loss 10% Disc				504.86
				4,543.74
SALES TAX ESTIMATED TOTAL				

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AUG 02 2012  
KCC WICHITA

Ravin 3737

AUTHORIZATION Andy Cibul TITLE TR 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

TICKET NUMBER 33806  
LOCATION Bobby AS  
FOREMAN Miles Shaw  
Walt Dinkel

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
4-10-12	2706	Marshall 'A' #40	31	115	17W	Ellis/KS																
CUSTOMER E & B Natural Gas			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>4156</td> <td>Damon M.</td> <td></td> <td></td> </tr> <tr> <td>466</td> <td>Cody R.</td> <td></td> <td></td> </tr> <tr> <td>528</td> <td>Bobby S.</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	4156	Damon M.			466	Cody R.			528	Bobby S.		
TRUCK #	DRIVER	TRUCK #					DRIVER															
4156	Damon M.																					
466	Cody R.																					
528	Bobby S.																					
MAILING ADDRESS																						
CITY	STATE	ZIP CODE																				

Hay 3  
north to  
Buckeye  
Red  
38  
3H  
112E

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 3766 CASING SIZE & WEIGHT 5 1/2 15.5#  
CASING DEPTH 3704.78 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DUP 2068.90  
SLURRY WEIGHT 14.2-12.5 SLURRY VOL 1.42-1.89 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 10.05'  
DISPLACEMENT 90.5- DISPLACEMENT PSI 900 MIX PSI \_\_\_\_\_ RATE 5 1/2 bbls/min

REMARKS: Solly meeting & rigged up on murfin rig #16. Calculated casing for 30 min pump  
5 bbls water then mud flush 5 bbls water behind. Mixed 285 SKS OWC cement with 3" Kol-seal  
1/4" Flo Seal displaced with 38 3/4 bbls water & 49 1/4 bbls mud plus landed at 1500 psi. Draped  
back waited 15 min open tool circulated for 1 hr  
mixed 30 SKS in RH.  
Mixed 470 SKS 60/40 mix 8% vol, 1/4" Flo Seal, Brolase Plug  
Displace 48 1/2 BBL H<sub>2</sub>O @ 1500# Land Plug @ 1500#, release pressure  
Tool Held

Cement Did Cure

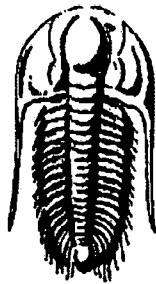
Thank you, Walt Miles + Crad

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2700.00	2700.00
5406	45	MILEAGE	5.00	225.00
5407A	34.90	Ten mileage delivers	1.67	2622.00
1126	285 SKS	OWC mix	22.55	6,426.25
1110A	1425#	Kol-seal	.56	798.00
		KGC WICHITA		
4159	1	5 1/2 Float Shoe API	413.00	413.00
4130	8	5 1/2 Centralizers	58.00	464.00
4104	4	5 1/2 Baskets	276.00	1104.00
4283	1	5 1/2 D & T w/ Latchdown	3850.00	3,850.00
				27,865.00
		Less 10% Disc		2,786.25
				25,078.75
		SALES TAX		
		ESTIMATED		
		TOTAL		

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE 4-10-12

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.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.06 @ 08:05:25

End Date: 2012.04.06 @ 15:03:55

Job Ticket #: 47704                      DST #: 1

RECEIVED

AUG 02 2012

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

**ORIGINAL**

Printed: 2012.04.18 @ 10:40:53

E&B Natural Resources

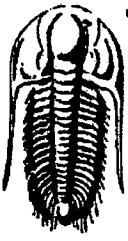
31-11s-17w Ellis,KS

Marshall 'A' #40

DST # 1

KC "E"

2012.04.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis, KS

1600 Norris RD  
Bakersfield CA 93308

**Marshall 'A' #40**

Job Ticket: 47704

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 08:05:25

## GENERAL INFORMATION:

Formation: **KC "E"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:16:25

Time Test Ended: 15:03:55

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Brett Dickinson**

Unit No: **59**

Interval: **3403.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Reference Elevations: **2116.00 ft (KB)**

Total Depth: **3420.00 ft (KB) (TVD)**

**2111.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **5.00 ft**

**Serial #: 8369**

**Inside**

Press@RunDepth: **27.60 psig @ 3404.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.04.06**

End Date:

**2012.04.06**

Last Calib.: **2012.04.06**

Start Time: **08:05:30**

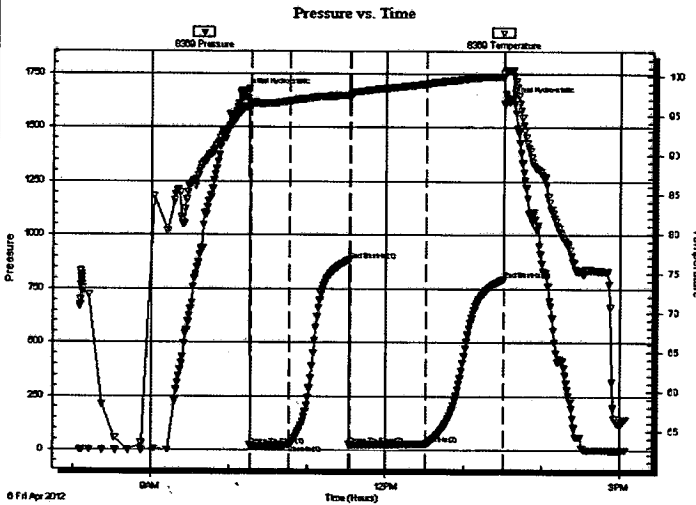
End Time:

**15:03:54**

Time On Btm: **2012.04.06 @ 10:10:25**

Time Off Btm: **2012.04.06 @ 13:33:55**

TEST COMMENT: IF-3.5" blow  
IS-No blow  
FF-5.5" blow  
FSI-No blow



## PRESSURE SUMMARY

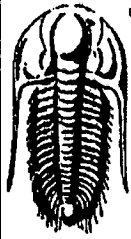
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.88	95.86	Initial Hydro-static
6	19.98	96.28	Open To Flow (1)
35	22.20	96.78	Shut-In(1)
81	884.29	97.56	End Shut-In(1)
82	22.24	97.55	Open To Flow (2)
141	27.60	99.02	Shut-In(2)
200	795.20	99.93	End Shut-In(2)
204	1624.32	100.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	OCM 30%O 70%M	0.22
0.00	85ft GIP	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' #40**

Job Ticket: 47704

**DST#: 1**

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 08:05:25

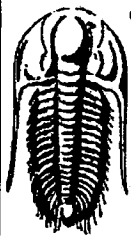
**Tool Information**

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3403.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3376.00	
Shut In Tool	5.00			3381.00	
Hydraulic tool	5.00			3386.00	
Jars	5.00			3391.00	
Safety Joint	2.00			3393.00	
Packer	5.00			3398.00	28.00 Bottom Of Top Packer
Packer	5.00			3403.00	
Stubb	1.00			3404.00	
Recorder	0.00	8369	Inside	3404.00	
Recorder	0.00	8319	Outside	3404.00	
Perforations	13.00			3417.00	
Bullnose	3.00			3420.00	17.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**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' #40

Job Ticket: 47704

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 08:05:25

**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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
35.00	OCM 30%O 70%M	0.218
0.00	85ft GIP	0.000

Total Length: 35.00 ft

Total Volume: 0.218 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

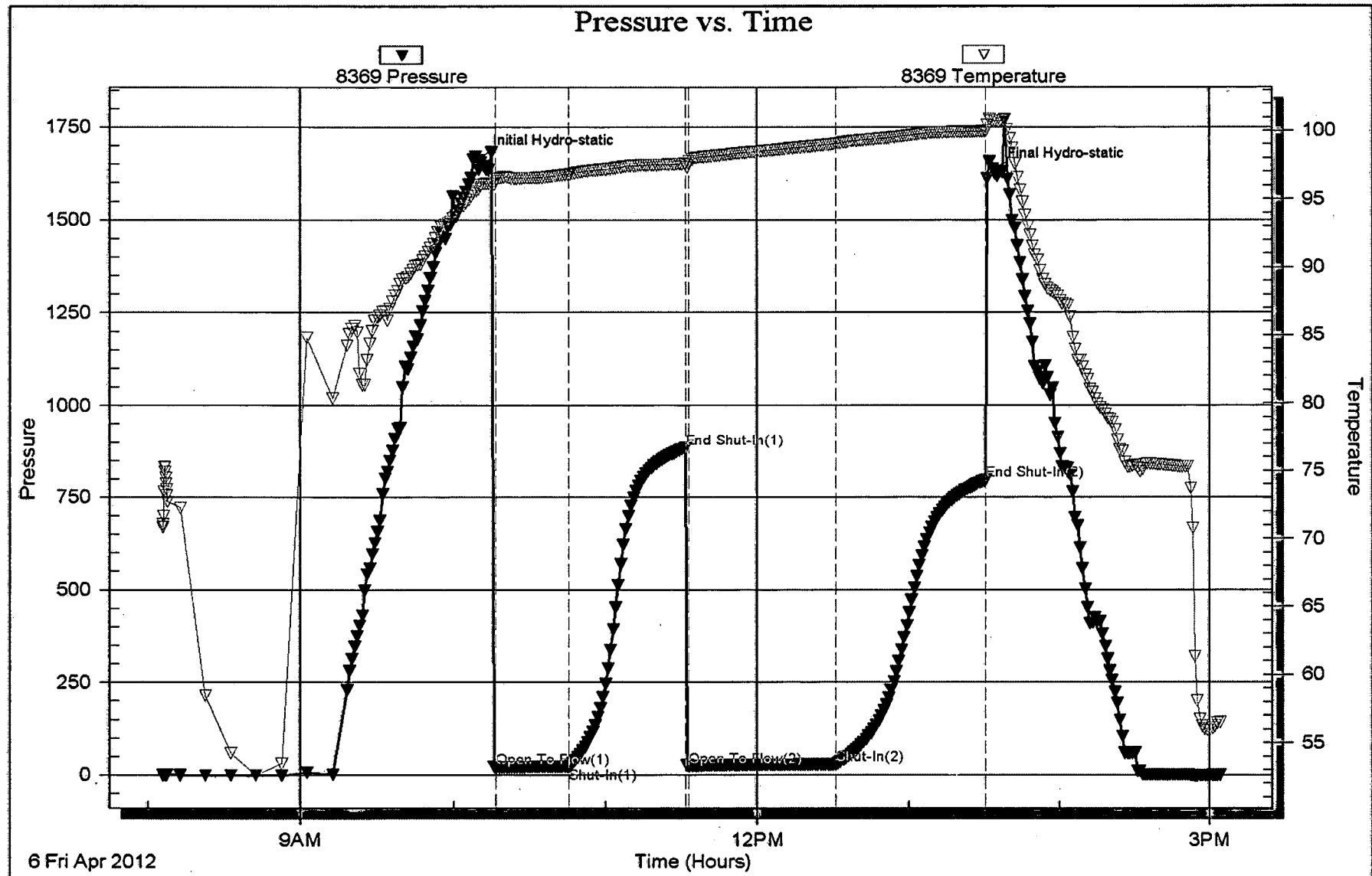
Serial #:

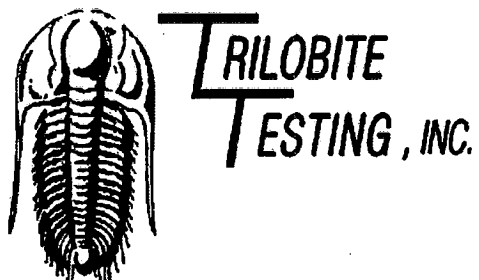
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.06 @ 21:30:42

End Date: 2012.04.07 @ 04:42:42

Job Ticket #: 47705                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.18 @ 10:41:35

E&B Natural Resources

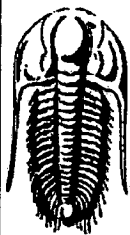
31-11s-17w Ellis,KS

Marshall 'A' #40

DST # 2

KC "G"

2012.04.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis, KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47705

DST#: 2

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 21:30:42

## GENERAL INFORMATION:

Formation: **KC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:36:12

Time Test Ended: 04:42:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3434.00 ft (KB) To 3445.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3445.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **8369**

Inside

Press@RunDepth: 29.83 psig @ 3435.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.06

End Date:

2012.04.07

Last Calib.: 2012.04.07

Start Time: 21:30:47

End Time:

04:42:41

Time On Btm: 2012.04.06 @ 23:35:12

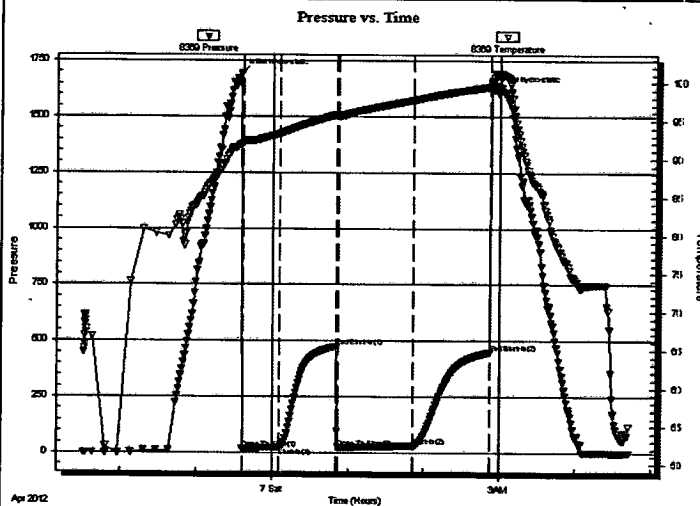
Time Off Btm: 2012.04.07 @ 02:55:12

TEST COMMENT: IF-Very weak surface blow

ISI-No blow

FF-No blow

FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.99	91.86	Initial Hydro-static
1	17.40	92.04	Open To Flow (1)
31	21.83	93.33	Shut-In(1)
76	475.17	95.78	End Shut-In(1)
77	23.49	95.59	Open To Flow (2)
136	29.83	97.71	Shut-In(2)
197	448.33	99.48	End Shut-In(2)
200	1618.52	100.65	Final Hydro-static

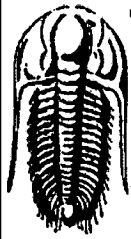
## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05
20.00	VSOMCW 1%O 5%M 94%W	0.10

\* 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

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

1600 Norris RD  
Bakersfield CA 93308

**Marshall 'A' #40**

Job Ticket: 47705

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 21:30:42

## Tool Information

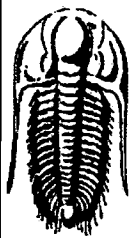
Drill Pipe:	Length: 3390.00 ft	Diameter: 3.80 inches	Volume: 47.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3434.00 ft			Final 45000.00 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			3407.00	
Shut In Tool	5.00			3412.00	
Hydraulic tool	5.00			3417.00	
Jars	5.00			3422.00	
Safety Joint	2.00			3424.00	
Packer	5.00			3429.00	28.00 Bottom Of Top Packer
Packer	5.00			3434.00	
Stubb	1.00			3435.00	
Recorder	0.00	8369	Inside	3435.00	
Recorder	0.00	8319	Outside	3435.00	
Perforations	7.00			3442.00	
Bullnose	3.00			3445.00	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' #40

Job Ticket: 47705

DST#: 2

ATTN: Bob O'Dell

Test Start: 2012.04.06 @ 21:30:42

### 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: 27000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	mud	0.049
20.00	VSOMCW 1%O 5%M 94%W	0.098

Total Length: 30.00 ft      Total Volume: 0.147 bbl

Num Fluid Samples: 0

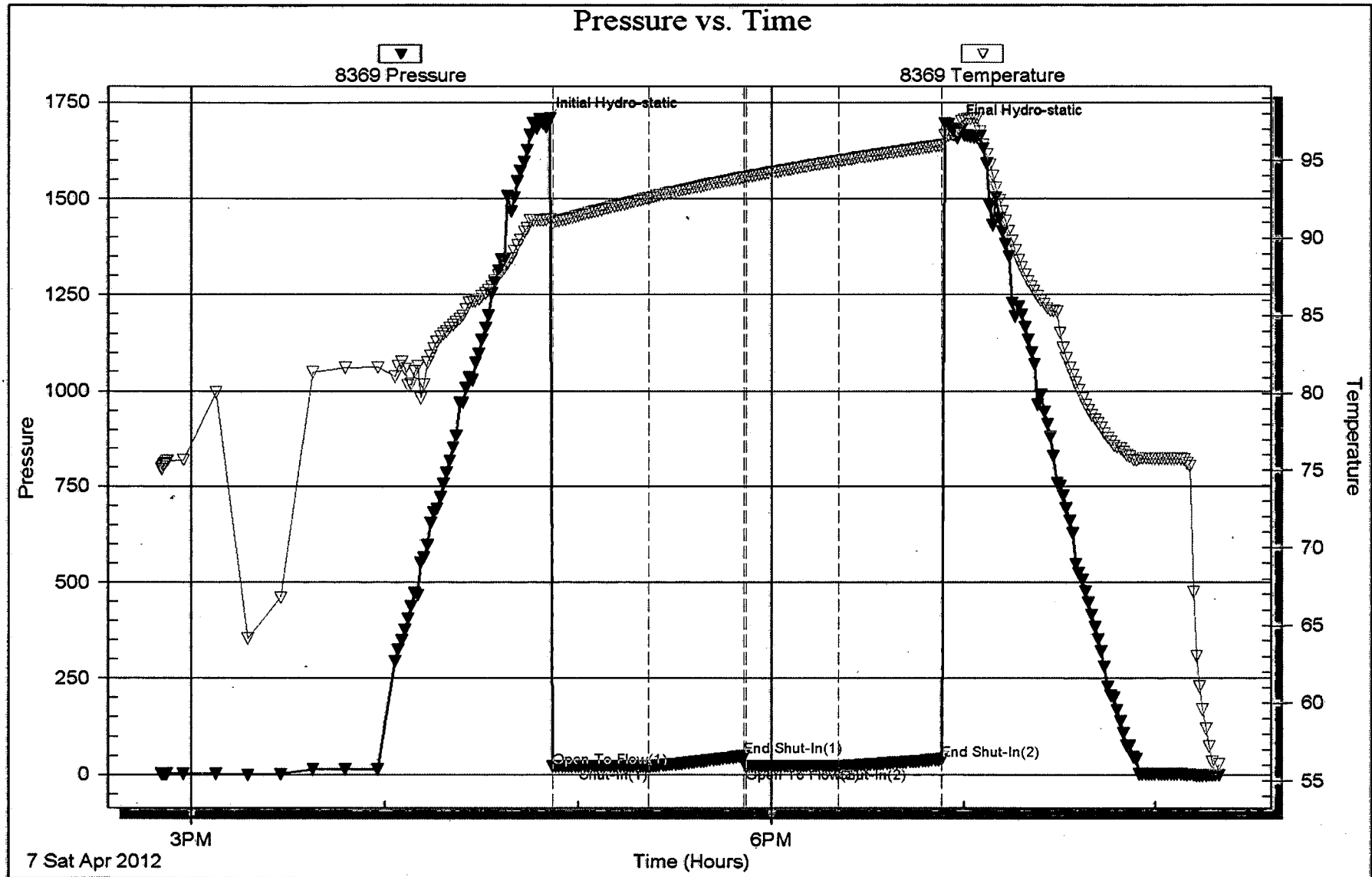
Num Gas Bombs: 0

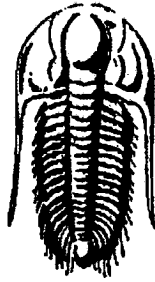
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .33 @ 55





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.07 @ 14:50:28

End Date: 2012.04.07 @ 20:20:28

Job Ticket #: 47706                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.18 @ 10:41:49

E&B Natural Resources

31-11s-17w Ellis,KS

Marshall 'A' #40

DST # 3

KC" I, J"

2012.04.07



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis,KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47706

DST#: 3

ATTN: Bob O'Dell

Test Start: 2012.04.07 @ 14:50:28

### GENERAL INFORMATION:

Formation: KC" I,J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:58

Time Test Ended: 20:20:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3488.00 ft (KB) To 3530.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3530.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 21.14 psig @ 3489.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.07

End Date:

2012.04.07

Last Calib.: 2012.04.07

Start Time: 14:50:33

End Time:

20:20:27

Time On Btm: 2012.04.07 @ 16:48:58

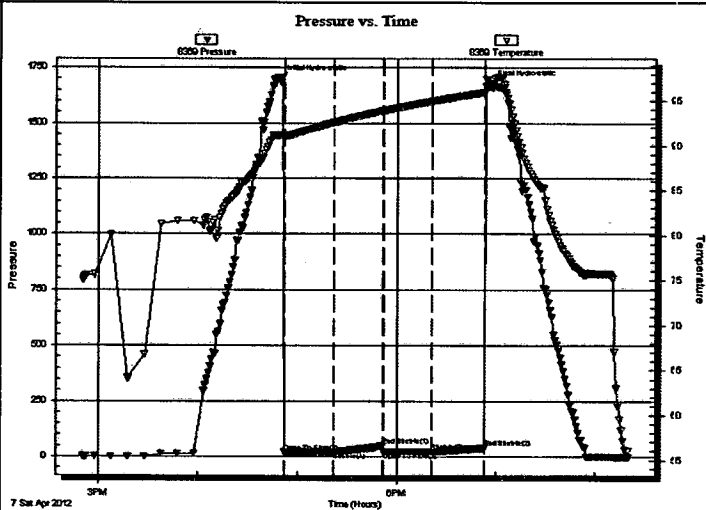
Time Off Btm: 2012.04.07 @ 18:56:28

TEST COMMENT: IF-very weak surface blow died in 9 nmin

IS-No blow

FF-No blow

FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.13	91.12	Initial Hydro-static
3	19.71	90.92	Open To Flow (1)
33	20.14	92.55	Shut-In(1)
63	48.33	93.87	End Shut-In(1)
63	20.46	93.89	Open To Flow (2)
92	21.14	94.94	Shut-In(2)
124	38.86	95.95	End Shut-In(2)
128	1676.46	96.63	Final Hydro-static

### Recovery

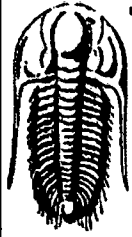
Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

\* 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

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

1600 Norris RD  
Bakersfield CA 93308

**Marshall 'A' #40**

Job Ticket: 47706

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.04.07 @ 14:50:28

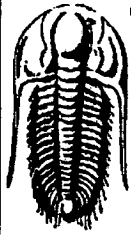
### Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3488.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			3461.00	
Shut In Tool	5.00			3466.00	
Hydraulic tool	5.00			3471.00	
Jars	5.00			3476.00	
Safety Joint	2.00			3478.00	
Packer	5.00			3483.00	28.00 Bottom Of Top Packer
Packer	5.00			3488.00	
Stubb	1.00			3489.00	
Recorder	0.00	8369	Inside	3489.00	
Recorder	0.00	8319	Outside	3489.00	
Perforations	4.00			3493.00	
Change Over Sub	1.00			3494.00	
Drill Pipe	32.00			3526.00	
Change Over Sub	1.00			3527.00	
Bullnose	3.00			3530.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**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' #40

Job Ticket: 47706

DST#: 3

ATTN: Bob O'Dell

Test Start: 2012.04.07 @ 14:50:28

**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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in<sup>3</sup>

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
5.00	Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

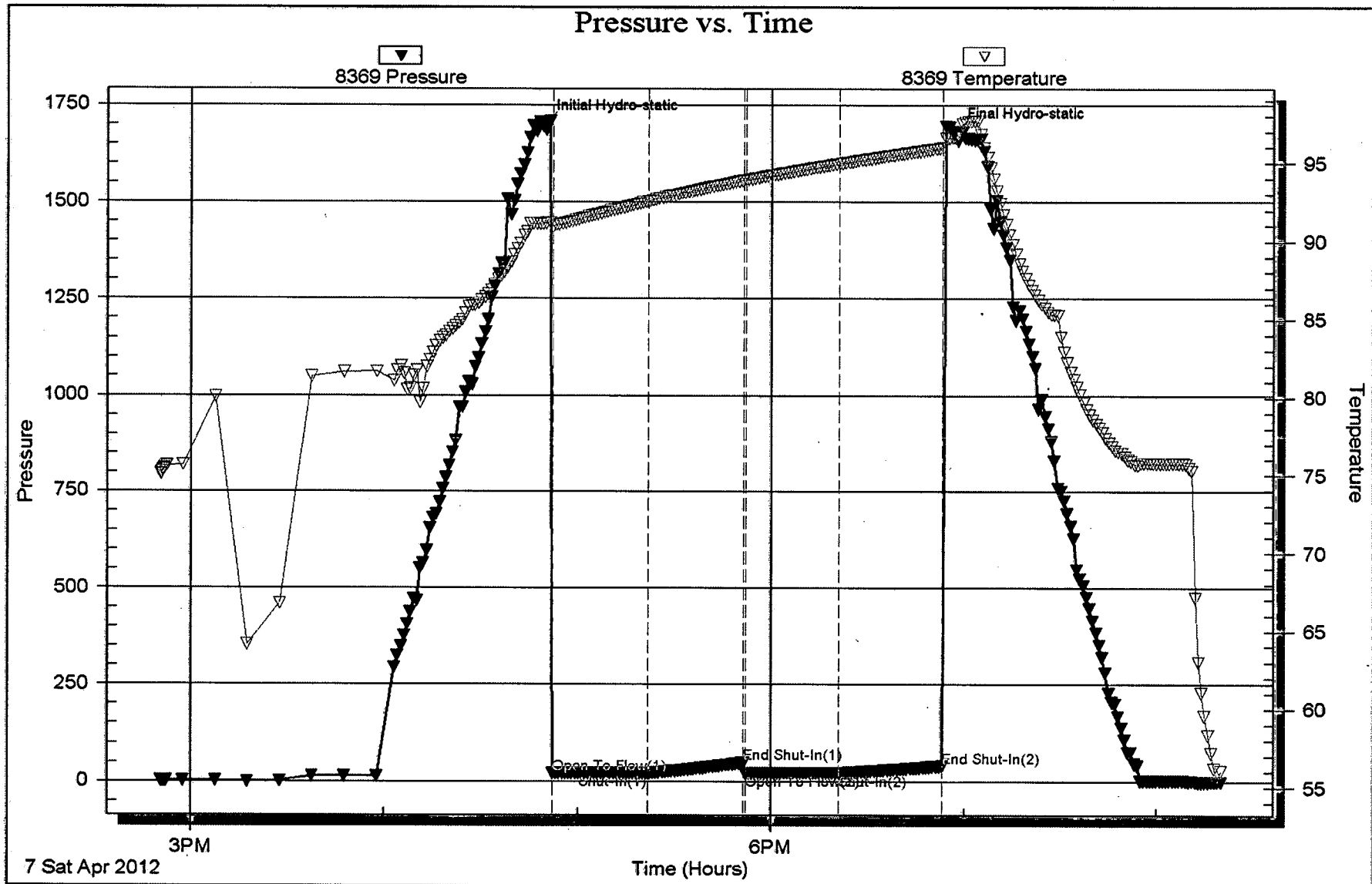
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



7 Sat Apr 2012



## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.08 @ 09:45:54

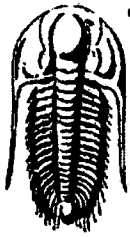
End Date: 2012.04.08 @ 16:14:24

Job Ticket #: 47707                      DST #: 4

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

Printed: 2012.04.18 @ 10:42:08

E&B Natural Resources      31-11s-17w Ellis,KS      Marshall 'A' #40      DST # 4      Arbuckle      2012.04.08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis, KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47707

DST#: 4

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 09:45:54

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:30:54

Time Test Ended: 16:14:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3597.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **8369**

Inside

Press@RunDepth: 55.99 psig @ 3598.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.08

End Date:

2012.04.08

Last Calib.: 2012.04.08

Start Time: 09:45:59

End Time:

16:14:23

Time On Btm: 2012.04.08 @ 11:29:54

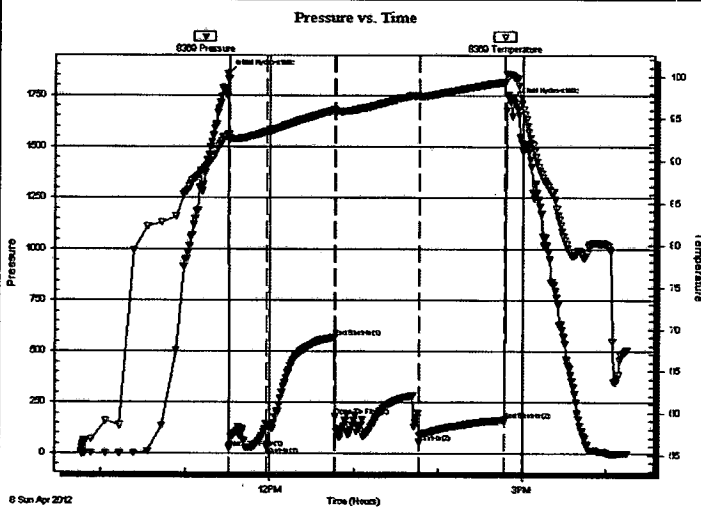
Time Off Btm: 2012.04.08 @ 14:53:54

TEST COMMENT: IF-3/4" blow died back to 1/2"

ISI-No blow

FF-No blow

FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1854.88	92.96	Initial Hydro-static
1	27.01	92.65	Open To Flow (1)
28	32.66	93.39	Shut-In(1)
76	570.08	96.01	End Shut-In(1)
77	183.91	95.91	Open To Flow (2)
136	55.99	97.63	Shut-In(2)
198	166.53	99.35	End Shut-In(2)
204	1718.70	99.90	Final Hydro-static

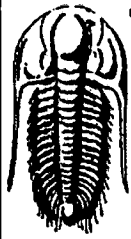
## Recovery

Length (ft)	Description	Volume (bbl)
15:00	Mud	0.07

\* 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

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

1600 Norris RD  
Bakersfield CA 93308

**Marshall 'A' #40**

Job Ticket: 47707

DST#: 4

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 09:45:54

**Tool Information**

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3597.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			3570.00	
Shut In Tool	5.00			3575.00	
Hydraulic tool	5.00			3580.00	
Jars	5.00			3585.00	
Safety Joint	2.00			3587.00	
Packer	5.00			3592.00	28.00 Bottom Of Top Packer
Packer	5.00			3597.00	
Stubb	1.00			3598.00	
Recorder	0.00	8369	Inside	3598.00	
Recorder	0.00	8319	Outside	3598.00	
Perforations	5.00			3603.00	
Change Over Sub	1.00			3604.00	
Drill Pipe	32.00			3636.00	
Change Over Sub	1.00			3637.00	
Bullnose	3.00			3640.00	43.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**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' #40

Job Ticket: 47707

DST#: 4

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 09:45:54

## 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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in<sup>3</sup>

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
15.00	Mud	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

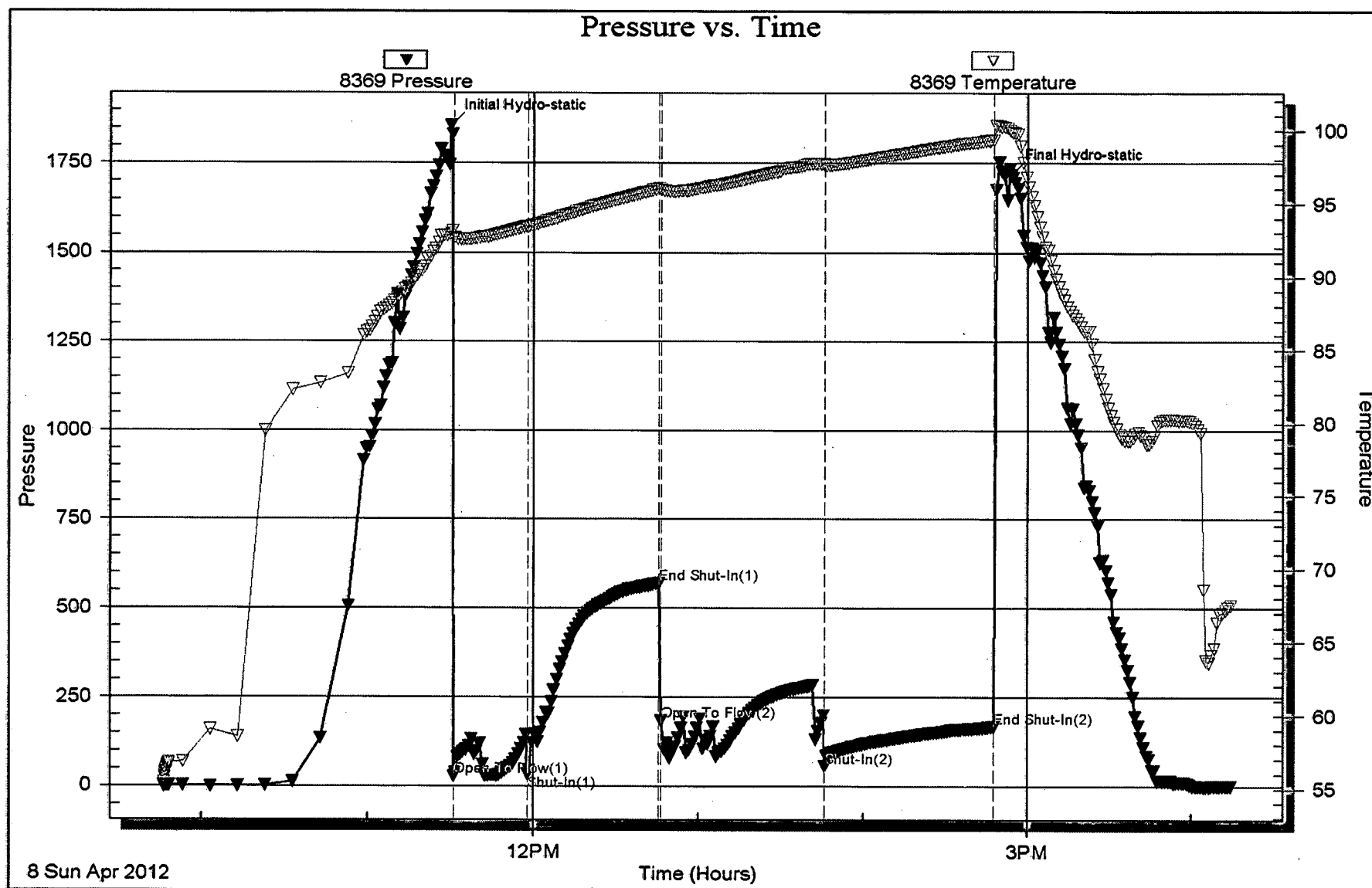
Num Gas Bombs: 0

Serial #:

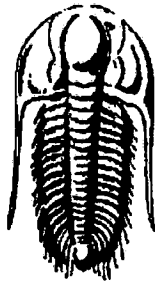
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.08 @ 22:20:17

End Date: 2012.04.09 @ 05:33:17

Job Ticket #: 47708                      DST #: 5

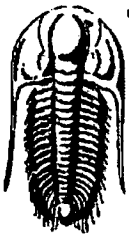
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.18 @ 10:42:27

E&B Natural Resources    31-11s-17w Ellis,KS    Marshall 'A' #40    DST # 5    Arbuckle    2012.04.08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis,KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47708

DST#: 5

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 22:20:17

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:18:47

Time Test Ended: 05:33:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3641.00 ft (KB) To 3656.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3656.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **8369**

Inside

Press@RunDepth: 991.68 psig @ 3642.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.08

End Date:

2012.04.09

Last Calib.: 2012.04.09

Start Time: 22:20:22

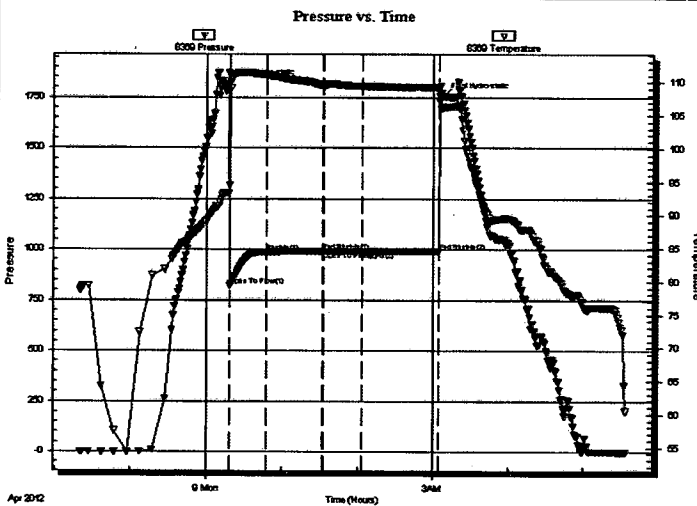
End Time:

05:33:16

Time On Btm: 2012.04.09 @ 00:16:47

Time Off Btm: 2012.04.09 @ 03:07:47

TEST COMMENT: IF-BOB in 1/2 min  
FSI-No blow  
FF-1" blow died back to 1/4"  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.69	93.28	Initial Hydro-static
2	821.00	94.52	Open To Flow (1)
31	987.75	111.05	Shut-In(1)
76	990.84	109.59	End Shut-In(1)
76	990.81	109.57	Open To Flow (2)
107	991.68	109.45	Shut-In(2)
168	992.35	109.27	End Shut-In(2)
171	1755.90	106.22	Final Hydro-static

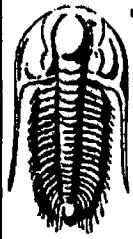
## Recovery

Length (ft)	Description	Volume (bbl)
1460.00	Water	20.21
500.00	Oil scum w ater	7.01
120.00	WCM 45%W 55%M	1.68
90.00	WCM 20%W 80%M	1.26

\* 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

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

1600 Norris RD  
Bakersfield CA 93308

**Marshall 'A' #40**

Job Ticket: 47708

**DST#: 5**

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 22:20:17

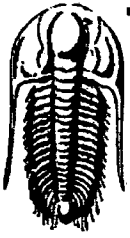
**Tool Information**

Drill Pipe:	Length: 3612.00 ft	Diameter: 3.80 inches	Volume: 50.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3641.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			3614.00	
Shut In Tool	5.00			3619.00	
Hydraulic tool	5.00			3624.00	
Jars	5.00			3629.00	
Safety Joint	2.00			3631.00	
Packer	5.00			3636.00	28.00 Bottom Of Top Packer
Packer	5.00			3641.00	
Stubb	1.00			3642.00	
Recorder	0.00	8369	Inside	3642.00	
Recorder	0.00	8319	Outside	3642.00	
Perforations	11.00			3653.00	
Bullnose	3.00			3656.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**



**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' #40

Job Ticket: 47708

DST#: 5

ATTN: Bob O'Dell

Test Start: 2012.04.08 @ 22:20:17

**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:

40000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
1460.00	Water	20.207
500.00	Oil scum w ater	7.014
120.00	WCM 45%W 55%M	1.683
90.00	WCM 20%W 80%M	1.262

Total Length: 2170.00 ft

Total Volume: 30.166 bbl

Num Fluid Samples: 0

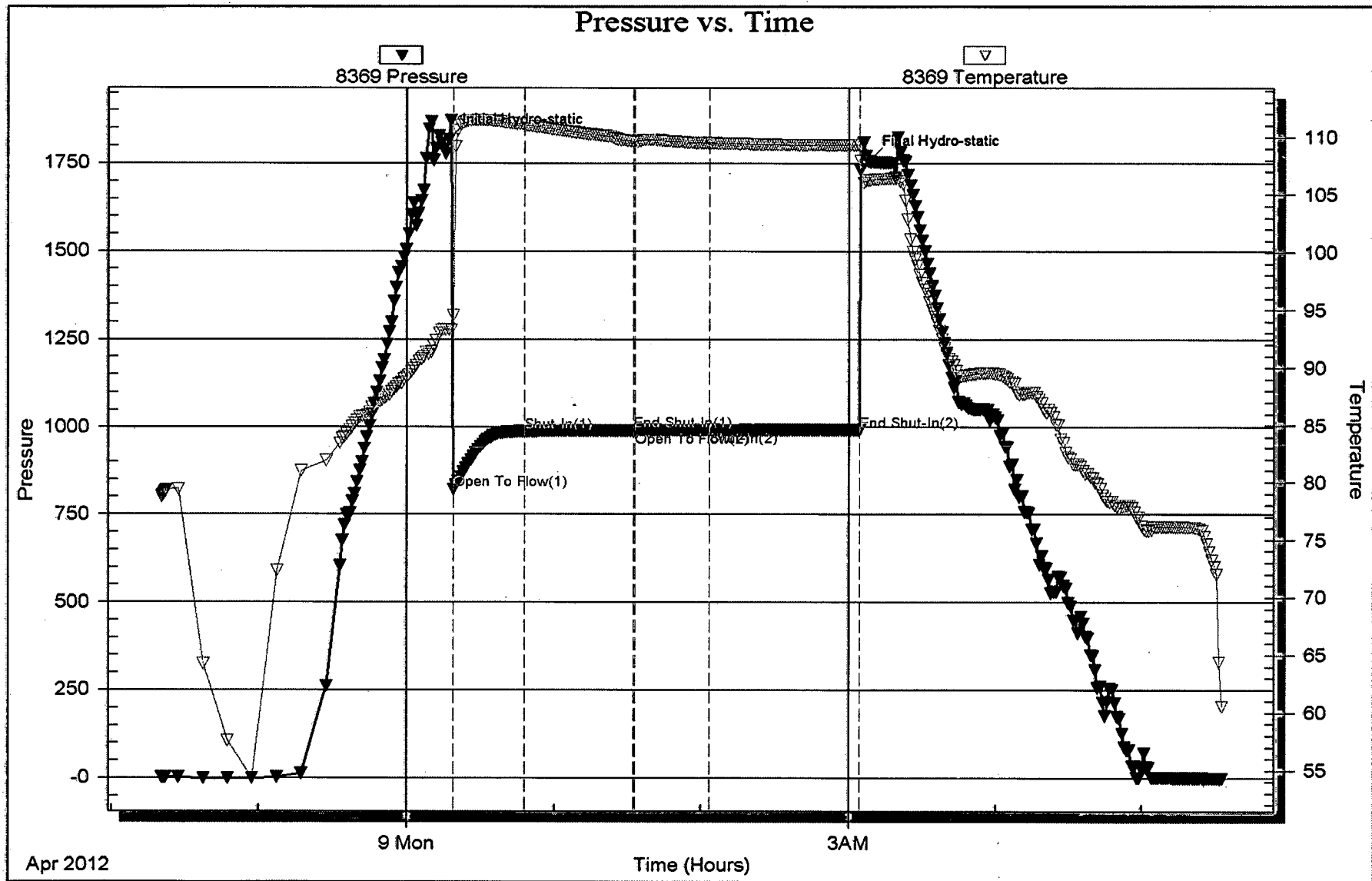
Num Gas Bombs: 0

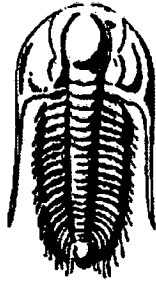
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.28@45





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

1600 Norris RD  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall 'A' #40**

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

Start Date: 2012.04.09 @ 11:30:59

End Date: 2012.04.09 @ 19:38:29

Job Ticket #: 47709                      DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.18 @ 10:42:59

E&B Natural Resources

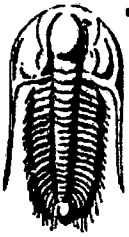
31-11s-17w Ellis,KS

Marshall 'A' #40

DST # 6

Arbuckle

2012.04.09



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

31-11s-17w Ellis, KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47709

DST#: 6

ATTN: Bob O'Dell

Test Start: 2012.04.09 @ 11:30:59

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:21:59

Time Test Ended: 19:38:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3660.00 ft (KB) To 3670.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: 997.78 psig @ 3661.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.09 End Date: 2012.04.09

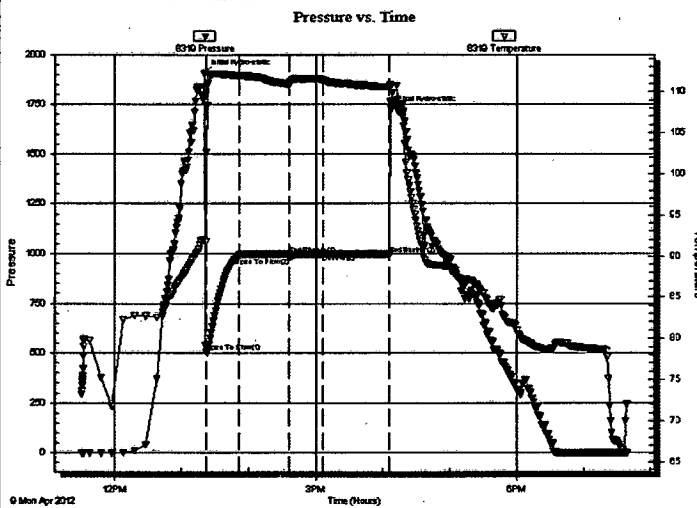
Last Calib.: 2012.04.09

Start Time: 11:31:04 End Time: 19:38:28

Time On Btm: 2012.04.09 @ 13:20:29

Time Off Btm: 2012.04.09 @ 16:07:29

TEST COMMENT: IF-BOB in 1/2 min  
ISI-No blow  
FF-BOB in 8 min died back to 8"  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.66	92.00	Initial Hydro-static
2	504.05	102.53	Open To Flow (1)
31	982.55	111.92	Shut-In(1)
76	997.69	110.91	End Shut-In(1)
76	982.14	110.90	Open To Flow (2)
106	997.78	111.40	Shut-In(2)
166	997.71	110.57	End Shut-In(2)
167	1724.58	110.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
910.00	Water	12.49
220.00	VSOCW 3%O 97%W	3.09
855.00	VSOCW 5%O 95%W	11.99
180.00	SOCW 15%O 85%W	2.52
75.00	SGO 5%g 95%O	1.05

\* 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

31-11s-17w Ellis,KS

1600 Norris RD  
Bakersfield CA 93308

Marshall 'A' #40

Job Ticket: 47709

DST#: 6

ATTN: Bob O'Dell

Test Start: 2012.04.09 @ 11:30:59

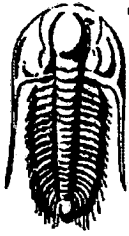
## Tool Information

Drill Pipe:	Length: 3612.00 ft	Diameter: 3.80 inches	Volume: 50.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3660.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3633.00	
Shut In Tool	5.00			3638.00	
Hydraulic tool	5.00			3643.00	
Jars	5.00			3648.00	
Safety Joint	2.00			3650.00	
Packer	5.00			3655.00	28.00 Bottom Of Top Packer
Packer	5.00			3660.00	
Stubb	1.00			3661.00	
Recorder	0.00	8369	Inside	3661.00	
Recorder	0.00	8319	Outside	3661.00	
Perforations	6.00			3667.00	
Bullnose	3.00			3670.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>38.00</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' #40

Job Ticket: 47709

DST#: 6

ATTN: Bob O'Dell

Test Start: 2012.04.09 @ 11:30:59

**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:

49000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
910.00	Water	12.492
220.00	VSOCW 3%O 97%W	3.086
855.00	VSOCW 5%O 95%W	11.993
180.00	SOCW 15%O 85%W	2.525
75.00	SGO 5%g 95%O	1.052

Total Length: 2240.00 ft

Total Volume: 31.148 bbf

Num Fluid Samples: 0

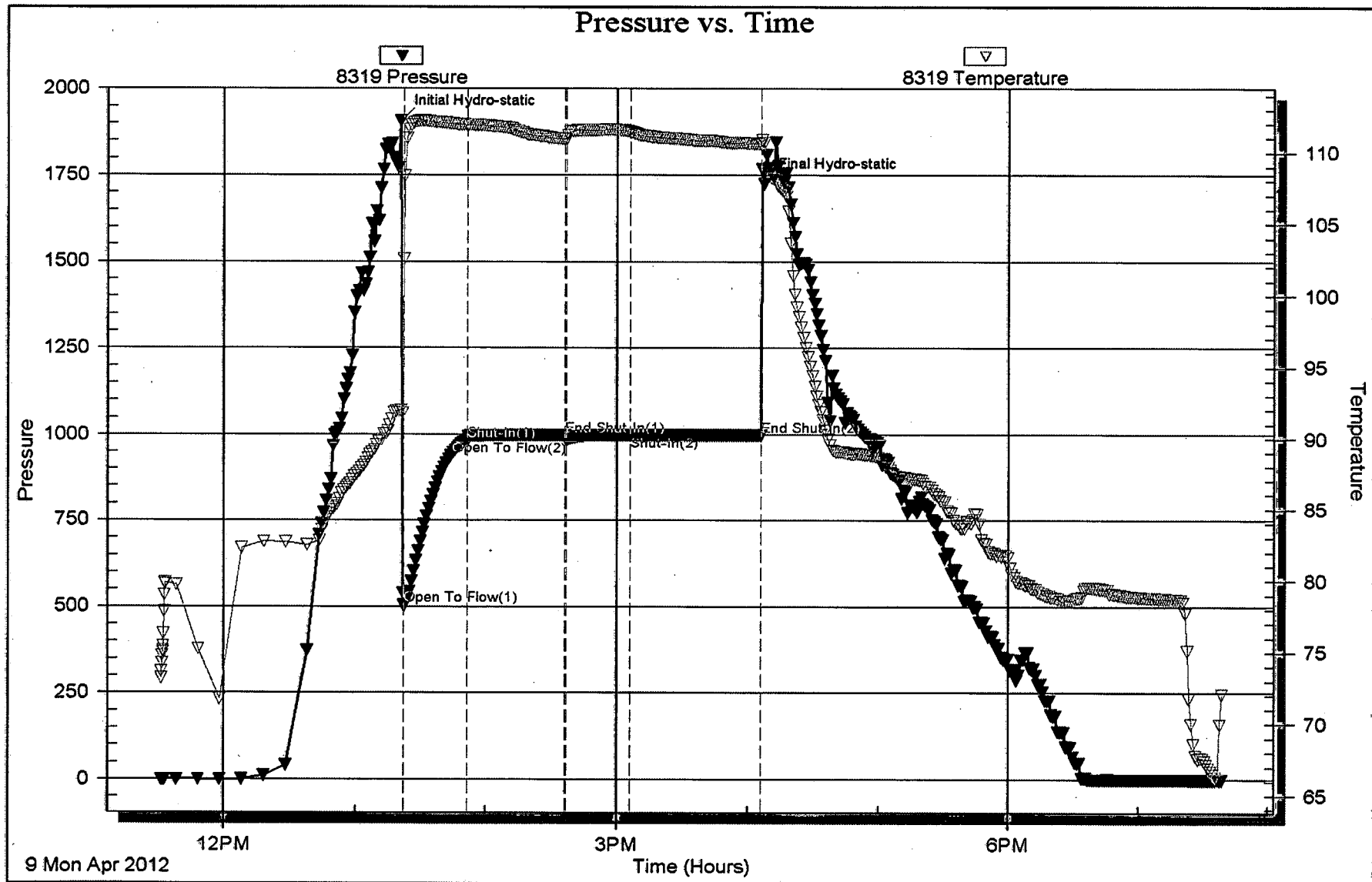
Num Gas Bombs: 0

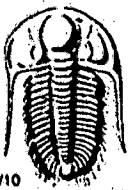
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.17 @65





# TRILOBITE TESTING INC.

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## Test Ticket

NO. 47704

Well Name & No. Marshall 'A' #40 BY: \_\_\_\_\_ Test No. 1 Date 4/16/12  
 Company EdB Natural Resources Elevation 2116 KB 2111 GL \_\_\_\_\_  
 Address 1600 Norris RD Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murfin #16  
 Location: Sec. 31 Twp. 11s Rge. 17w Co. Ellis State KS

Interval Tested 3403 - 3420 Zone Tested KC "E"  
 Anchor Length 17 Drill Pipe Run 3360 Mud Wt. 8.7  
 Top Packer Depth 3398 Drill Collars Run 30 Vis 60  
 Bottom Packer Depth 3403 Wt. Pipe Run \_\_\_\_\_ WL 6.4  
 Total Depth 3420 Chlorides 2,700 ppm System \_\_\_\_\_ LCM \_\_\_\_\_

Blow Description IF - 3 1/2 in blow  
ISI - No blow  
FF - 5 1/2 in blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
Rec	Feet of <u>85 ft GIP</u>	%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 35 BHT 100 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

- (A) Initial Hydrostatic 1,661
- (B) First Initial Flow 20
- (C) First Final Flow 22
- (D) Initial Shut-In 884
- (E) Second Initial Flow 22
- (F) Second Final Flow 28
- (G) Final Shut-In 795
- (H) Final Hydrostatic 1,624

- Test 1125
- Jars 250
- Safety Joint 75'
- Circ Sub \_\_\_\_\_
- Hourly Standby \_\_\_\_\_
- Mileage 18x2 36RT 50.40
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer \_\_\_\_\_
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_
- Sub Total 1500.40

T-On Location 7:25  
 T-Started 8:05  
 T-Open 10:15  
 T-Pulled 13:30  
 T-Out 15:05  
 Comments \_\_\_\_\_  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1500.40  
 MP/DST Disc't \_\_\_\_\_

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

Approved By \_\_\_\_\_ Our Representative Butt Duh  
 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.

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APR 10 2012

## Test Ticket

NO. 47705

Well Name & No. Marshall 'A' #40 Test No. 2 Date 4/6/12  
 Company E & B Natural Resources Elevation 2116 KB 2111 GL  
 Address 1600 ~~Marshall~~ Morris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Martin #16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3434 - 3445 Zone Tested KC'G'  
 Anchor Length 11 Drill Pipe Run \_\_\_\_\_ Mud Wt. 8.7  
 Top Packer Depth 3429 Drill Collars Run 30 Vis 60  
 Bottom Packer Depth 3434 Wt. Pipe Run \_\_\_\_\_ WL 6.4  
 Total Depth 3445 Chlorides 2,700 ppm System LCM \_\_\_\_\_

Blow Description IF - Very weak surface blow  
2SF - No blow  
FF - No blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</u>				
<u>20</u>	<u>VSONCW</u>		<u>1</u>	<u>94</u>	<u>5</u>
____	____				
____	____				
____	____				

Rec Total 30 BHT 99 Gravity \_\_\_\_\_ API RW .33 @ 55 °F Chlorides 27,000 ppm

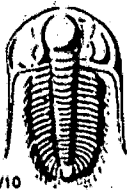
(A) Initial Hydrostatic 1694  
 (B) First Initial Flow 17  
 (C) First Final Flow 22  
 (D) Initial Shut-In 475  
 (E) Second Initial Flow 23  
 (F) Second Final Flow 30  
 (G) Final Shut-In 448  
 (H) Final Hydrostatic 1619

Test 1125'  
 Jars 250  
 Safety Joint 75'  
 Circ Sub \_\_\_\_\_  
 Hourly Standby \_\_\_\_\_  
 Mileage 18x2 50.40  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1500.40

T-On Location 21:15  
 T-Started 21:30  
 T-Open 23:45  
 T-Pulled 2:43  
 T-Out 4:45  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1500.40  
 MP/DST Disc't \_\_\_\_\_

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

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.

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APR 10 2012

## Test Ticket

NO. 47706

Well Name & No. Marshall 'A' #40 BY: Test No. 3 Date 4/7/12  
 Company E & B Natural Resources Elevation 2116 KB 2111 GL  
 Address 1600 Norris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Martin #16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3488 - 3530 Zone Tested KC 17, 3"  
 Anchor Length 42 Drill Pipe Run 3446 Mud Wt. 9.1  
 Top Packer Depth 3483 Drill Collars Run 30 Vis 55  
 Bottom Packer Depth 3488 Wt. Pipe Run — WL 6.8  
 Total Depth 3530 Chlorides 6,900 ppm System LCM —

Blow Description IF - Very weak surface blow died in 9 min  
2SI - No blow  
FF - No blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</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 5 BHT 9.6 Gravity — API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 1,696
- (B) First Initial Flow 20
- (C) First Final Flow 20
- (D) Initial Shut-In 48
- (E) Second Initial Flow 20
- (F) Second Final Flow 21
- (G) Final Shut-In 39
- (H) Final Hydrostatic 1,676

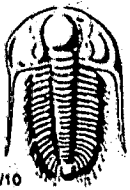
- Test 1125'
- Jars 250
- Safety Joint 75'
- Circ Sub
- Hourly Standby
- Mileage 18x2 50.40
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1500.40

T-On Location 14:10  
 T-Started 14:50  
 T-Open 16:50  
 T-Pulled 18:50  
 T-Out 20:20

Comments —  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1500.40  
 MP/DST Disc't —

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

Approved By —  
 Our Representative Burdick  
 Trilobite Testing Inc. shall not be liable for damaged or 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.



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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 10 2012

## Test Ticket

NO. 47707

Well Name & No. Marshall 'A' #40 Test No. 4 Date 4/8/12  
 Company E & B Natural Resources Elevation 2116 KB 2111 GL  
 Address 1600 Norris Rd Bakersfield CA 93309  
 Co. Rep / Geo. Rob O'Dell Rig Martin #16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3597-3640 Zone Tested Arbuckle  
 Anchor Length 43 Drill Pipe Run 3549 Mud Wt. 9.1  
 Top Packer Depth 3592 Drill Collars Run 30 Vis 55  
 Bottom Packer Depth 3597 Wt. Pipe Run — WL 6.8  
 Total Depth 3640 Chlorides 6,900 ppm System LCM

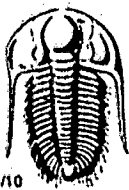
Blow Description EF - 3/4 in blow died back to 1/2 in  
ISI - No blow  
FF - NO blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</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 15 BHT 99 Gravity — API RW — @ — °F Chlorides — ppm  
 (A) Initial Hydrostatic 6,855  Test 1125 T-On Location 9:20  
 (B) First Initial Flow 27  Jars 250 T-Started 9:45  
 (C) First Final Flow 33  Safety Joint 75 T-Open 11:25  
 (D) Initial Shut-In 570  Circ Sub — T-Pulled 14:40  
 (E) Second Initial Flow 184  Hourly Standby — T-Out 16:10  
 (F) Second Final Flow 56  Mileage 18x2 50.40  
 (G) Final Shut-In 167  Sampler —  
 (H) Final Hydrostatic 1,719  Straddle —

Initial Open 30  Ruined Shale Packer —  
 Initial Shut-In 45  Ruined Packer —  
 Final Flow 60  Extra Copies —  
 Final Shut-In 60  Extra Recorder — Sub Total 0  
 Day Standby — Total 1500.40  
 Accessibility — MP/DST Disc't —  
 Sub Total 1500.40

Approved By — Our Representative Brian Dyer  
 TriLOBITE TESTING INC. shall not be liable for damaged or 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

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APR 10 2012

## Test Ticket

NO. 47708

Well Name & No. Marshall 'A' #40 BY: \_\_\_\_\_ Test No. 5 Date 4/8/12  
 Company E & B Natural Resources Elevation 2116 KB 2111 GL  
 Address 1600 Norris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murkin #16  
 Location: Sec. 31 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3641 - 3656 Zone Tested Arbuckle  
 Anchor Length 15 Drill Pipe Run 3612 Mud Wt. 9.2  
 Top Packer Depth 3636 Drill Collars Run 30 Vis \_\_\_\_\_  
 Bottom Packer Depth 3641 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 3656 Chlorides \_\_\_\_\_ ppm System \_\_\_\_\_ LCM \_\_\_\_\_

Blow Description IF - BOB in 1/2 min  
FSD - No blow  
FF - lin blow died back to 1/4 min  
FSD - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>wcm</u>		<u>20</u>	<u>80</u>	
<u>120</u>	<u>wcm</u>		<u>45</u>	<u>55</u>	
<u>500</u>	<u>oil <del>slurry</del> water</u>				
<u>1460</u>	<u>water</u>				
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2170 BHT 109 Gravity \_\_\_\_\_ API RW .28 @ 45 °F Chlorides 40000 ppm

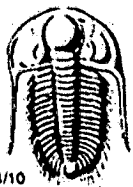
- (A) Initial Hydrostatic 6817
- (B) First Initial Flow 821
- (C) First Final Flow 988
- (D) Initial Shut-In 991
- (E) Second Initial Flow 991
- (F) Second Final Flow 992
- (G) Final Shut-In 992
- (H) Final Hydrostatic 6756

- Test 1125
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 18x2 50.40
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1500.40

- T-On Location 22:00
- T-Started 22:20
- T-Open 1:17
- T-Pulled 3:02
- T-Out 5:30
- Comments \_\_\_\_\_
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1500.40
- MP/DST Disc't \_\_\_\_\_

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

Approved By \_\_\_\_\_ Our Representative Butt Dier  
 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.

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## RECEIVE Test Ticket

APR 10 2012

NO. 47709

Well Name & No. Marshall 'A' #40 BY: \_\_\_\_\_ Test No. 6 Date 4/9/12  
 Company E & B Natural Resources Elevation 2116 KB 2111 GL  
 Address 1600 Morris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Martin #16  
 Location: Sec. 31 Twp. 11s Rge. 17w Co. Ellis State KS

Interval Tested 3660 - 3670 Zone Tested Arbuckle  
 Anchor Length 10 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 3655 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3660 Wt. Pipe Run \_\_\_\_\_ WL 8.4  
 Total Depth 3670 Chlorides 9,200 ppm System LCM \_\_\_\_\_  
 Blow Description IF - BOB in 1/2 min  
ISF - No blow  
FF - BOB in 8 min died back to 8 in  
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>910</u>	<u>water</u>				
<u>220</u>	<u>VSOCW</u>		<u>3</u>	<u>97</u>	
<u>855</u>	<u>VSOCW</u>		<u>5</u>	<u>95</u>	<u>75</u>
<u>180</u>	<u>SOCW</u>		<u>15</u>	<u>85</u>	
<u>75</u>	<u>SO</u>	<u>5</u>	<u>95</u>		

Rec Total 2240 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW 27 @ 65 °F Chlorides 49,000 ppm

(A) Initial Hydrostatic <u>1,906</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>11:10</u>
(B) First Initial Flow <u>504</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:30</u>
(C) First Final Flow <u>983</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>13:20</u>
(D) Initial Shut-In <u>998</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>16:05</u>
(E) Second Initial Flow <u>982</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>19:45</u>
(F) Second Final Flow <u>998</u>	<input checked="" type="checkbox"/> Mileage <u>18x2</u> <u>50.40</u>	Comments _____
(G) Final Shut-In <u>998</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1,725</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1500.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1500.40</u>	

Approved By \_\_\_\_\_ Our Representative Beth Dickinson

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