

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

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 (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 #: \_\_\_\_\_

<u>02-13-2012</u>	<u>02-23-2012</u>	<u>03-01-2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26232-00-01 **00-00**  
Spot Description: \_\_\_\_\_ **18**  
NE SE NE SE Sec. 36 Twp. 11 S. R. 17  East  West  
1,535 Feet from  North /  South Line of Section  
230 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 #: 38  
Field Name: Bemis-Shutts  
Producing Formation: Arbuckle  
Elevation: Ground: 2107 Kelly Bushing: 2112  
Total Depth: 3695 Plug Back Total Depth: 3685  
Amount of Surface Pipe Set and Cemented at: 263 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2064 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: 52,600 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 #: \_\_\_\_\_

**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: Keith Pickett  
Title: Engineer Date: 07-06-2012

**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: Dig Date: 9/18/12

**RECEIVED**  
**JUL 18 2012**  
**KCC WICHITA**

Operator Name: E & B Natural Resources Management Corp. Lease Name: Marshall "A" Well #: 38  
 Sec. 36 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Microresistivity Log, Dual Compensated Porosity Log,                  Dual Induction Log, Gamma Ray/Caliper Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1336</td> <td>+776</td> </tr> <tr> <td>Topeka</td> <td>3054</td> <td>-942</td> </tr> <tr> <td>Heebner</td> <td>3281</td> <td>-1169</td> </tr> <tr> <td>Lansing</td> <td>3328</td> <td>-1216</td> </tr> <tr> <td>BKC</td> <td>3565</td> <td>-1453</td> </tr> <tr> <td>Arbuckle</td> <td>3608</td> <td>-1496</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1336	+776	Topeka	3054	-942	Heebner	3281	-1169	Lansing	3328	-1216	BKC	3565	-1453	Arbuckle	3608	-1496
Name	Top	Datum																				
Anhydrite	1336	+776																				
Topeka	3054	-942																				
Heebner	3281	-1169																				
Lansing	3328	-1216																				
BKC	3565	-1453																				
Arbuckle	3608	-1496																				

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	12.25	8.625	23 Lbs.	263'	A	165	2% Sodium Chloride
Production	7.875	5-1/2	15.5 Lbs.	3695'	A	700	60/40 Poz Mix

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3645' - 3647'		

TUBING RECORD: Size: <u>3-1/2</u> Set At: <u>3653'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>03-12-2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
Estimated Production Per 24 Hours	Oil Bbbs. <u>20</u> Gas Mcf <u>0</u> Water Bbbs. <u>2000</u> Gas-Oil Ratio <u>N/A</u> Gravity <u>31</u>

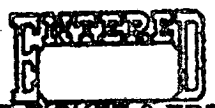
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>3645' - 3647'</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

**RECEIVED**  
**JUL 18 2012**  
**KCC WICHITA**



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33926  
LOCATION OHAY  
FOREMAN Fuzz

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	
3-2-12	2706	Marshall A #38	36	11	18	Ellis	
CUSTOMER G&B Natural Resources		MAY 20 BUCKEYE 3E T-280 N-DE W-NE		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Josh G		
CITY		STATE		566	Bobby S		
ZIP CODE							

JOB TYPE B-side top off HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2 15 1/2  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING Perforated @ 650' OTHER \_\_\_\_\_  
 SLURRY WEIGHT 12.5-15.5 SLURRY VOLL 1.9-1.8 WATER gal/sk 10.8-5.2 CEMENT LEFT in CASING 50'  
 DISPLACEMENT 14.2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on location workover Rig up and est circulation with 8 BBL mix 12 SKS 60/40 89 gal 1 1/4 flo-seal Tail with 50 SKS Com 390cc wash pump & lines Drop plug and displace 13 BBL Displaced 1 more BBL and stored for 1 HR and press to 5000 + shut in.

cement did circulate to pit

Thanks Fuzz

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085 <sup>00</sup>	1085 <sup>00</sup>
5406	45	MILEAGE	5 <sup>00</sup>	225 <sup>00</sup>
5407A	7.8 ton	Tow Mileage Delivery	162	586 <sup>00</sup>
1131	125 SKS	60/40 pos	15 <sup>10</sup>	1897 <sup>50</sup>
11045	50 SKS	com	17 <sup>65</sup>	882 <sup>50</sup>
1118B	860 #	Bentonite	.25	215 <sup>00</sup>
1107	31 #	flo-seal	2 <sup>82</sup>	87 <sup>42</sup>
1102	141 #	Calcium chloride	.89	125 <sup>49</sup>
4406	1	5 1/2 rubber plug	88 <sup>00</sup>	88 <sup>00</sup>
		subtotal		5182 <sup>00</sup>
		less 1090 disc		518 <sup>00</sup>
		subtotal		4663 <sup>80</sup>
		RECEIVED		
		JUL 18 2012	248195	
		KCC WICHITA	248195	
		SALES TAX		186 <sup>33</sup>
		ESTIMATED TOTAL		4850 <sup>00</sup>

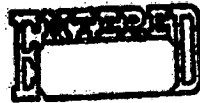
Revin 3737

AUTHORIZATION David Jensen TITLE Production Super DATE 7-2-12

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.



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33858  
LOCATION Dakley  
FOREMAN Kelly Gabe  
Waldinkel

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	
2-21-12	2706	Marshall A #38	36	11	18	Ellis	
CUSTOMER		E & B Natural Res.					
MAILING ADDRESS		Hays N to Buckeye #3 3E to R320					
CITY		STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				399	Demon		
				566	Calvin		
				528	Merle		

JOB TYPE 2-stage HOLE SIZE 7 1/4 HOLE DEPTH 3695 CASING SIZE & WEIGHT 5 1/2 15.5 #  
CASING DEPTH 3692 DRILL PIPE \_\_\_\_\_ TUBING DV on Bottom of #41 OTHER DV @ 2070'  
SLURRY WEIGHT 13#-125 SLURRY VOL 1.42 - 1.89 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 6.25  
DISPLACEMENT 8 3/4 - 49 DISPLACEMENT PSI 200 - 200 MIX PSI \_\_\_\_\_ RATE 5 - 5 1/2 bbl/min

REMARKS: Safety meeting, rigged up on Muffin drilling rig #16. Hooked up & circulated for 1 hr. Pumped mud flush, mixed 310 SKS OWC 1/4 # Flo-seal, displaced with 40 bbl water & 49 bbl mud. #20 #1 ft, plug landed @ 13m # dropped DV Bomb, opened tool @ 11m #, circulated 1/2 hrs. Mixed 30 SKS for Rft + 300 SKS down pipe, displaced with 49 bbl water. Release pressure, float held. Washed out pumps & lines, rigged down skt + location.

APPROX 0 bbl to pit Cement did not circulate. Thank you Kelly & crew  
Cent, 1, 5, 8, 11, 14, 19, 24, 30 Baskets 2, 6, 17, 22, 41, 43

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	2700 <sup>00</sup>	2700 <sup>00</sup>
5406	45 mi	MILEAGE	5 <sup>00</sup>	225 <sup>00</sup>
1126	310 SKS	OWC	22 <sup>50</sup>	6990 <sup>00</sup>
1131	410 SKS	60/40 P02	15 <sup>10</sup>	6191 <sup>00</sup>
116A	1550 #	Kal-seal	.56	868 <sup>00</sup>
118B	282 #	Bentonite	.25	705 <sup>25</sup>
107	180 #	Flo-seal	2 <sup>83</sup>	507 <sup>00</sup>
5407A	33.75	Ton Mileage delivery	1 <sup>07</sup>	2536 <sup>31</sup>
11446	250 gal	Mud flush	1 <sup>00</sup>	250 <sup>00</sup>
4159	1	5 1/2 AFU Floetshare	413 <sup>00</sup>	413 <sup>00</sup>
4130	8	5 1/2 Centralizer	58 <sup>00</sup>	464 <sup>00</sup>
4104	6	5 1/2 basket	276 <sup>00</sup>	1656 <sup>00</sup>
4283	1	5 1/2 DV tool w/ latch down	3850 <sup>00</sup>	3850 <sup>00</sup>
RECEIVED				
JUL 18 2012				
KCC WICHITA				
247979				
				27,356 <sup>40</sup>
				27356 <sup>41</sup>
				24,620 <sup>00</sup>
				1241 <sup>40</sup>
				25862 <sup>45</sup>

Rev'n 5737  
8:00 PM AUTHORIZATION David Jensen TITLE \_\_\_\_\_ DATE 2-21-12

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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 33908  
LOCATION Oakley  
FOREMAN Fuzz

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

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

Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-13-12		Marshall 'A' #38	36	115	18w	Ellis
CUSTOMER E & B Natural Resources			MAY 5 W. Buckner			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			528	Code R		
STATE			463			
ZIP CODE						

JOB TYPE Surf Seal HOLE SIZE 12 1/4 HOLE DEPTH 262' CASING SIZE & WEIGHT 8 5/8  
CASING DEPTH 262' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
DISPLACEMENT 15.4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on morning 16. Pick up and circulate, mix 165 sks class A 30% 2% 2% Displace 15 BBL and shut in. Cement did circulate approx 5 BBLs to pit.

Thanks  
Fuzz & crew

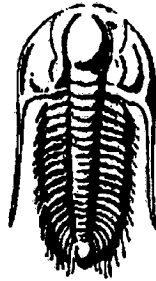
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085 <sup>00</sup>	1085 <sup>00</sup>
5406	30	MILEAGE	5 <sup>00</sup>	150 <sup>00</sup>
5407	7.8 ton	Tow Mileage Delivery (min)	1 <sup>00</sup>	410 <sup>00</sup>
11045	165 sks	CLASS A cement	17 <sup>02</sup>	2912 <sup>25</sup>
1102	465 #	Calcium chloride	1 <sup>89</sup>	413 <sup>85</sup>
1118 B	310 #	Bentonite	1 <sup>25</sup>	77 <sup>50</sup>
		Subtotal		5048 <sup>60</sup>
		less 100% discount		504 <sup>86</sup>
		Subtotal		4543 <sup>24</sup>
<b>RECEIVED</b>				
<b>JUL 18 2012</b>				
		SALES TAX ESTIMATED TOTAL		

Ravin 3737

KCC WICHITA

AUTHORIZATION [Signature] TITLE T.P. 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.



**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 #38**

**36-11s-18w Ellis,KS**

Start Date: 2012.02.17 @ 06:40:26

End Date: 2012.02.17 @ 15:52:56

Job Ticket #: 46868                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

**ORIGINAL**

Printed: 2012.02.21 @ 09:20:00

RECEIVED

JUL 18 2012

KCC WICHITA

E&B Natural Resources  
36-11s-18w Ellis,KS  
Marshall A #38  
DST # 1  
KC "B"  
2012.02.17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

36-11s-18w Ellis,KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46868

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.02.17 @ 06:40:26

## GENERAL INFORMATION:

Formation: **KC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:56

Time Test Ended: 15:52:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3316.00 ft (KB) To 3363.00 ft (KB) (TVD)**

Total Depth: 3363.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2112.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6753** Inside

Press@RunDepth: 113.45 psig @ 3317.00 ft (KB)

Start Date: 2012.02.17

End Date:

2012.02.17

Capacity: 8000.00 psig

Last Calib.:

2012.02.17

Start Time: 06:40:31

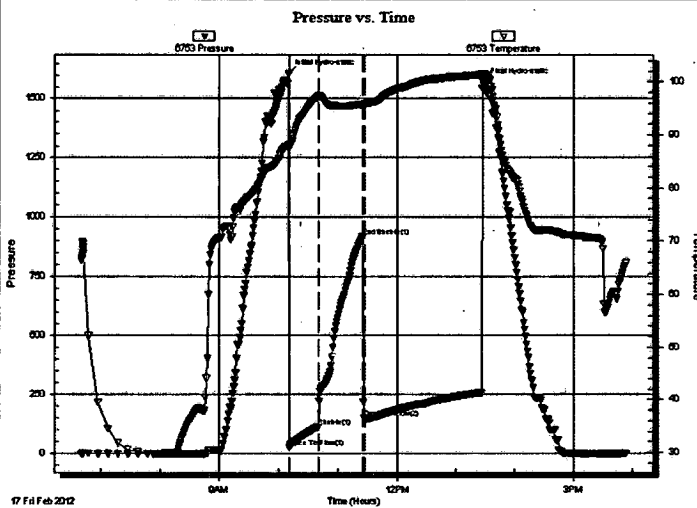
End Time:

15:52:56

Time On Btm: 2012.02.17 @ 10:10:26

Time Off Btm: 2012.02.17 @ 13:27:56

TEST COMMENT: IF-BOB in 10 1/2 min  
IS-1/4" blow  
FF-BOB in 15 1/2 min  
FS-2" blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.52	88.06	Initial Hydro-static
1	26.50	87.70	Open To Flow (1)
30	113.45	97.18	Shut-In(1)
75	917.36	95.71	End Shut-In(1)
77	149.81	95.73	Open To Flow (2)
198	1568.87	100.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
370.00	VSOCW 2%O 98%W	4.92
140.00	SOWCM 10%O 40%W 50%M	1.96
15.00	SGO 5%G 95%O	0.21
0.00	150ft 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

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46868

**DST#: 1**

ATTN: Bob O'Dell

Test Start: 2012.02.17 @ 06:40:26

**Tool Information**

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 50000.00 lb
			<u>Total Volume: 45.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3316.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			3289.00	
Shut In Tool	5.00			3294.00	
Hydraulic tool	5.00			3299.00	
Jars	5.00			3304.00	
Safety Joint	2.00			3306.00	
Packer	5.00			3311.00	28.00 Bottom Of Top Packer
Packer	5.00			3316.00	
Stubb	1.00			3317.00	
Recorder	0.00	6753	Inside	3317.00	
Recorder	0.00	8369	Outside	3317.00	
Perforations	9.00			3326.00	
Change Over Sub	1.00			3327.00	
Drill Pipe	32.00			3359.00	
Change Over Sub	1.00			3360.00	
Bullnose	3.00			3363.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 75.00**

**RECEIVED  
JUL 18 2012  
KCC WICHITA**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

E&B Natural Resources

36-11s-18w Ellis, KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46868

DST#: 1

ATTN: Bob O'Dell

Test Start: 2012.02.17 @ 06:40:26

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 69.00 sec/qt  
Water Loss: 5.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3600.00 ppm  
Filter Cake: inches

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

Oil API: 36 deg API  
Water Salinity: 58000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	VSOCW 2%O 98%W	4.917
140.00	SOWCM 10%O 40%W 50%M	1.964
15.00	SGO 5%G 95%O	0.210
0.00	150ft GIP	0.000

Total Length: 525.00 ft      Total Volume: 7.091 bbl

Num Fluid Samples: 0

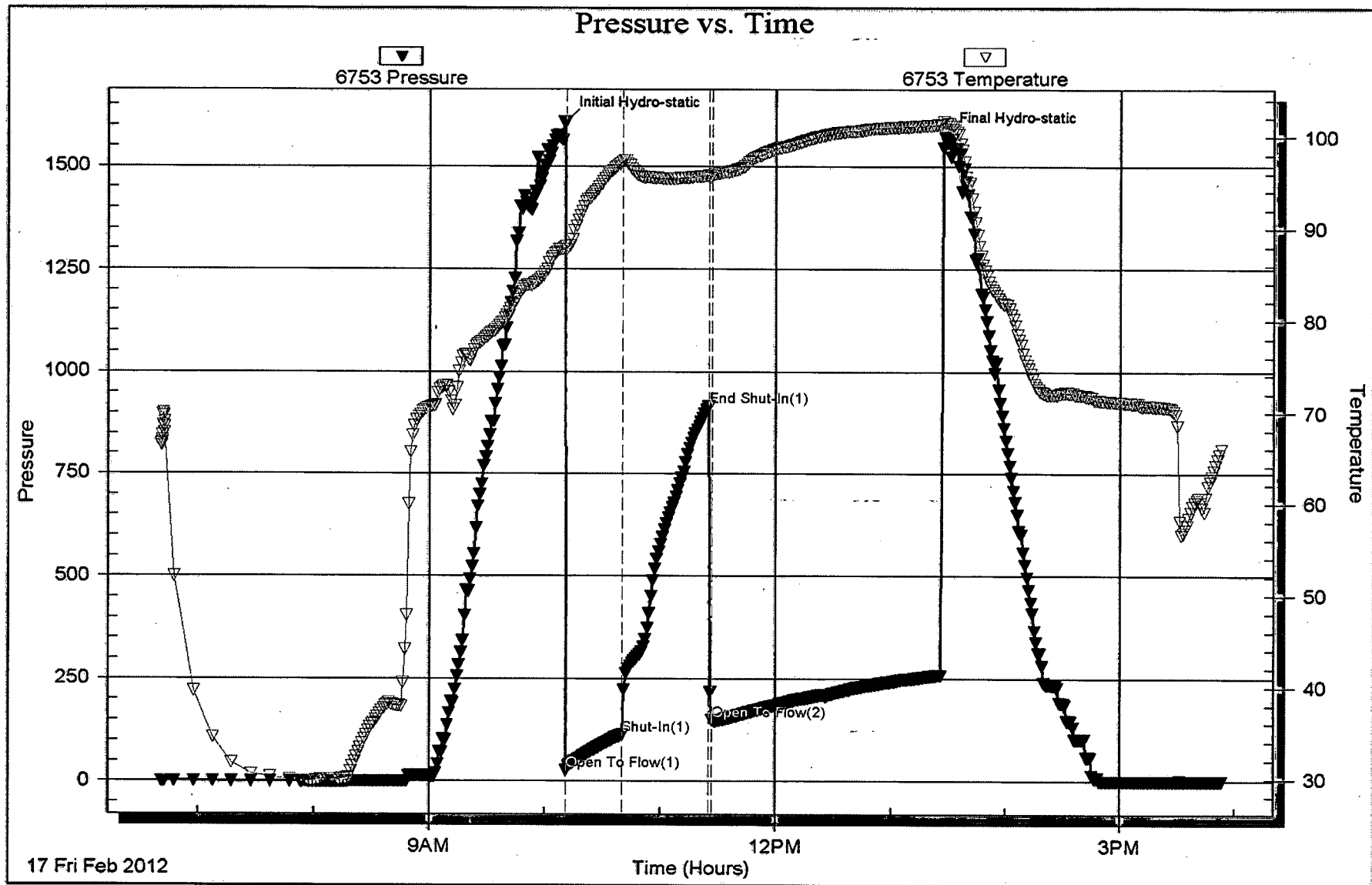
Num Gas Bombs: 0

Serial #:

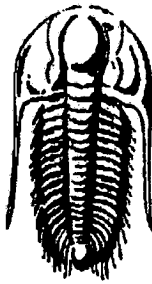
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .17@ 55



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**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 #38**

**36-11s-18w Ellis,KS**

Start Date: 2012.02.18 @ 02:05:19

End Date: 2012.02.18 @ 09:51:19

Job Ticket #: 46869                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.21 @ 09:20:24

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E&B Natural Resources  
36-11s-18w Ellis,KS  
Marshall A #38  
DST # 2  
KC "G"  
2012.02.18



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources

36-11s-18w Ellis, KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46869

DST#: 2

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 02:05:19

## GENERAL INFORMATION:

Formation: KC "G"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:01:19

Time Test Ended: 09:51:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3414.00 ft (KB) To 3430.00 ft (KB) (TVD)

Total Depth: 3430.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2112.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 34.76 psig @ 3415.00 ft (KB)

Start Date: 2012.02.18

End Date:

2012.02.18

Start Time: 02:05:24

End Time:

09:51:18

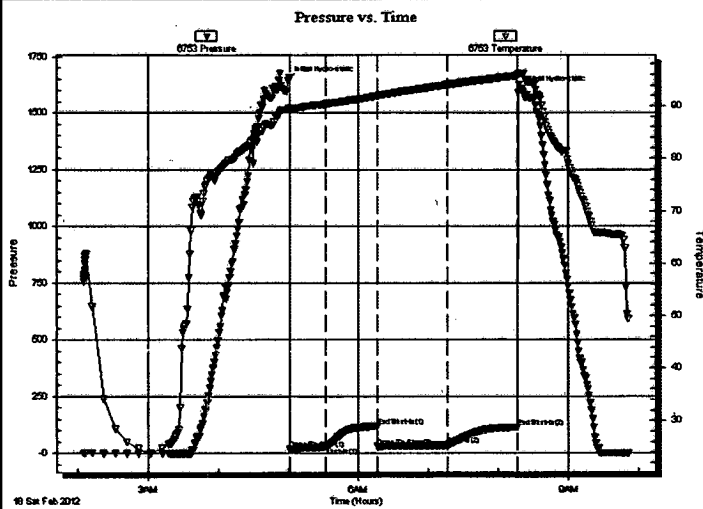
Capacity: 8000.00 psig

Last Calib.: 2012.02.18

Time On Btm: 2012.02.18 @ 04:59:49

Time Off Btm: 2012.02.18 @ 08:19:19

TEST COMMENT: IF- 1/2" blow  
ISI- No blow  
FF- 1/2" blow  
FSI- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.31	89.34	Initial Hydro-static
2	16.93	89.39	Open To Flow (1)
32	26.47	90.40	Shut-In(1)
76	117.43	91.91	End Shut-In(1)
77	28.98	91.94	Open To Flow (2)
136	34.76	94.07	Shut-In(2)
196	114.04	95.75	End Shut-In(2)
200	1603.86	96.24	Final Hydro-static

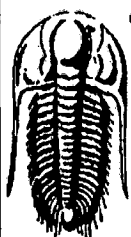
## Recovery

Length (ft)	Description	Volume (bbl)
33.00	MCW 35%W 65%M	0.19
2.00	SMMCO 75%O 20%W 5%M	0.03

\* 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

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46869

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 02:05:19

**Tool Information**

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 42000.00 lb
			<u>Total Volume: 47.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3414.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 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			3387.00	
Shut In Tool	5.00			3392.00	
Hydraulic tool	5.00			3397.00	
Jars	5.00			3402.00	
Safety Joint	2.00			3404.00	
Packer	5.00			3409.00	28.00 Bottom Of Top Packer
Packer	5.00			3414.00	
Stubb	1.00			3415.00	
Recorder	0.00	6753	Inside	3415.00	
Recorder	0.00	8369	Outside	3415.00	
Perforations	12.00			3427.00	
Bullnose	3.00			3430.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 44.00'**

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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

E&B Natural Resources

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46869

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 02:05:19

**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:

62000 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
33.00	MCW 35%W 65%M	0.190
2.00	SMWCO 75%O 20%W 5%M	0.028

Total Length: 35.00 ft

Total Volume: 0.218 bbl

Num Fluid Samples: 0

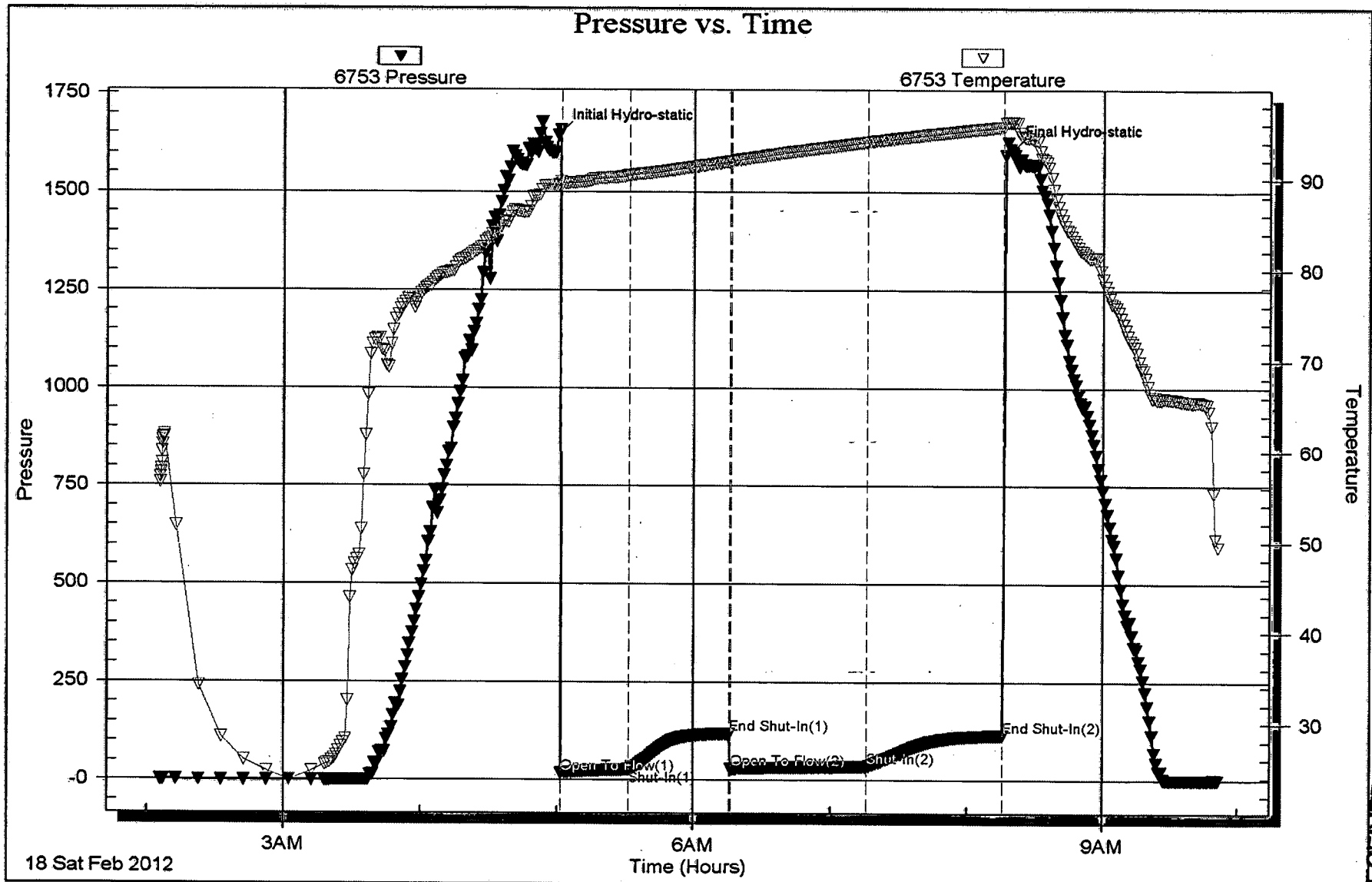
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

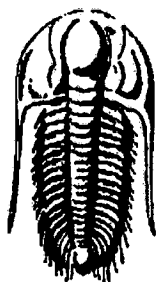
Recovery Comments: RW .27 @ 32



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## DRILL STEM TEST REPORT

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

1600 Norris Rd  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall A #38**

**36-11s-18w Ellis,KS**

Start Date: 2012.02.18 @ 21:45:36

End Date: 2012.02.19 @ 04:52:36

Job Ticket #: 46870                      DST #: 3

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

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36-11s-18w Ellis,KS

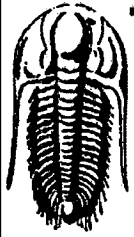
Marshall A #38

DST # 3

KC "I-J"

2012.02.18





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TESTING, INC.**

# DRILL STEM TEST REPORT

E&B Natural Resources

36-11s-18w Ellis, KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46870

DST#: 3

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 21:45:36

## GENERAL INFORMATION:

Formation: **KC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:36

Time Test Ended: 04:52:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3473.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2112.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6753**

Inside

Press@RunDepth: 26.32 psig @ 3474.00 ft (KB)

Start Date: 2012.02.18

End Date: 2012.02.19

Start Time: 21:45:41

End Time: 04:52:35

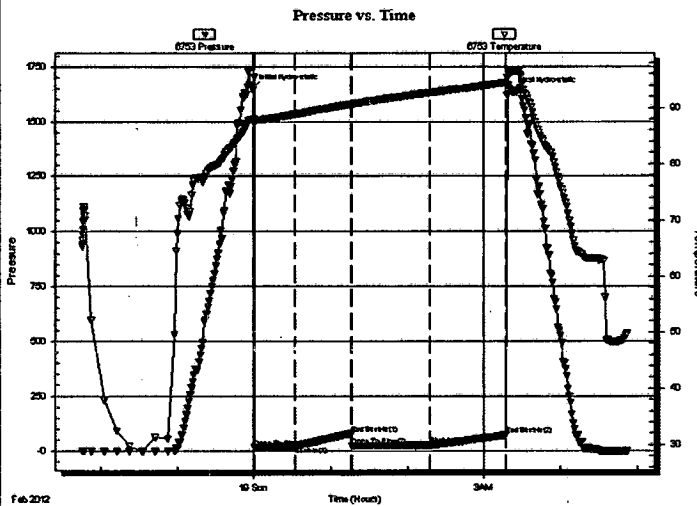
Capacity: 8000.00 psig

Last Calib.: 2012.02.19

Time On Btm: 2012.02.18 @ 23:58:36

Time Off Btm: 2012.02.19 @ 03:21:36

TEST COMMENT: IF-1 1/4" blow  
ISI-No blow  
FF-Weak surface blow  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.21	87.83	Initial Hydro-static
2	17.27	87.24	Open To Flow (1)
34	22.48	88.81	Shut-In(1)
78	79.20	90.62	End Shut-In(1)
78	23.00	90.62	Open To Flow (2)
139	26.32	92.68	Shut-In(2)
199	72.19	94.50	End Shut-In(2)
203	1638.15	96.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spotted mud	0.05

\* Recovery from multiple tests

## Gas Rates

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



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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

E&B Natural Resources

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46870

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 21:45:36

### Tool Information

Drill Pipe:	Length: 3425.00 ft	Diameter: 3.80 inches	Volume: 48.04 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 45000.00 lb
			<u>Total Volume: 48.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3473.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

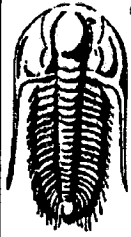
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3446.00	
Shut In Tool	5.00			3451.00	
Hydraulic tool	5.00			3456.00	
Jars	5.00			3461.00	
Safety Joint	2.00			3463.00	
Packer	5.00			3468.00	28.00 Bottom Of Top Packer
Packer	5.00			3473.00	
Stubb	1.00			3474.00	
Recorder	0.00	6753	Inside	3474.00	
Recorder	0.00	8369	Outside	3474.00	
Perforations	24.00			3498.00	
Change Over Sub	1.00			3499.00	
Drill Pipe	32.00			3531.00	
Change Over Sub	1.00			3532.00	
Bullnose	3.00			3535.00	62.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**

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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

E&B Natural Resources

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46870

**DST#: 3**

ATTN: Bob O'Dell

Test Start: 2012.02.18 @ 21:45:36

**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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil spotted mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

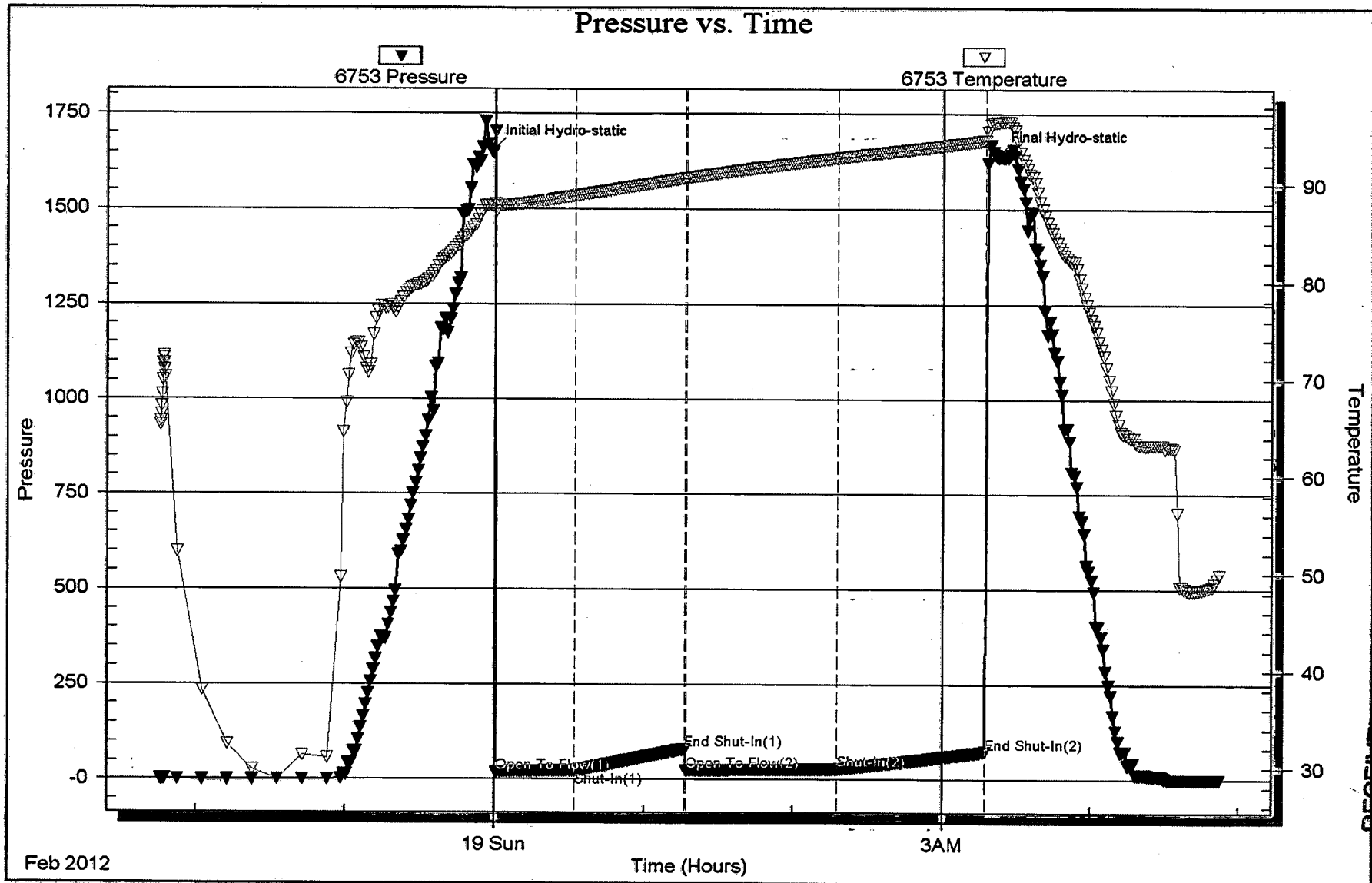
Num Gas Bombs: 0

Serial #:

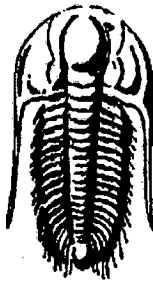
Laboratory Name:

Laboratory Location:

Recovery Comments:



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## DRILL STEM TEST REPORT

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

1600 Norris Rd  
Bakersfield CA 93308

ATTN: Bob O'Dell

**Marshall A #38**

**36-11s-18w Ellis,KS**

Start Date: 2012.02.19 @ 15:40:56

End Date: 2012.02.19 @ 22:21:56

Job Ticket #: 46871                      DST #: 4

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PO Box 362 Hays, KS 67601

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

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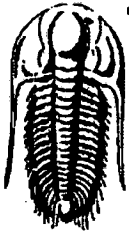
36-11s-18w Ellis,KS

Marshall A #38

DST # 4

Arbuckle

2012.02.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

E&B Natural Resources

36-11s-18w Ellis,KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46871

DST#: 4

ATTN: Bob O'Dell

Test Start: 2012.02.19 @ 15:40:56

## GENERAL INFORMATION:

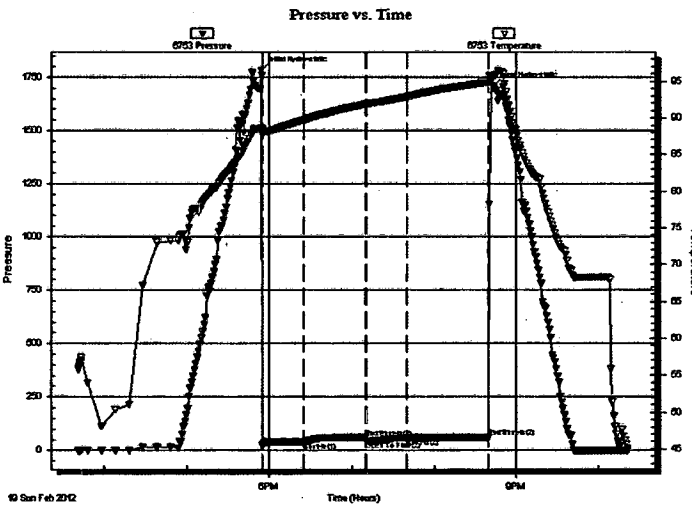
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:54:56  
 Time Test Ended: 22:21:56  
 Interval: **3576.00 ft (KB) To 3620.00 ft (KB) (TVD)**  
 Total Depth: **3620.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2112.00 ft (KB)  
 2107.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6753

Inside

Press@RunDepth: 58.46 psig @ 3577.00 ft (KB)  
 Start Date: 2012.02.19 End Date: 2012.02.19  
 Start Time: 15:41:01 End Time: 22:21:55  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.02.19  
 Time On Btm: 2012.02.19 @ 17:53:56  
 Time Off Btm: 2012.02.19 @ 20:42:56

TEST COMMENT: IF-4" blow  
 IS-No blow  
 FF-Weak surface blow died in 5 min  
 FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.75	88.59	Initial Hydro-static
1	22.89	87.70	Open To Flow (1)
31	39.45	89.73	Shut-In(1)
76	58.89	91.82	End Shut-In(1)
77	42.57	91.85	Open To Flow (2)
106	58.46	92.88	Shut-In(2)
166	60.01	94.88	End Shut-In(2)
169	1706.40	95.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	oil spotted w cm 15%W 85%M	0.36

\* 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

**36-11s-18w Ellis,KS**

1600 Norris Rd  
Bakersfield CA 93308

**Marshall A #38**

Job Ticket: 46871

**DST#: 4**

ATTN: Bob O'Dell

Test Start: 2012.02.19 @ 15:40:56

## Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter: 3.80 inches	Volume: 49.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 45000.00 lb
			<u>Total Volume: 49.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3576.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

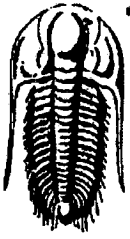
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3549.00	
Shut In Tool	5.00			3554.00	
Hydraulic tool	5.00			3559.00	
Jars	5.00			3564.00	
Safety Joint	2.00			3566.00	
Packer	5.00			3571.00	28.00 Bottom Of Top Packer
Packer	5.00			3576.00	
Stubb	1.00			3577.00	
Recorder	0.00	6753	Inside	3577.00	
Recorder	0.00	8369	Outside	3577.00	
Perforations	6.00			3583.00	
Change Over Sub	1.00			3584.00	
Drill Pipe	32.00			3616.00	
Change Over Sub	1.00			3617.00	
Bullnose	3.00			3620.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**

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## DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources

36-11s-18w Ellis,KS

1600 Norris Rd  
Bakersfield CA 93308

Marshall A #38

Job Ticket: 46871

DST#: 4

ATTN: Bob O'Dell

Test Start: 2012.02.19 @ 15:40:56

### 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:

28000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
45.00	oil spotted w cm 15%W 85%M	0.358

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

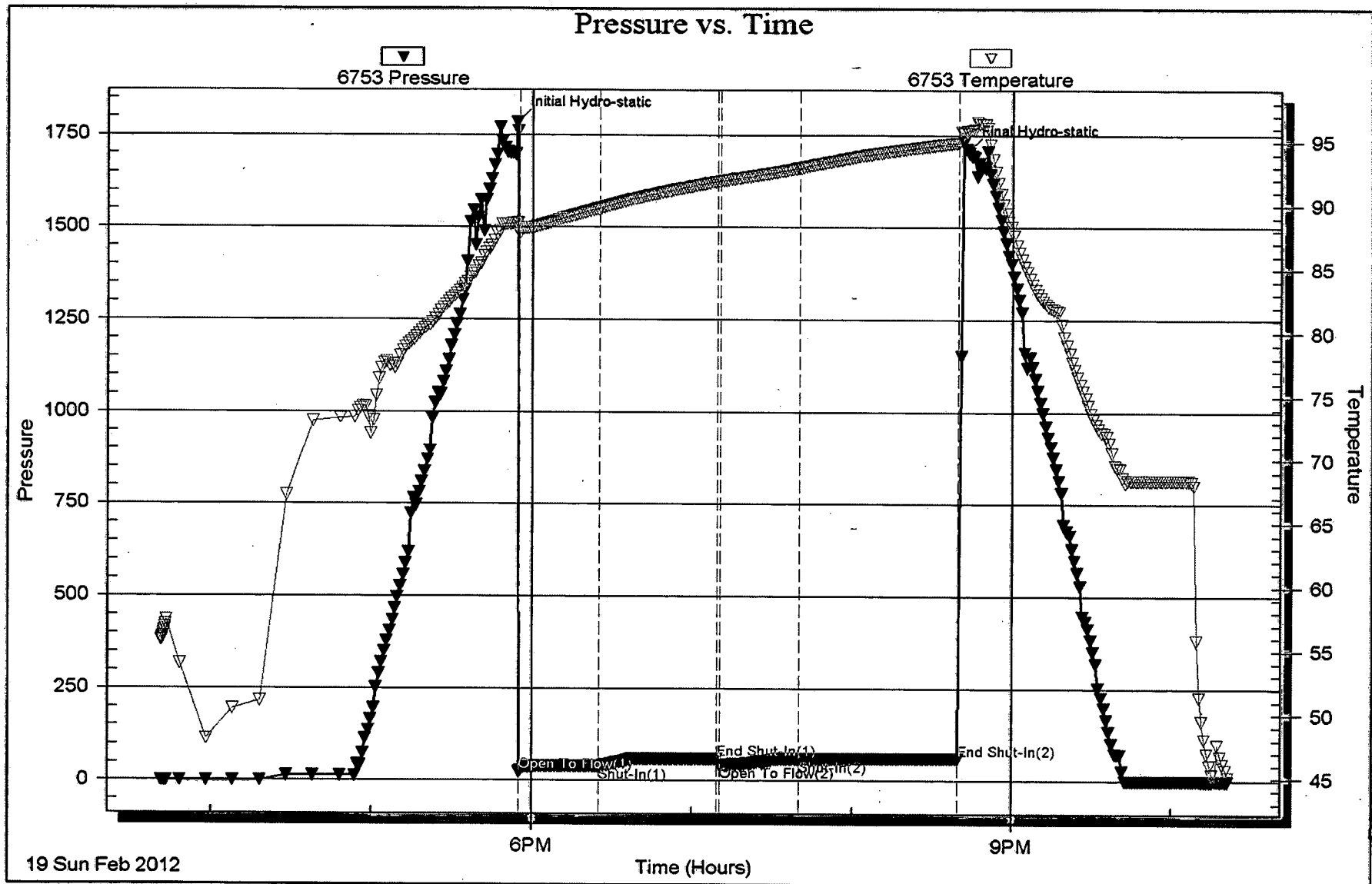
Serial #:

Laboratory Name:

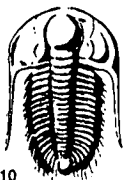
Laboratory Location:

Recovery Comments: RW .38@45





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# TRILOBITE TESTING INC.

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## Test Ticket

NO. 46868

Well Name & No. Marshall 'A' #38 Test No. 1 Date 2/17/12  
 Company E & B Natural Resources Elevation 2112 KB 2107 GL  
 Address 1600 Norris Rd Bactersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murfin #16  
 Location: Sec. 36 Twp. 11s Rge. 18w Co. Ellis State KS

Interval Tested 3316-3363 Zone Tested KC" B"  
 Anchor Length 47 Drill Pipe Run \_\_\_\_\_ Mud Wt. 8.7  
 Top Packer Depth 3311 Drill Collars Run 30 Vis 69  
 Bottom Packer Depth 3316 Wt. Pipe Run \_\_\_\_\_ WL 6.0  
 Total Depth 3363 Chlorides 3,600 ppm System LCM \_\_\_\_\_

Blow Description IF-BOB in 10 1/2 min  
ISI - 1/4 in blow  
FF-BOB in 15 1/2 min  
FST - 2 in blow

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JUL 18 2012

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>560</u>	<u>5</u>	<u>95</u>		
<u>140</u>	<u>50 WCM</u>		<u>10</u>	<u>40</u>	<u>50</u>
<u>370</u>	<u>50 CW</u>		<u>2</u>	<u>98</u>	
____	<u>150 FT BIP</u>				
____	____				

KCC WICHITA

Rec Total 525 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW .17 @ 55° F Chlorides 58,000 ppm

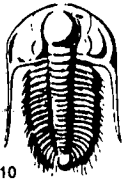
(A) Initial Hydrostatic 4,606  
 (B) First Initial Flow 27  
 (C) First Final Flow 113  
 (D) Initial Shut-In 917  
 (E) Second Initial Flow 150  
 (F) Second Final Flow \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  
 (H) Final Hydrostatic 4,569  
 Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 60

Test 1125  
 Jars 250  
 Safety Joint 75  
 Circ Sub \_\_\_\_\_  
 Hourly Standby 24hr 75  
 Mileage 18 x 2 30 RT 50  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1575.40

T-On Location 6:10  
 T-Started 6:40  
 T-Open 10:12  
 T-Pulled 13:27  
 T-Out 16:00  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1575.40  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Bob O'Dell

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

RECEIVED  
NO. FEB 20 2012

46869

Well Name & No. Marshall 'A' #38 BY: 2 Date 2/18/12  
 Company Ed B Natural Resources Elevation 2112 KB 2107 GL  
 Address 1600 Norris Rd Backersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murkin #16  
 Location: Sec. 36 Twp. 11s Rge. 18w Co. Ellis State KS

Interval Tested 3414 - 3430 Zone Tested KC' 6"  
 Anchor Length 16 Drill Pipe Run 3364 Mud Wt. 8.8  
 Top Packer Depth 3409 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3414 Wt. Pipe Run — WL 6.4  
 Total Depth 3430 Chlorides 5,200 ppm System LCM  
 Blow Description 2F - 1 1/2 in blow  
FSZ - No blow  
FF -  
FSZ -

RECEIVED  
JUL 18 2012

### KCC WICHITA

Rec	Feet of	%gas	%oil	%water	%mud
<u>33</u>	<u>MCW</u>		<u>35</u>	<u>65</u>	
<u>2</u>	<u>SMWCO</u>	<u>75</u>	<u>20</u>	<u>5</u>	

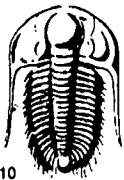
Rec Total 35 BHT Gravity API RW .27 @ 32 ° F Chlorides 62,000 ppm

(A) Initial Hydrostatic 1,643  Test 1125' T-On Location 1:43  
 (B) First Initial Flow 17  Jars 250' T-Started 2:05  
 (C) First Final Flow 26  Safety Joint 75' T-Open 5:00  
 (D) Initial Shut-In 117  Circ Sub T-Pulled 8:15  
 (E) Second Initial Flow 29  Hourly Standby T-Out 9:50  
 (F) Second Final Flow 35  Mileage 18 & 2 50.40 Comments  
 (G) Final Shut-In 114  Sampler  Ruined Shale Packer  
 (H) Final Hydrostatic 1,604  Straddle  Ruined Packer  
 Shale Packer  Extra Copies  
 Extra Packer  Extra Recorder Sub Total 0  
 Extra Recorder  Day Standby Total 1500.40  
 Accessibility MP/DST Disc't  
 Sub Total 1500.40

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

Approved By \_\_\_\_\_ Our Representative Ben Dine

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RECEIVED  
FEB 20 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 46870

Well Name & No. Marshall 'A' #38 Test No. 3 Date 2/18/12  
 Company E & B Natural Resources Elevation 2112 KB 2107 GL  
 Address 1600 Norris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Martin #16  
 Location: Sec. 36 Twp. 11s Rge. 18w Co. Ellis State KS

Interval Tested 3473 - 3535 Zone Tested KC<sup>1</sup> I - K<sup>1</sup>  
 Anchor Length 62 Drill Pipe Run 3425 Mud Wt. 8.8  
 Top Packer Depth 3468 Drill Collars Run 30 Vis 5.6  
 Bottom Packer Depth 3423 Wt. Pipe Run — WL 6.4  
 Total Depth 3535 Chlorides 5,200 ppm System LCM \_\_\_\_\_

Blow Description IF - 1/4 in blow  
ISF - No blow  
FF - weak surface blow  
FSI - No blow

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JUL 18 2012

KCC WICHITA

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil spotted 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 10 BHT 95 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,650  Test 1125 T-On Location 21:20  
 (B) First Initial Flow 17  Jars 250 T-Started 21:43  
 (C) First Final Flow 22  Safety Joint 75 T-Open 23:55  
 (D) Initial Shut-In 79  Circ Sub \_\_\_\_\_ T-Pulled 3:10  
 (E) Second Initial Flow 23  Hourly Standby \_\_\_\_\_ T-Out 4:50  
 (F) Second Final Flow 26  Mileage 18x2 50.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 72  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,638  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_

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

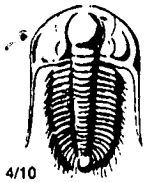
Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1500.40

Total 1500.40  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Butt Dulin

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## RECEIVED Test Ticket

FEB 20 2012

NO. 46871

BY: \_\_\_\_\_

Well Name & No. Marshall 'A' #38 Test No. 4 Date 2/19/12  
 Company F&B Natural Resources Elevation 2112 KB 2107 GL  
 Address 1600 Norris Rd Bakersfield CA 93308  
 Co. Rep / Geo. Bob O'Dell Rig Murfin #16  
 Location: Sec. 36 Twp. 11S Rge. 18W Co. Ellis State KS

Interval Tested 3576-3620 Zone Tested Arbuckle  
 Anchor Length 44 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3571 Drill Collars Run 30 Vis 44  
 Bottom Packer Depth 3576 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 3620 Chlorides 6,000 ppm System LCM \_\_\_\_\_

Blow Description IF - 4 in blow  
ISI - No blow  
FF - weak surface blow died in 5 min  
FSI - No blow

RECEIVED

JUL 18 2012

KCC WICHITA

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Feet of oil spotted wcm</u>			<u>15</u>	<u>85</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 45 BHT 95 Gravity \_\_\_\_\_ API RW 38 @ 45 °F Chlorides 29,000 ppm

(A) Initial Hydrostatic 1783  Test 1125 T-On Location 15:25  
 (B) First Initial Flow 23  Jars 250 T-Started 15:40  
 (C) First Final Flow 39  Safety Joint 75' T-Open 17:50  
 (D) Initial Shut-In 59  Circ Sub \_\_\_\_\_ T-Pulled 20:35  
 (E) Second Initial Flow 42  Hourly Standby \_\_\_\_\_ T-Out 22:20  
 (F) Second Final Flow 58  Mileage 18x2 50.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 60  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1786  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  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1500.40  
 Sub Total \_\_\_\_\_  
 Total 1500.40  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Bob O'Dell

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