



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1063913

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	FIML Natural Resources, LLC
Well Name	Wiechman 4D-30-1831
Doc ID	1063913

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
		DV tool cemented w/ 405 sxs Lightweight	3012
		Cmtd mouse & rat hole w/ 50 sxs Lightweight	
4	3950-53'	Acidized w/ 500 gal 15% MCA & 1000 gal 15% N-E	3950-53'
4	4106-09'	Acidize w/ 500 gal 15% MCA. Squeezed w/ 25 sxs common	4106-09'
4	4106-09' (reperf)	Acidize w/ 750 gal 15% N-E	4106-09'
4	4342-44'	Acidize w/ 250 gal 15% MCA	4342-44'



PO BOX 31 Russell, KS 67665



INVOICE

Invoice Number: 127768

Invoice Date: Jul 1, 2011

Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill To:
 FIML Natural Resources LLC
 410 17th St., Suite 900
 Denver, CO 80202

Federal Tax I.D.#: 20-5975804

D11098
Wiechman 40-30-1831

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Weichman #30-1831	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Liberal	Jul 1, 2011	7/31/11

Quantity	Item	Description	Unit Price	Amount
240.00	MAT	Class A Common	16.25	3,900.00
5.00	MAT	Gel	21.25	106.25
9.00	MAT	Chloride	58.20	523.80
60.00	MAT	Flo Seal	2.70	162.00
254.00	SER	Handling	2.25	571.50
55.00	SER	Mileage	27.94	1,536.70
1.00	SER	Surface	1,125.00	1,125.00
74.00	SER	Extra Footage	0.95	70.30
110.00	SER	Heavy Vehicle Mileage	7.00	770.00
1.00	SER	Manifold Head Rental	200.00	200.00
110.00	SER	Light Vehicle Mileage	4.00	440.00
1.00	EQP	8 5/8 Wooden Plug	45.00	45.00
1.00	EQP	8 5/8 Baffle Plate	175.00	175.00
3.00	EQP	8 5/8 Centralizers	67.00	201.00
1.00	CEMENTER	Bob Ryan		
1.00	EQUIP OPER	Cesar Pavia		
1.00	OPER ASSIST	Ruben Chaves		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1965.31

ONLY IF PAID ON OR BEFORE Jul 26, 2011

Subtotal	9,826.55
Sales Tax	373.25
Total Invoice Amount	10,199.80
Payment/Credit Applied	
TOTAL	10,199.80

FIML Employee Gary Dolce

8100-145
Adrian D. Bl

1750

ALLIED CEMENTING CO., LLC. 036665

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
LIBRACKS

DATE <u>7-1-11</u>	SEC <u>30</u>	TWP <u>18</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Wichman</u>	WELL # <u>30 K31</u>	LOCATION <u>Scott city 6E</u>			COUNTY <u>SCOTT</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)		<u>15 Feet</u>					

CONTRACTOR H-2 Dalg

TYPE OF JOB 8 1/2" SURFACE

HOLE SIZE 12 1/4" T.D.

CASING SIZE 8 5/8" DEPTH 373.82

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 500 MINIMUM 8

MEAS. LINE SHOE JOINT 38.82

CEMENT LEFT IN CSG. 38.82

PERFS.

DISPLACEMENT 21.5

EQUIPMENT

OWNER Same

CEMENT AMOUNT ORDERED 240 A 3% CC

28 GEL

PUMP TRUCK CEMENTER BOB

372 HELPER CRASAN

BULK TRUCK DRIVER RUBEN

457/257

BULK TRUCK DRIVER

COMMON 240 A @ 16.25 3900.00

POZMIX @

GEL 55/K @ 2.125 106.25

CHLORIDE CC 95K @ 58 523.80

ASC @

FLOSEAL 60LB @ 2.70 162.00

HANDLING 254 @ 2.25 571.50

MILEAGE 58 mi @ 11 638.70

TOTAL 10800.25

REMARKS:

THANK YOU

CIRC CT TO SURFACE

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 0-300' 1125

EXTRA FOOTAGE 71' @ 95 70.30

MILEAGE 110 @ 7.00 770.00

MANIFOLD + Head @ 200.00

CT UEA mi 110 @ 4.00 440.00

TOTAL 2605.30

CHARGE TO: FIRM

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1- wood Plug @ 450

1- Baffle Plate @ 175

3- Cement Bags @ 67 201

TOTAL 421.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Gary Dofe

SIGNATURE Gary Dofe

SALES TAX (If Any)

TOTAL CHARGES 9826.55

DISCOUNT 1473.98 IF PAID IN 30 DAYS

8352.57



CEMENTING CO, LLC
Cementing & Acidizing Services

PO BOX 31 Russell, KS 67665



INVOICE

Invoice Number: 127851

Invoice Date: Jul 10, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Federal Tax I.D.#: 20-5975804

Bill To:
FIML Natural Resources LLC
410 17th St, Suite 900
Denver, CO 80202

Wiechman 4D-30-1831

Customer ID	Well Name# or Customer P.O.	Payment Terms
FIML	Wiechman #40-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 10, 2011
		Due Date
		8/9/11

Quantity	Item	Description	Unit Price	Amount
455.00	MAT	Lightweight Class A	14.50	6,597.50
2,275.00	MAT	Gilsonite	0.89	2,024.75
113.00	MAT	Flo Seal	2.70	305.10
535.00	SER	Handling for Top Stage Production	2.25	1,203.75
55.00	SER	Mileage 535 sx @ .11 per sk per mi	58.85	3,236.75
1.00	CEMENTER	Larene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Earl Rebarchek		
1.00	OPER ASSIST	Ethan Glassman		

1211098

8210.118
John O. Bl

Subtotal	13,367.85
Sales Tax	651.70
Total Invoice Amount	14,019.55
Payment/Credit Applied	
TOTAL	14,019.55

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ *2673.57*

ONLY IF PAID ON OR BEFORE
Aug 4, 2011

Gary Dole (FIML)

113/5.98

ALLIED CEMENTING CO., LLC. 040912

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Barkeley, KS

7-10-11	SEC 36	TWP 18	RANGE 31	CALLER OUT	ON LOCATION	JOB START	JOB FINISH
DATE						7:30am	5:30pm
W/RECHMAN	410-80-1831					38844	STAYERS
LEASE	WELL #						
OLD OR NEW	(Circle one)						
CONTRACTOR <i>H3 Rig #1</i>				OWNER <i>Same</i>			
TYPE OF JOB <i>Production (top stage)</i>				CEMENT			
HOLE SIZE <i>7 7/8</i>				AMOUNT ORDERED <i>455 stb Lite # Gilsonite</i>			
CASING SIZE <i>5 1/2</i>				<i>14 # flo-seal</i>			
TUBING SIZE							
DRILL PIPE							
TOOL <i>D D</i>							
PRES. MAX							
MEAS. LINE							
CEMENT LEFT IN CSG. <i>21, 89</i>							
PERFS.							
DISPLACEMENT							
EQUIPMENT							

PUMP TRUCK	CEMENTER	<i>Karen</i>
# <i>438</i>	HELPER	<i>Barren</i>
BULK TRUCK		
# <i>394/281</i>	DRIVER	<i>Earl-Ethan</i>
BULK TRUCK		
#	DRIVER	

REMARKS:

Plug mousehole 70stb
Plug resthole - 30 stb
PLG 485 stb down casing
Backlash up pump X lines
Displace with water
Plug landed 1500 ft. float held.
Redant did circulate

T van Kespoek

CHARGE TO:
 STREET _____
 CITY _____ STATE _____ ZIP _____

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<i>Lite</i>	@	<i>1450 2592.50</i>
<i>gibsonite</i>	@	<i>.89 2024.75</i>
<i>flo-seal</i>	@	<i>2.78 305.18</i>
HANDLING	@	<i>5.35 stb 1283.75</i>
MILEAGE	@	<i>114.56/mile 3236.95</i>
TOTAL		<i>13327.85</i>

SERVICE

DEPTH OF JOB	<i>3211.97</i>	
PUMP TRUCK CHARGE		<i>UC</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>557.2</i>	<i>UC</i>
MANFOLD	@	
<i>Rigup service</i>	@	<i>UC</i>
TOTAL		

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Greg Duke*

SIGNATURE *Greg Duke*

SALES TAX (if Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



CEMENTING CO, LLC
Generating & Acidizing Services

PO BOX 31 Russell, KS 67665



INVOICE

Invoice Number: 127850

Invoice Date: Jul 10, 2011

Page: 1

Voice: (785) 483-3887
Fax: (785) 483-5566

Federal Tax I.D.#: 20-5975804

Bill To:
FIML Natural Resources LLC
410 17th St, Suite 900
Denver, CO 80202

Wiechman 4D-30-1831

Customer ID	Well Name/# or Customer P.O.	Payment Terms
FIML	Wiechman #40-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 10, 2011
		Due Date
		8/9/11

Quantity	Item	Description	Unit Price	Amount
5.00	MAT	Gel	21.25	106.25
275.00	MAT	ASC Class A	19.00	5,225.00
1,375.00	MAT	Gilsonite	0.89	1,223.75
26.00	MAT	Salt	23.95	622.70
69.00	MAT	Flo Seal	2.70	186.30
500.00	MAT	WFR-2	1.27	635.00
336.00	SER	Handling	2.25	756.00
55.00	SER	Mileage 336 sx @.11 per sk per mi	36.96	2,032.80
1.00	SER	Production casing - Bottom Stage	2,405.00	2,405.00
110.00	SER	Pump Truck Mileage	7.00	770.00
1.00	SER	Manifold Head Rental	200.00	200.00
110.00	SER	Light Vehicle Mileage	4.00	440.00
1.00	EQP	5.5 Sure Seal Float Shoe	520.00	520.00
1.00	EQP	5.5 Sure Seal Float Collar	620.00	620.00
25.00	EQP	5.5 Centralizer	49.00	1,225.00
2.00	EQP	5.5 Basket	337.00	674.00
1.00	EQP	5.5 Stop Ring	42.00	42.00
1.00	EQP	5.5 D V Tool	3,721.00	3,721.00
1.00	CEMENTER	Larene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Earl Rebarchek		

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1.12% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$

ONLY IF PAID ON OR BEFORE
Aug 4, 2011

Gary Duke (FIML)



CEMENTING CO., LLC
Generating & Acidizing Services

PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 127850

Invoice Date: Jul 10, 2011

Page: 2

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

FIML Natural Resources LLC
410 17th St., Suite 900
Denver, CO 80202

Federal Tax I.D.#: 20-5975604

Customer ID	Well Name/# or Customer P.O.	Payment Terms
FIML	Wiechman #40-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 10, 2011
		Due Date
		8/9/11

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Ethan Glassman		
		<p>8280-118</p> <p><i>Ethan G. B.</i></p> <p>460110</p>		

Subtotal	21,404.80
Sales Tax	1,080.47
Total Invoice Amount	22,485.27
Payment/Credit Applied	
TOTAL	22,485.27

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ **4280.96**

ONLY IF PAID ON OR BEFORE

Aug 4, 2011

18204.31

ALLIED CEMENTING CO., LLC. 040911

Federal Tax I.D. # 20-5975804

SERVICE POINT: Dickinson, KS

REMIT TO PO BOX 31
RUSSELL, KANSAS 67665

DATE <u>7-20-11</u>	SEC. <u>38</u> TWP. <u>18</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30am</u>	JOB FINISH <u>12:00pm</u>
LEASE <u>Archeanaw</u>	WELL # <u>40-30-1831</u>	LOCATION <u>SEATH CITY</u>	<u>6 E 1355th</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)						

CONTRACTOR <u>Hg Rig #1</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production bottom stage</u>	
HOLE SIZE <u>9 1/8</u>	T.D. <u>4805 ft</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4802.33</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH <u>301.97</u>
TOOL <u>DV</u>	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>21.99</u>
CEMENT LEFT IN CSG. <u>21.99</u>	
PERFS.	
DISPLACEMENT <u>113.75</u>	EQUIPMENT

PUMP TRUCK	CEMENTER <u>Larone</u>	COMMON	@	
# <u>431</u>	HELPER <u>Barner</u>	POZMIX	@	
BULK TRUCK	DRIVER <u>Edw - Ethan</u>	GEL	@	<u>21.25</u>
# <u>404</u>		CHLORIDE	@	<u>106.25</u>
BULK TRUCK		ASC	@	<u>1900</u>
#		<u>glsanti</u>	@	<u>1823.05</u>
		<u>salt</u>	@	<u>2395</u>
		<u>fls seal</u>	@	<u>2170</u>
		<u>WFR 2</u>	@	<u>1.27</u>
		HANDLING	@	<u>2.25</u>
		MILEAGE	@	<u>2032.80</u>
				TOTAL <u>10082.80</u>

REMARKS:

MIX 500 gal WFR 2 down casing
MIX 275 Gls ASC down casing
washup pump & lines
Displace plug with 66 water
and 661 mud plug loaded
Plug held open DV Tool

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2405.00</u>
EXTRA FOOTAGE		
MILEAGE	<u>55 R2</u>	@ <u>7.00</u>
MANFOLD	<u>1 eel</u>	@ <u>200.00</u>
	<u>right device</u>	@ <u>400</u>
		@

CHARGE TO: ELM

TOTAL 3815.00

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>	<u>sure seal flo-flo shoe</u>	@	<u>520.00</u>
<u>3 1/2</u>	<u>sure seal flo-flo collar</u>	@	<u>620.00</u>
<u>2</u>	<u>baskeets</u>	@	<u>332.00</u>
<u>1</u>	<u>500 Ring</u>	@	<u>47.00</u>
<u>1</u>	<u>500 Ring</u>	@	<u>373.00</u>

To Allied Cementing Co., LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

TOTAL 6882.00

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Gregg Webb

SIGNATURE Gregg Webb

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 10, 2011

Cassie Parks
FIML Natural Resources, LLC
410 17TH ST STE 900
DENVER, CO 80202-4420

Re: ACO1
API 15-171-20807-00-00
Wiechman 4D-30-1831
NW/4 Sec.30-18S-31W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Cassie Parks



DRILL STEM TEST REPORT

Prepared For: **F I M L Natural Resources**

410 177th Street
Suite 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

Weichman 4D-30-1831

Start Date: 2011.07.05 @ 08:04:00

End Date: 2011.07.05 @ 13:33:30

Job Ticket #: 43380 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2011.07.11 @ 16:21:52 Page 1

F I M L Natural Resources

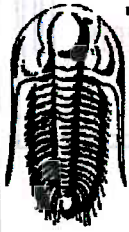
Weichman 4D-30-1831

30-18s-31w Scott,KS

DST # 1

LKC 'G'

2011.07.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

F I M L Natural Resources
 410 177th Street
 Suite 900
 Denver, CO 80202
 ATTN: Gary Doke/Josh Austinte 900

Weichman 4D-30-1831
30-18s-31w Scott,KS
 Job Ticket: 43380 DST#: 1
 Test Start: 2011.07.05 @ 08:04:00

GENERAL INFORMATION:

Formation: **LKC 'G'**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 09:43:20
 Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37

Interval: **4080.00 ft (KB) To 4130.00 ft (KB) (TVD)**
 Total Depth: 4130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2975.00 ft (KB)
 2963.00 ft (CF)
 KB to GR/CF: 12.00 ft

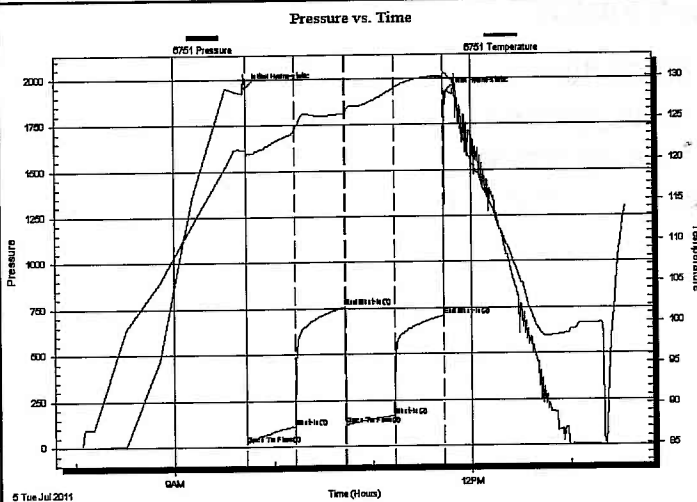
Serial #: 6751

Outside

Press@RunDepth: 164.84 psig @ 4083.00 ft (KB)
 Start Date: 2011.07.05 End Date: 2011.07.05
 Start Time: 08:04:02 End Time: 13:33:30

Capacity: 8000.00 psig
 Last Calib.: 2011.07.05
 Time On Btm: 2011.07.05 @ 09:43:10
 Time Off Btm: 2011.07.05 @ 11:44:10

TEST COMMENT: IF: 9" Blow.
 IS: Weak return died @ 15 min.
 FF: 5" Blow.
 FSI: 1" Return receded to surface return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.98	121.16	Initial Hydro-static
1	16.87	120.17	Open To Flow (1)
30	108.27	123.60	Shut-In(1)
60	757.31	125.61	End Shut-In(1)
61	116.87	125.53	Open To Flow (2)
91	164.84	128.62	Shut-In(2)
121	708.71	130.10	End Shut-In(2)
121	1922.65	130.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	GOCVM 5g 5o 40w 50m	0.91
93.00	GOCVM 10g 10o 25w 55m	0.46
63.00	CGO 30g 70o	0.31
0.00	123 Feet GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43380 **DST#: 1**
Test Start: 2011.07.05 @ 08:04:00

Tool Information

Drill Pipe:	Length: 3705.00 ft	Diameter: 3.80 inches	Volume: 51.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	53.80 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4080.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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			4061.00	
Shut In Tool	5.00			4066.00	
Hydraulic tool	5.00			4071.00	
Packer	5.00			4076.00	20.00 Bottom Of Top Packer
Packer	4.00			4080.00	
Stubb	1.00			4081.00	
Perforations	2.00			4083.00	
Recorder	0.00	8018	Inside	4083.00	
Recorder	0.00	6751	Outside	4083.00	
Perforations	11.00			4094.00	
Change Over Sub	1.00			4095.00	
Drill Pipe	31.00			4126.00	
Change Over Sub	1.00			4127.00	
Bullnose	3.00			4130.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43380 DST#: 1
Test Start: 2011.07.05 @ 08:04:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 29000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	GOCVM 5g 5o 40w 50m	0.915
93.00	GOCVM 10g 10o 25w 55m	0.457
63.00	CGO 30g 70o	0.310
0.00	123 Feet GIP	0.000

Total Length: 342.00 ft Total Volume: 1.682 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API: 37 @ 100 Degrees F = 33. Rw .173 @ 96 deg F

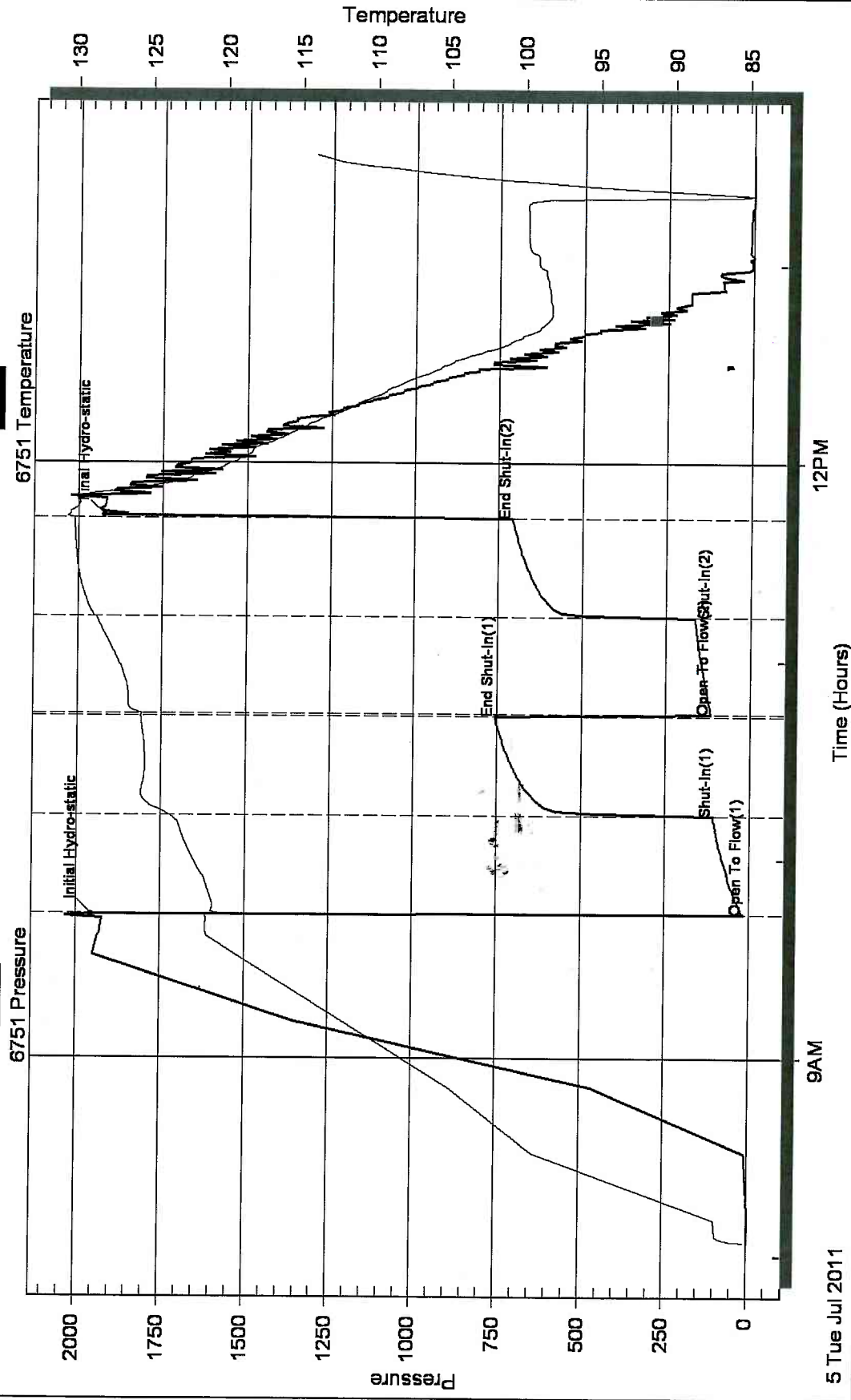
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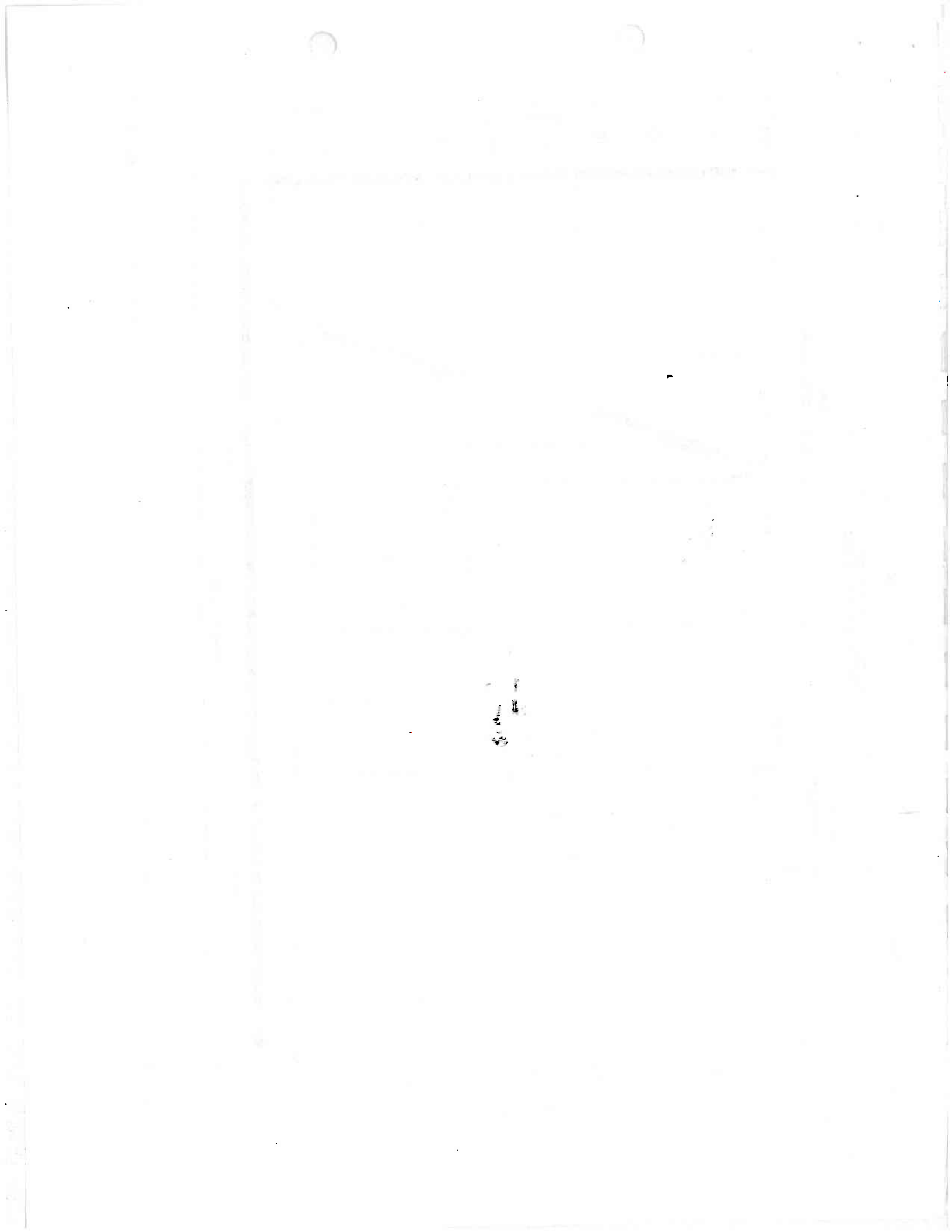
Outside F I M L Natural Resources

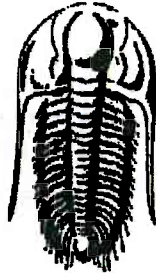
30-18s-31w Scott, KS

DST Test Number: 1

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **F I M L Natural Resources**

410 177th Street
Suite 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

Weichman 4D-30-1831

Start Date: 2011.07.05 @ 20:54:00

End Date: 2011.07.06 @ 05:49:49

Job Ticket #: 43381 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

F I M L Natural Resources

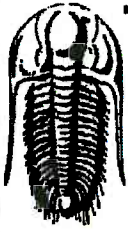
Weichman 4D-30-1831

30-18s-31w Scott,KS

DST # 2

LKC "r"

2011.07.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

F I M L Natural Resources
410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austint 900

Weichman 4D-30-1831
30-18s-31w Scott,KS
Job Ticket: 43381 DST#: 2
Test Start: 2011.07.05 @ 20:54:00

GENERAL INFORMATION:

Formation: **LKC 'I'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:39:20
Time Test Ended: 05:49:49

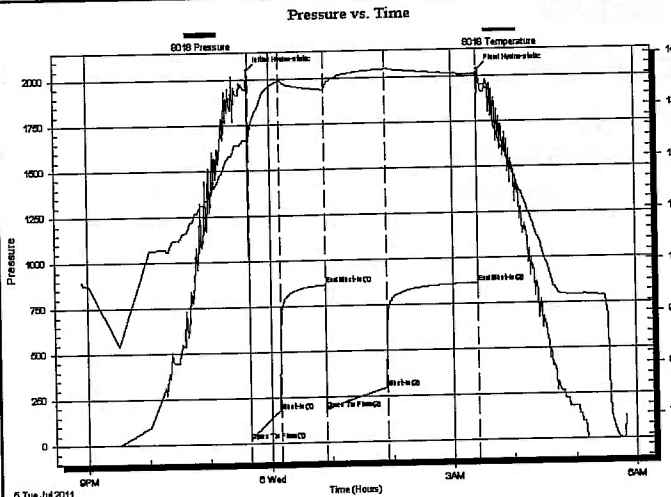
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37

Interval: **4150.00 ft (KB) To 4180.00 ft (KB) (TVD)**
Total Depth: 4180.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2975.00 ft (KB)
2963.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 295.38 psig @ 4153.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.05 End Date: 2011.07.06 Last Calib.: 2011.07.06
Start Time: 20:54:02 End Time: 05:49:49 Time On Btm: 2011.07.05 @ 23:38:30
Time Off Btm: 2011.07.06 @ 03:26:00

TEST COMMENT: IF: B.O.B. @ 23 min.
IS: No return.
FF: B.O.B. @ 33 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2048.87	123.82	Initial Hydro-static
1	19.07	123.68	Open To Flow (1)
31	178.64	135.23	Shut-In(1)
76	864.91	133.41	End Shut-In(1)
76	181.83	133.03	Open To Flow (2)
136	295.38	137.21	Shut-In(2)
226	864.48	135.92	End Shut-In(2)
228	2035.89	134.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
530.00	OSW 100w Popping gas	4.05
60.00	OSMV 40m 60w	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS

Job Ticket: 43381

DST#: 2

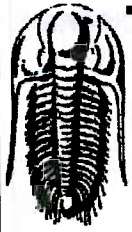
Test Start: 2011.07.05 @ 20:54:00

Tool Information

Drill Pipe:	Length: 3764.00 ft	Diameter: 3.80 inches	Volume: 52.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	54.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4150.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			4131.00		
Shut In Tool	5.00			4136.00		
Hydraulic tool	5.00			4141.00		
Packer	5.00			4146.00	20.00	Bottom Of Top Packer
Packer	4.00			4150.00		
Stubb	1.00			4151.00		
Perforations	2.00			4153.00		
Recorder	0.00	8018	Inside	4153.00		
Recorder	0.00	6751	Outside	4153.00		
Perforations	24.00			4177.00		
Bullnose	3.00			4180.00	30.00	Bottom Packers & Anchor
Total Tool Length:	50.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43381 DST#: 2
Test Start: 2011.07.05 @ 20:54:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	40000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
530.00	OSW 100w Popping gas	4.046
60.00	OSMV 40m 60w	0.842

Total Length: 590.00 ft Total Volume: 4.888 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .200 @ 63 deg F

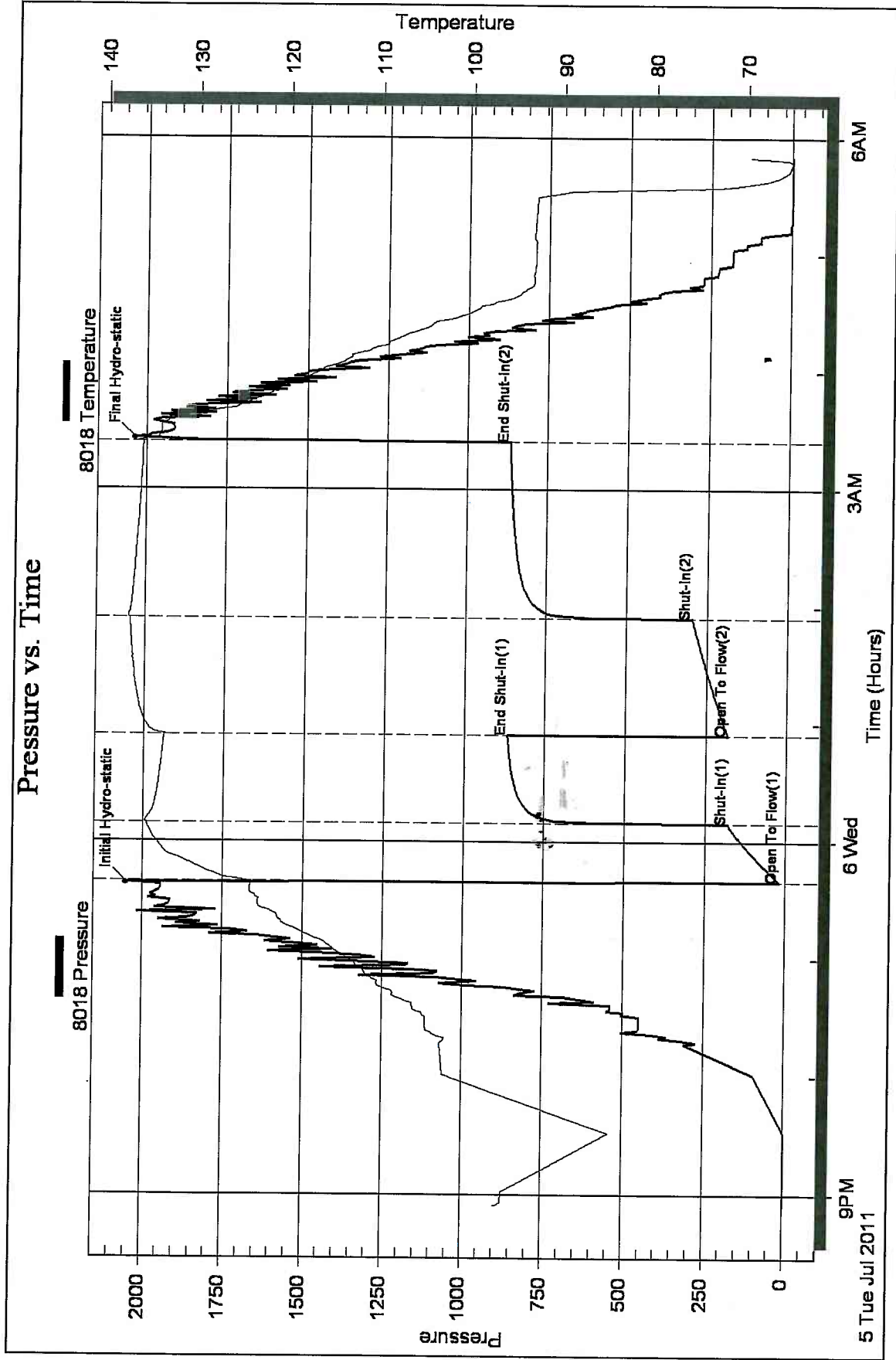
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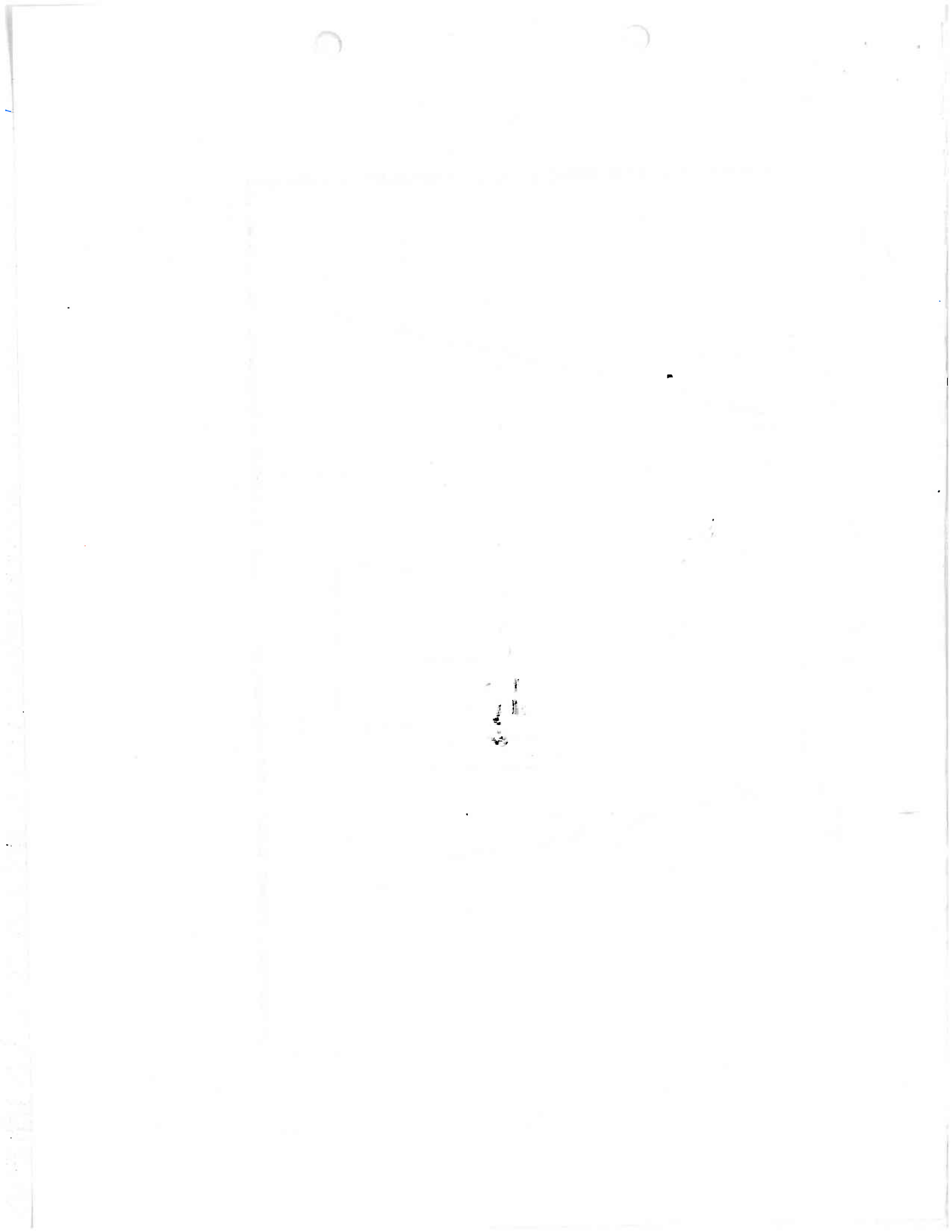
Inside

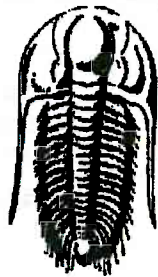
F I M L Natural Resources

30-18s-31w Scott,KS

DST Test Number: 2







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **F I M L Natural Resources**

410 177th Street
Suite 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

Weichman 4D-30-1831

Start Date: 2011.07.06 @ 14:17:00

End Date: 2011.07.06 @ 22:35:39

Job Ticket #: 43382 * DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

F I M L Natural Resources

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

Weichman 4D-30-1831

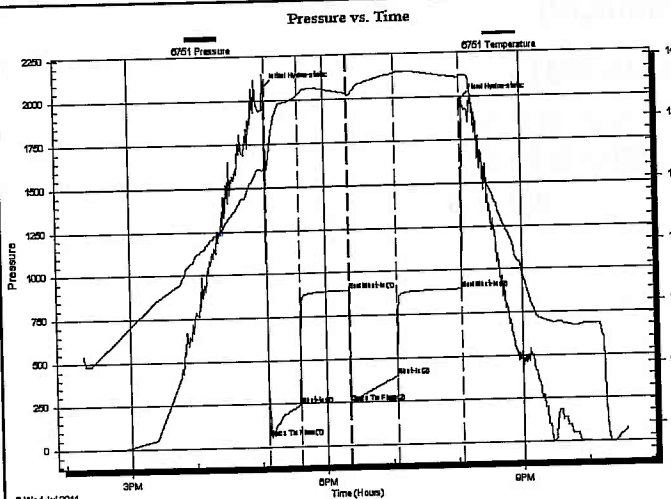
30-18s-31w Scott, KS
Job Ticket: 43382 DST#: 3
Test Start: 2011.07.06 @ 14:17:00

GENERAL INFORMATION:

Formation: **LKC 'J, K'**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 17:05:30
Time Test Ended: 22:35:39
Interval: **4180.00 ft (KB) To 4260.00 ft (KB) (TVD)**
Total Depth: **4260.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **37**
Reference Elevations: **2975.00 ft (KB)**
2963.00 ft (CF)
KB to GR/CF: **12.00 ft**

Serial #: 6751 **Outside**
Press@RunDepth: **397.50 psig @ 4183.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.07.06** End Date: **2011.07.06** Last Calib.: **2011.07.06**
Start Time: **14:17:02** End Time: **22:35:40** Time On Btm: **2011.07.06 @ 17:05:20**
Time Off Btm: **2011.07.06 @ 20:06:30**

TEST COMMENT: IF: B.O.B. @ 14 min.
IS: No return.
FF: B.O.B. @ 16 min.
FS: No return.



PRESSURE SUMMARY

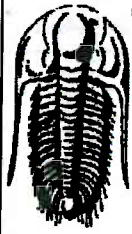
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.00	122.53	Initial Hydro-static
1	58.86	121.57	Open To Flow (1)
31	243.71	134.01	Shut-In(1)
76	895.28	134.35	End Shut-In(1)
76	244.65	134.07	Open To Flow (2)
120	397.50	137.32	Shut-In(2)
180	892.25	136.54	End Shut-In(2)
182	1989.76	136.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	MW 5m 95w Popping gas	1.83
460.00	MW 40m 60w	6.45
33.00	OSMW 45m 55w	0.46

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS

Job Ticket: 43382 **DST#: 3**

Test Start: 2011.07.06 @ 14:17:00

Tool Information

Drill Pipe:	Length: 3796.00 ft	Diameter: 3.80 inches	Volume: 53.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Full Loose: 75000.00 lb
			<u>Total Volume: 55.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4180.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	100.00 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			4161.00	
Shut In Tool	5.00			4166.00	
Hydraulic tool	5.00			4171.00	
Packer	5.00			4176.00	20.00 Bottom Of Top Packer
Packer	4.00			4180.00	
Stubb	1.00			4181.00	
Perforations	2.00			4183.00	
Recorder	0.00	8018	Inside	4183.00	
Recorder	0.00	6751	Outside	4183.00	
Perforations	10.00			4193.00	
Change Over Sub	1.00			4194.00	
Drill Pipe	62.00			4256.00	
Change Over Sub	1.00			4257.00	
Bullnose	3.00			4260.00	80.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43382 **DST#: 3**
Test Start: 2011.07.06 @ 14:17:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	41000 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
372.00	MV 5m 95w Popping gas	1.829
460.00	MV 40m 60w	6.453
33.00	OSMV 45m 55w	0.463

Total Length: 865.00 ft Total Volume: 8.745 bbl

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

Laboratory Name: Laboratory Location:

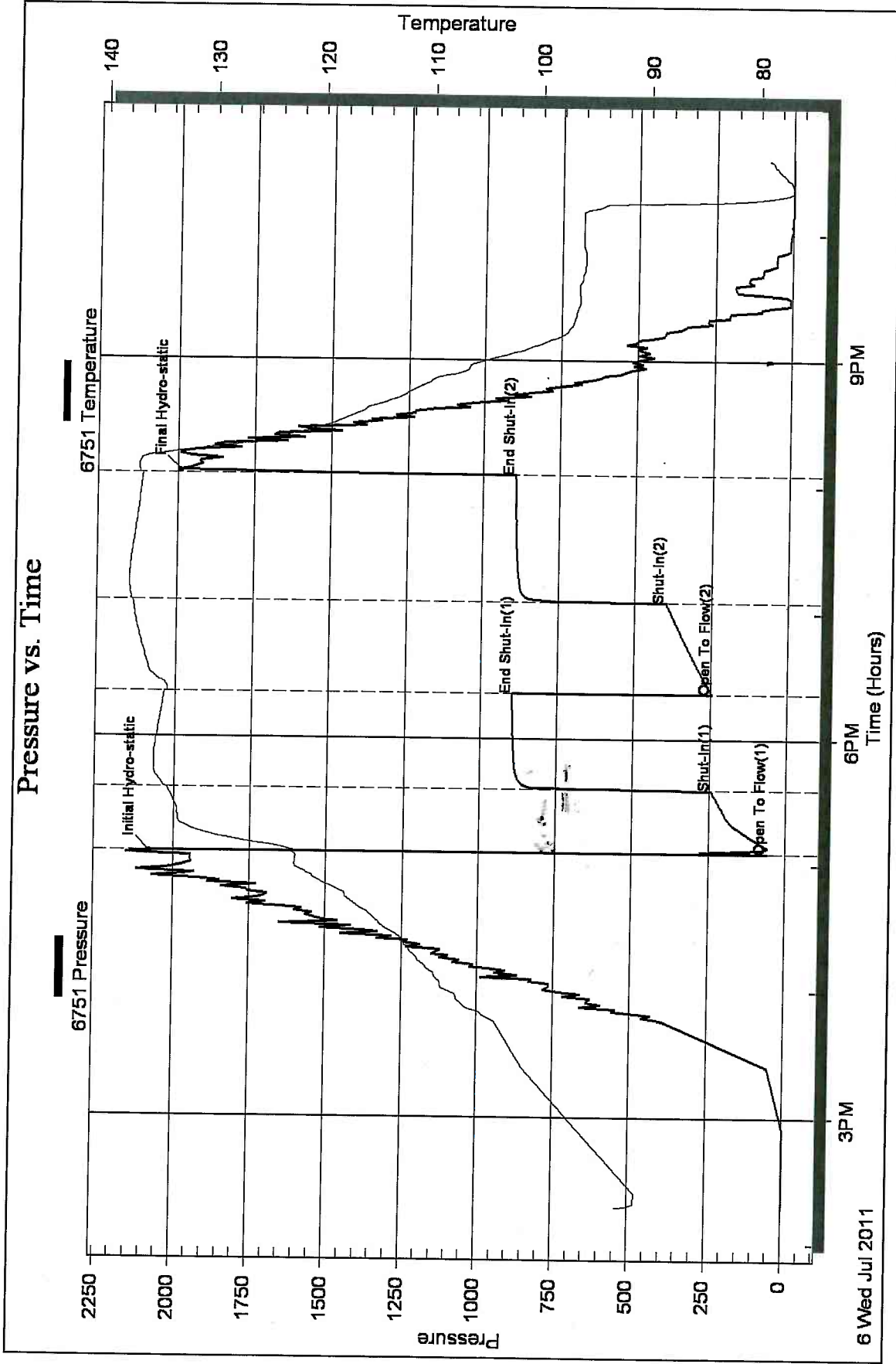
Recovery Comments: Rw .150 @ 81 deg F

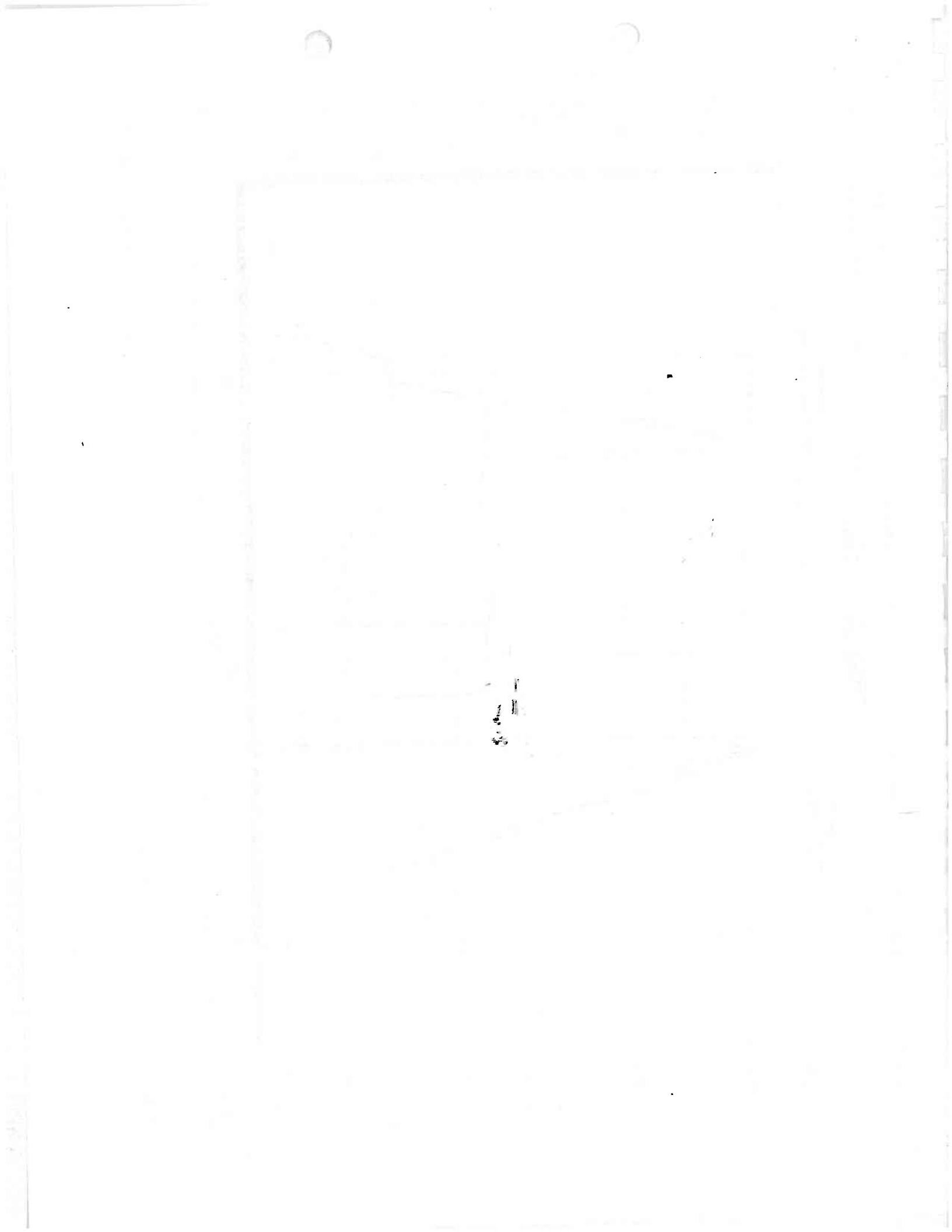
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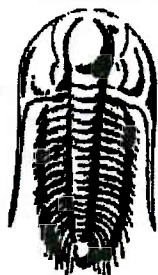
Outside F I M L Natural Resources

30-18s-31w Scott, KS

DST Test Number: 3







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **F I M L Natural Resources**

410 177th Street
Suite 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

Weichman 4D-30-1831

Start Date: 2011.07.07 @ 10:20:00

End Date: 2011.07.07 @ 18:46:00

Job Ticket #: 43383 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

F I M L Natural Resources

Weichman 4D-30-1831

30-18s-31w Scott,KS

DST # 4

Pleasanton-Altamont

2011.07.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

F I M L Natural Resources

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

Weichman 4D-30-1831

30-18s-31w Scott,KS
Job Ticket: 43383 **DST#: 4**
Test Start: 2011.07.07 @ 10:20:00

GENERAL INFORMATION:

Formation: **Pleasanton-Altamont**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 12:15:30
Time Test Ended: 18:46:00

Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **37**

Interval: **4275.00 ft (KB) To 4380.00 ft (KB) (TVD)**
Total Depth: **4380.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2975.00 ft (KB)**
2963.00 ft (CF)
KB to GR/CF: **12.00 ft**

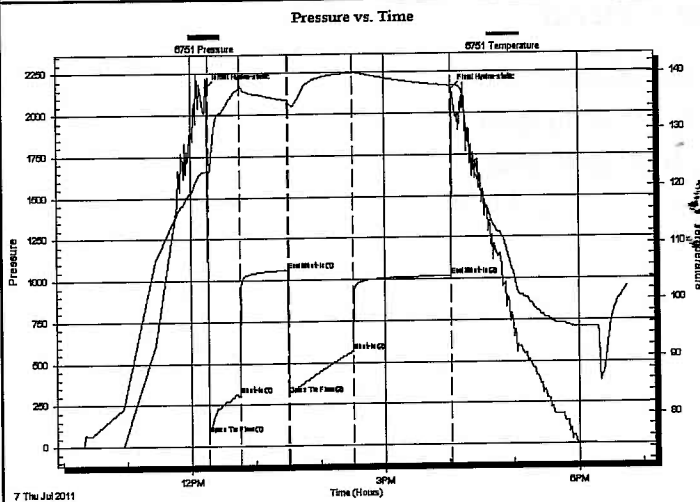
Serial #: 6751

Outside

Press@RunDepth: **566.04 psig @ 4278.00 ft (KB)**
Start Date: **2011.07.07** End Date: **2011.07.07**
Start Time: **10:20:02** End Time: **18:46:00**

Capacity: **8000.00 psig**
Last Calib.: **2011.07.07**
Time On Btrr: **2011.07.07 @ 12:14:30**
Time Off Btrr: **2011.07.07 @ 16:02:39**

TEST COMMENT: IF: B.O.B. @ 7 min.
IS: No return.
FF: B.O.B. @ 10 min.
FS: Weak return died @ 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.87	122.83	Initial Hydro-static
1	75.56	121.91	Open To Flow (1)
31	309.91	137.49	Shut-In(1)
76	1059.14	135.29	End Shut-In(1)
76	311.44	134.83	Open To Flow (2)
136	566.04	140.02	Shut-In(2)
227	1018.42	137.63	End Shut-In(2)
229	2147.67	137.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .120 @ 81 Degrees F = 50000	10.00
558.00	GOCMV 10g 3o 12m 75w	4.44
279.00	GOCMV 25g 5o 25w 45m	3.91
310.00	GOCMV 10g 10o 25w 55m	4.35
0.00	155 Feet GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS

Job Ticket: 43383

DST#: 4

Test Start: 2011.07.07 @ 10:20:00

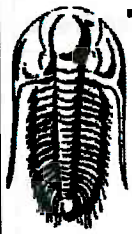
Tool Information

Drill Pipe:	Length: 3892.00 ft	Diameter: 3.80 inches	Volume: 54.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 56.42 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4275.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	125.00 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			4256.00		
Shut In Tool	5.00			4261.00		
Hydraulic tool	5.00			4266.00		
Packer	5.00			4271.00	20.00	Bottom Of Top Packer
Packer	4.00			4275.00		
Stubb	1.00			4276.00		
Perforations	2.00			4278.00		
Recorder	0.00	8018	Inside	4278.00		
Recorder	0.00	6751	Outside	4278.00		
Perforations	35.00			4313.00		
Change Over Sub	1.00			4314.00		
Drill Pipe	62.00			4376.00		
Change Over Sub	1.00			4377.00		
Bullnose	3.00			4380.00	105.00	Bottom Packers & Anchor
Total Tool Length:	125.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

F I M L Natural Resources
410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

Weichman 4D-30-1831
30-18s-31w Scott,KS
Job Ticket: 43383 **DST#: 4**
Test Start: 2011.07.07 @ 10:20:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 50000 ppm	
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 1.00 inches			

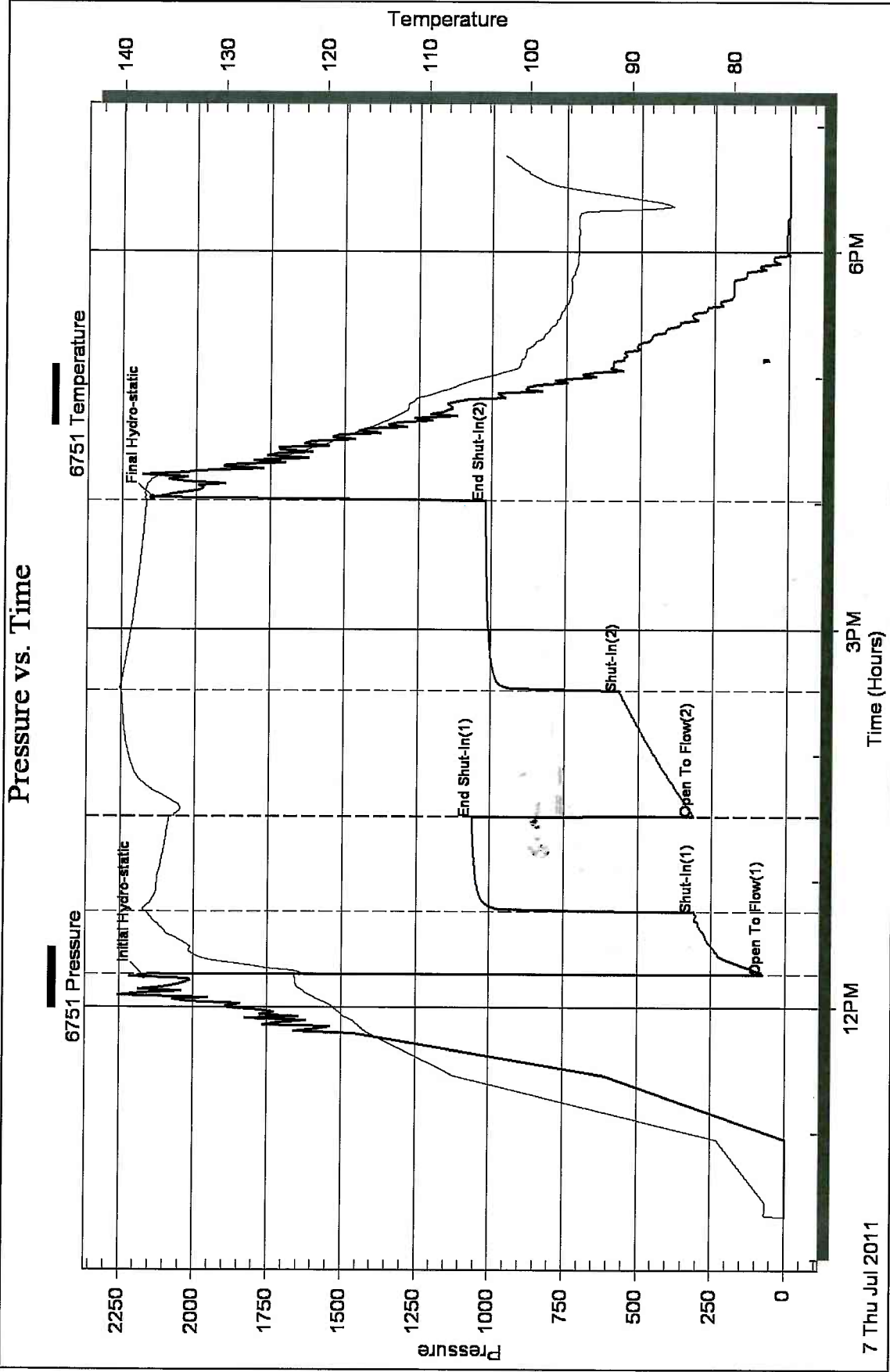
Recovery Information

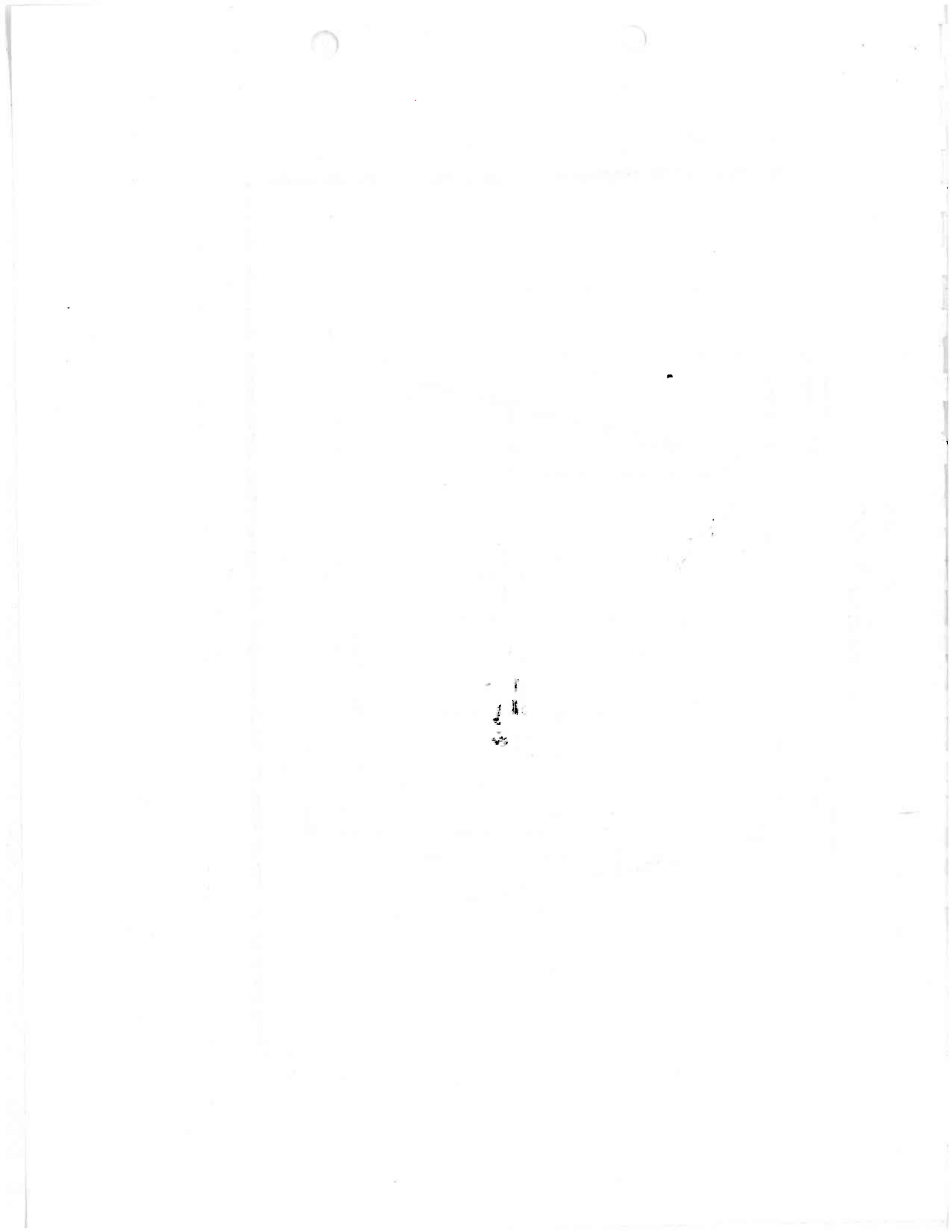
Recovery Table

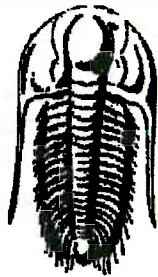
Length ft	Description	Volume bbl
0.00	RW: .120 @ 81 Degrees F = 50000 PPM	0.000
558.00	GOCVM 10g 3o 12m 75w	4.439
279.00	GOCVM 25g 5o 25w 45m	3.914
310.00	GOCVM 10g 10o 25w 55m	4.348
0.00	155 Feet GIP	0.000

Total Length: 1147.00 ft Total Volume: 12.701 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Rw .120 @ 81 deg F

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **F I M L Natural Resources**

410 177th Street
Suite 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

Weichman 4D-30-1831

Start Date: 2011.07.08 @ 14:50:00

End Date: 2011.07.08 @ 21:46:00

Job Ticket #: 43384 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

F I M L Natural Resources

Weichman 4D-30-1831

30-18s-31w Scott,KS

DST # 5

Spergen

2011.07.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

F I M L Natural Resources
410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Duke/Josh Austinte 900

Weichman 4D-30-1831
30-18s-31w Scott,KS
Job Ticket: 43384 **DST#: 5**
Test Start: 2011.07.08 @ 14:50:00

GENERAL INFORMATION:

Formation: **Spergen**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 17:36:50
Time Test Ended: 21:46:00

Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37

Interval: **4610.00 ft (KB) To 4627.00 ft (KB) (TVD)**
Total Depth: **4627.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2975.00 ft (KB)**
2963.00 ft (CF)
KB to GR/CF: **12.00 ft**

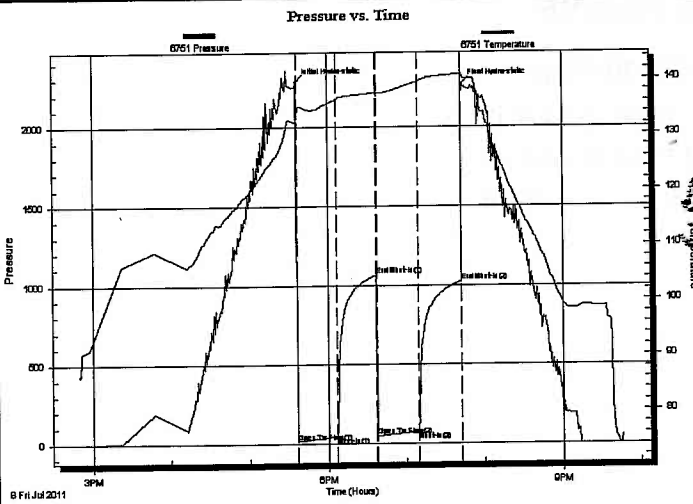
Serial #: 6751

Outside

Press@RunDepth: **76.88 psig @ 4613.00 ft (KB)**
Start Date: **2011.07.08** End Date: **2011.07.08**
Start Time: **14:50:02** End Time: **21:46:00**

Capacity: **8000.00 psig**
Last Calib.: **2011.07.08**
Time On Btm: **2011.07.08 @ 17:36:00**
Time Off Btm: **2011.07.08 @ 19:43:20**

TEST COMMENT: IF: 1 1/2" Blow.
IS: No return.
FF: No return.
FS: No return.



PRESSURE SUMMARY

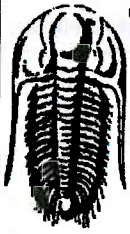
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.75	132.17	Initial Hydro-static
1	15.31	133.34	Open To Flow (1)
32	45.74	136.17	Shut-In(1)
61	1064.21	137.43	End Shut-In(1)
62	48.36	136.92	Open To Flow (2)
94	76.88	139.40	Shut-In(2)
127	1024.93	140.72	End Shut-In(2)
128	2269.85	140.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: 120 @ 80 Degrees F = 54000 PPT0.00	
125.00	OSWM 45w 55m	0.61

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43384 **DST#: 5**
Test Start: 2011.07.08 @ 14:50:00

GENERAL INFORMATION:

Formation: **Spergen**

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

Time Tool Opened: 17:36:50

Time Test Ended: 21:46:00

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **4610.00 ft (KB) To 4627.00 ft (KB) (TVD)**

Total Depth: **4627.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2975.00 ft (KB)**

2963.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 8018 Inside

Press@RunDepth: psig @ **4613.00 ft (KB)**

Start Date: **2011.07.08** End Date: **2011.07.08** Capacity: **8000.00 psig**

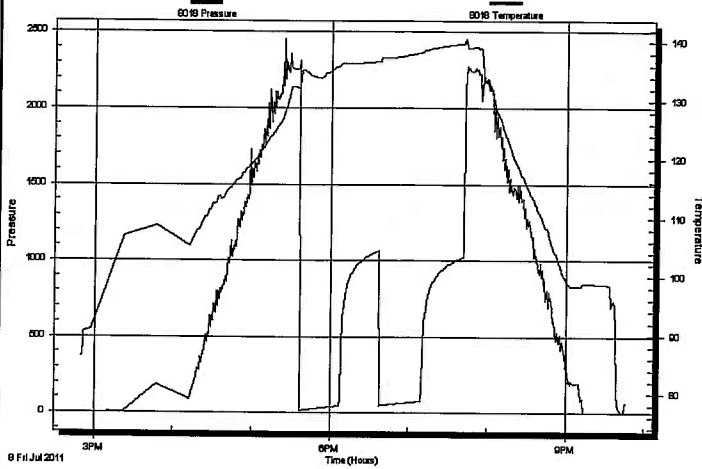
Start Time: **14:50:02** End Time: **21:46:00** Last Calib.: **2011.07.08**

Time On Btrr

Time Off Btrr

TEST COMMENT: IF: 1 1/2" Blow.
IS: No return.
FF: No return.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: 120 @ 80 Degrees F = 54000	10.00
125.00	OSWM 45w 55m	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
Denver, CO 80202
ATTN: Gary Duke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43384 **DST#: 5**
Test Start: 2011.07.08 @ 14:50:00

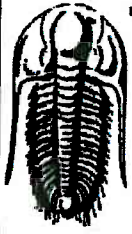
Tool Information

Drill Pipe:	Length: 4236.00 ft	Diameter: 3.80 inches	Volume: 59.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4610.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 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			4591.00	
Shut In Tool	5.00			4596.00	
Hydraulic tool	5.00			4601.00	
Packer	5.00			4606.00	20.00 Bottom Of Top Packer
Packer	4.00			4610.00	
Stubb	1.00			4611.00	
Perforations	2.00			4613.00	
Recorder	0.00	8018	Inside	4613.00	
Recorder	0.00	6751	Outside	4613.00	
Perforations	11.00			4624.00	
Bullnose	3.00			4627.00	17.00 Bottom Packers & Anchor

Total Tool Length: 37.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

F I M L Natural Resources

Weichman 4D-30-1831

410 177th Street
Suite 900
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ATTN: Gary Doke/Josh Austinte 900

30-18s-31w Scott,KS
Job Ticket: 43384 **DST#: 5**
Test Start: 2011.07.08 @ 14:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	54000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW.120 @ 80 Degrees F = 54000 PPM	0.000
125.00	OSWM45w 55m	0.615

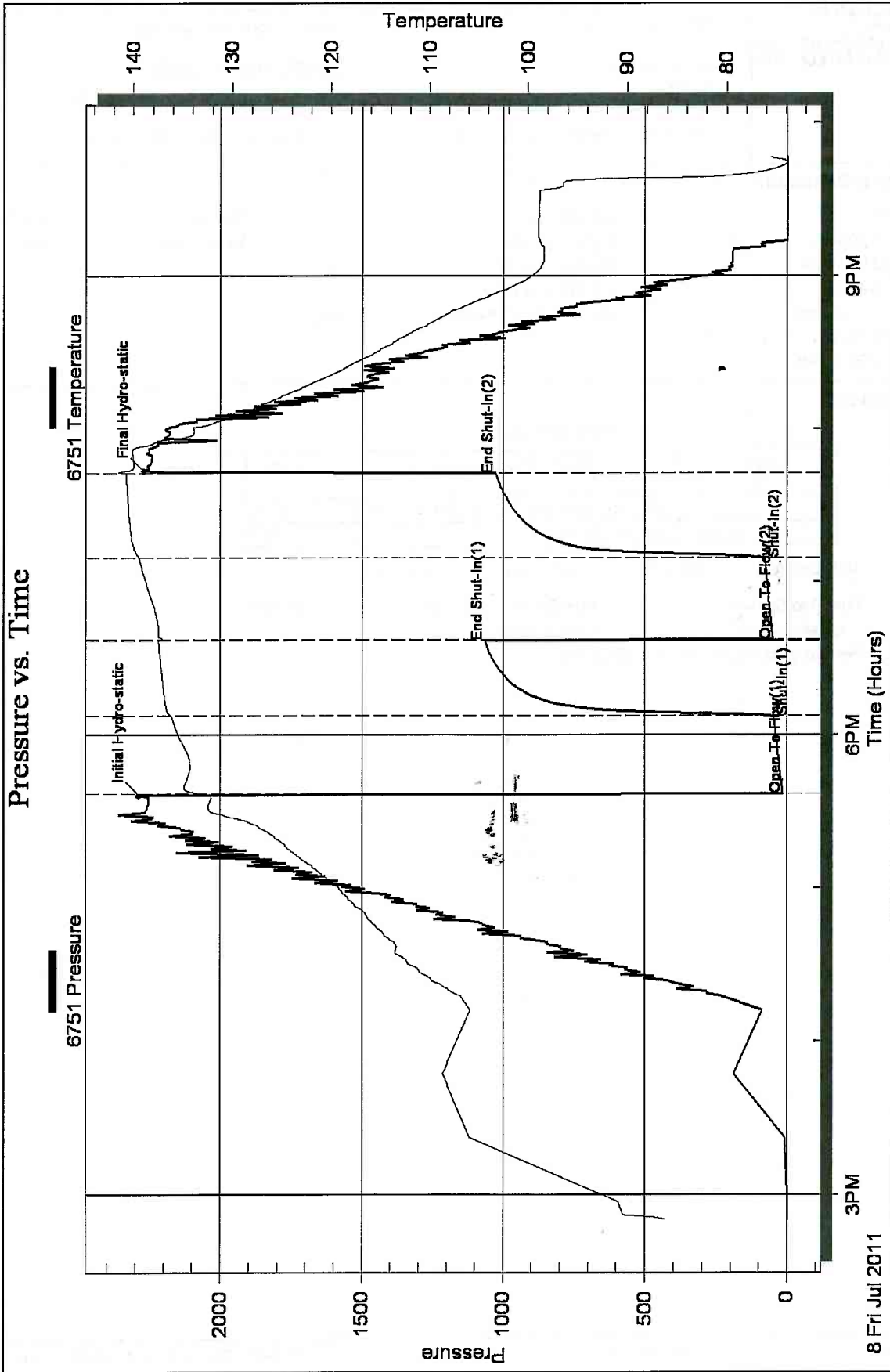
Total Length: 125.00 ft Total Volume: 0.615 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .120 @ 80 deg F

Pressure vs. Time



8 Fri Jul 2011

Pressure vs. Time

