KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1049199

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33476
Name: FIML Natural Resources, LLC
Address 1: 410 17TH ST STE 900
Address 2:
City: DENVER State: CO Zip: 80202 + 4420
Contact Person: Cassie Parks
Phone: (303) 893-5073
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Jim Musgrove
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

09/23/2010	09/30/2010	10/01/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20773-00-00
Spot Description:
_ - NW - SW - NE Sec. 1 Twp. 19 S. R. 32 [ ] East [x] West
3630 Feet from [ ] North / [x] South Line of Section
2310 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Scott
Lease Name: Dague Well #: 7B-1-1932
Field Name:
Producing Formation: NA
Elevation: Ground: 2955 Kelly Bushing: 2967
Total Depth: 4831 Plug Back Total Depth: 4
Amount of Surface Pipe Set and Cemented at: 392 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 2250
feet depth to: 4 w/ 250 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 11000 ppm Fluid volume: 875 bbls
Dewatering method used: Evaporated
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

- [x] **Letter of Confidentiality Received**
  Date: 01/11/2011
- [x] **Confidential Release Date:** 01/10/2013
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 01/12/2011

Side Two

1049199

Operator Name: FIML Natural Resources, LLC Lease Name: Dague Well #: 7B-1-1932

Sec. 1 Twp. 19 S. R. 32 ☐ East ☑ West County: Scott

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Triple Combo, Microlog

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Topeka	3664	
Heebner	3906	
Lansing	3938	
Marmaton	4367	
Cherokee	4512	
Mississippi	4594	

CASING RECORD ☑ New ☐ 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	23.0	392	class A	240	2% gel, 3% CaCl

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
	Plug 1	50 sks 60/40 Pozmix A w/ 4% gel & .25 pps flocele	2250-2032'
	Plug 2	80 sks 60/40 Pozmix A w/ 4% gel & .25 pps flocele	1480-1116'
	Plug 3	50 sks 60/40 Pozmix A w/ 4% gel & .25 pps flocele	430-203'
	Plug 4	20 sks 60/40 Pozmix A w/ 4% gel & .25 pps flocele	60-4
	Mouse and rat hole	50 sks 60/40 Pozmix A w/ 4% gel & .25 pps flocele	

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

KANSAS
CORPORATION COMMISSION

January 11, 2011

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

Re: ACO1
API 15-171-20773-00-00
Dague 7B-1-1932
NE/4 Sec.01-19S-32W
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

2347

ALLIED CEMENTING CO., LLC

Cementing & Acidizing Services

PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 124576
Invoice Date: Sep 23, 2010
Page: 1

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

Bill To:

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
FIML	Dague 7B #1-1932	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-01	Oakley	Sep 23, 2010	10/23/10

Quantity	Item	Description	Unit Price	Amount
240.00	MAT	Class A Common	15.45	3,708.00
5.00	MAT	Gel	20.80	104.00
8.00	MAT	Chloride	58.20	465.60
253.00	SER	Handling	2.40	607.20
50.00	SER	Mileage 253 sx @.10 per sk per mi	25.30	1,265.00
1.00	SER	Surface	1,018.00	1,018.00
50.00	SER	Pump Truck Mileage	7.00	350.00
1.00	EQP	8.5/8 AFU Insert	158.00	158.00
3.00	EQP	8.5/8 Centralizer	49.00	147.00
1.00	EQP	8.5/8 Plug	53.00	53.00

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

$ 1575.16

ONLY IF PAID ON OR BEFORE

Oct 18, 2010

Subtotal	7,875.80
Sales Tax	338.40
Total Invoice Amount	8,214.20
Payment/Credit Applied	
TOTAL	**8,214.20**

8100-145

D 10070

-1575.16

6639.04

406

ALLIED CEMENTING CO., LLC. 039017

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-23-10	1	19	32		6:30pm		
LEASE Dague	WELL # 1-1932		LOCATION Studley e-Rdto Rd			COUNTY Scott	STATE KS
OLD OR NEW (Circle one)			2 1/2 S W in				

CONTRACTOR Murfin #21
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 395'
CASING SIZE 8 5/8 DEPTH 395'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42.20
CEMENT LEFT IN CSG. 42.20
PERFS.
DISPLACEMENT 22.4

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy
431 HELPER Kelly
BULK TRUCK
394 DRIVER Brandon
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 240 com 3%cc 2%gel

COMMON	240	@ 15.45	3708.00
POZMIX		@	
GEL	5	@ 20.80	104.00
CHLORIDE	8	@ 58.20	465.60
ASC		@	
HANDLING	253	@ 2.40	607.20
MILEAGE	.10 x 5 x mile		1265.00
		TOTAL	6149.80

REMARKS:

cement did circulate
Approx 7 BBL to pit

Plug down @ 9:45 am
Float held

Thanks Fuzzy crew

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1018.00
EXTRA FOOTAGE		@	
MILEAGE	50	@ 7.00	350.00
MANIFOLD		@	
		@	
		@	
		TOTAL	1368.00

CHARGE TO: FIML
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8

1-AFU Insert		@	158.00
3-Cent		@ 49.00	147.00
1-Plug		@	53.00
		@	
		@	
		TOTAL	358.00

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.

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

PRINTED NAME Gary Dake
SIGNATURE Gary Dake

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh Austi

1-19s-32w Scott,KS

Dague 7B-1-1932

Start Date: 2010.09.27 @ 23:15:09
End Date: 2010.09.28 @ 05:57:33
Job Ticket #: 040244 DST #: 1

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

Add'l copies in big file

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040244 **DST#: 1**

Test Start: 2010.09.27 @ 23:15:09

GENERAL INFORMATION:

Formation: **Lansing H&I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:09:04
Time Test Ended: 05:57:33

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

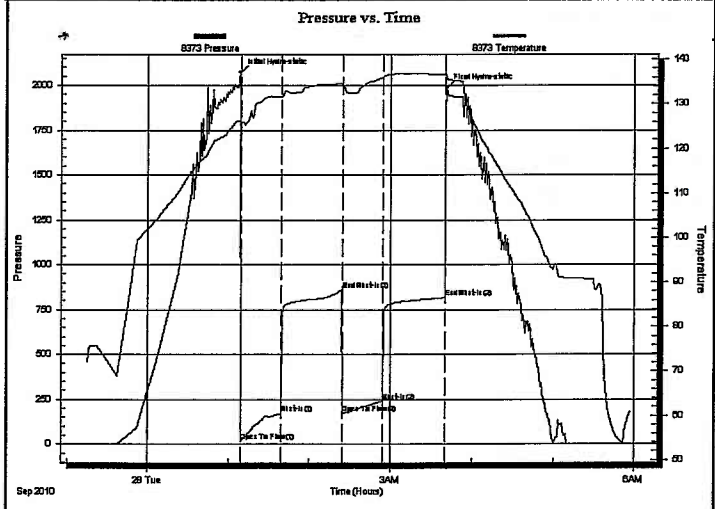
Interval: 4160.00 ft (KB) To 4227.00 ft (KB) (TVD)
Total Depth: 4227.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2967.00 ft (KB)
2957.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 240.84 psig @ 4161.00 ft (KB)
Start Date: 2010.09.27 End Date: 2010.09.28
Start Time: 23:15:09 End Time: 05:57:33

Capacity: 8000.00 psig
Last Calib.: 2010.09.28
Time On Btm: 2010.09.28 @ 01:08:19
Time Off Btm: 2010.09.28 @ 03:40:33

TEST COMMENT: IF: 1/4 blow BOB in 19 min.
IS: No return.
FF: Surface blow BOB in 25 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2071.09	126.27	Initial Hydro-static
1	18.51	125.46	Open To Flow (1)
31	172.66	131.70	Shut-In(1)
76	863.02	134.61	End Shut-In(1)
77	173.11	134.37	Open To Flow (2)
106	240.84	135.86	Shut-In(2)
152	816.60	136.50	End Shut-In(2)
153	1985.47	136.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 70%w 30%m	0.91
186.00	w cm 10%w 90%m	2.12
129.00	mud 100%m	1.81

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040244 **DST#: 1**

Test Start: 2010.09.27 @ 23:15:09

Tool Information

Drill Pipe:	Length:	3928.00 ft	Diameter:	3.80 inches	Volume:	55.10 bbl	Tool Weight:		1500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	56.28 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight:	Initial	54000.00 lb
Depth to Top Packer:		4160.00 ft						Final	58000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		67.00 ft							
Tool Length:		87.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4141.00		
Shut In Tool	5.00			4146.00		
Hydraulic tool	5.00			4151.00		
Packer	5.00			4156.00	20.00	Bottom Of Top Packer
Packer	4.00			4160.00		
Stubb	1.00			4161.00		
Recorder	0.00	8373	Inside	4161.00		
Recorder	0.00	8289	Outside	4161.00		
Perforations	27.00			4188.00		
Change Over Sub	1.00			4189.00		
Drill Pipe	32.00			4221.00		
Change Over Sub	1.00			4222.00		
Bullnose	5.00			4227.00	67.00	Bottom Packers & Anchor
Total Tool Length:	**87.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040244 **DST#: 1**

Test Start: 2010.09.27 @ 23:15:09

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	34000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

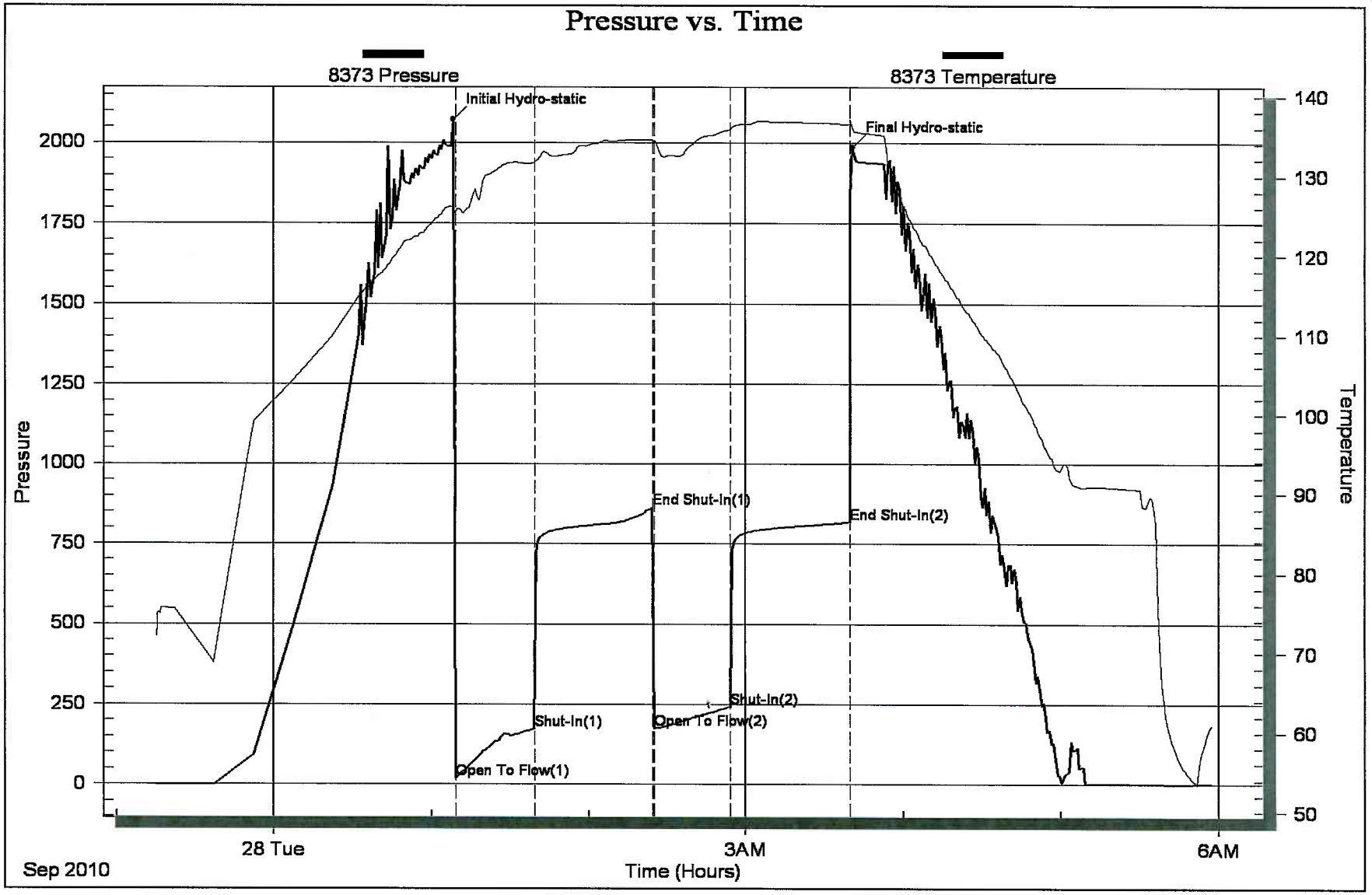
Length ft	Description	Volume bbl
186.00	mcw 70%w 30%m	0.915
186.00	w cm 10%w 90%m	2.117
129.00	mud 100%m	1.810

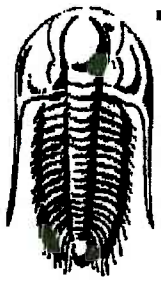
Total Length: 501.00 ft Total Volume: 4.842 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .27@55=34000


Pressure vs. Time
8373 Pressure
8373 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
70
60
50
28 Tue
3AM
6AM
Sep 2010
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh Austi

1-19s-32w Scott,KS

Dague 7B-1-1932

Start Date: 2010.09.28 @ 17:11:03
End Date: 2010.09.28 @ 23:56:57
Job Ticket #: 040245 DST #: 2

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

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040245 **DST#: 2**

Test Start: 2010.09.28 @ 17:11:03

GENERAL INFORMATION:

Formation: **Lansing J-K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:51:43
Time Test Ended: 23:56:57

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

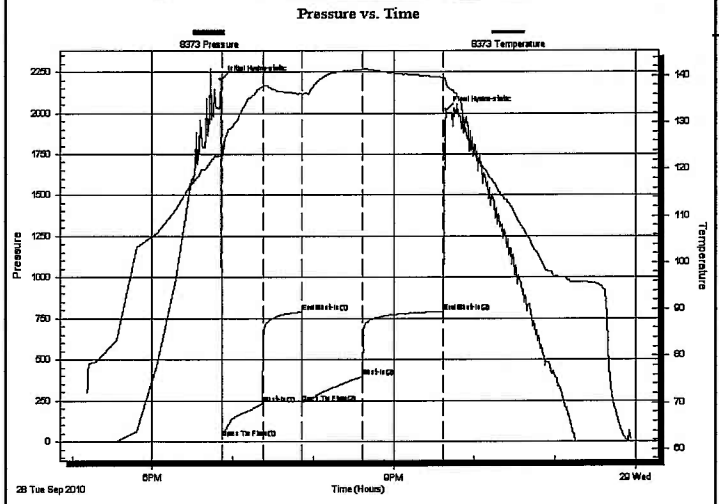
Interval: 4228.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2967.00 ft (KB)
2957.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 397.50 psig @ 4229.00 ft (KB)
Start Date: 2010.09.28 End Date: 2010.09.28
Start Time: 17:11:03 End Time: 23:56:57

Capacity: 8000.00 psig
Last Calib.: 2010.09.29
Time On Btm: 2010.09.28 @ 18:50:58
Time Off Btm: 2010.09.28 @ 21:38:57

TEST COMMENT: IF: 1/4 blow BOB in 8 1/2 min.
IS: No return.
FF: Surface blow BOB in 13 min.
FS: No reutrn.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.15	123.01	Initial Hydro-static
1	27.55	122.38	Open To Flow (1)
32	233.69	137.75	Shut-In(1)
61	790.00	136.11	End Shut-In(1)
61	239.64	135.77	Open To Flow (2)
106	397.50	141.33	Shut-In(2)
166	792.62	139.63	End Shut-In(2)
168	2017.34	138.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	mcw 90%w 10%m	3.90
248.00	mcw 60%w 40%m	3.48
174.00	w cm oil spots 10%w 90%m	2.44

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040245 **DST#: 2**

Test Start: 2010.09.28 @ 17:11:03

Tool Information

Drill Pipe:	Length:	3988.00 ft	Diameter:	3.80 inches	Volume:	55.94 bbl	Tool Weight:		1500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:		75000.00 lb
					Total Volume:	57.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	56000.00 lb
Depth to Top Packer:		4228.00 ft						Final	58000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		102.00 ft							
Tool Length:		122.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4209.00		
Shut In Tool	5.00			4214.00		
Hydraulic tool	5.00			4219.00		
Packer	5.00			4224.00	20.00	Bottom Of Top Packer
Packer	4.00			4228.00		
Stubb	1.00			4229.00		
Recorder	0.00	8373	Inside	4229.00		
Recorder	0.00	8289	Outside	4229.00		
Perforations	31.00			4260.00		
Change Over Sub	1.00			4261.00		
Drill Pipe	63.00			4324.00		
Change Over Sub	1.00			4325.00		
Bullnose	5.00			4330.00	102.00	Bottom Packers & Anchor
Total Tool Length:	**122.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040245 **DST#: 2**

Test Start: 2010.09.28 @ 17:11:03

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	38000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

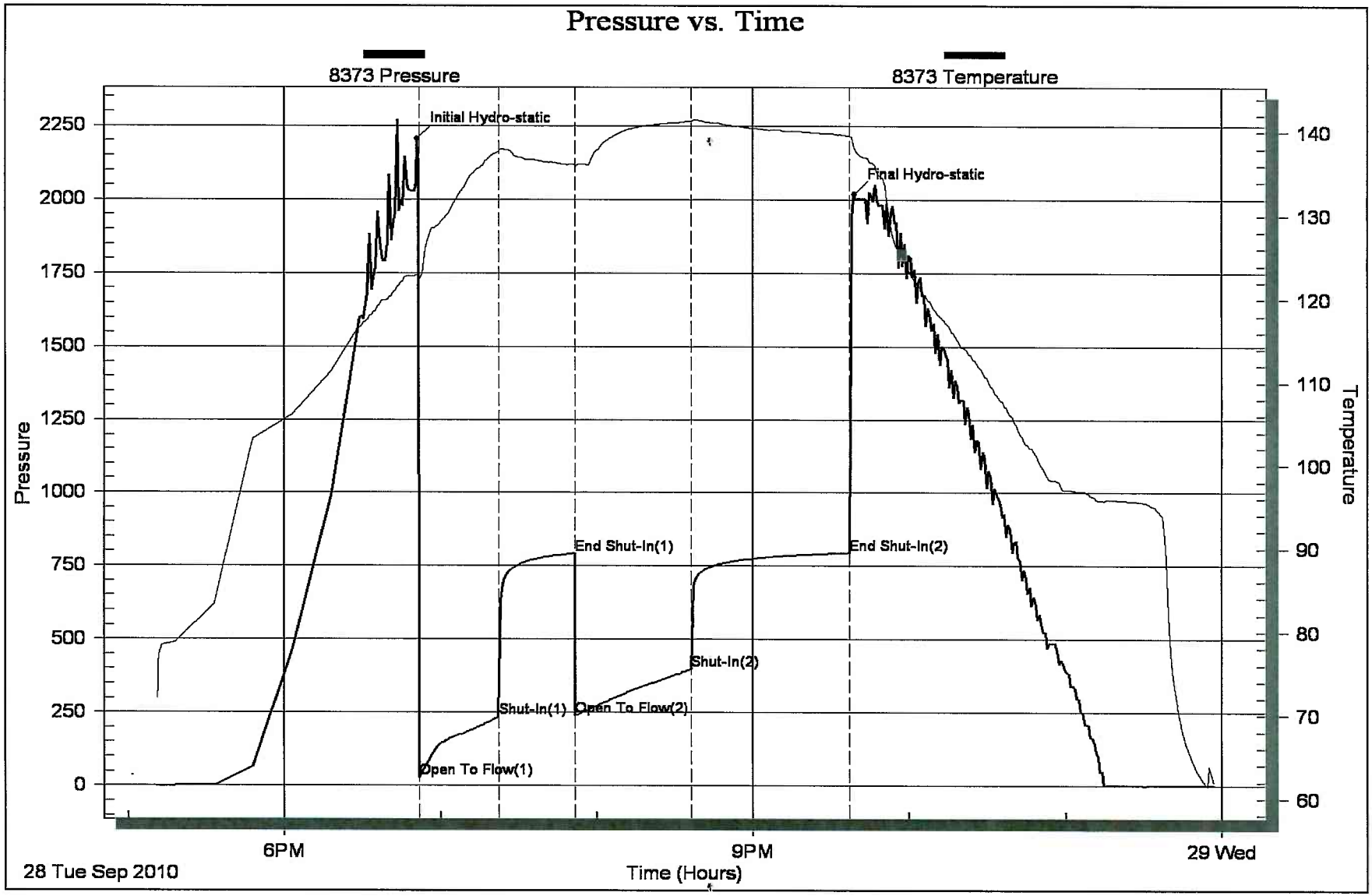
Length ft	Description	Volume bbl
434.00	mcw 90%w 10%m	3.902
248.00	mcw 60%w 40%m	3.479
174.00	w cm oil spots 10%w 90%m	2.441

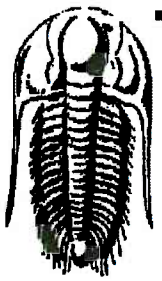
Total Length: 856.00 ft Total Volume: 9.822 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .22@63=38000


Pressure vs. Time
8373 Pressure
8373 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
70
60
6PM
9PM
29 Wed
28 Tue Sep 2010
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh Austi

1-19s-32w Scott,KS

Dague 7B-1-1932

Start Date: 2010.09.29 @ 13:24:14
End Date: 2010.09.29 @ 20:32:08
Job Ticket #: 040246 DST #: 3

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

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040246 **DST#: 3**

Test Start: 2010.09.29 @ 13:24:14

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:23:39
Time Test Ended: 20:32:08

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

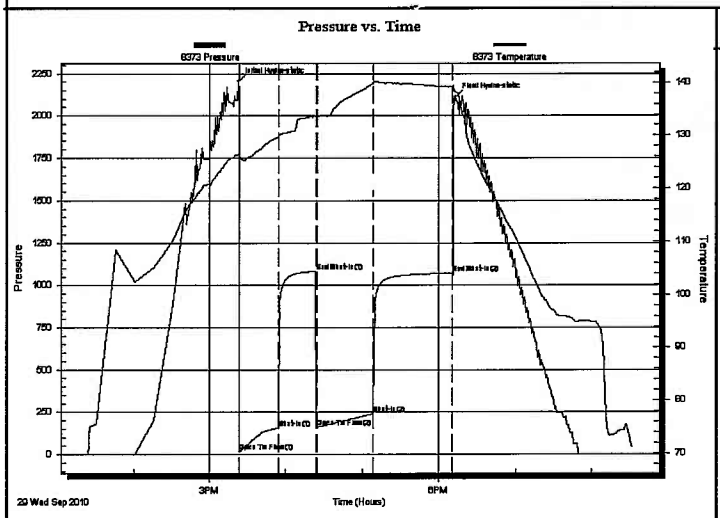
Interval: 4334.00 ft (KB) To 4430.00 ft (KB) (TVD)
Total Depth: 4430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2967.00 ft (KB)
2957.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 242.56 psig @ 4335.00 ft (KB)
Start Date: 2010.09.29 End Date: 2010.09.29
Start Time: 13:24:14 End Time: 20:32:08

Capacity: 8000.00 psig
Last Calib.: 2010.09.29
Time On Btm: 2010.09.29 @ 15:22:54
Time Off Btm: 2010.09.29 @ 18:12:38

TEST COMMENT: IF: 1/4 blow BOB in 24 min.
IS: No return.
FF: Surface blow BOB in 29 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.58	126.35	Initial Hydro-static
1	16.72	125.35	Open To Flow (1)
32	158.80	129.75	Shut-In(1)
61	1081.83	133.62	End Shut-In(1)
62	161.91	133.31	Open To Flow (2)
106	242.56	139.82	Shut-In(2)
168	1070.71	139.10	End Shut-In(2)
170	2112.80	138.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 10%w 90%m	0.61
186.00	mw 50%w 50%m	1.55
216.00	w cm 5%w 95%m	3.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040246 **DST#: 3**

Test Start: 2010.09.29 @ 13:24:14

Tool Information

Drill Pipe:	Length:	4085.00 ft	Diameter:	3.80 inches	Volume:	57.30 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	
					Total Volume:	58.48 bbl	

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	4334.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	96.00 ft
Tool Length:	116.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		75000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	56000.00 lb
	Final	58000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4315.00		
Shut In Tool	5.00			4320.00		
Hydraulic tool	5.00			4325.00		
Packer	5.00			4330.00	20.00	Bottom Of Top Packer
Packer	4.00			4334.00		
Stubb	1.00			4335.00		
Recorder	0.00	8373	Inside	4335.00		
Recorder	0.00	8289	Outside	4335.00		
Perforations	25.00			4360.00		
Change Over Sub	1.00			4361.00		
Drill Pipe	63.00			4424.00		
Change Over Sub	1.00			4425.00		
Bullnose	5.00			4430.00	96.00	Bottom Packers & Anchor
Total Tool Length:	**116.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St ste 900
Denver,CO 80202

ATTN: Gary Doke/ Josh AustiDenver,CO 80202

Dague 7B-1-1932

1-19s-32w Scott,KS

Job Ticket: 040246 **DST#: 3**

Test Start: 2010.09.29 @ 13:24:14

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	40000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

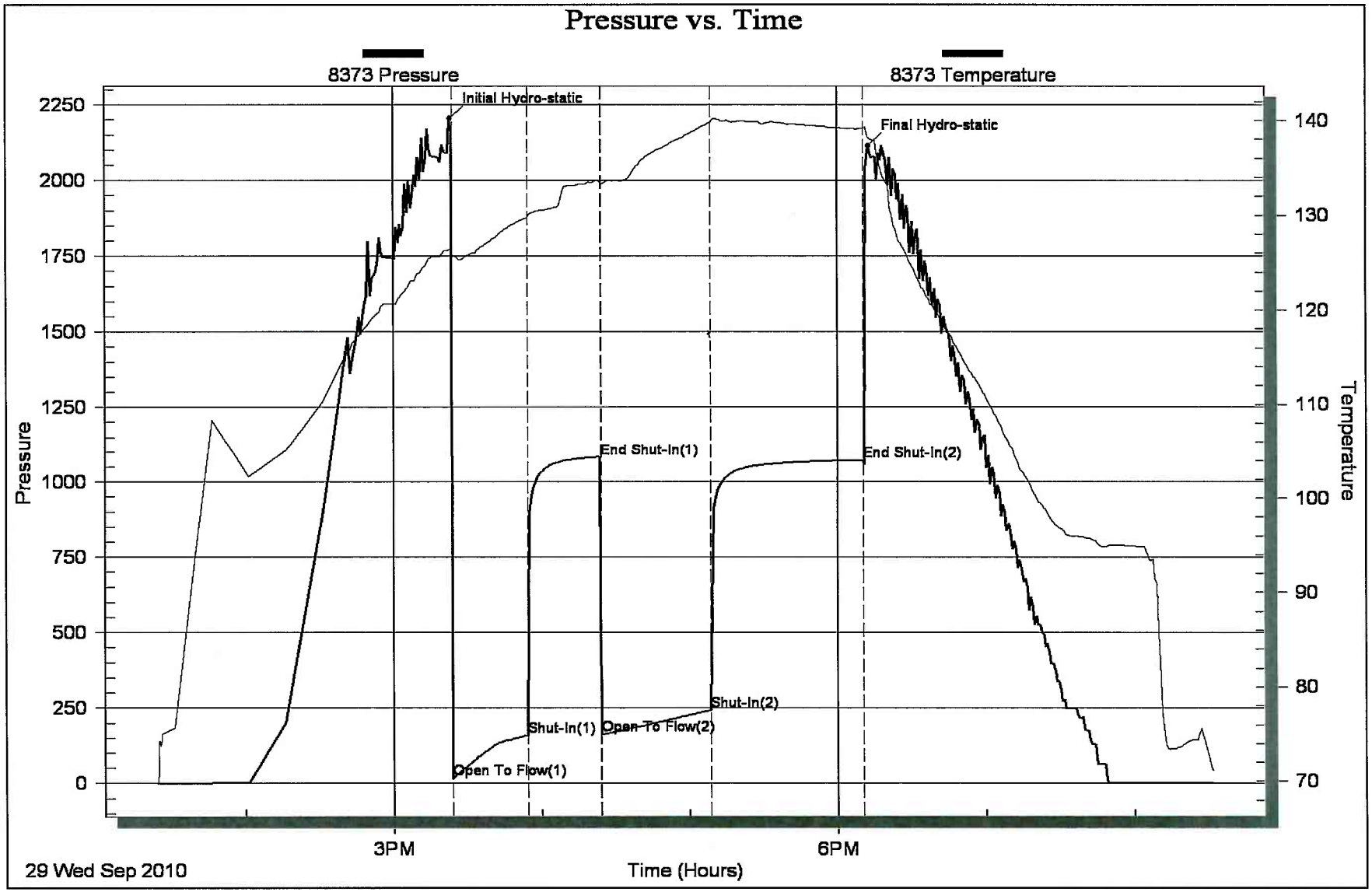
Length ft	Description	Volume bbl
124.00	mcw 10%w 90%m	0.610
186.00	mw 50%w 50%m	1.552
216.00	w cm 5%w 95%m	3.030

Total Length: 526.00 ft Total Volume: 5.192 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .16@80=40000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Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
70
3PM
6PM
29 Wed Sep 2010
Time (Hours)

TRILOBITE TESTING INC.
P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 04 2010

Test Ticket

NO. 040244

4/10

Well Name & No. Dague 7B-1-7932 BY: Test No. 1 Date 9-27-10

Company Finl Natural Resources Elevation 2969 KB 2957 GL

Address 410 17th st ste 900 Denver, Co 80202

Co. Rep / Geo. Gary Doke / Josh Austin Rig Murfin 21

Location: Sec. 1 Twp. 19S Rge. 32W Co. Scott State KS

Interval Tested 4160 4227 Zone Tested Lansing H & I

Anchor Length 67 Drill Pipe Run 3928 Mud Wt. 9.2

Top Packer Depth 4155 Drill Collars Run 240 Vis 52

Bottom Packer Depth 4160 Wt. Pipe Run — WL 7.2

Total Depth 4227 Chlorides 1400 ppm System LCM 4

Blow Description IF: 1/4 blow BoB in 19 min.

IS: No return.

FF: Surface blow BoB in 25 min.

FS: No return.

Rec 129	Feet of Mud	%gas	%oil	%water 100	%mud
Rec 186	Feet of WCM	%gas	%oil 10	%water 90	%mud
Rec 186	Feet of MCW	%gas	%oil 70	%water 30	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 501 BHT 136 Gravity — API RW .27 @ 55 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic 2071	☑ Test 1225.00	T-On Location 20:40
(B) First Initial Flow 18	☐ Jars	T-Started 23:15
(C) First Final Flow 172	☐ Safety Joint	T-Open 1:09
(D) Initial Shut-In 863	☑ Circ Sub N/C	T-Pulled 3:39
(E) Second Initial Flow 173	☐ Hourly Standby	T-Out 6:00
(F) Second Final Flow 240	☑ Mileage 22-27.50	Comments
(G) Final Shut-In 816	☐ Sampler	
(H) Final Hydrostatic 1985	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1252.50
Final Shut-In 45	☐ Accessibility	MP/DST Disc't
	Sub Total 1252.50	

Approved By _____ Our Representative _____

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

RECEIVED OCT 04 2010

Test Ticket

NO. 040245

4/10

Well Name & No. Dague 7B-1-1932 BY: Test No. 2 Date 9-28-10

Company Finl Natural Resources Elevation 2969 KB 2957 GL

Address 410 17th St Ste 900 Denver, Co 80202

Co. Rep / Geo. Gary Doke / Josh Austin Rig Murfin 21

Location: Sec. 1 Twp. 19S Rge. 32W Co. Scott State KS

Interval Tested 4228 4330 Zone Tested Lansing J-K-L

Anchor Length 102 Drill Pipe Run 3988 Mud Wt. 9.2

Top Packer Depth 4223 Drill Collars Run 240 Vis 56

Bottom Packer Depth 4228 Wt. Pipe Run — WL 7.2

Total Depth 4330 Chlorides 1500 ppm System LCM 4

Blow Description IF: 1/4 blow BoB in 8½ min,

ISI: No return,

FF: Suface blow BoB in 13 min.

FSI: No return.

Rec 174	Feet of wcm oil spots	%gas	%oil 10	%water 90	%mud		
Rec 248	Feet of mcw	%gas	%oil 60	%water 40	%mud		
Rec 434	Feet of mcw	%gas	%oil 90	%water 10	%mud		
Rec	Feet of	%gas	%oil	%water	%mud		
Rec	Feet of	%gas	%oil	%water	%mud		

Rec Total 856 BHT 139 Gravity — API RW .122 @ 63 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic	2205	☑ Test	1225.00	T-On Location	15:30
(B) First Initial Flow	27	☐ Jars		T-Started	17:10
(C) First Final Flow	233	☐ Safety Joint		T-Open	18:51
(D) Initial Shut-In	790	☑ Circ Sub	N/C	T-Pulled	21:36
(E) Second Initial Flow	239	☐ Hourly Standby		T-Out	00:00
(F) Second Final Flow	397	☑ Mileage	22 - 27.50	Comments	
(G) Final Shut-In	792	☐ Sampler			
(H) Final Hydrostatic	2017	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	0
Final Flow	~~50~~ 45	☐ Day Standby		Total	1252.50
Final Shut-In	~~120~~ 60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1252.50		

Approved By Our Representative

TRILOBITE TESTING INC.
P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 04 2010
BY:

Test Ticket

NO. 040246

4/10

Well Name & No. Dague 7B-1-1932 Test No. 3 Date 9-29-10

Company Finl Natural Resources Elevation 2967 KB 2957 GL

Address 410 17th st ste 900 Denver, Co 80202

Co. Rep / Geo. Gary Doke / Josh Austin Rig Murfin 21

Location: Sec. 1 Twp. 19S Rge. 32W Co. Scott State KS

Interval Tested 4334 4430 Zone Tested Marmaton

Anchor Length 96 Drill Pipe Run 4085 Mud Wt. 9.2

Top Packer Depth 4329 Drill Collars Run 240 Vis 53

Bottom Packer Depth 4334 Wt. Pipe Run — WL 7.6

Total Depth 4430 Chlorides 2200 ppm System LCM 4

Blow Description IFP: 1/4 blow BoB in 24 min.
ISI: No return.
FFP: Surface blow BoB in 29 min.
FSI: No return.

Rec	216	Feet of	wcm	%gas	%oil	5	%water	95 %mud
Rec	186	Feet of	mw	%gas	%oil	50	%water	50 %mud
Rec	124	Feet of	mcw	%gas	%oil	90	%water	10 %mud
Rec		Feet of		%gas	%oil		%water	%mud
Rec		Feet of		%gas	%oil		%water	%mud

Rec Total 526 BHT 139 Gravity — API RW .16 @ 80 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic	2202	☑ Test	1225.00	T-On Location	12:15
(B) First Initial Flow	16	☐ Jars		T-Started	13:24
(C) First Final Flow	158	☐ Safety Joint		T-Open	15:23
(D) Initial Shut-In	1081	☑ Circ Sub	N/C	T-Pulled	18:11
(E) Second Initial Flow	161	☐ Hourly Standby		T-Out	20:35
(F) Second Final Flow	242	☑ Mileage	22-27.50	Comments	
(G) Final Shut-In	1070	☐ Sampler	5		
(H) Final Hydrostatic	2117	☐ Straddle			
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	30	☐ Extra Recorder		☐ Extra Copies	
Final Flow	45	☐ Day Standby		Sub Total	0
Final Shut-In	60	☐ Accessibility		Total	1252.50
		Sub Total	1252.50	MP/DST Disc't	

Approved By Gary Doke Our Representative

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.