



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1101860
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1101860

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 05, 2012

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

Re: ACO1
API 15-101-22387-00-00
Luebbers 12-15-2027
SW/4 Sec.15-20S-27W
Lane 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



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 132346

Invoice Date: Aug 16, 2012

Page: 1



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Lubbers #12-15-2027	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 16, 2012	9/15/12

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
264.42	SER	Cubic Feet	2.10	555.28
953.60	SER	Ton Mileage	2.35	2,240.96
1.00	SER	Surface	1,125.00	1,125.00
74.85	SER	Extra Footage	0.95	71.11
80.00	SER	Pump Truck Mileage	7.00	560.00
80.00	SER	Light Vehicle Mileage	4.00	320.00
3.00	EQP	8.5/8 Centralizer	64.00	192.00
1.00	SER	Manifold Rental	200.00	200.00
1.00	JOB DISC	Job Discount If paid by 9/16/12	1,958.88	-1,958.88
1.00	CEMENTER	Darren Racette		
1.00	CEMENTER	Terry Heinrich		
1.00	OPER ASSIST	Adam Holcomb		

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

\$

ONLY IF PAID ON OR BEFORE
Sep 10, 2012

Subtotal	7,835.52
Sales Tax	297.49
Total Invoice Amount	8,133.01
Payment/Credit Applied	
TOTAL	8,133.01

ALLIED OIL & GAS SERVICES, LLC 056672

Federal Tax I.D.# 20-5975804

REMIT TO PO. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <i>8-16-12</i>	SEC. <i>15</i>	TWP. <i>20</i>	RANGE <i>27</i>	CALLED OUT	ON LOCATION <i>3:00 Pm</i>	JOB START <i>6:15 Pm</i>	JOB FINISH <i>6:45 Pm</i>
LEASE <i>Lubbers</i>	WELL # <i>12-15-2027</i>	LOCATION <i>Dighton E To Turkey Red Rd</i>			COUNTY <i>Lane</i>	STATE <i>Ks.</i>	
OLD OR <u>NEW</u> (Circle one)		<i>STO</i>					

CONTRACTOR *H2 #1*
 TYPE OF JOB *Surface*
 HOLE SIZE *12 1/4* T.D. *375'*
 CASING SIZE *8 5/8* DEPTH *374.85'*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *15'*
 PERFS.
 DISPLACEMENT *28.50 bbls*

OWNER *Same*
 CEMENT
 AMOUNT ORDERED *240 SKs Com 3% CC*
2% Gel

EQUIPMENT
 PUMP TRUCK CEMENTER *Darren Racette*
 # *422* HELPER *Terry Heinrich*
 BULK TRUCK
 # *347* DRIVER *Adam Holcomb*
 BULK TRUCK
 # DRIVER

COMMON	<i>240 SKs</i>	@ <i>16.25</i>	<i>\$ 3900.00</i>
POZMIX		@	
GEL	<i>5 SKs</i>	@ <i>21.25</i>	<i>\$ 106.25</i>
CHLORIDE	<i>9 SKs</i>	@ <i>58.20</i>	<i>\$ 523.80</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>264.82 x</i>	@ <i>2.12</i>	<i>\$ 555.28</i>
MILEAGE	<i>11.82 x 80 x</i>	@ <i>2.35</i>	<i>\$ 2240.76</i>
TOTAL			<i>\$ 7326.29</i>

REMARKS:

Mix 240 SKs Cement
Displace with water
Cement Did Circulate

Thank You.

SERVICE

DEPTH OF JOB	<i>374.85'</i>		
PUMP TRUCK CHARGE			<i>\$ 1125.00</i>
EXTRA FOOTAGE	<i>74.85</i>	@ <i>.95</i>	<i>\$ 71.11</i>
MILEAGE	<i>80</i>	@ <i>7.00</i>	<i>\$ 560.00</i>
MANIFOLD		@	<i>\$ 200.00</i>
<i>LV Mileage</i>		@ <i>4.00</i>	<i>\$ 320.00</i>
		@	

TOTAL *\$ 2276.11*

PLUG & FLOAT EQUIPMENT

<i>3 Centralizer</i>	@ <i>64.00</i>	<i>\$ 192.00</i>
	@	
	@	
	@	
	@	

TOTAL *\$ 192.00*

To: Allied Oil & Gas Services, 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 *9,794.40*

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME *Gary Dole*

SIGNATURE *Gary Dole*



PO Box 93999
 Southlake, TX 76092

Voice: (817) 546-7282
 Fax: (817) 246-3361

INVOICE

Invoice Number: 132456

Invoice Date: Aug 23, 2012

Page: 1



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
FIML	Lubbers #12-15-2027	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 23, 2012	9/22/12

Quantity	Item	Description	Unit Price	Amount
615.00	MAT	Lightweight Type II	14.50	8,917.50
154.00	MAT	Flo Seal	2.70	415.80
3,075.00	MAT	Gilsonite	0.89	2,736.75
757.29	SER	Cubic Feet	2.10	1,590.31
2,414.40	SER	Ton Mileage	2.35	5,673.86
1.00	SER	Production - Top Stage - No Charge		
80.00	SER	Pump Truck Mileage -- No Charge		
80.00	SER	Light Vehicle Mileage -- No Charge		
1.00	JOB DISC	Job Discount if paid by 9/23/12	3,866.84	-3,866.84
1.00	CEMENTER	LaRene Wentz		
1.00	CEMENTER	Darren Racette		
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Brandon Wilkinson		
1.00	OPER ASSIST	D J Gray		

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

\$

ONLY IF PAID ON OR BEFORE
Sep 17, 2012

Subtotal	15,467.38
Sales Tax	760.41
Total Invoice Amount	16,227.79
Payment/Credit Applied	
TOTAL	16,227.79

ALLIED OIL & GAS SERVICES, LLC 056306

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Dakley, Ks
8-24-12

DATE <i>8-23-12</i>	SEC. <i>15</i>	TWP. <i>20</i>	RANGE <i>27</i>	CALLED OUT	ON LOCATION <i>4:50 pm</i>	JOB START <i>2:00 am</i>	JOB FINISH <i>3:00 am</i>
EASE <i>Hubbers</i>	WELL# <i>12-15-2020</i>	LOCATION <i>Dighton 9E, 11S, E into</i>			COUNTY <i>Lane</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H2 #1*

TYPE OF JOB *Production - Top stage*

HOLE SIZE *7 7/8* T.D. *4595'*

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

FOOL *00* DEPTH *3018.58*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *71.84661*

EQUIPMENT

OWNER *same*

CEMENT

AMOUNT ORDERED *615 sks Lite*

1/4# flo-seal 5# gilsomite

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

<i>Lite Typeest 615 sks</i>	@	<i>14.50</i>	<i>8917.50</i>
<i>flo-seal 154#</i>	@	<i>2.70</i>	<i>415.80</i>
<i>gilsomite 3075#</i>	@	<i>.89</i>	<i>2736.75</i>
	@		
	@		
HANDLING <i>757.27 #43</i>	@	<i>2.10</i>	<i>1590.31</i>
MILEAGE <i>3018 hrs x 80 x</i>		<i>2.35</i>	<i>5673.86</i>
TOTAL			<i>19334.22</i>

PUMP TRUCK CEMENTER *Lakene Wantz*

431 HELPER *Darren Racette*

BULK TRUCK

373/308 DRIVER *Adam Holcomb*

BULK TRUCK

396/306 DRIVER *Brandon Wilkinson*

347 *D.J. Gray*

REMARKS:

Plug MH- 26 sks

plug RH- 30 sks

mix 570 sks Lite down casing

Displace with water

hand plug 2000 # float held

Cement did circulate

Thank you

SERVICE

DEPTH OF JOB *3018.58*

PUMP TRUCK CHARGE *NC*

EXTRA FOOTAGE @

MILEAGE *80* @

MANIFOLD *80* @

TOTAL *NC*

CHARGE TO: *FFML*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

To: Allied Oil & Gas Services, 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 Dote*

SIGNATURE *Gary Dote*

SALES TAX (if Any)

TOTAL CHARGES *19,334.22*

DISCOUNT IF PAID IN 30 DAYS



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 132455
Invoice Date: Aug 23, 2012
Page: 1



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Lubbers #12-15-2027	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 23, 2012	9/22/12

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	21.25	85.00
225.00	MAT	ASC	19.00	4,275.00
21.00	MAT	Salt	23.95	502.95
1,125.00	MAT	Gilsonite	0.89	1,001.25
56.00	MAT	Flo Seal	2.70	151.20
500.00	MAT	Super Flush	1.27	635.00
289.99	SER	Cubic Feet	2.10	608.98
1,003.20	SER	Ton Mileage	2.35	2,357.52
1.00	SER	Production -- Bottom Stage	2,405.00	2,405.00
80.00	SER	Pump Truck Mileage	7.00	560.00
1.00	SER	Manifold Head Rental	250.00	250.00
80.00	SER	Light Vehicle Mileage	4.00	320.00
1.00	EQP	5.5 D V Tool	4,921.00	4,921.00
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	JOB DISC	Job Discount if paid by 9/23/12	4,222.38	-4,222.38
1.00	CEMENTER	LaRene Wentz		
1.00	CEMENTER	Darren Racette		
1.00	OPER ASSIST	D J Gray		

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

\$

ONLY IF PAID ON OR BEFORE
Sep 17, 2012

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



PO Box 93999
 Southlake, TX 76092

Voice: (817) 546-7282
 Fax: (817) 246-3361

INVOICE

Invoice Number: 132455
 Invoice Date: Aug 23, 2012
 Page: 2



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Lubbers #12-15-2027	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 23, 2012	9/22/12

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Brandon Wilkinson		
1.00	OPER ASSIST	Adam Holcomb		

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

\$

ONLY IF PAID ON OR BEFORE
Sep 17, 2012

Subtotal	16,889.52
Sales Tax	920.46
Total Invoice Amount	17,809.98
Payment/Credit Applied	
TOTAL	17,809.98

ALLIED OIL & GAS SERVICES, LLC 056305

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Dakley, KS

DATE <i>8-23-12</i>	SEC. <i>15</i>	TWP. <i>20</i>	RANGE <i>27</i>	CALLED OUT	ON LOCATION <i>4:00 pm</i>	JOB START <i>7:00 pm</i>	JOB FINISH <i>10:00 pm</i>
LEASERS <i>Leibbers</i>	WELL # <i>12-15-2027</i>	LOCATION <i>Dighton, 9E, 11S, E20</i>			COUNTY <i>Lane</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H2 #1*
 TYPE OF JOB *Production Bottom Stage*
 HOLE SIZE *2 7/8* T.D. *4595'*
 CASING SIZE *5 1/2* DEPTH *4587.23*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL *DU* DEPTH *3018.58*
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *19.90*
 CEMENT LEFT IN CSG. *17.90*
 PERFS.
 DISPLACEMENT *108.71 bbl*

OWNER *Same*
 CEMENT
 AMOUNT ORDERED *225 sks ASC 108 gal salt*
220 gal 5# gilsonite, 1/4# No-seal

EQUIPMENT
 PUMP TRUCK # *431* CEMENTER *LaRang Wentz*
 HELPER *Darren Racette*
 BULK TRUCK # *377* DRIVER *D.J. Gray*
 BULK TRUCK # *376/306* DRIVER *Braudon Wilkinson*
373/308 Adam Halcomb

COMMON	@		
POZMIX	@		
GEL	@	<i>21.25</i>	<i>85.00</i>
CHLORIDE	@		
ASC	@	<i>225 sks</i>	<i>19.00 4275.00</i>
	@		
<i>salt</i>	@	<i>2150</i>	<i>23.75 502.95</i>
<i>gilsonite</i>	@	<i>1123 #</i>	<i>.89 1001.25</i>
<i>No-seal</i>	@	<i>56 #</i>	<i>2.70 151.20</i>
	@		
<i>Superflush</i>	@	<i>500 gal</i>	<i>1.27 635.00</i>
	@		
HANDLING	@	<i>289.79 sks</i>	<i>2.10 608.98</i>
MILEAGE	@	<i>12.54 tank 80x 2.38</i>	<i>2357.52</i>
			TOTAL <i>966.90</i>

REMARKS:
pump water spacer, mix super flush, pump
water spacer, mix 225 sks ASC,
Displace with water & mud,
Load plug # float hold
Open Bottom #
Circulate 4 hrs.

Thank you.

SERVICE
 DEPTH OF JOB *4587.23*
 PUMP TRUCK CHARGE *2405.00*
 EXTRA FOOTAGE @
 MILEAGE *80* @ *7.00 560.00*
 MANIFOLD head @ *250.00*
L.O. mileage @ *4.00 320.00*
 @

CHARGE TO: *FFML*
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL *3535.00*

To: Allied Oil & Gas Services, 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.

PLUG & FLOAT EQUIPMENT
DU tool *4921.00*
Secure Seal float shoe @ *520.00*
Secure seal float collar @ *620.00*
25 Centralizers @ *49.00 1225.00*
2) Baskets @ *337.00 674.00*
 @
 TOTAL *7760.00*

PRINTED NAME _____
 SIGNATURE *Gary D. [Signature]*

SALES TAX (If Any) _____
 TOTAL CHARGES *21,111.90*
 DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC.**

410 17th. St. STE 900
Denver CO. 80202+4420

ATTN: Kurt Talbolt

Luebbers #12-15-2027

15-20s-27w Lane,KS

Start Date: 2012.08.21 @ 15:45:00

End Date: 2012.08.21 @ 22:54:30

Job Ticket #: 49396 DST #: 1

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

Printed: 2012.08.24 @ 16:27:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FIML Natural Resources LLC.

15-20s-27w Lane, KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

ATTN: Kurt Talbolt

Job Ticket: 49396

DST#: 1

Test Start: 2012.08.21 @ 15:45:00

GENERAL INFORMATION:

Formation: **Miss. Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:20:30

Time Test Ended: 22:54:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Troy Leiker

Unit No: #44

Interval: **4470.00 ft (KB) To 4515.00 ft (KB) (TVD)**

Reference Elevations: 2618.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

2608.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8321 Inside

Press @ Run Depth: 83.10 psig @ 4505.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.21

End Date: 2012.08.21

Last Calib.: 2012.08.22

Start Time: 15:45:01

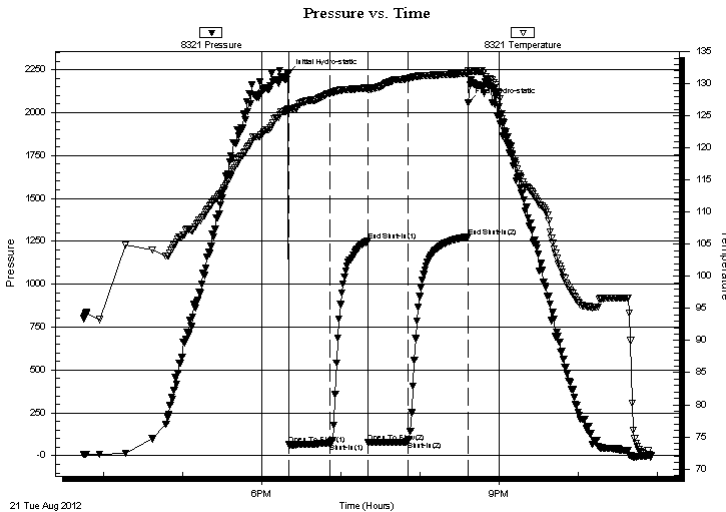
End Time: 22:54:30

Time On Btm: 2012.08.21 @ 18:20:00

Time Off Btm: 2012.08.21 @ 20:36:30

TEST COMMENT: IF 30 Weak Blow , Died in 28 min.
IS 30 No Blow Back
FF 30 Surge of Air When Tool Opened, No Blow After That
FS 45 No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.67	126.06	Initial Hydro-static
1	65.22	126.05	Open To Flow (1)
32	73.67	128.52	Shut-In(1)
60	1250.71	129.36	End Shut-In(1)
61	76.86	129.10	Open To Flow (2)
91	83.10	130.86	Shut-In(2)
136	1276.49	131.67	End Shut-In(2)
137	2058.60	132.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil Spotted Mud 2%o 98%m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources LLC.

15-20s-27w Lane, KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

Job Ticket: 49396

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2012.08.21 @ 15:45:00

Tool Information

Drill Pipe:	Length: 4110.00 ft	Diameter: 3.80 inches	Volume: 57.65 bbl	Tool Weight: 2500.00 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: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4470.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			4451.00	
Shut In Tool	5.00			4456.00	
Hydraulic tool	5.00			4461.00	
Packer	4.00			4465.00	20.00 Bottom Of Top Packer
Packer	5.00			4470.00	
Stubb	1.00			4471.00	
Perforations	1.00			4472.00	
Change Over Sub	1.00			4473.00	
Drill Pipe	31.00			4504.00	
Change Over Sub	1.00			4505.00	
Recorder	0.00	8321	Inside	4505.00	
Recorder	0.00	8737	Outside	4505.00	
Perforations	7.00			4512.00	
Bullnose	3.00			4515.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources LLC.

15-20s-27w Lane, KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

Job Ticket: 49396

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2012.08.21 @ 15:45:00

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:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

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
15.00	Oil Spotted Mud 2%o 98%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

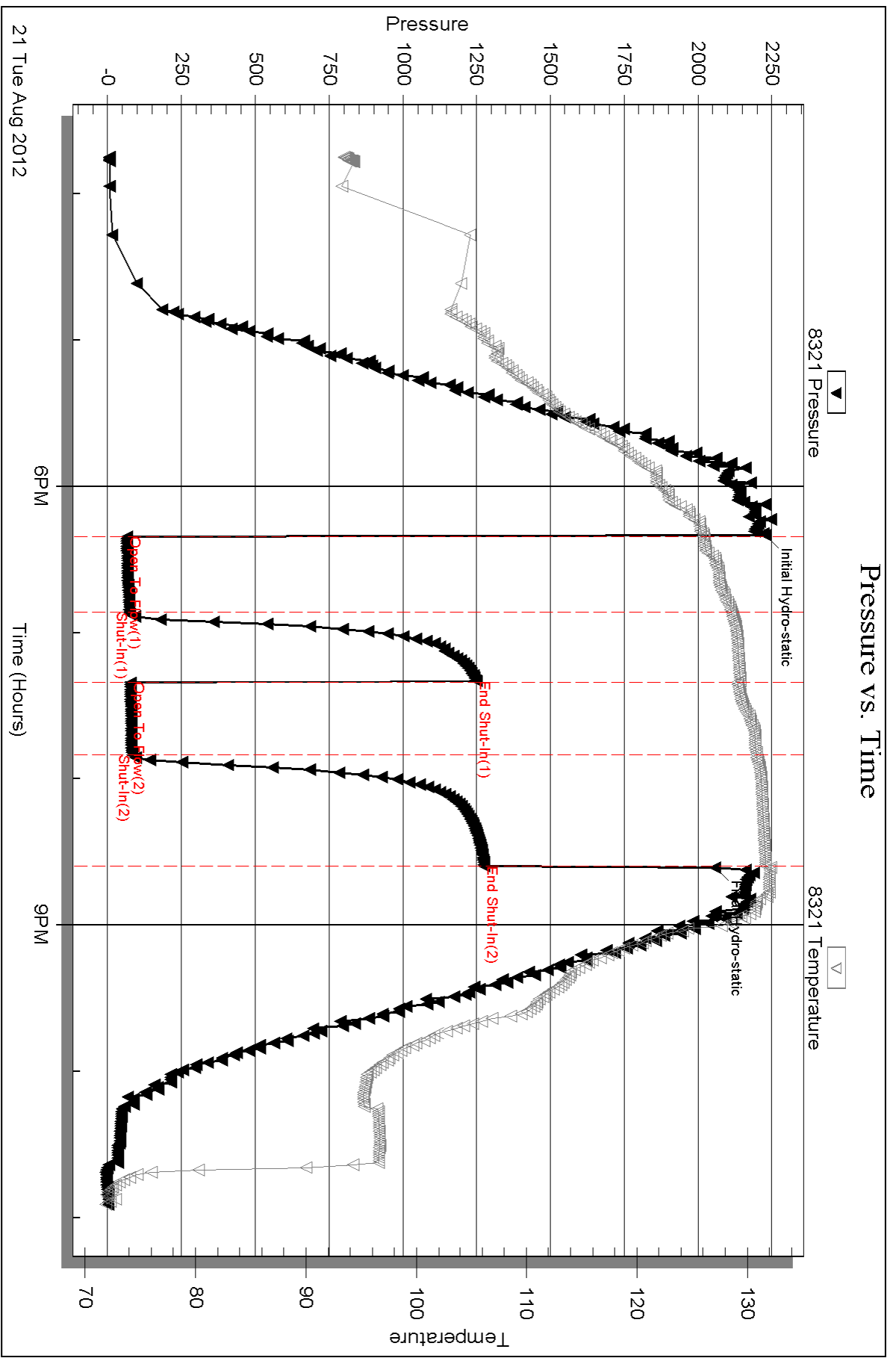
Num Gas Bombs: 0

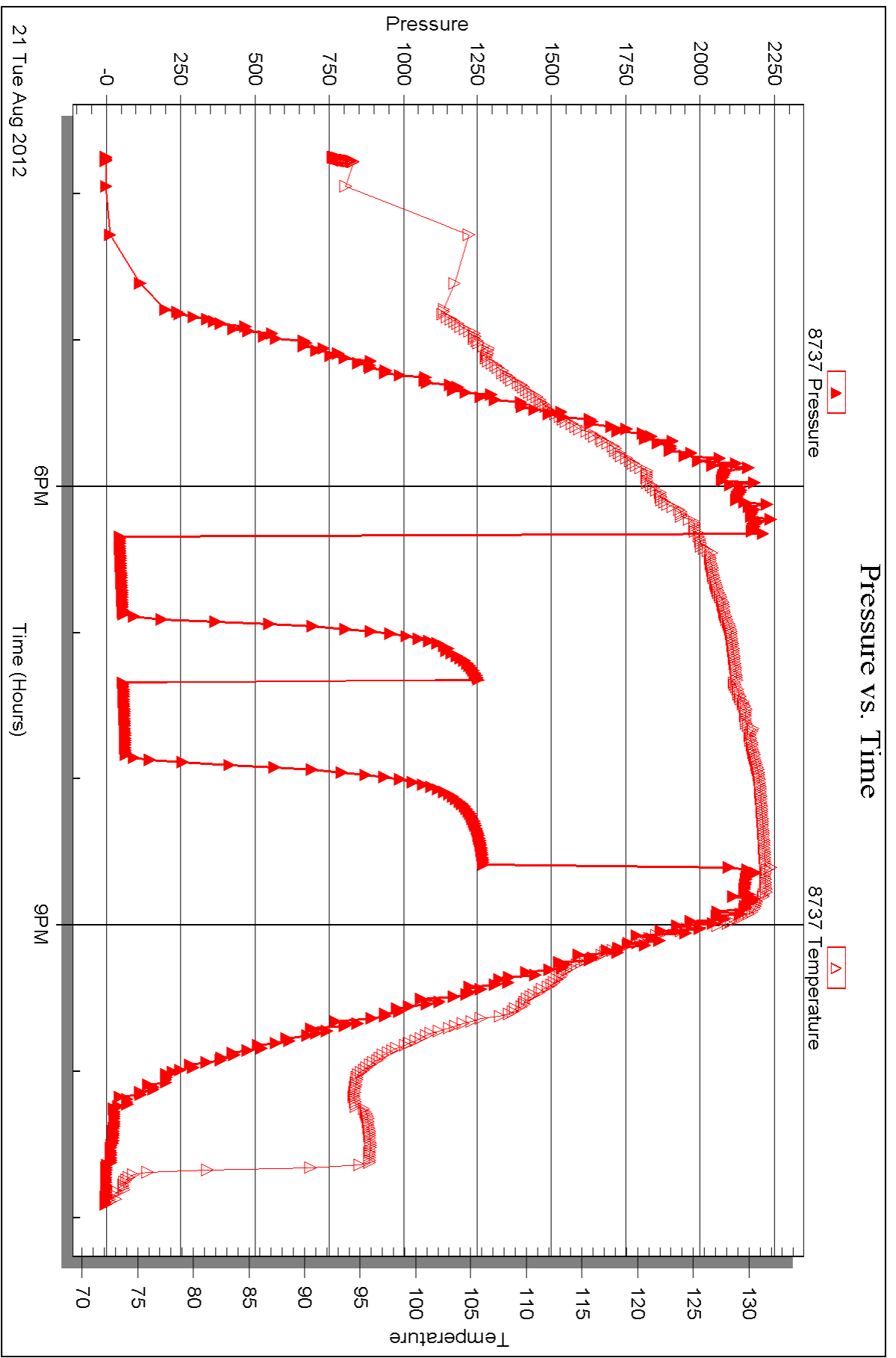
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC.**

410 17th. St. STE 900
Denver CO. 80202+4420

ATTN: Kurt Talbolt

Luebbers #12-15-2027

15-20s-27w Lane,KS

Start Date: 2012.08.22 @ 05:11:00

End Date: 2012.08.22 @ 15:52:00

Job Ticket #: 49397 DST #: 2

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

Printed: 2012.08.24 @ 16:26:32



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FIML Natural Resources LLC.

15-20s-27w Lane, KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

ATTN: Kurt Talbolt

Job Ticket: 49397

DST#: 2

Test Start: 2012.08.22 @ 05:11:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:57:00

Time Test Ended: 15:52:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Troy Leiker

Unit No: #44

Interval: **4510.00 ft (KB) To 4522.00 ft (KB) (TVD)**

Reference Elevations: 2618.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

2608.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8679 Outside

Press @ Run Depth: 1286.97 psig @ 4511.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.22

End Date: 2012.08.22

Last Calib.: 2012.08.22

Start Time: 05:11:01

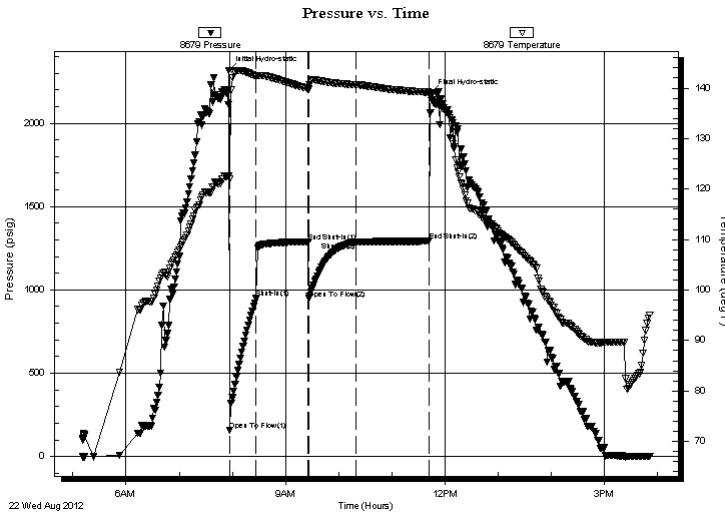
End Time: 15:52:00

Time On Btm: 2012.08.22 @ 07:56:00

Time Off Btm: 2012.08.22 @ 11:44:00

TEST COMMENT: IF 30 Very Strong Blow off Bottom in 1 min.
IS 60 Increasing Blow to 1" Then Decreasing to 1/2"
FF 45 Very Strong Blow off Bottom in 1 min.
FS 90 Very Weak on Top of Bkt, Then Died

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.14	122.62	Initial Hydro-static
1	157.62	121.95	Open To Flow (1)
31	948.79	142.33	Shut-In(1)
90	1289.59	139.91	End Shut-In(1)
90	947.94	139.73	Open To Flow (2)
144	1286.97	140.72	Shut-In(2)
227	1292.39	139.16	End Shut-In(2)
228	2180.80	138.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Gas In Pipe	1.48
3450.00	Clean Gassy Oil 20%g 80%o	47.77
50.00	Clean Gassy Oil 10%g 90%o	0.70

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources LLC.

15-20s-27w Lane,KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

Job Ticket: 49397

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2012.08.22 @ 05:11:00

Tool Information

Drill Pipe:	Length: 4141.00 ft	Diameter: 3.80 inches	Volume: 58.09 bbl	Tool Weight: 2500.00 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: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 59.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4510.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4491.00	
Shut In Tool	5.00			4496.00	
Hydraulic tool	5.00			4501.00	
Packer	4.00			4505.00	20.00 Bottom Of Top Packer
Packer	5.00			4510.00	
Stubb	1.00			4511.00	
Recorder	0.00	8321	Inside	4511.00	
Recorder	0.00	8679	Outside	4511.00	
Perforations	8.00			4519.00	
Bullnose	3.00			4522.00	12.00 Bottom Packers & Anchor
Total Tool Length:	32.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources LLC.

15-20s-27w Lane,KS

410 17th. St. STE 900
Denver CO. 80202+4420

Luebbers #12-15-2027

Job Ticket: 49397

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2012.08.22 @ 05:11:00

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:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

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 bbbl
300.00	Gas In Pipe	1.475
3450.00	Clean Gassy Oil 20%g 80%o	47.766
50.00	Clean Gassy Oil 10%g 90%o	0.701

Total Length: 3800.00 ft Total Volume: 49.942 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

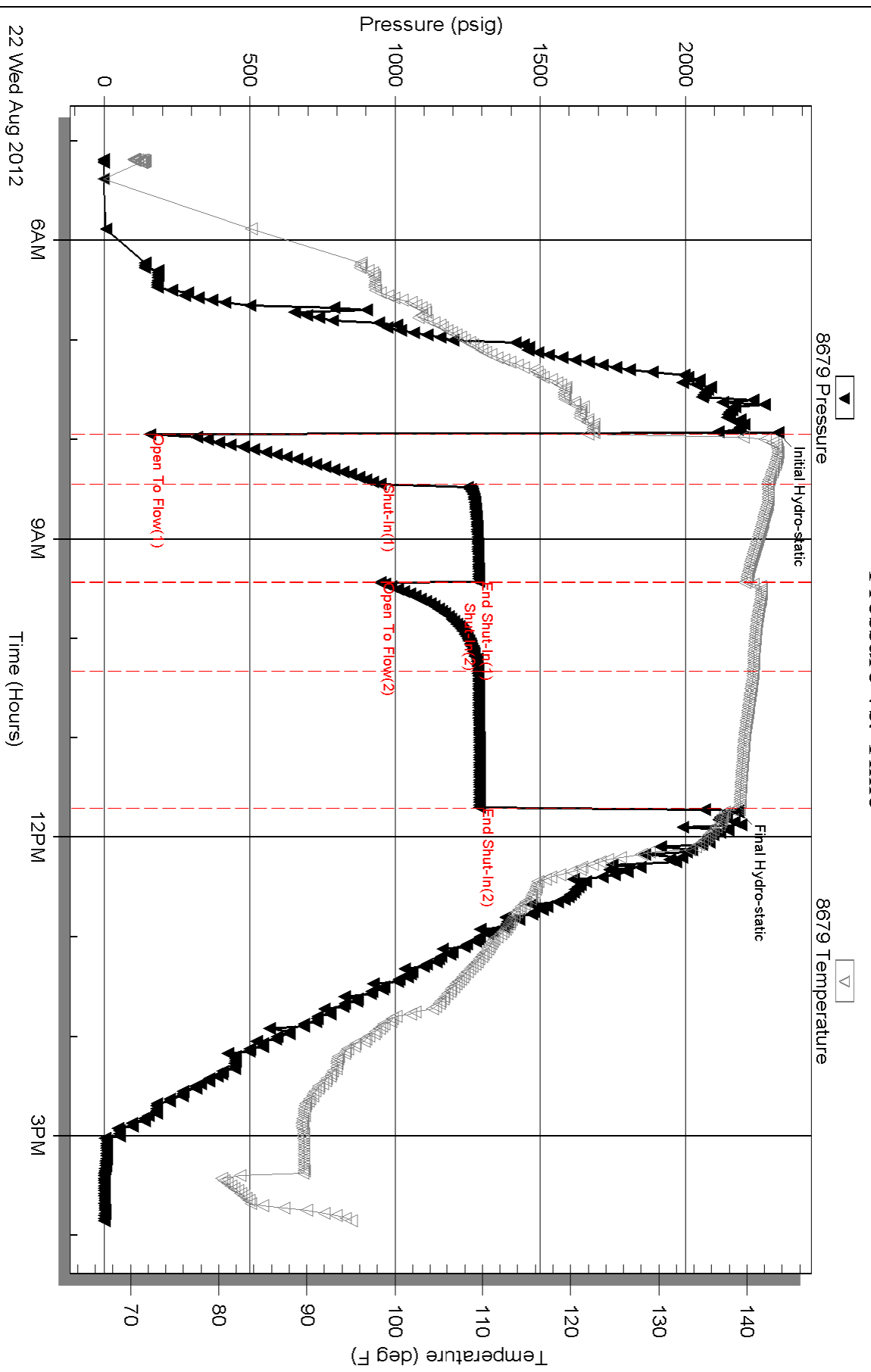
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



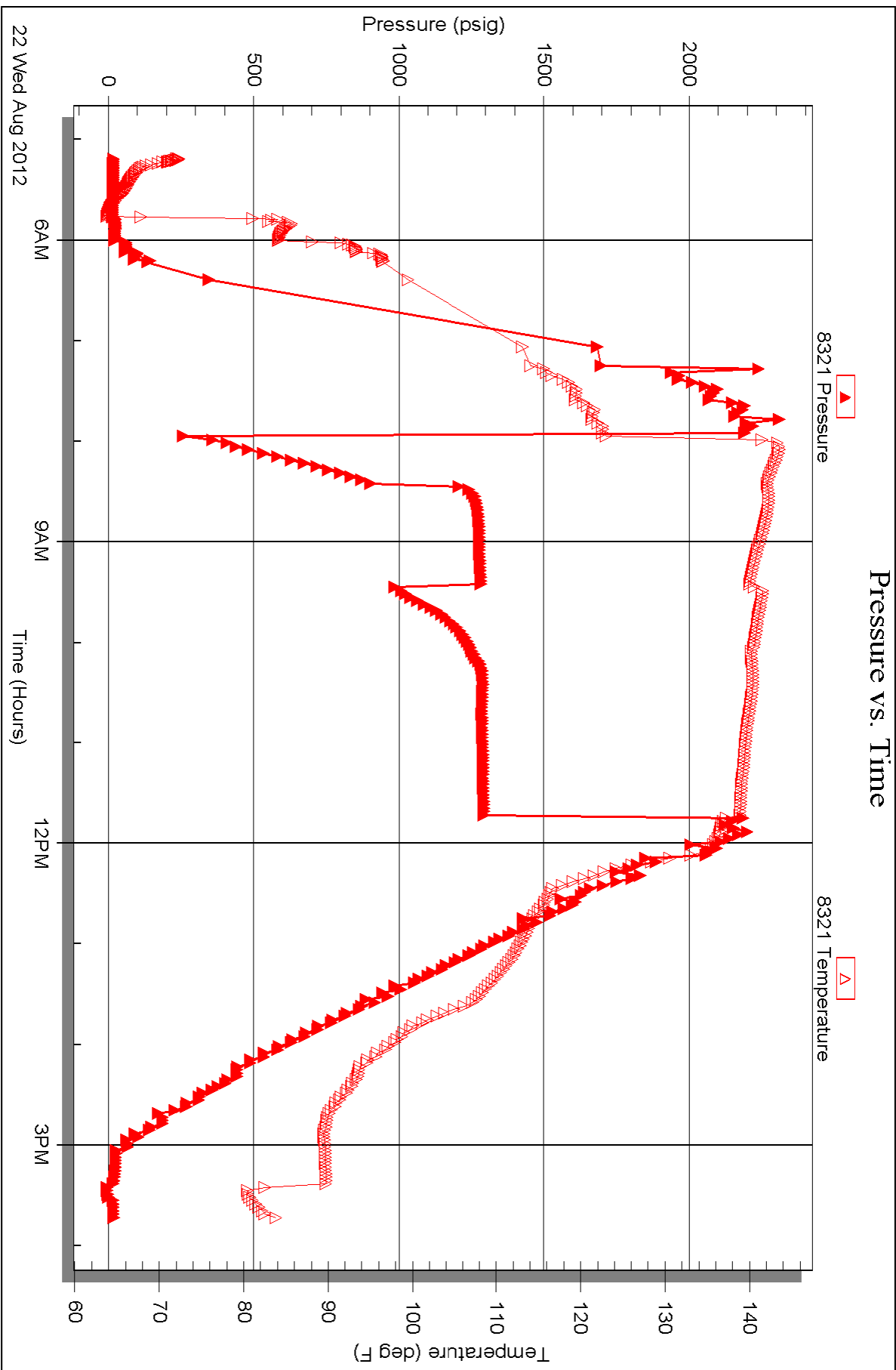
Serial #: 8321

Inside

FIML Natural Resources LLC

Luebbers #12-15-2027

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49396

4/10

Well Name & No. Luebbers #12-15-2027 Test No. 1 Date 8-21-12
 Company FIML Natural Resources, LLC Elevation 2618 KB 2608 GL
 Address 410 17th St. STE 900 Denver, CO. 80202+4420
 Co. Rep / Geo. Kurt Talbot Rig H2 Drly LLC Rig #1
 Location: Sec. 15 Twp. 20 S Rge. 27 E Co. Lane State KS.

Interval Tested 4470 - 4515 Zone Tested Miss Osage
 Anchor Length 45' Drill Pipe Run ~~4110~~ 4110 Mud Wt. 9.2
 Top Packer Depth 4465 Drill Collars Run 369 Vis 64
 Bottom Packer Depth 4470 Wt. Pipe Run 0 WL 7.6
 Total Depth 4515 Chlorides 3600 ppm System LCM 2

Blow Description 1st Flow - Weak Blow on top of BKT, Die in 28 min.
1st Shut - NO Blow Back
2nd Flow - Surge when tool opened, NO Blow after that.
2nd Shut - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>Oil Spotted Mud</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 93° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2228 Test 1250 T-On Location 11:30 Am
 (B) First Initial Flow 65 Jars _____ T-Started 3:45 pm
 (C) First Final Flow 73 Safety Joint _____ T-Open 6:20 pm
 (D) Initial Shut-In 1250 Circ Sub _____ T-Pulled 8:35 pm
 (E) Second Initial Flow 76 Hourly Standby _____ T-Out 10:55 pm
 (F) Second Final Flow 83 Mileage 110 x 2 Hays ~~88rt 136.40~~ Comments _____
 (G) Final Shut-In 1276 Sampler _____
 (H) Final Hydrostatic 2058 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1536.40
 Accessibility Steps 150 MP/DST Disc't _____
 Sub Total 1536.40

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

Test Ticket

NO. 49397

Well Name & No. Luebbers #12-15-2027 Test No. 2 Date 8-22-12
 Company FI ML Natural Resources, LLC Elevation 2618 KB 2608 GL
 Address 410 17th St. STE 900 Denver, CO. 80202 + 4420
 Co. Rep / Geo. Kurt Talbot Rig H2 Drilg. LLC Rig #1
 Location: Sec. 15 Twp. 20S Rge. 27E Co. Lane State KS.

Interval Tested 4510 - 4522 Zone Tested Mississippi
 Anchor Length 12' Drill Pipe Run 4141 Mud Wt. 9.2
 Top Packer Depth 4505 Drill Collars Run 369 Vis 64
 Bottom Packer Depth 4510 Wt. Pipe Run 0 WL 7.6
 Total Depth 4522 Chlorides 3600 ppm System LCM 2

Blow Description 1st Flow - Very Strong Blow, OFF Bottom in 1 min.
1st Shut - Increased to 1" then decreased to 1/2" in BKT.
2nd Flow - Very Strong Blow, OFF Bottom in 1 min.
2nd Shut - Very weak on Top of BKT, then DIED OFF

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>Gas in Pipe</u>				
<u>50'</u>	<u>clean oil</u>	<u>10</u>	<u>90</u>		
<u>3450'</u>	<u>clean oil</u>	<u>20</u>	<u>80</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3800 BHT 71 Gravity _____ API RW 38 @ 60 ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2317 Test 1250 T-On Location 1:00 AM
 (B) First Initial Flow 157 Jars _____ T-Started 5:11 AM
 (C) First Final Flow 948 Safety Joint _____ T-Open 7:58 AM
 (D) Initial Shut-In 1289 Circ Sub _____ T-Pulled 11:43 AM
 (E) Second Initial Flow 947 Hourly Standby 5hrs 500 T-Out 15:52
 (F) Second Final Flow 1286 Mileage 110x2 Hays 136.40 Comments _____
 (G) Final Shut-In 1292 Sampler _____
 (H) Final Hydrostatic 2180 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90
 Accessibility Steps 150
 Sub Total 2036.40
 Sub Total 2036.40
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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