



**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: \_\_\_\_\_



1066378

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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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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 (Specify) _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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CEMENTING CO, LLC  
Cementing & Acidizing Services

PO BOX 31 Russell, KS 67665



# INVOICE

Invoice Number: 127852

Invoice Date: Jul 14, 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

Customer ID	Well Name# or Customer P.O	Payment Terms
FIML	Preninger#9D-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Jul 14, 2011
		Due Date
		8/13/11

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
8.00	MAT	Chloride	58.20	465.60
253.00	SER	Handling	2.25	569.25
58.00	SER	Mileage 253 sx @ .11 per sk per mi	27.83	1,614.14
1.00	SER	Surface	1,125.00	1,125.00
78.00	SER	Extra Footage	0.95	74.10
116.00	SER	Pump truck Mileage	7.00	812.00
1.00	SER	Manifold & Head Rental	200.00	200.00
116.00	SER	Light Vehicle Mileage	4.00	464.00
1.00	EQP	8 5/8 Fiber Baffle Plaste	175.00	175.00
3.00	EQP	8 5/8 Centralizer	64.00	192.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Chris Helpingstine		

*8160-145*  
*Almond, BL*  
*Blind*

Subtotal	9,789.34
Sales Tax	359.95
Total Invoice Amount	10,149.29
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,149.29</b>

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

\$ **1957.84**  
ONLY IF PAID ON OR BEFORE  
Aug 8, 2011

*8191.43*

# ALLIED CEMENTING CO., LLC. 039976

Federal Tax I.D. # 20-5975804

REMIT TO PO BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Oakley, K1

DATE <u>7/14/11</u>	SEC <u>30</u>	TWP <u>18</u>	RANGE <u>31</u>	CALLER OUT	ON LOCATION	JOB START COUNTY <u>P. Polk</u>	JOB FINISH STATE <u>Mo</u>
LEASE <u>Proton in gas</u>	WELL # <u>9-0</u>	LOCATION <u>South City PE</u>				COUNTY <u>Scott</u>	STATE <u>Mo</u>
OLD OR NEW <u>(circle one)</u>							

CONTRACTOR H2 Surface OWNER Stone

TYPE OF JOB	T.D.	328'
HOLE SIZE <u>12 1/4</u>	DEPTH	378'
CASING SIZE <u>8 3/8</u>	DEPTH	
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT	
CEMENT LEFT IN CSG. <u>15'</u>		
PERFS.		
DISPLACEMENT <u>21.5</u>		
EQUIPMENT		

PUMP TRUCK	CEMENTER	<u>Star</u>
# <u>482</u>	HELPER	<u>Wayne</u>
BULK TRUCK	DRIVER	<u>Chris</u>
# <u>394</u>		
BULK TRUCK	DRIVER	
#		

REMARKS:  
Drill Hole, Run Log Circulate

<u>Mix Cement, Displace Plug</u>	DEPTH OF JOB	
<u>W/ 40L 420</u>	PUMP TRUCK CHARGE	<u>1125.00</u>
<u>Count Drill Circulate</u>	EXTRA FOOTAGE	<u>24.00</u>
<u>Threat for</u>	MILEAGE 50 x 2	<u>800.00</u>
<u>Alon, Wayne, Chris</u>	MANIFOLD <u>2 Head</u>	<u>200.00</u>
	<u>58 x 2</u>	<u>464.00</u>

CHARGE TO: FI ML TOTAL 2625.00

STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>Fiber Barrel Plug</u>	@	<u>175.00</u>
<u>3 cementizers</u>	@	<u>640.00</u>
<u>Wooden Plug</u>	@	<u>92.00</u>
TOTAL		<u>459.00</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.

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Gary DeJoy  
SIGNATURE [Signature]



PO BOX 31 Russell, KS 67665

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

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



**INVOICE**  
Invoice Number: 127997  
Invoice Date: Jul 21, 2011  
Page: 1

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms
FIML	Pfenninger9D-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 21, 2011
		Due Date
		8/20/11

Quantity	Item	Description	Unit Price	Amount
460.00	MAT	Class A Light Weight	14.50	6,670.00
2,300.00	MAT	Glisonite	0.89	2,047.00
115.00	MAT	Flo Seal	2.70	310.50
541.00	SER	Handling	2.25	1,217.25
50.00	SER	Mileage	59.51	2,975.50
1.00	SER	Production	2,125.00	2,125.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Jerry Yates		
1.00	OPER ASSIST	Earl Rebarchek		

D11101  
8200-118  
John Q. B.

Subtotal	15,345.25
Sales Tax	659.01
Total Invoice Amount	16,004.26
Payment/Credit Applied	
<b>TOTAL</b>	<b>16,004.26</b>

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

\$ 3069.05

ONLY IF PAID ON OR BEFORE Aug 15, 2011

Gary Duke (FIML)

3069.05  
12935.21

# ALLIED CEMENTING CO., LLC. 043456

Federal Tax I.D.# 20-5975804

REMIT TO PO BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Oakley

DATE <u>2-21-11</u>	SEC <u>30</u>	TWP <u>18</u>	RANGE <u>31</u>	CALLER OUT	ON LOCATION	JOB START 8:30 AM	JOB FINISH 9:00 AM
LEASE <u>Preminger</u>	WELL # <u>9D-30-1831</u>	LOCATION <u>Scott City 8E 2S 14W</u>	OWNER <u>same</u>	AMOUNT ORDERED <u>460 sbs LITE</u>	COUNTY <u>SCOTT</u>	STATE <u>K-5</u>	
OLD OR NEW (Circle one)	<u>NEW</u>						

CONTRACTOR H2 Drilling Rigs 1  
 TYPE OF JOB Production (100 stages)  
 HOLE SIZE 7 7/8 T.D. 4814  
 CASING SIZE 5 1/2 DEPTH 4814.35  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE DV DEPTH 3004.23  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 22.55  
 CEMENT LEFT IN CSG. 22.55  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 71,523BBL  
 EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Andrea  
 # 423-281 HELPER Jerry  
 BULK TRUCK DRIVER Earl  
 BULK TRUCK DRIVER \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Plug mouse hole 20 sbs rat hole  
30 sbs mix 410 sbs down 5 1/2  
Casing. wash pump and lines  
Clear Release plug start  
Displacement. 1000 LIST  
Load plug load cement  
Did circulate

Thank you

CHARGE TO: FIML  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

COMMON _____	@	
POZMIX _____	@	
GEL _____	@	
CHLORIDE _____	@	
ASC _____	@	
<u>LITE 460 sbs</u>	@	<u>74.50 6676.00</u>
<u>Gilsonite 2300#</u>	@	<u>.89 2042.00</u>
<u>Elo-seal 115#</u>	@	<u>21.20 310.50</u>
HANDLING <u>541 sbs</u>	@	<u>2.25 1212.25</u>
MILEAGE <u>14.56/mile</u>	@	<u>2925.50</u>
TOTAL		<u>13220.25</u>

DEPTH OF JOB _____	SERVICE	
PUMP TRUCK CHARGE <u>3004.23</u>		<u>2125.00</u>
EXTRA FOOTAGE _____	@	
MILEAGE <u>50 miles x 2</u>	@	<u>N/C</u>
MANIFOLD _____	@	
TOTAL		<u>2125.00</u>

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 Gary Duke  
 SIGNATURE Gary Duke

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



PO BOX 31 Russell, KS 67665

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

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



**INVOICE**  
Invoice Number: 127996  
Invoice Date: Jul 21, 2011  
Page: 1

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms
FIML	Pfenninger9D-30-1831	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 21, 2011
		Due Date
		8/20/11

Quantity	Item	Description	Unit Price	Amount
5.00	MAT	Gel	58.20	291.00
260.00	MAT	Class A Light Weight	19.00	4,940.00
1,300.00	MAT	Gilsonite	0.89	1,157.00
25.00	MAT	Salt	23.95	598.75
65.00	MAT	Flo Seal	2.70	175.50
500.00	MAT	WFR-2	1.27	635.00
320.00	SER	Handling	2.25	720.00
50.00	SER	Mileage	35.20	1,760.00
1.00	SER	Production	2,405.00	2,405.00
100.00	SER	Heavy Vehicle Mileage	7.00	700.00
1.00	SER	Manifold Head Rental	200.00	200.00
100.00	SER	Light Vehicle Mileage	4.00	400.00
1.00	EQP	5 1/2 Sure Seal Float Shoe	520.00	520.00
1.00	EQP	5 1/2 Sure Seal Float Collar	620.00	620.00
25.00	EQP	5 1/2 Centralizers	49.00	1,225.00
2.00	EQP	5 1/2 Baskets	337.00	674.00
1.00	EQP	5 1/2 DV Tool	3,721.00	3,721.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Jerry Yates		
1.00	OPER ASSIST	Ethan Glassman		

Subtotal	20,742.25
Sales Tax	1,062.68
Total Invoice Amount	21,804.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>21,804.93</b>

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

\$ 4148.45

ONLY IF PAID ON OR BEFORE  
Aug 15, 2011

D11101

8250-118  
J. B.

4148.45

17656.48

# ALLIED CEMENTING CO., LLC. 043455

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
OKLEY

DATE <u>7-21-11</u>	SEC <u>30</u>	TWP <u>18</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASEE <u>PF Enninger</u>	WELL # <u>90-2-181</u>	LOCATION <u>SCOTT CITY 8E 2S</u>	COUNTY <u>SCOTT</u>	STAFF		<u>3:30AM</u>	<u>4:00PM</u>
OLD OR NEW (Circle one) <u>NEW</u>	LOCATION <u>134 W 13th</u>					<u>3:00H</u>	<u>K5</u>

CONTRACTOR <u>H3 Drilling Rig 1</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production (Bottom stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4814'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4814.35'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>OV</u>	DEPTH <u>300H, 23</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>22.55'</u>
CEMENT LEFT IN CSG. <u>22.55'</u>	
PERFS	
DISPLACEMENT <u>114,230L</u>	<u>4251 21.51</u>
EQUIPMENT <u>water mud</u>	

PUMP TRUCK CEMENTER <u>Andrew</u>	
# <u>423-281</u>	HELPER <u>Terry</u>
BULK TRUCK	DRIVER <u>Ethan</u>
# <u>396</u>	
BULK TRUCK	DRIVER
#	DRIVER

REMARKS:  
Pump 500 gal WFR-2 mix 260 sbs are used pump and 4 hrs clean, start displacement to 300. Displacement out mud line to truck. Rev hole spaced displacement replaced with 170", 1200 # L.H. land plug used Plug landed float held, open DV tool 500.

DEPTH OF JOB	<u>4814.35'</u>	
PUMP TRUCK CHARGE		<u>2405.00</u>
EXTRA FOOTAGE		
MILEAGE <u>50 miles x 2</u>	@ <u>7.00</u>	<u>700.00</u>
MANFOLD <u>head</u>	@	<u>300.00</u>
Light vehicle	@ <u>4.00</u>	<u>400.00</u>
	@	
TOTAL		<u>3205.00</u>

CHARGE TO: F I M L

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 3205.00

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>		
<u>1 Sure seal float shoe</u>		<u>520.00</u>
<u>1 Sure seal float collar</u>	@	<u>620.00</u>
<u>25 centralizers</u>	@ <u>49.00</u>	<u>1225.00</u>
<u>2 Baskets</u>	@ <u>332.00</u>	<u>674.00</u>
<u>1 DV TOOL</u>	@	<u>321.00</u>
	@	
TOTAL		<u>6760.00</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.

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Gary Duke

SIGNATURE Gary Duke



**ORIGINAL**

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

2011.07.18

Lansing J

DST # 1

30 18s 31w Scott, KS

Pfenninger #9D

FIML Natural Resources, LLC

Start Date: 2011.07.18 @ 06:35:00  
End Date: 2011.07.18 @ 13:29:15  
Job Ticket #: 042243  
DST #: 1

**Pfenninger #9D**

**30 18s 31w Scott, KS**

ATTN: Josh Austin / Gary Do

410 17th St. Suite 900  
Denver, CO 80202

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

**DRILL STEM TEST REPORT**



# DRILL STEM TEST REPORT



**TRIBLOBITE TESTING, INC.**

FML Natural Resources, LLC  
 410 17th St Suite 900  
 Denver, CO 80202  
 ATTN: Josh Austin / Gary Doo

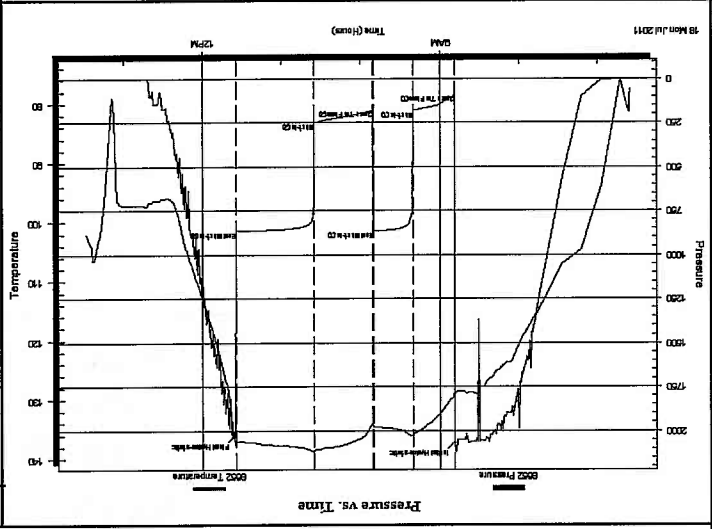
**Fenninger #9D**  
 30 18s 31w Scott, KS  
 Job Ticket: 042243  
 DST#: 1  
 Test Start: 2011.07.18 @ 06:35:00

## GENERAL INFORMATION:

Formation: **Lansing J**  
 Deviated: No Whipstock  
 Time Tool Opened: 08:49:00  
 Time Test Ended: 13:29:15  
 Interval: **4220.00 ft (KB) To 4255.00 ft (KB) (TVD)**  
 Total Depth: **4255.00 ft (KB) (TVD)**  
 Hole Diameter: 7.88 inches  
 Condition: Poor  
 Reference Elevations: 2996.00 ft (KB)  
 2984.00 ft (CF)  
 12.00 ft  
 Test Type: Conventional Bottom Hole  
 Tester: Bradley Walter  
 Unit No: 40

**Serial #: 8652**  
 Inside  
 Press@RunDepth: 249.40 psig @ 4221.00 ft (KB)  
 Start Date: 2011.07.18  
 End Date: 2011.07.18  
 Start Time: 06:35:05  
 End Time: 13:29:14  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.07.18  
 Time On Btm: 2011.07.18 @ 08:48:45  
 Time Off Btm: 2011.07.18 @ 11:35:15

**TEST COMMENT:** IF: BOB @ 28 minutes.  
 IS: No return blow.  
 FF: BOB @ 40 minutes.  
 FS: No return blow.



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.54	129.05	Initial Hydro-static
1	91.00	128.33	Open To Flow (1)
32	180.48	135.80	Shut-in(1)
62	866.41	134.54	End Shut-in(1)
62	179.56	134.08	Open To Flow (2)
107	249.40	138.48	Shut-in(2)
166	866.71	137.08	End Shut-in(2)
167	2025.54	137.58	Final Hydro-static

Length (ft)	Description	Volume (bbl)
540.00	mcw 20m 80w (oil spots on top)	5.03

Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)

## Recovery

Length (ft)	Description	Volume (bbl)
540.00	mcw 20m 80w (oil spots on top)	5.03

**DRILL STEM TEST REPORT**

**Fenninger #9D**

**30 18s 31w Scott, KS**

Job Ticket: 042243 DST#: 1

ATTN: Josh Austin / Gary Doo

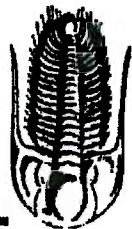
Test Start: 2011.07.18 @ 06:35:00

FML Natural Resources, LLC

410 17th St, Suite 900

Denver, CO 80202

**TRILOBITE TESTING, INC**

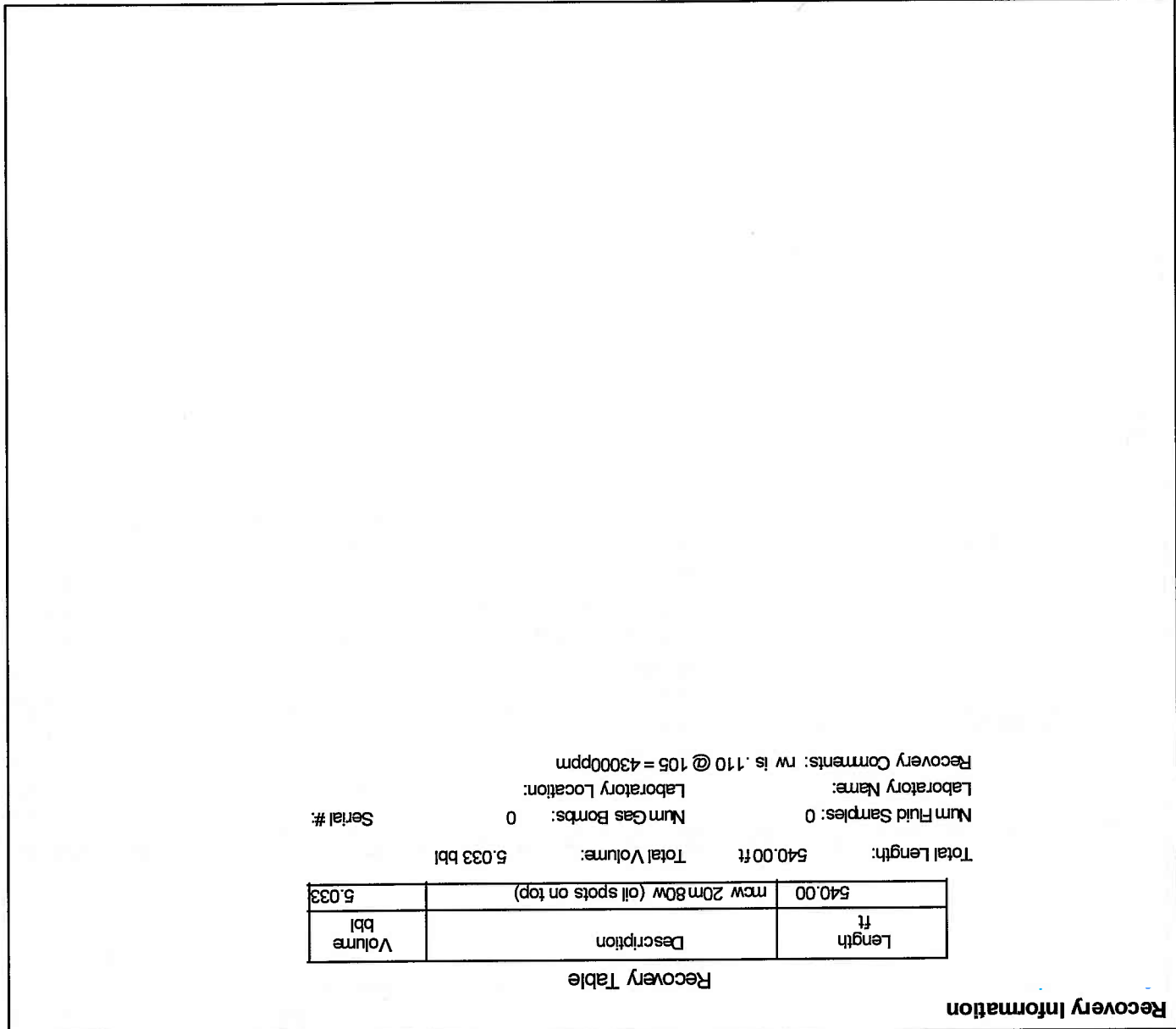


**Tool Information**

Drill Pipe: Length: 3952.00 ft Diameter: 3.80 inches Volume: 55.44 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: 279.00 ft Diameter: 2.25 inches Volume: 1.37 bbl Weight to Pull Loose: 83000.00 lb  
 Drill Pipe Above KB: 32.00 ft Total Volume: 56.81 bbl Tool Chased 10.00 ft  
 Depth to Top Packer: 4220.00 ft String Weight: Initial 66000.00 lb Final 68000.00 lb  
 Depth to Bottom Packer: ft  
 Interval between Packers: 35.00 ft  
 Tool Length: 56.00 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	4200.00			
Shut In Tool	5.00	4205.00			
Hydraulic tool	5.00	4210.00			
Packer	5.00	4215.00		21.00	Bottom Of Top Packer
Packer	5.00	4220.00			
Stub	1.00	4221.00			
Recorder	0.00	4221.00	8360	Outside	
Recorder	0.00	4221.00	8652	Inside	
Perforations	31.00	4252.00			
Bullnose	3.00	4255.00			
<b>Total Tool Length:</b>	<b>56.00</b>				
Bottom Packers & Anchor	35.00				



**Recovery Information**

Length ft	Description	Volume bbl
540.00	mcw 20m 80w (oil spots on top)	5.033
Total Length: 540.00 ft Total Volume: 5.033 bbl		

Num Fluid Samples: 0  
 Num Gas Bombs: 0  
 Laboratory Name:  
 Laboratory Location:  
 Recovery Comments: rw is .110 @ 105 = 4300ppm  
 Serial #:

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg AP
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	43000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm m	Gas Cushion Pressure: psig		
Salinity: 1350.00 ppm			
Filter Cake: 1.00 inches			

**DRILL STEM TEST REPORT**

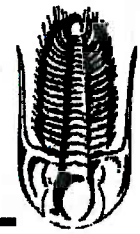
**FLUID SUMMARY**

FML Natural Resources, LLC

410 17th St. Suite 900  
Denver, CO 80202

ATTN: Josh Austin / Gary Do

Test Start: 2011.07.18 @ 06:35:00



**TRIOBITE TESTING, INC**

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042243

DST#:1

Serial #: 8652

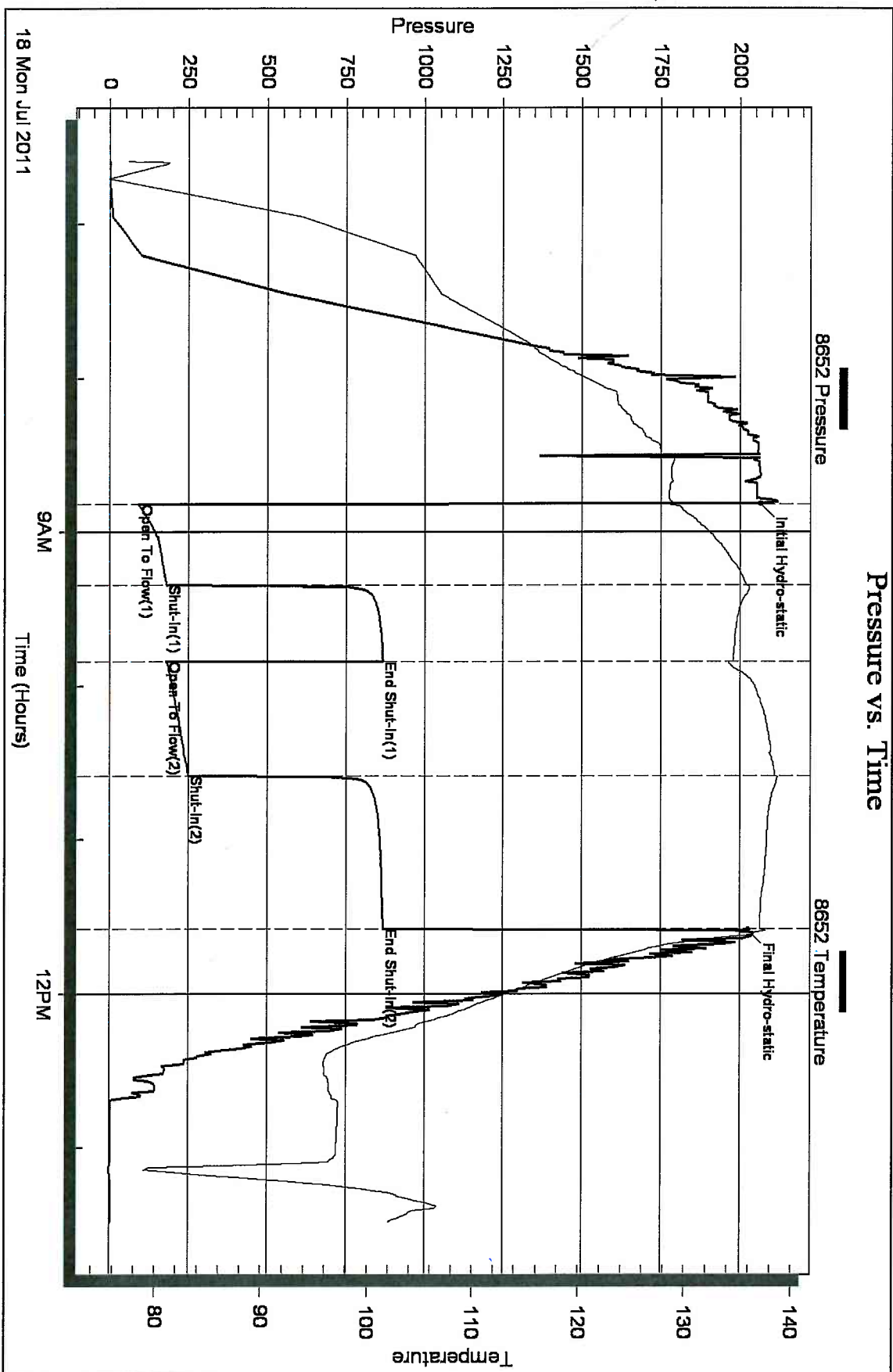
Inside

FIML Natural Resources, LLC

30 18s 31w Scott, KS

DST Test Number: 1

### Pressure vs. Time







**DRILL STEM TEST REPORT**

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

410 17th St. Suite 900  
Denver, CO 80202

ATTN: Josh Austin / Gary Do

**30 18s 31w Scott, KS**

**Pfenninger #9D**

Start Date: 2011.07.19 @ 02:50:00

End Date: 2011.07.19 @ 12:05:45

Job Ticket #: 042244  
DST #: 2

Triobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

# DRILL STEM TEST REPORT



FML Natural Resources, LLC  
 410 17th St. Suite 900  
 Denver, CO 80202  
 ATTN: Josh Austin / Gary Doo

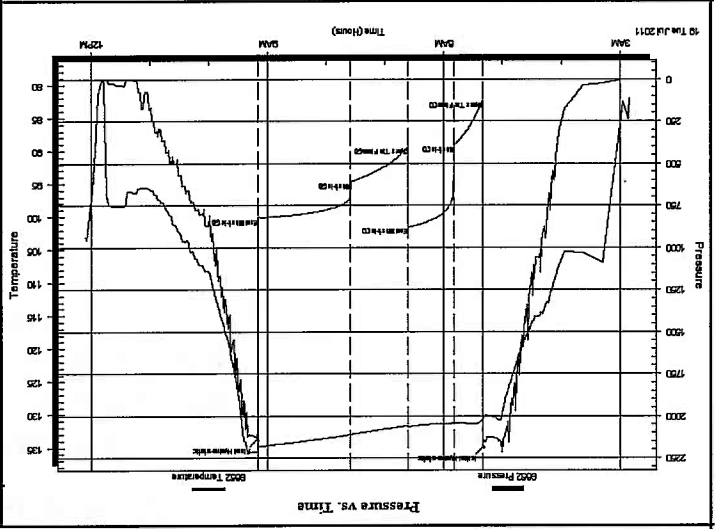
**Penninger #9D**  
 30 18s 31w Scott, KS  
 Job Ticket: 042244  
 DST#: 2  
 Test Start: 2011.07.19 @ 02:50:00

## GENERAL INFORMATION:

Formation: **Marmaton/Altamont**  
 Deviated: No  
 Whipstock: No  
 Interval: **4308.00 ft (KB) To 4400.00 ft (KB) (TVD)**  
 Total Depth: **4400.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Reference Elevations: **2996.00 ft (KB)**  
 2984.00 ft (CF)  
 12.00 ft  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Bradley Walter**  
 Unit No: **40**  
 Time Tool Opened: **05:20:15**  
 Time Test Ended: **12:05:45**

**Serial #: 8652**  
 Inside  
 Press@RunDepth: **609.81 psig @ 4309.00 ft (KB)**  
 Start Date: **2011.07.19**  
 End Date: **2011.07.19**  
 Start Time: **02:50:05**  
 End Time: **12:05:45**  
 Capacity: **8000.00 psig**  
 Last Callb.: **2011.07.19**  
 Time On Btm: **2011.07.19 @ 05:20:00**  
 Time Off Btm: **2011.07.19 @ 09:10:30**

**TEST COMMENT:** IF: BOB @ 1 1/2 minutes.  
 IS: BOB @ 15 minutes.  
 FF: BOB @ 1 minute.  
 FSI BOB @ 45 minutes.



Length (ft)	Description	Volume (bbl)
200.00	gmco 20g 30m 50o	0.98
1510.00	go 40g 60o	20.46
0.00	1140 GIP	0.00

## Recovery

## Gas Rates

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

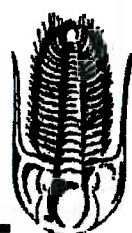
## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.26	131.16	Initial Hydro-static
1	129.13	130.45	Open To Flow (1)
30	391.58	131.23	Shut-in (1)
77	878.18	131.81	End Shut-in (1)
77	405.60	131.65	Open To Flow (2)
136	609.81	133.00	Shut-in (2)
230	822.90	134.85	End Shut-in (2)
231	2140.64	135.69	Final Hydro-static



**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**



**RILOBITE TESTING, INC.**

410 17th St. Suite 900  
Denver, CO 80202

FMN Natural Resources, LLC

Fenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042244 DST#: 2

ATTN: Josh Austin / Gary Doo

Test Start: 2011.07.19 @ 02:50:00

Tool Information	
Drill Pipe: Length: 4016.00 ft Diameter: 3.80 inches Volume: 56.33 bbl Heavy Mt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Drill Collar: Length: 279.00 ft Diameter: 2.25 inches Volume: 1.37 bbl Drill Pipe Above KB: 8.00 ft Depth to Top Packer: 4308.00 ft Depth to Bottom Packer: ft Interval between Packers: 92.00 ft Tool Length: 113.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments:	Tool Weight: 1500.00 lb Weight set on Packer: 2500.00 lb Weight to Pull Loose: 8700.00 lb Tool Chased: 0.00 ft String Weight: Initial 68000.00 lb Final 70000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4288.00	
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Packer	5.00			4303.00	Bottom Of Top Packer
Packer	5.00			4308.00	
Stub	1.00			4309.00	
Recorder	0.00	8360	Outside	4309.00	
Recorder	0.00	8652	Inside	4309.00	
Perforations	3.00			4312.00	
Change Over Sub	1.00			4313.00	
Drill Pipe	63.00			4376.00	
Change Over Sub	1.00			4377.00	
Perforations	20.00			4397.00	
Bullnose	3.00			4400.00	
<b>Total Tool Length:</b>					<b>113.00</b>
<b>Bottom Packers &amp; Anchor</b>					<b>92.00</b>

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

FML Natural Resources, LLC  
 410 17th St. Suite 900  
 Denver, CO 80202  
 ATTN: Josh Austin / Gary Doo  
 Test Start: 2011.07.19 @ 02:50:00

**Pfenninger #9D**  
 30 18s 31w Scott, KS  
 Job Ticket: 042244  
 DST#: 2

---

**Mud and Cushion Information**

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 56.00 sec/qt  
 Water Loss: 8.37 in<sup>3</sup>  
 Resistivity: ohm-m  
 Salinity: 1100.00 ppm  
 Filter Cake: 1.00 inches

Cushion Type:  
 Cushion Length: ft  
 Cushion Volume: bbl  
 Oil API: 37 deg API  
 Water Salinity: 0 ppm

Gas Cushion Type:  
 Gas Cushion Pressure: psig

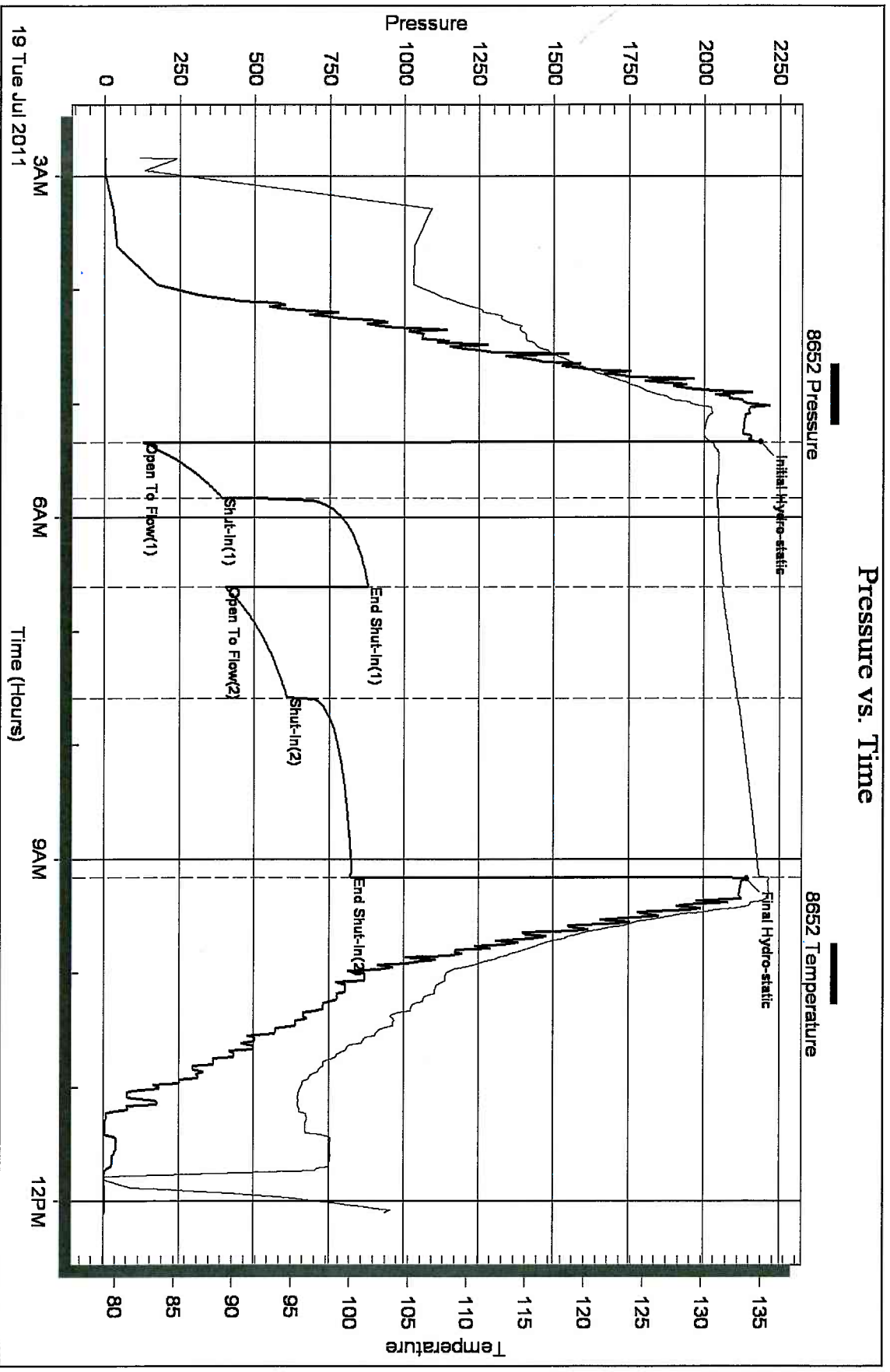
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**Recovery Information**

Length ft	Description	Volume bbl
200.00	gmco 20g 30m 50o	0.984
1510.00	go 40g 60o	20.462
0.00	1140 GIP	0.000

Total Length: 1710.00 ft  
 Total Volume: 21.446 bbl  
 Num Fluid Samples: 0  
 Num Gas Bombs: 0  
 Laboratory Name:  
 Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time







**DRILL STEM TEST REPORT**

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

410 17th St. Suite 900  
Denver, CO 80202

ATTN: Josh Austin / Gary Do

**30 18s 31w Scott, KS**

**Pfenninger #9D**

Start Date: 2011.07.20 @ 06:05:00

End Date: 2011.07.20 @ 13:42:45

Job Ticket #: 43227  
DST #: 3

Triobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

# DRILL STEM TEST REPORT



FML Natural Resources, LLC  
 410 17th St. Suite 900  
 Denver, CO 80202  
 ATTN: Josh Austin / Gary Doo

**Pfenninger #9D**  
 30 18s 31w Scott, KS  
 Job Ticket: 43227  
 DST#: 3  
 Test Start: 2011.07.20 @ 06:05:00

## GENERAL INFORMATION:

Formation: Mississippi  
 Deviated: No Whipstock  
 Time Tool Opened: 08:13:45  
 Time Test Ended: 13:42:45  
 Interval: 4608.00 ft (KB) To 4623.00 ft (KB) (TVD)  
 Total Depth: 4623.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 incheshole Condition: Fair  
 Reference Elevations: 2996.00 ft (KB)  
 2984.00 ft (CF)  
 12.00 ft  
 KB to GRCF:

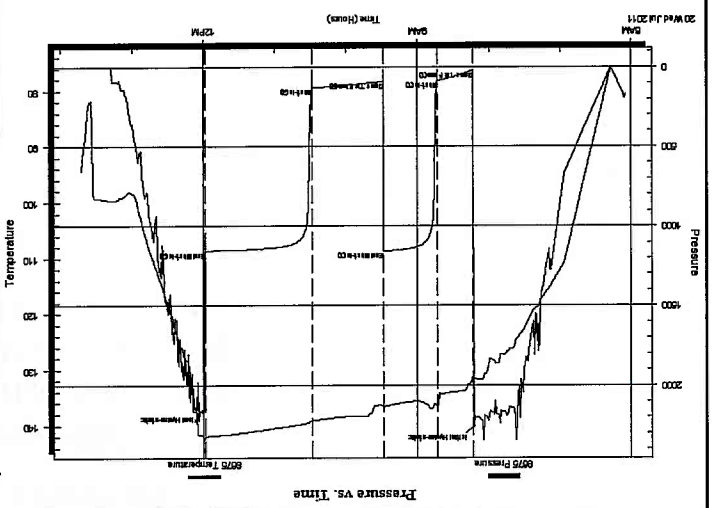
## TEST COMMENT:

Built to 6" Blow  
 No Return Blow  
 Built to 8 1/2 Blow  
 Weak Return Blow

**Serial #: 8675**  
 Inside  
 Press@RunDepth: 132.85 psig @ 4609.00 ft (KB)  
 Start Date: 2011.07.20  
 End Date: 2011.07.20  
 Start Time: 06:05:01  
 End Time: 13:42:45  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.07.20  
 Time On Btm: 2011.07.20 @ 08:13:00  
 Time Off Btm: 2011.07.20 @ 11:58:45

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.12	131.59	Initial Hydro-static
1	24.15	131.11	Open To Flow (1)
31	88.37	136.83	Shut-in(1)
76	1157.40	136.57	End Shut-in(1)
76	92.73	136.39	Open To Flow (2)
136	132.85	139.12	Shut-in(2)
226	1155.26	141.94	End Shut-in(2)
226	2143.48	142.53	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
90.00	ocw m5%O 35%W 60%M	0.44
90.00	gcmp 10%G 30%M 60%O	0.44
103.00	O 100%O	1.44

## Gas Rates

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

Tool Description		Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub		1.00			4589.00	
Shut In Tool		5.00			4594.00	
Hydraulic tool		5.00			4599.00	
Packer		5.00			4604.00	20.00
Packer		4.00			4608.00	
Packer		1.00			4609.00	
Stub		1.00			4609.00	
Recorder		0.00	8675	Inside	4609.00	
Recorder		0.00	8371	Outside	4609.00	
Perforations		11.00			4620.00	
Change Over Sub		0.00			4620.00	
Drill Pipe		0.00			4620.00	
Change Over Sub		0.00			4620.00	
Bullnose		3.00			4623.00	15.00

Total Tool Length: 35.00

Tool Information		Length	Diameter	Volume	Weight
Drill Pipe	Length: 4420.65 ft	3.80 inches	62.01 bbl	1500.00 lb	
Heavy Wt. Pipe	Length: 0.00 ft	0.00 inches	0.00 bbl	20000.00 lb	
Drill Collar	Length: 180.00 ft	2.25 inches	0.89 bbl	80000.00 lb	
Drill Pipe Above KB: 12.65 ft		Total Volume: 62.90 bbl		Tool Chased	0.00 ft
Depth to Top Packer:	4608.00 ft	String Weight:	Initial	70000.00 lb	
Depth to Bottom Packer:	ft	Final	74000.00 lb		
Interval between Packers:	15.00 ft	Tool Information			
Tool Length:	35.00 ft	Number of Packers:			2
Tool Comments:		Diameter: 6.75 inches			

Tool Information		Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub		1.00			4589.00	
Shut In Tool		5.00			4594.00	
Hydraulic tool		5.00			4599.00	
Packer		5.00			4604.00	20.00
Packer		4.00			4608.00	
Stub		1.00			4609.00	
Recorder		0.00	8675	Inside	4609.00	
Recorder		0.00	8371	Outside	4609.00	
Perforations		11.00			4620.00	
Change Over Sub		0.00			4620.00	
Drill Pipe		0.00			4620.00	
Change Over Sub		0.00			4620.00	
Bullnose		3.00			4623.00	15.00

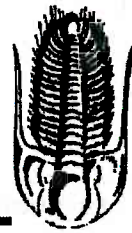
**DRILL STEM TEST REPORT**

FML Natural Resources, LLC

410 17th St. Suite 900  
Denver, CO 80202

ATTN: Josh Austin / Gary Doo

Test Start: 2011.07.20 @ 06:05:00



**TRIBOLITE TESTING, INC**

Fenninger #9D

30 18s 31w Scott, KS

Job Ticket: 43227

DST#: 3

**Recovery Information**

Length ft	Description	Volume bbl
90.00	ocw m5%O 35%W 60%M	0.443
90.00	gcw 10%G 30%M 60%O	0.443
103.00	O 100%O	1.445
Total Length: 283.00 ft		Total Volume: 2.331 bbl
Num Fluid Samples: 0		
Num Gas Bombs: 0		
Serial #: _____		
Laboratory Name: _____		
Laboratory Location: _____		
Recovery Comments: API: 31 @ 100 F = 35 RM: 20 @ 108 F = 25,000		

Recovery Table

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type: _____	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: _____	Water Salinity: 25000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: _____	
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type: _____	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: _____	psig
Salinity: 1200.00 ppm		
Filter Cake: 1.00 inches		

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**



FML Natural Resources, LLC  
 410 17th St, Suite 900  
 Denver, CO 80202  
 ATTN: Josh Austin / Gary Doo  
 Test Start: 2011.07.20 @ 06:05:00  
 Job Ticket: 43227  
 DST#: 3  
 Pfenninger #9D  
 30 18s 31w Scott, KS



Serial #: 8675

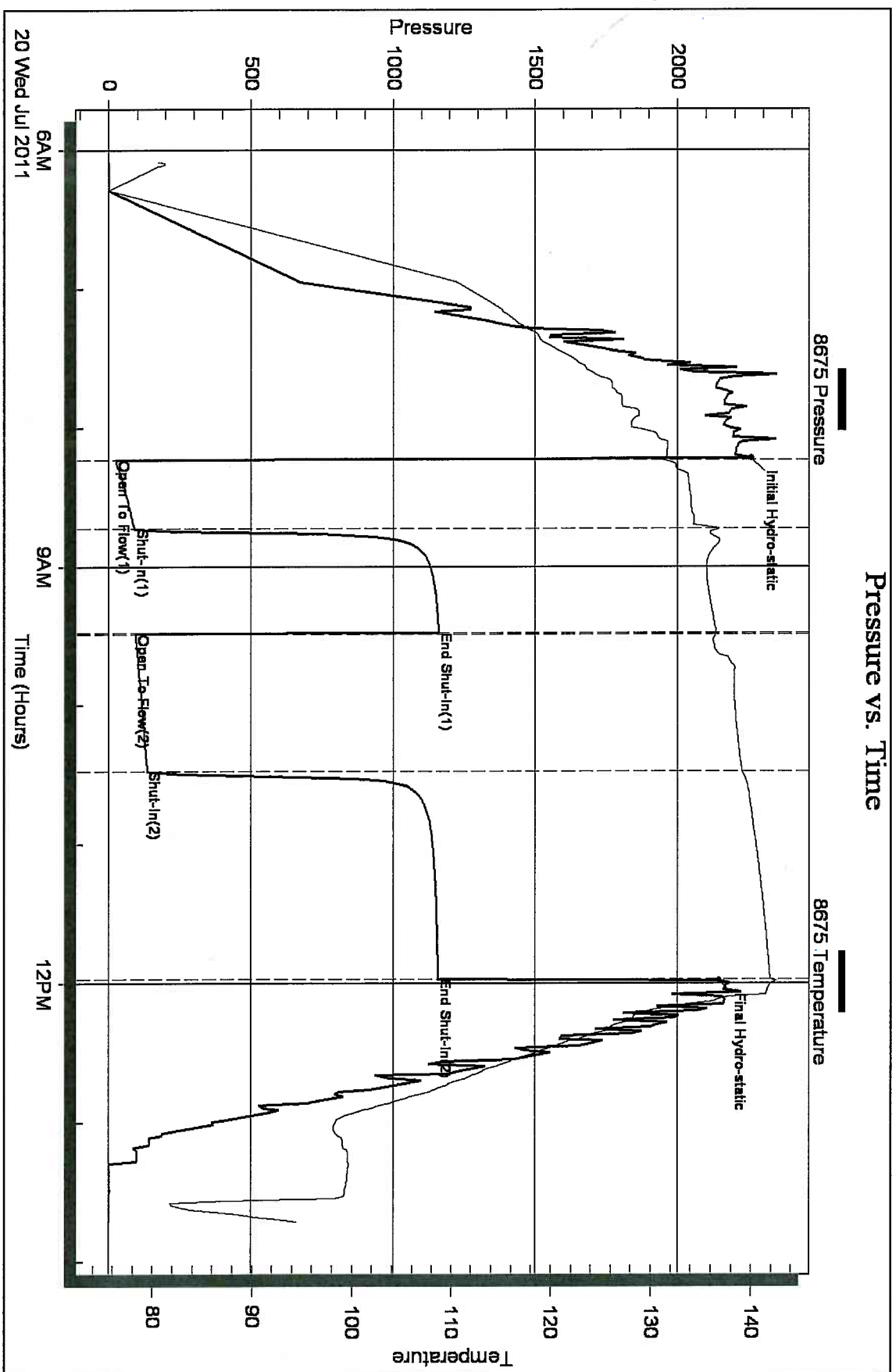
Inside

FML Natural Resources, LLC

30 18s 31w Scott, KS

DST Test Number: 3

### Pressure vs. Time





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 28, 2011

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

Re: ACO1  
API 15-171-20808-00-00  
Pfenninger 9D-30-1831  
SE/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