

KANSAS CORPORATION COMMISSION 1048263
OIL & GAS CONSERVATION DIVISION

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:

New Well Re-Entry Workover

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

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

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>09/03/2010</u>	<u>09/10/2010</u>	<u>09/11/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20771-00-00

Spot Description: _____
N2_NE_SE Sec. 3 Twp. 18 S. R. 32 East West
2310 Feet from North / South Line of Section
660 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Scott
 Lease Name: Hueftle Well #: 9D-3-1832
 Field Name: _____

Producing Formation: NA
 Elevation: Ground: 2971 Kelly Bushing: 2979
 Total Depth: 4994 Plug Back Total Depth: 4
 Amount of Surface Pipe Set and Cemented at: 393 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: _____ Feet
 If Alternate II completion, cement circulated from: 2290
 feet depth to: 4 w/ 290 sx cmt.

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

Chloride content: 7700 ppm Fluid volume: 800 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

Letter of Confidentiality Received
 Date: 12/22/2010

Confidential Release Date: 12/21/2012

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 12/27/2010

1048263

Operator Name: FIML Natural Resources, LLC Lease Name: Hueftle Well #: 9D-3-1832
 Sec. 3 Twp. 18 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Triple Combo	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Topeka</td> <td>3667</td> <td>-688</td> </tr> <tr> <td>Heebner</td> <td>3913</td> <td>-934</td> </tr> <tr> <td>Lansing</td> <td>3955</td> <td>-976</td> </tr> <tr> <td>Marmaton</td> <td>4364</td> <td>-1385</td> </tr> <tr> <td>Cherokee</td> <td>4525</td> <td>-1546</td> </tr> <tr> <td>Mississippi</td> <td>4618</td> <td>-1639</td> </tr> </tbody> </table>	Name	Top	Datum	Topeka	3667	-688	Heebner	3913	-934	Lansing	3955	-976	Marmaton	4364	-1385	Cherokee	4525	-1546	Mississippi	4618	-1639
Name	Top	Datum																				
Topeka	3667	-688																				
Heebner	3913	-934																				
Lansing	3955	-976																				
Marmaton	4364	-1385																				
Cherokee	4525	-1546																				
Mississippi	4618	-1639																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23.0	393	class A	240	2% gel & 3% CaCl2

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-			
	-			

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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 (Explain) _____	
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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	FIML Natural Resources, LLC
Well Name	Hueftle 9D-3-1832
Doc ID	1048263

Perforations

		50 sx 60/40 A pozmix	2290-2063'
		80 sx 60/40 A pozmix	1520-1126'
		40 sx 60/40 A pozmix	750-568'
		50 sx 60/40 A pozmix	420-193'
		20 sx 60/40 A pozmix	60-4'
		50 sx 60/40 A pozmix	Mouse and rat hole



PO BOX 31 Russell, KS 67665

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

Bill To:

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

2347
RECEIVED
SEP 17 2010

INVOICE

Invoice Number: 124353

Invoice Date: Sep 3, 2010

Page: 1

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Huefile 9D #3-18-32	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 3, 2010	10/3/10

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
45.00	SER	Mileage 255 sx @ .10 per sk per mi	25.30	1,138.50

ALLIED CEMENTING CO., LLC. 038998

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

SERVICE POINT:
Oak Grove

DATE <u>9-3-10</u>	SEC. <u>3</u>	TWP. <u>18</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>2:30pm</u>	JOB START <u>7:00pm</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>Hueckle 90</u>	WELL # <u>3-18-32</u>	LOCATION <u>Scott City 2nd</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)				<u>HC-1125 win</u>			

CONTRACTOR <u>Murphy 21st</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE 2 7/8 <u>12 1/4</u> T.D. <u>395'</u>	CEMENT
CASING SIZE <u>8 5/8</u> DEPTH <u>393</u>	AMOUNT ORDERED <u>240 com 390cc</u>
TUBING SIZE DEPTH	<u>290cc</u>
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>240</u> @ <u>15 1/2</u> <u>3708.00</u>
MEAS. LINE SHOE JOINT <u>42</u>	POZMIX @
CEMENT LEFT IN CSG. <u>42</u>	GEL <u>5</u> @ <u>20.00</u> <u>104.00</u>
PERFS.	CHLORIDE <u>8</u> @ <u>58.00</u> <u>465.00</u>
DISPLACEMENT <u>22.3</u>	ASC @

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Fuzz</u>
# <u>423</u>	HELPER	<u>LaBore</u>
BULK TRUCK		
# <u>347</u>	DRIVER	<u>Darrin</u>
BULK TRUCK		
#	DRIVER	

REMARKS:

cement did circulate
Approx 7 BBLs
Plug down @ 7:30pm
High Press. 300'

HANDLING	<u>253</u>	@ <u>2.45</u>	<u>607.85</u>
MILEAGE	<u>110.4</u>	<u>kmile</u>	<u>1138.50</u>
			TOTAL <u>6022.10</u>

SERVICE

DEPTH OF JOB	<u>393'</u>
PUMP TRUCK CHARGE	<u>1018.00</u>



PO BOX 31 Russell, KS 67665

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

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

2347

RECEIVED
SEP 17 2010

INVOICE

Invoice Number: 124417
Invoice Date: Sep 10, 2010
Page:

Customer ID	Well Name# or Customer P.O.	Payment Terms	
FIML	Heuffle 9D#3-1832	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Sep 10, 2010	10/10/10

Quantity	Item	Description	Unit Price	Amount
174.00	MAT	Class A Common	15.45	2,688.30
116.00	MAT	Pozmix	8.00	928.00
10.00	MAT	Gel	20.80	208.00
73.00	MAT	Flo Seal	2.50	182.50
303.00	SFR	Handlino	2.40	727.20

ALLIED CEMENTING CO., LLC. 039004

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

SERVICE POINT:
OKLAHOMA

DATE <u>7-10-10</u>	SEC. <u>3</u>	TWP. <u>18</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>5:30pm</u>	JOB START <u>1:00am</u>	JOB FINISH <u>6:30am</u>
LEASE <u>Huetcle 90</u>		WELL# <u>3-1832</u>		LOCATION <u>Scott city & Pawnee rd</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>3w. win</u>			

CONTRACTOR <u>MURPHY</u>	OWNER
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 1/8</u>	T.D. <u>5000'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4" 2</u>	DEPTH <u>2290'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Kelly</u>
# <u>431</u>	HELPER	<u>Kelly</u>
BULK TRUCK		
# <u>457</u>	DRIVER	<u>Cesar</u>
BULK TRUCK		
#	DRIVER	

REMARKS:

50 SK @ 2290'

80 SK @ 1520'

40 SK @ 750'

50 SK @ 420'

20 SK @ 60'

CEMENT

AMOUNT ORDERED 290 60140

490 cel 114 # Closures

COMMON	<u>174</u>	@	<u>15.45</u>	<u>2688.30</u>
POZMIX	<u>116</u>	@	<u>8.00</u>	<u>928.00</u>
GEL	<u>10</u>	@	<u>20.00</u>	<u>200.00</u>
CHLORIDE		@		
ASC		@		
<u>Floreal</u>	<u>73 #</u>	@	<u>2.50</u>	<u>182.50</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>303</u>	@	<u>2.40</u>	<u>727.20</u>
MILEAGE	<u>110.45 km</u>			<u>1363.00</u>
TOTAL				<u>6099.00</u>

SERVICE

DEPTH OF JOB 2290'

PUMP TRUCK CHARGE 1185.00



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

December 22, 2010

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

Re: ACO1
API 15-171-20771-00-00
Hueftle 9D-3-1832
SE/4 Sec.03-18S-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

RECEIVED
SEP 20 2010



DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St.
STE 900
Denver Co. 80202

ATTN: Josh Austin

3-18-32 Scott,Ks

Hueftle #^D~~90~~-3-1832

Start Date: 2010.09.07 @ 10:28:01

End Date: 2010.09.07 @ 17:39:45

Job Ticket #: 039721 DST #: 1

ORIGINAL

Trilobite Testing, Inc

PO Box 382 Hays, KS 67601

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

*Add'l copies
in log file*



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FML Natural Resources LLC

410 17th St.
STE 900
Denver Co. 80202
ATTN: Josh Austin

Hueftle #90-3-1832

3-18-32 Scott, Ks

Job Ticket: 039721 DST#: 1

Test Start: 2010.09.07 @ 10:28:01

GENERAL INFORMATION:

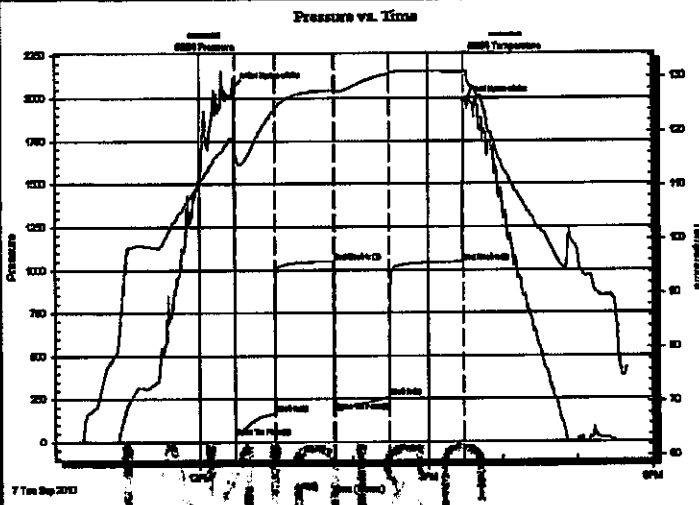
Formation: **Lansing H-I**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: **12:28:15**
 Time Test Ended: **17:39:45**
 Interval: **4179.00 ft (KB) To 4235.00 ft (KB) (TVD)**
 Total Depth: **4235.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Mike Roberts**
 Unit No: **28**
 Reference Elevations: **4179.00 ft (KB)**
4169.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: **8654** inside
 Press@RunDepth: **263.77 psig @ 4180.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.09.07** End Date: **2010.09.07** Last Calib.: **2010.09.07**
 Start Time: **10:28:01** End Time: **17:39:45** Time On Btm: **2010.09.07 @ 12:27:45**
 Time Off Btm: **2010.09.07 @ 15:28:30**

TEST COMMENT: IF: BOB in 23 min
 IS: No return blow
 FF: Bob in 35 min.
 FS: No return blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.78	118.91	Initial Hydro-static
1	35.95	117.95	Open To Flow (1)
32	187.69	124.04	Shut-in(1)
78	1047.73	127.59	End Shut-in(1)
79	181.06	127.43	Open To Flow (2)
122	263.77	130.68	Shut-in(2)
181	1045.27	130.89	End Shut-in(2)
181	1982.54	131.16	Final Hydro-static

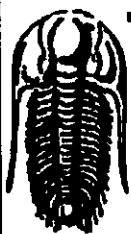


Recovery

Length (ft)	Description	Volume (bbl)
206.00	mcw with oil spots 40% m 60% w	1.01
124.00	mcw 30% m 70% w	1.48
240.00	mcw 10% m 90% w	3.51

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC

Hueftle #90-3-1832

410 17th St.
STE 900
Denver Co. 80202
ATTN: Josh Austin

3-18-32 Scott, Ks
Job Ticket: 039721 DST#: 1
Test Start: 2010.09.07 @ 10:28:01

Tool Information

Drill Pipe:	Length: 3926.00 ft	Diameter: 3.88 inches	Volume: 57.41 bbl	Tool Weight: 0.00 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: 80000.00 lb
			<u>Total Volume: 58.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4179.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	76.00 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			4160.00	
Shut In Tool	5.00			4165.00	
Hydraulic tool	5.00			4170.00	
Packer	5.00			4175.00	20.00 Bottom Of Top Packer
Packer	4.00			4179.00	
Stubb	1.00			4180.00	
Recorder	0.00	8654	inside	4180.00	
Recorder	0.00	8166	inside	4180.00	
Perforations	5.00			4185.00	
Change Over Sub	1.00			4186.00	
Drill Pipe	31.00			4217.00	
Change Over Sub	1.00			4218.00	
Perforations	14.00			4232.00	
Bullnose	3.00			4235.00	56.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC

Huefile #90-3-1832

410 17th St.
STE 900
Denver Co. 80202
ATTN: Josh Austin

3-18-32 Scott, Ks
Job Ticket: 039721 DST#: 1
Test Start: 2010.09.07 @ 10:28:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	10000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.40 in ³	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

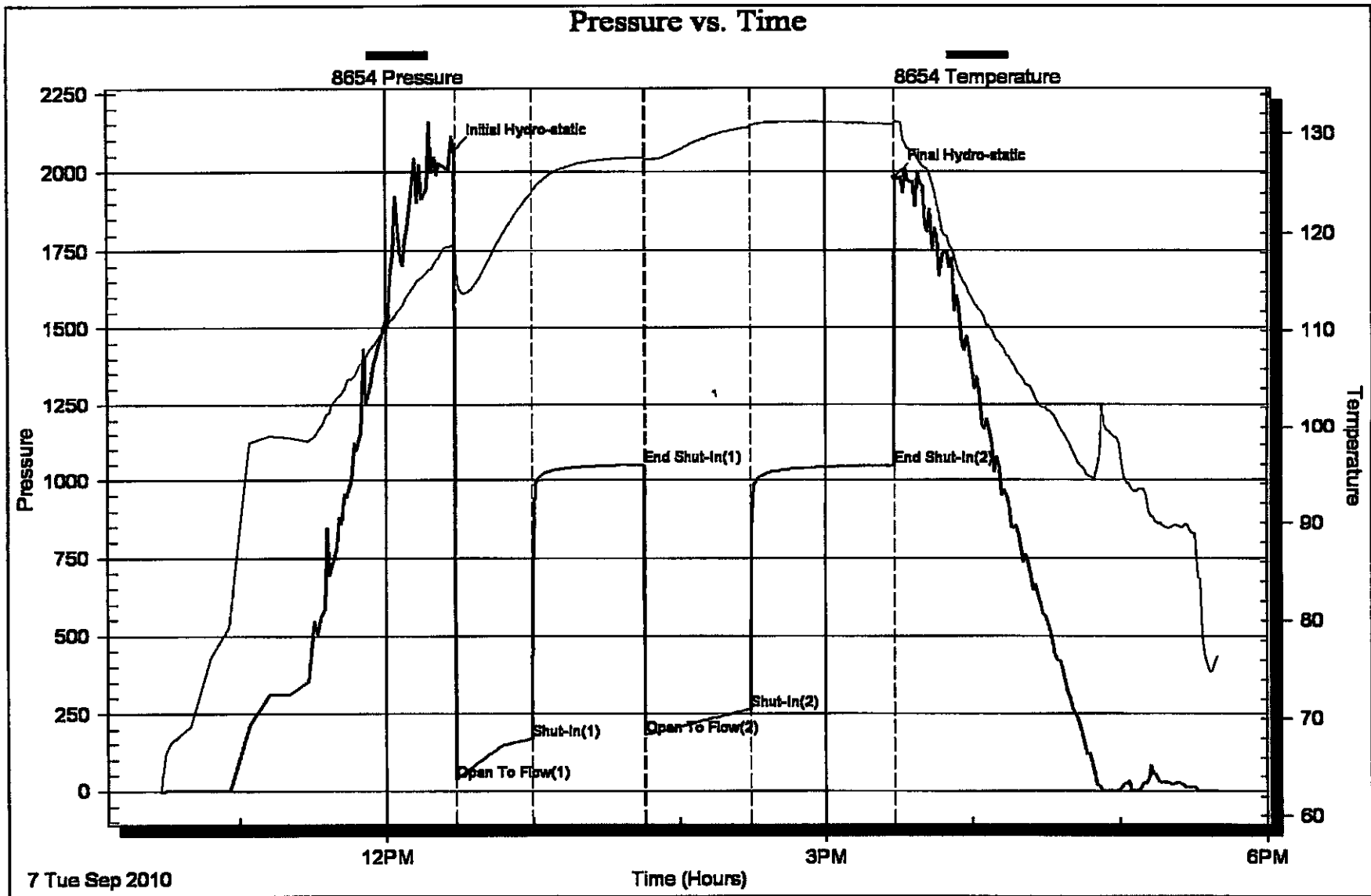
Length ft	Description	Volume bbl
206.00	mcw w th oil spots 40%m 60%w	1.013
124.00	mcw 30%m 70%w	1.483
240.00	mcw 10%m 90%w	3.510

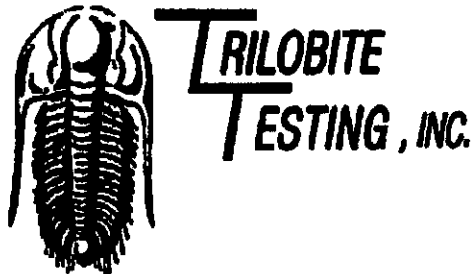
Total Length: 570.00 ft Total Volume: 6.006 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= 84.7 @.531=10000 ppm





DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St.
STE 900
Denver Co. 80202

ATTN: Josh Austin

3-18-32 Scott,Ks

Hueftle #90-3-1832

Start Date: 2010.09.08 @ 12:53:15

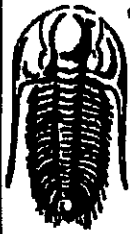
End Date: 2010.09.08 @ 18:57:00

Job Ticket #: 039722 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FML Natural Resources LLC

410 17th St.
STE 900
Denver Co. 80202
ATTN: Josh Austin

Hueffle #90-3-1832

3-18-32 Scott, Ks

Job Ticket: 039722

DST#: 2

Test Start: 2010.09.08 @ 12:53:15

GENERAL INFORMATION:

Formation: **Marmaton-Altamont**

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

Time Tool Opened: 14:39:00

Time Test Ended: 18:57:00

Interval: **4336.00 ft (KB) To 4438.00 ft (KB) (TVD)**

Total Depth: **4438.00 ft (KB) (TVD)**

Hole Diameter: **7.88 Inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **28**

Reference Elevations: **4179.00 ft (KB)**

4169.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **6669**

Inside

Press@RunDepth: **53.52 psig @ 4337.00 ft (KB)**

Start Date: **2010.09.08**

End Date:

2010.09.08

Start Time: **12:53:15**

End Time:

18:57:00

Capacity: **8000.00 psig**

Last Calib.: **2010.09.08**

Time On Btm: **2010.09.08 @ 14:38:15**

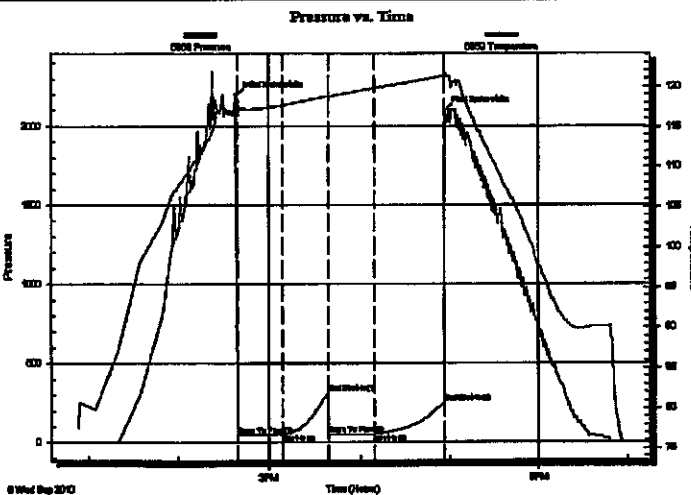
Time Off Btm: **2010.09.08 @ 16:56:30**

TEST COMMENT: **F: Built to 3/4" blow started dying in 20 min. died in 28 min.**

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.26	116.90	Initial Hydro-static
1	48.40	116.44	Open To Flow (1)
31	51.79	117.67	Shut-In(1)
61	313.30	118.84	End Shut-In(1)
61	53.19	118.71	Open To Flow (2)
91	53.52	119.79	Shut-In(2)
138	253.14	121.31	End Shut-In(2)
139	2095.74	121.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	m w th oil spots	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC

Hueftle #90-3-1832

410 17th St.
STE 900
Denver Co. 80202
ATTN: Josh Austin

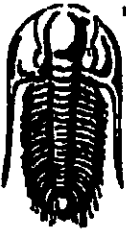
3-18-32 Scott, Ks
Job Ticket: 039722 DST#: 2
Test Start: 2010.09.08 @ 12:53:15

Tool Information

Drill Pipe:	Length: 4080.00 ft	Diameter: 3.88 inches	Volume: 59.67 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: 80000.00 lb
		Total Volume: 60.85 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4336.00 ft			Final 62000.00 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
Change Over Sub	1.00			4317.00	
Shut In Tool	5.00			4322.00	
Hydraulic tool	5.00			4327.00	
Packer	5.00			4332.00	20.00 Bottom Of Top Packer
Packer	4.00			4336.00	
Stubb	1.00			4337.00	
Recorder	0.00	8654	Inside	4337.00	
Recorder	0.00	6669	Inside	4337.00	
Perforations	5.00			4342.00	
Change Over Sub	1.00			4343.00	
Drill Pipe	63.00			4406.00	
Change Over Sub	1.00			4407.00	
Perforations	28.00			4435.00	
Bullnose	3.00			4438.00	102.00 Bottom Packers & Anchor
Total Tool Length:	122.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC

Hueffle #90-3-1832

410 17th St.

3-18-32 Scott, Ks

STE 900

Job Ticket: 039722

DST#: 2

Denver Co. 80202

Test Start: 2010.09.08 @ 12:53:15

ATTN: Josh Austin

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:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mw lth oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

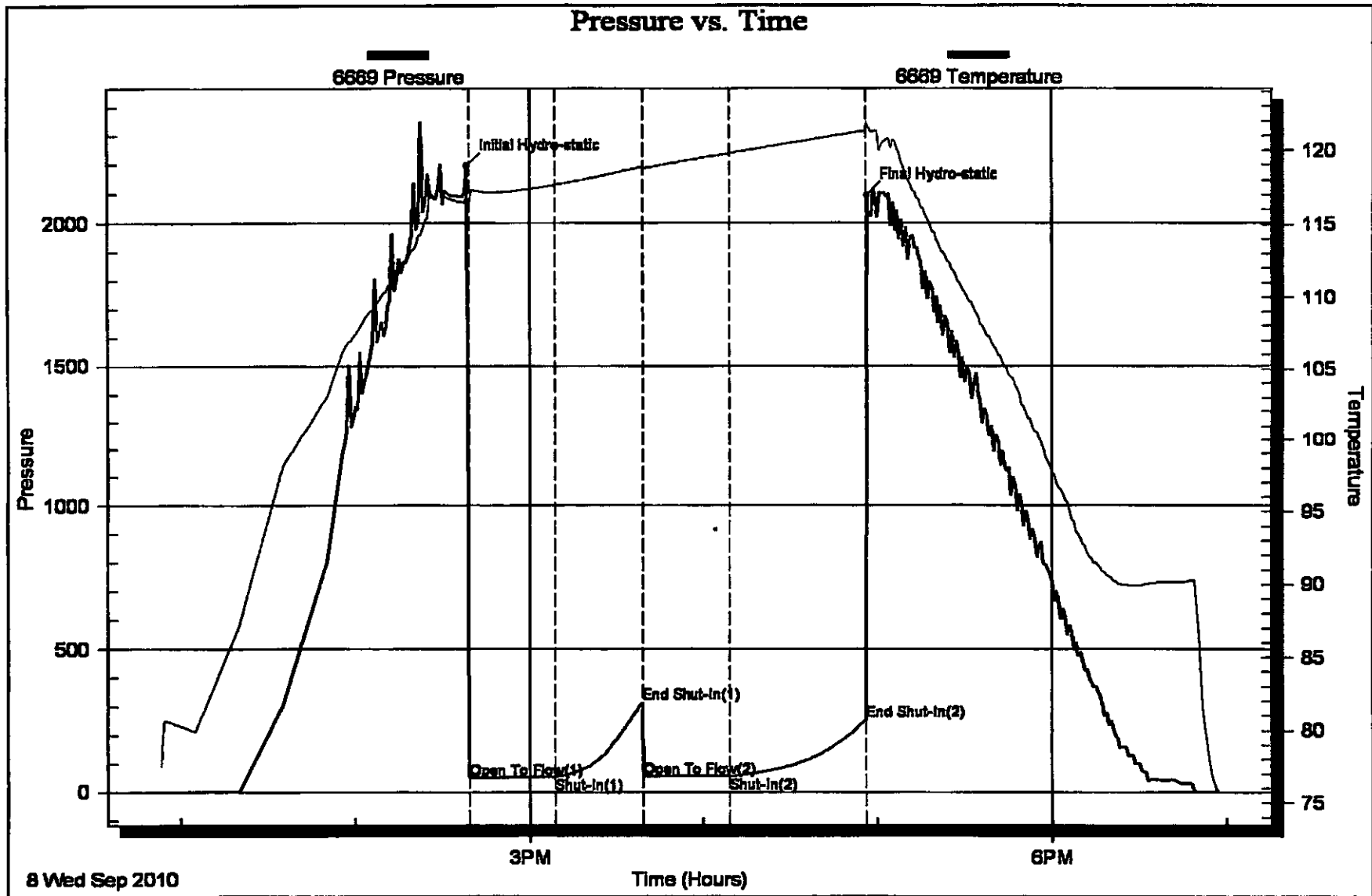
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRIOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 10 2010

Test Ticket

NO. 039721

Well Name & No. FIML Natural Resources LLC Test No. 1 Date 9-7-10
 Company Hufftle # 9A 3-1832 Elevation 4179 KB 4169 GL
 Address 410 17th St STE 900 Denver CO 80202
 Co. Rep / Geo. Josh Austin Rig Murkin 21
 Location: Sec. 3 Twp. 18 Rge. 32 Co. Scott State KS

Interval Tested 4179-4235 Zone Tested Lansing H & T
 Anchor Length 56' Drill Pipe Run 3928 Mud Wt. 9.3
 Top Packer Depth 4174 Drill Collars Run 240 Vis 48
 Bottom Packer Depth 4179 Wt. Pipe Run Ø WL 10.5
 Total Depth 4235 Chlorides 2200 ppm System LCM 3

Blow Description IF: BOB in 23 Min
IS: No Return Blow
FF: BOB in 35 Min.
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>206</u>	<u>Feet of MLW with oil Spots</u>		<u>60</u>	<u>40</u>	
<u>124</u>	<u>Feet of MLW</u>		<u>70</u>	<u>30</u>	
<u>240</u>	<u>Feet of MLW</u>		<u>90</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>570</u>	Feet of	%gas	%oil	%water	%mud

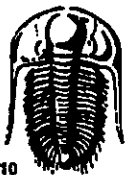
Rec Total 570 BHT - Gravity - API RW 84.7 @ .531 °F Chlorides 10,000 ppm

(A) Initial Hydrostatic 2065 Test 1225.09 T-On Location 09:11
 (B) First Initial Flow 35 Jars _____ T-Started 10:28
 (C) First Final Flow 167 Safety Joint _____ T-Open 12:30
 (D) Initial Shut-In 1047 Circ Sub NC T-Pulled 15:30
 (E) Second Initial Flow 181 Hourly Standby _____ T-Out 17:39
 (F) Second Final Flow 263 Mileage 10 RT- 12.50% Comments _____
 (G) Final Shut-In 1043 Sampler _____
 (H) Final Hydrostatic 1982 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1237.50/-
 Total _____
 MP/DST Disc't _____

Approved By [Signature] Our Representative Mats Roberts

Triobite Testing Inc. shall not be liable for damaged or 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.



TRIOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 10 2010

Test Ticket

NO. 039722

Well Name & No. Hueffle # 9D-3-1832 BY _____ Test No. 2 Date 9-8-10
 Company FML Natural Resources LLC Elevation 4179 KB 4169 GL
 Address 410 17th St. STE 900 Denver CO 80202
 Co. Rep / Geo. Josh Austin Rig Murfin 21
 Location: Sec. 3 Twp. 18 Rge. 32 Co. Scott State KS

Interval Tested 4336-4438 Zone Tested Marmaton-Altamount
 Anchor Length 102' Drill Pipe Run 4080 Mud Wt. 9.3
 Top Packer Depth 4331 Drill Collars Run 240 Vis 55
 Bottom Packer Depth 4336 Wt. Pipe Run Ø WL 7.2
 Total Depth 4438 Chlorides 2500 ppm System LCM 3
 Blow Description IF: Built to 3/4" blow started dying in 20min died in 28 min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Feet of M with oil spots</u>			<u>100</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 5 BHT 121 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm

(A) Initial Hydrostatic 2195 Test 1225.00 T-On Location 12:00
 (B) First Initial Flow 48 Jars _____ T-Started 12:53
 (C) First Final Flow 50 Safety Joint _____ T-Open 14:38
 (D) Initial Shut-In 313 Circ Sub NL T-Pulled 16:53
 (E) Second Initial Flow 53 Hourly Standby _____ T-Out 18:59
 (F) Second Final Flow 53 Mileage 10 RT = 12.50 Comments _____
 (G) Final Shut-In 253 Sampler _____
 (H) Final Hydrostatic 2095 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1237.50 Total 1237.50 MP/DST Disc't _____

Approved By [Signature]

Our Representative [Signature]

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