



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1221877
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: _____

1221877

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	MADDOG 1-14
Doc ID	1221877

Tops

Name	Top	Datum
Heebner Shale	4214	-2069
Lansing A	4392	-2247
Stark Shale	4876	-2731
Marmaton	5001	-2856
Pawnee	5113	-2968
Chester	5430	-3285
St. Gen	5752	-3607
St. Louis	5942	-3797
Spergen Warsaw	6356	-4211
Simpson Shale	7064	-4919
Arbuckle	7123	-4978

Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	MADDOG 1-14
Doc ID	1221877

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	6 foot interval	Shot	5446 - 5452
3	12 foot interval	Shot	5456 - 5468
		Acid; 2000g 15% NEFE	5446 - 5468
3	11 foot interval	Shot	6496 - 6507
		Acid; 1000g 15% NEFE MCA	6496 - 6507
		Acid; 3000g 15% NEFE MCA	6496 - 6507
	CIBP	CIBP w/2 sacks cement	6850
4	18 foot interval	Shot	6890 - 6908
		Acid; 1500g 15% NEFE MCA	6890 - 6908

Operator: Heiman L. Loeb
 Address: P.O. Box 838
 Lawrenceville, IL
 62439-0838

Thomas G. Pronold
 Consulting Petroleum Geologist
 2250 No. Rock Road, No. 118-1
 Wichita, KS 67226
 P/316-687-5758 M/316-461-8127
 tpronold@sbcglobal.net

Well Name: Maddog #1-14
 Location: 398' FSL & 446' FEL Sec. 14 T33S R26N, Meade County, KS
 API No.: 15-119-21367
 Field Name: Wlloca
 Spud Date: 05/17/2014 Drilling Completed: 05/29/2014
 Bottom Hole Location: As above
 Ground Level: 2134' KB Elevation: 2145'
 Logged Interval: 4150'
 Drilling Fluid Type: Freshwater/Gel to 3000', Chemical/Gel to 7350'

DST #1 Pawnee Limestone 5100'-5145' 30"-30"-30"-60" Initial Open: Weak blow, less than 1", Final open: Fair blow built to 4", No blow back either shut in, Rec. 20' VSOCM (1% O₂, 99% WH), 290' GIP, IHP 2556#, IFP 20-29#, ISIP 554#, PFP 27-39#, FSIP 507#, PHP 2450# BHT 117 Deg. F

DST #2 Chester 'B' 5426-5477 15"-45"-45"-90", Initial Open: Strong blow, bottom of the bucket immediately, gas to surface in 13 minutes; initial shut-in, no blow back. Final Open: Strong blow, bottom of the bucket immediately, gauged gas as follows with the associated Pressures:

Minutes	PSIG	Orifice	MCFD	IHP	2809#
10	17#	1 1/2"	197.8	IHP	221-144#
20	17.5#	1 1/2"	200.9	ISIP	198#
30	16#	1 1/2"	191.6	PFP	78-7#
40	15#	1 1/2"	185.3	FSIP	1967#
45	15#	1 1/2"	185.3	PHP	2550#

Recovery consisted of 80 foot of water cut mud, 7% water, 93% mud. Chlorides 67,000 ppm.

DST #3 Chester 'C' 5476-5525 15"-45"-30"-60" Initial Open: Fair blow built to 5", Final open: Weak blow built to 3", No blow back during shut-in. Rec. 200' GIP, 20' Mud, IHP 2809#, IFP 24-30#, ISIP 157#, PFP 25-30#, FSIP 171#, FSIP 2702# BHT 122 Deg. F

DST #4 Spargen-Waraw 6475-6520 15"-45"-45"-90" Initial Open: Strong Blow, BOB 8 1", Final open: Strong Blow, BOB immediately, GTS 44" No blow back during either shut-in. Rec. 20' Mud, IHP 3402#, IFP 24-37#, ISIP 2115#, PFP 22-39#, FSIP 2324#, BHT 122 Deg. F

COMMENTS

RODA set 80' of 20" Conductor at 72' KB. 05/17/14 MIRR Sterling Drilling Rig 2, Spud 12 Surface hole at 10:30 PM. To 1447'. 05/18/14 WOC at 1447' Driller cut surface short by 42' Laid down one joint of surface pipe. 05/19/2014 Drilling at 2027' 05/20/2014 Drilling at 3397'. 05/21/2014 Drilling ahead at 4862'. 05/22/2014 Trip out with test tool at 5145' after DST 1. 05/23/2014 Drilling at 5370'. 05/24/2014 Trip in hole at 5477' after DST 2. 5478' Drilling ahead. 05/25/2014 Drilling ahead at 5538'. 05/26/2014 Drilling ahead at 6424'. 05/27/2014 Trip in hole with bit at 6520'. 05/28/2014 Drilling ahead at 7000'. 05/29/2014 Circulating for samples at RTD of 7350'.

20" Conductor set at 72' (KB). New 8 5/8" (24#) set at 1447' (KB) with 330 sacks A-Conn: 2# CC, # Poly and tailed in with 150 sacks Class C. Plug down at 6:00 AM, 05/18/14.

Set new 5 1/2" (17#) Production Casing at 7149' with 350 sacks of "Loeb Blend" cement (Basic Energy Services) PD at 9:00 AM 05/31/2014. Set port collar at [].

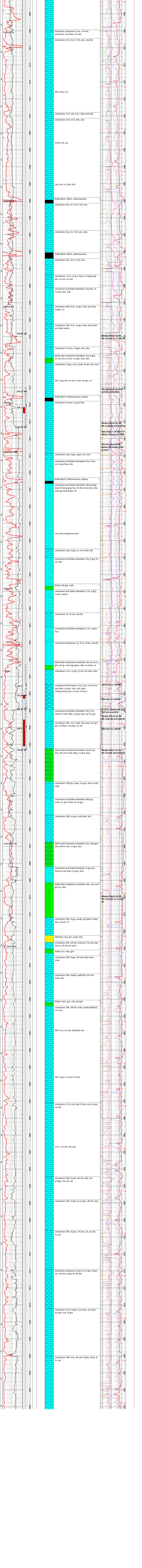
Surveys: 1/4 deg at 5150, 1/4 degree at 6520.

Pipe strap at DST #1. 1.19' Short to board. No correction made to board.

Encountered a 12 Unit Gas Kick in the Council Grove 'A' porosity from 2742 to 2750.

Log tops: Heobner Shale 4214 (-2069), Lansing 'A' 4392 (-2247), Stark Shale 4876 (-2731), Marston 5001 (-2856), Pawnee 5113 (2968), Chester 5430 (-3285), St. Genevieve (5752 (-3607), St. Louis 5942 (-3797), Spargen 6356 (-4211), Simpson Shale 7064 (-4919), Atzackule 7123 (-4978)

After review of Electric Logs, Drilling test results and samples description the operator has elected to set new 5 1/2" Production Casing for completion in the Spargen and Chester 'B'.







6076/196 maddog
0439

PAGE	CONTRACT NO	INVOICE DATE
1 of 1	1007589	05/19/2014
INVOICE NUMBER		
1717 - 91493256		

Liberal (620) 624-2277
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME Mad Dog #1-14
O LOCATION
B COUNTY Meade
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40723934	19570		Net - 30 days	06/18/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 05/18/2014 to 05/18/2014				
0040723934				
171705833A Cement-New Well Casing/Pi 05/18/2014 8 5/8" Surface				
A-Con' Blend	330.00	EA	12.63	4,168.96 T
Premium Plus Cement	150.00	EA	11.07	1,660.66 T
Calcium Chloride	1,215.00	EA	0.71	866.50 T
Celloflake	120.00	EA	2.51	301.57 T
C-51	63.00	EA	16.98	1,069.75 T
"Guide Shoe - Regular, 8 5/8" (Blue)"	1.00	EA	258.10	258.10
"Flapper Ins. Ft. Vlv., 8 5/8" (Blue)"	1.00	EA	190.18	190.18
Antelope Strd Bow Cent. 8 5/8 X 12 1/4	3.00	EA	98.49	295.46
"Cmt Basket, Canvas 8 5/8"	1.00	EA	713.17	713.17
"Top Rubber Cmt Plug, 8 5/8" ""	1.00	EA	152.82	152.82
Heavy Equipment Mileage	150.00	MI	4.75	713.17
Blending & Mixing Service Charge	480.00	BAG	0.95	456.43
"Proppant & Bulk Del. Chgs., per ton mil	1,130.00	EA	1.49	1,688.51
Depth Charge; 1001'-2000'	1.00	EA	1,018.81	1,018.81
Plug Container Util. Chg.	1.00	EA	169.80	169.80
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	2.89	144.33
"Service Supervisor, first 8 hrs on loc.	1.00	EA	118.86	118.86

PAID
50080
MAY 29 2014

SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,987.08
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	657.50
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	14,644.58
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 05833 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-18-14 DISTRICT 1717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Herman Loeb		LEASE Mad Dog #1-14 WELL NO.:							
ADDRESS		COUNTY Meade STATE KS							
CITY STATE		SERVICE CREW I. Chavez, Sam, David, Seth							
AUTHORIZED BY Sam Benth JRB		JOB TYPE: 242 8 3/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
							3-17-14	PM	-1000
78938	8	70897	8	30464	8	ARRIVED AT JOB	3-18-14	AM	-1215
		19570	1	37547	1	START OPERATION	3-18-14	AM	-435
19827	8					FINISH OPERATION	3-18-14	AM	-610
19883	1					RELEASED	3-18-14	AM	-700
						MILES FROM STATION TO WELL	50		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *X W. M. ...*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL101	A-Con Blend	SK	330		6138 00
CL110	Premix Plus Cont	SK	150		2445 00
CC109	Calcium Chloride	LB	1215		1275 75
CC102	CelloFlake	LB	120		444 00
CC130	C-51	LB	63		1575 00
CF253	Guide Shoe	EA	1		380 00
CF1453	Insert Float Valve	EA	1		280 00
CF4405	Centralizer 8 3/8	EA	3		435 00
CF4550	Cont Basket	EA	1		1050 00
CF105	Rubber Plug	EA	1		225 00
E101	Heavy Equipment Mileage	mi	150		1050 00
CE240	Blendbit Mixing Chisel	SK	480		672 00
E113	Bit Bit Mixing Chisel	TM	1130		2486 00
CE202	Depth Chisel	4Lg	1		1500 00
CE504	Plus Container Chisel	job	1		250 00
E100	Pickup Mileage	mi	50		212 50
5003	Service Supervision	EA	1		175 00
SUB TOTAL					13987 08

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>Sam Benth</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>X W. M. ...</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
---	---

FIELD SERVICE ORDER NO. _____



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer	<i>Herman Loeb</i>	Lease No.		Date	<i>5-18-14</i>
Lease	<i>Mad Dog</i>	Well #	<i>1-14</i>	Service Receipt	<i>5833</i>
Casing	<i>8 7/8</i>	Depth	<i>1446</i>	County	<i>Meade</i>
Job Type	<i>242 Surface</i>	Formation		State	<i>KS</i>
				Legal Description	<i>14-33-26</i>

Pipe Data		Perforating Data		Cement Data
Casing size	<i>8 7/8</i>	Tubing Size		Lead <i>3305K A-Cor</i> <i>2.95F7-5K</i>
Depth	<i>1444</i>	Depth	<i>5542</i>	
Volume	<i>89.5</i>	Volume		<i>18.1 Gd-5K 11.4#</i>
Max Press	<i>2000</i>	Max Press		Tail in <i>150 5K Class C</i>
Well Connection	<i>8 7/8</i>	Annulus Vol.		<i>1734 F7-5K</i>
Plug Depth	<i>1404</i>	Packer Depth		<i>6.3362-9K 14.8#</i>

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>1215</i>					<i>Arrive On Location</i>
<i>1235</i>					<i>Safety Meeting Rig Up</i>
<i>130</i>					<i>Rig Pump Casing</i>
<i>400</i>					<i>Circulate w/Rig</i>
<i>430</i>					<i>Hook up To BES</i>
<i>435</i>	<i>1900</i>	<i>1900</i>	<i>1</i>	<i>1</i>	<i>Pressure Test</i>
<i>449</i>	<i>300</i>		<i>173</i>	<i>5</i>	<i>Pump Lead out @ 11.4#</i>
<i>520</i>	<i>200</i>		<i>36</i>	<i>5</i>	<i>Pump Tool out @ 14.8#</i>
<i>530</i>					<i>Drop Plug - Wash Up</i>
<i>535</i>	<i>300</i>		<i>80</i>	<i>6</i>	<i>Displace</i>
<i>555</i>	<i>700</i>		<i>10</i>	<i>2</i>	<i>Slow Down</i>
<i>600</i>	<i>1200</i>		<i>1</i>	<i>1</i>	<i>Hard Plug - Float Held</i>
<i>720</i>					<i>Job Complete</i>
					<i>Cement To Surface</i>

Service Units	<i>78938</i>	<i>70897-19570</i>	<i>30404-37547</i>	<i>19827-19880</i>	
Driver Names	<i>Izzy</i>	<i>Sam</i>	<i>Smith</i>	<i>DAVID</i>	

Quodo
Customer Representative

Sam Best
Station Manager

David Chavez
Cementer



1076
176 maddog
6438

PAGE 1 of 1	ST NO 1007589	INVOICE DATE 06/02/2014
INVOICE NUMBER 1717 - 91505162		

Liberal (620) 624-2277
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O **ATTN:** ACCOUNTS PAYABLE

J **LEASE NAME** Mad Dog # 1-4
 O **LOCATION**
 B **COUNTY** Meade
 S **STATE** KS
 I **JOB DESCRIPTION** Cement-New Well Casing/Pi
 T
 E **JOB CONTACT**

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40728275	37726		Net - 30 days	07/02/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/30/2014 to 05/30/2014</i>				
0040728275				
171705669A Cement-New Well Casing/Pi 05/30/2014 Cement Production				
50/50 POZ	400.00	EA	7.30	2,920.88 T
Gypsum	1,680.00	EA	0.50	836.44 T
KCL - Potassium Chloride	904.00	EA	1.00	900.17 T
Gilsonite	2,400.00	EA	0.44	1,067.46 T
Celloflake	100.00	EA	2.46	245.62 T
C-41P	84.00	EA	2.66	223.05 T
C-15	168.00	EA	8.30	1,394.07 T
"Cmt. Shoe Packer Type, 5 1/2" (Red)"	1.00	EA	2,456.21	2,456.21
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	265.54	265.54
Antelope 5 1/2 X 7 7/8 Turbo	15.00	EA	49.79	746.82
"Cmt Basket, Canvas 5 1/2"	3.00	EA	633.97	1,901.90
Mud Flush	1,000.00	EA	0.57	570.90 T
Heavy Equipment Mileage	100.00	MI	4.65	464.69
Blending & Mixing Service Charge	400.00	BAG	0.93	371.75
"Proppant & Bulk Del. Chgs., per ton mil	840.00	EA	1.46	1,226.78
Depth Charge; 7001'-8000'	1.00	EA	2,389.83	2,389.83
Plug Container Util. Chg.	1.00	EA	165.96	165.96
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	2.82	141.07
"Service Supervisor, first 8 hrs on loc.	1.00	EA	116.17	116.17
"Cement Pumper, Add'l hrs. on Location"	3.00	HR	331.92	995.76

PAID
50378
JUN 12 2014
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	19,401.07
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	583.34
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	19,984.41
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 05669 A

DATE 5/30 TICKET NO. _____

DATE OF JOB 5/30/14 DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Herman Loeb		LEASE Mad Dog WELL NO. 1-14							
ADDRESS		COUNTY Meade STATE KS							
CITY STATE		SERVICE CREW							
AUTHORIZED BY Tyce Davis		JOB TYPE: 742 Production							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 5/30	AM PM	TIME
78939	11 1/2					ARRIVED AT JOB		AM PM	11:00
37223/37426	11 1/2					START OPERATION		AM PM	5:20
30463/19566	11 1/2					FINISH OPERATION		AM PM	9:20
						RELEASED		AM PM	10:30
						MILES FROM STATION TO WELL	50		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Mark Polley*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CK 104	50/50 POZ	SK	400		4400 00
CC 113	Gypsum	lb	1680		1260 00
C 700	KCL Potassium Chloride	lb	904		1356 00
CC 201	Gilsonite	lb	2400		1608 00
CC 102	Celloflake	lb	100		320 00
CC 105	C-41P	lb	84		336 00
CC 103	C15	lb	168		2100 00
CF 1001	Cementing Shop Packer Type 5 1/2"	ea	1		3700 00
CF 607	Latch Down Plug + Baffle 5 1/2"	ea	1		400 00
CF 445Z	Economizer Hinged Metal Control Valve 5 1/2"	ea	15		1125 00
CF 455Z	Cement Baskets, Canvas 5 1/2"	ea	3		2865 00
CC 151	Mod Flush	gal	1000		860 00
E 101	Heavy Equipment Mileage	mi	100		700 00
CE 240	Blending + Mixing Service Charge	SK	400		560 00
E 113	Proppant and Bulk Delivery Charges	TN	840		1848 00
CE 208	Depth Charge 7001-8000	4hrs	1		3600 00
LE 504	Plug Container Utilization Charge	Job	1		250 00
E 100	Unit Mileage Charge Pickup, Small Vehicle	mi	50		212 50
S 003	Service Supervisor, first 8 hrs on location	ea	1		175 00
SUB TOTAL					19401 04

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>Tommy Marcellus</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Mark Polley</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
---	---

FIELD SERVICE ORDER NO. _____



Cement Report

Customer	Herman Loeh		Lease No.		Date	5/30/14	
Lease	Mad Dog		Well #	1-14	Service Receipt	1717 05669A	
Casing	5 1/2" 17#	Depth	7150	County	State		
Job Type	Production		Formation	Legal Description			
Pipe Data			Perforating Data			Cement Data	
Casing size	5 1/2" 17#	Tubing Size	Shots/Ft			Lead	
Depth	7150	Depth	From	To		50/50 Poz 14#	
Volume	165.88 BBLs	Volume	From	To		1.34 ft ³ /SK 5.49 gal/SK	
Max Press	3000 psi	Max Press	From	To		Tail in	
Well Connection	PC	Annulus Vol.	From	To			
Plug Depth	7106	Packer Depth	From	To			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
11:00					On location		
11:34					Safety Meeting + Run Float Equipment		
					Centralizers @ 2, 4, 6, 9, 13, 15, 20, 25, 30		
					37, 38, 40, 45, 47, 51		
					Baskets @ 3, 12, 36		
13:25					Break Circulation @ 45 STS		
15:05					Break Circulation @ 90 STS		
16:10					Break Circulation @ 130 STS		
17:20					Rig up		
17:55					Drop Ball		
18:25					Pressure Test lines to 3000 psi		
18:29	320			1.26			
18:31	520		2	1.1			
18:35	380		8	1.4	Shut Down + wait 10 min		
18:45	1190		1	2 BPM	Opened tool		
18:47	350		4	2.7 BPM			
18:50					Hookup Rig + pump wash for 1 hr		
20:00	300		5 BBL water	4 BPM	Hookup Truck + pump Mad Plus A water		
	300		24 BBL Muds	4 BPM	Mid flush		
	310		5 BBL	4 BPM	water		
20:15			12 BBL		Cement Rat + Mouse w/ slurry		
20:25	400 psi		83.5 BBL	10.29 BPM	Start Cement 350 SKS, 50/50 Poz		
20:44					Shut Down, Washup to PH		
Service Units	78939	37223/34726	30463/19566				
Driver Names	Chad Hinz	Tommy Mancillas	Santiago Perez				

George Payne
Customer Representative

Tommy Bennett
Station Manager

Tommy Mancillas
Cementer



JOB LOG CONT

TICKET#
171705669A

TICKET DATE 5/30/14
Mad dog 1-14 Prod. 5!

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press. (PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	20:46							Drop Plug
	20:50							Start Disp
		7.7	10		200			
		7.7	20		220			
		7.8	30		220			
		7.8	40		240			
		7.8	50		240			
		7.8	60		240			
		7.8	70		240			
		7.8	80		240			
		7.8	90		240			
		7.5	100		460			
		7.28	110		540			
		6.9	120		720			
		6.5	130		830			
		6.3	140		880			
		5.8	150		1060			
		3.2	154		940			Cut Rate / 1 Pump
		2.8	160		980			
	21:16	0	164.8		1080			
	21:16				1100			Final Pressure
	21:20							Released Back 1/2 BBC Plug hold Job Complete.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
Job Ticket: 51983 **DST#: 1**
Test Start: 2014.05.22 @ 01:47:14

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 04:17:59
Time Test Ended: 08:50:14
Interval: **5100.00 ft (KB) To 5145.00 ft (KB) (TVD)**
Total Depth: 5145.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68
Reference Elevations: 2145.00 ft (KB)
2134.00 ft (CF)
KB to GR/CF: 11.00 ft

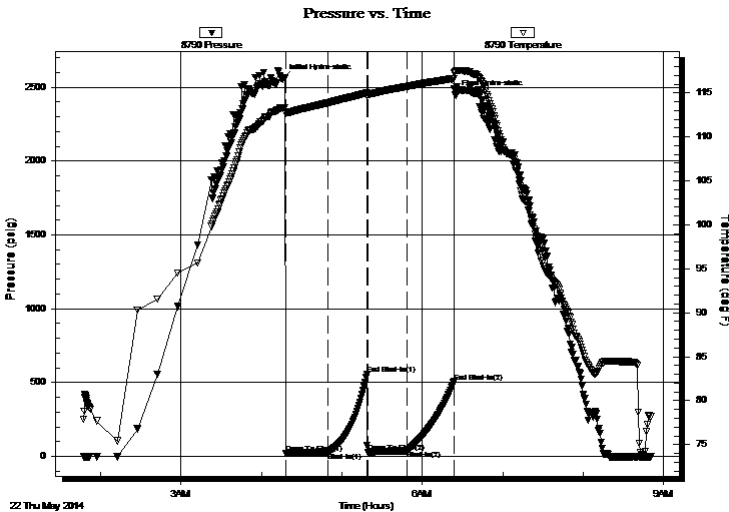
Serial #: 8790

Inside

Press@RunDepth: 38.77 psig @ 5104.00 ft (KB)
Start Date: 2014.05.22 End Date: 2014.05.22
Start Time: 01:47:19 End Time: 08:50:13
Capacity: 8000.00 psig
Last Calib.: 2014.05.22
Time On Btm: 2014.05.22 @ 04:15:44
Time Off Btm: 2014.05.22 @ 06:24:29

TEST COMMENT: IF: Weak blow . surf. - 1"
IS: No blow
FF: Fair blow . 1/2" - 4"
FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2556.16	113.34	Initial Hydro-static
3	19.97	112.66	Open To Flow (1)
34	29.20	113.87	Shut-In(1)
63	553.99	115.01	End Shut-In(1)
64	26.66	114.85	Open To Flow (2)
93	38.77	115.74	Shut-In(2)
128	506.74	116.64	End Shut-In(2)
129	2449.51	117.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSLIOCM 1%o, 99% m	0.10
0.00	290' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
Job Ticket: 51983 **DST#: 1**
Test Start: 2014.05.22 @ 01:47:14

Mud and Cushion Information

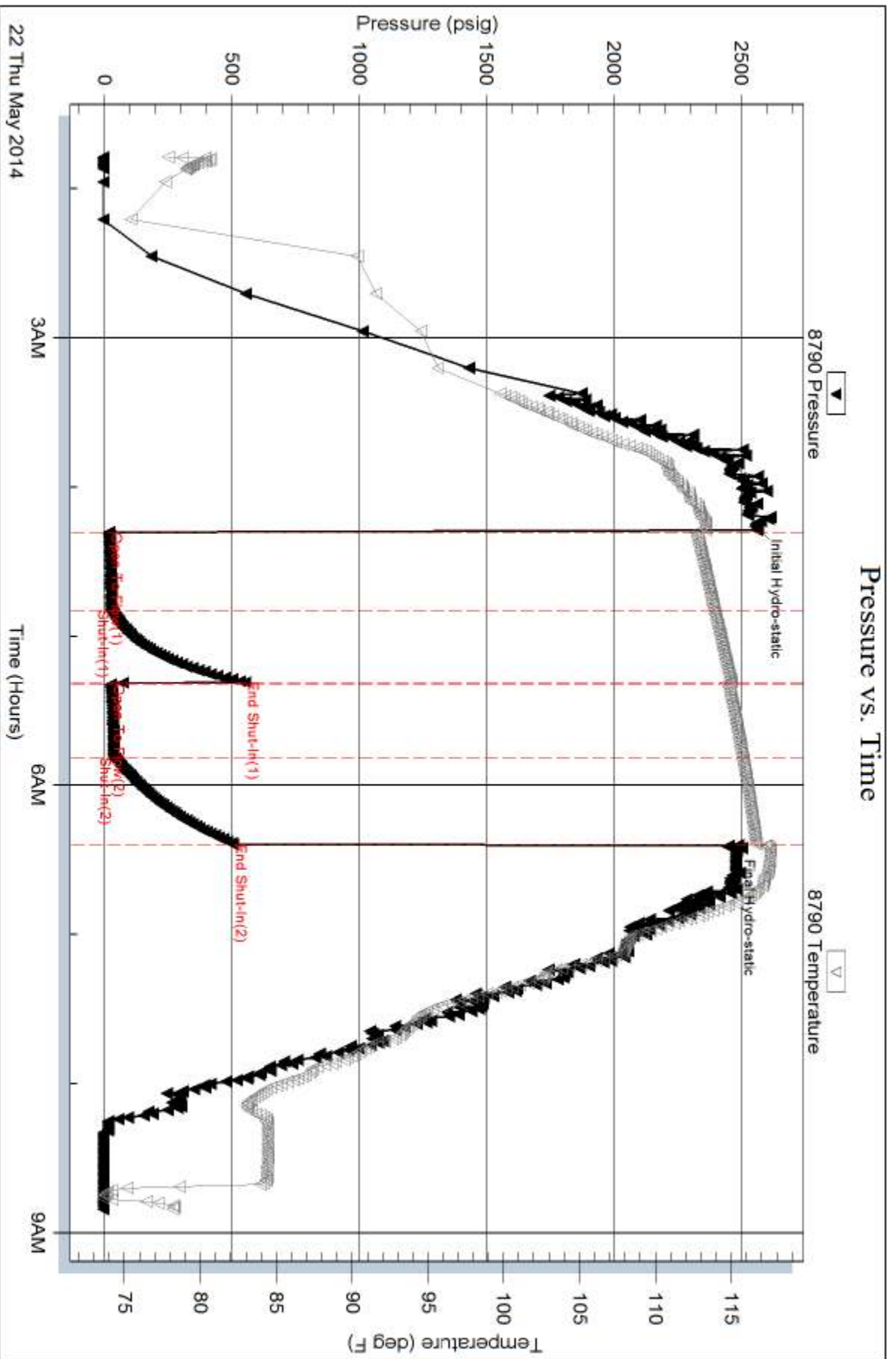
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	4400 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	VSLI OCM 1%o, 99%m	0.098
0.00	290' GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC.
 P.O. Box 838
 Lawrenceville, IL 62439
 ATTN: Tom Pronhold

14-33s-26w Meade Co., KS

MadDog 1-14

Job Ticket: 51984

DST#: 2

Test Start: 2014.05.23 @ 21:20:24

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 00:18:09

Time Test Ended: 06:33:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 68

Interval: 5426.00 ft (KB) To 5477.00 ft (KB) (TVD)

Total Depth: 5477.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2145.00 ft (KB)

2134.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8790 Inside

Press @ RunDepth: 71.36 psig @ 5433.00 ft (KB)

Start Date: 2014.05.23

End Date:

2014.05.24

Start Time: 21:20:29

End Time:

06:33:39

Capacity: 8000.00 psig

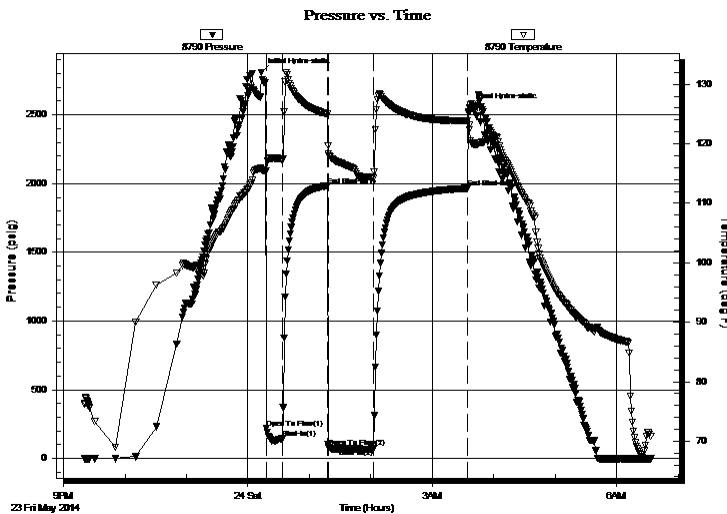
Last Calib.: 2014.05.24

Time On Btm: 2014.05.24 @ 00:13:09

Time Off Btm: 2014.05.24 @ 03:35:54

TEST COMMENT: IF: Strong blow . BOB immed. GTS @ 13min.
 IS: No blow
 FF: Strong blow . BOB immed. Guaged gas
 FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2808.58	115.67	Initial Hydro-static
5	220.85	115.48	Open To Flow (1)
21	143.97	117.37	Shut-In(1)
65	1983.99	125.00	End Shut-In(1)
66	77.81	118.31	Open To Flow (2)
110	71.36	114.21	Shut-In(2)
202	1966.68	123.88	End Shut-In(2)
203	2549.47	123.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	WCM 7%w, 93%m	0.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	17.00	215.86
Last Gas Rate	0.50	15.00	202.37
Max. Gas Rate	0.50	17.50	219.24

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
Job Ticket: 51984 **DST#: 2**
Test Start: 2014.05.23 @ 21:20:24

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:	67000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WCM 7%w, 93%m	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Herman L. Loeb, LLC.

14-33s-26w Meade Co., KS

P.O. Box 838
Lawrenceville, IL 62439

MadDog 1-14

Job Ticket: 51984

DST#: 2

ATTN: Tom Pronhold

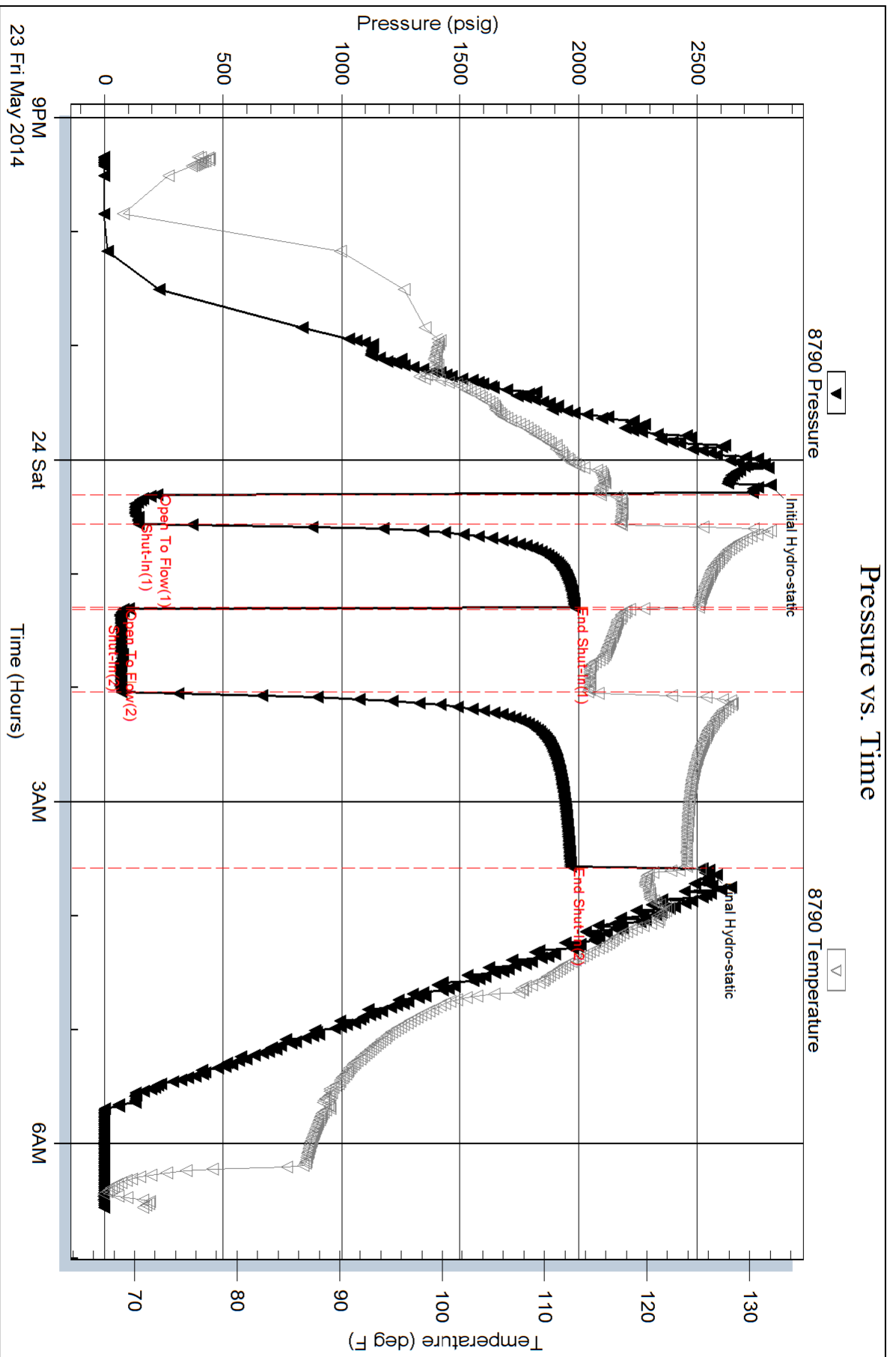
Test Start: 2014.05.23 @ 21:20:24

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	17.00	215.86
2	20	0.50	17.50	219.24
2	30	0.50	16.00	209.12
2	40	0.50	15.00	202.37
2	45	0.50	15.00	202.37





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC.
 P.O. Box 838
 Lawrenceville, IL 62439
 ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
 Job Ticket: 51985 **DST#: 3**
 Test Start: 2014.05.24 @ 16:15:25

GENERAL INFORMATION:

Formation: **Chester C**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 18:46:10
 Time Test Ended: 23:58:25
 Interval: **5476.00 ft (KB) To 5525.00 ft (KB) (TVD)**
 Total Depth: 5525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 68
 Reference Elevations: 2145.00 ft (KB)
 2134.00 ft (CF)
 KB to GR/CF: 11.00 ft

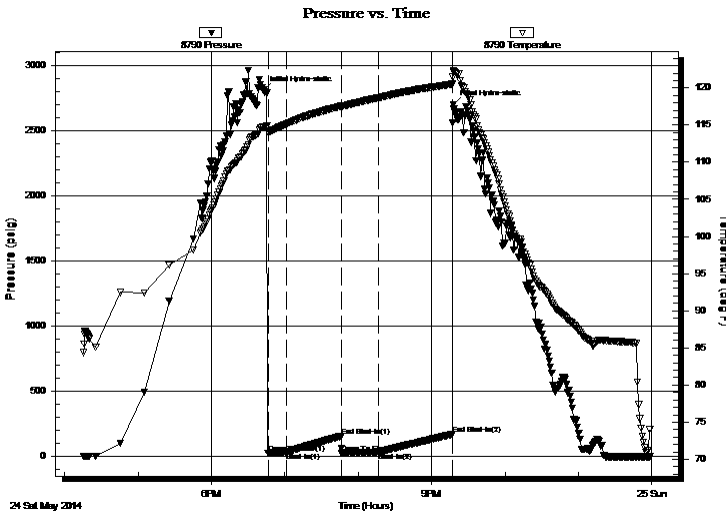
Serial #: 8790

Inside

Press @ Run Depth: 30.48 psig @ 5483.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.24 End Date: 2014.05.24 Last Calib.: 2014.05.25
 Start Time: 16:15:30 End Time: 23:58:24 Time On Btm: 2014.05.24 @ 18:42:25
 Time Off Btm: 2014.05.24 @ 21:17:40

TEST COMMENT: IF: Fair blow . 1 - 5"
 IS: No blow
 FF: Weak blow . 2 - 3"
 FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2809.10	114.73	Initial Hydro-static
4	24.45	114.18	Open To Flow (1)
19	30.44	115.15	Shut-In(1)
64	156.53	117.55	End Shut-In(1)
64	25.30	117.51	Open To Flow (2)
94	30.48	118.67	Shut-In(2)
155	170.54	120.52	End Shut-In(2)
156	2701.63	122.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig mud	0.10
0.00	200' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
Job Ticket: 51985 **DST#: 3**
Test Start: 2014.05.24 @ 16:15:25

Mud and Cushion Information

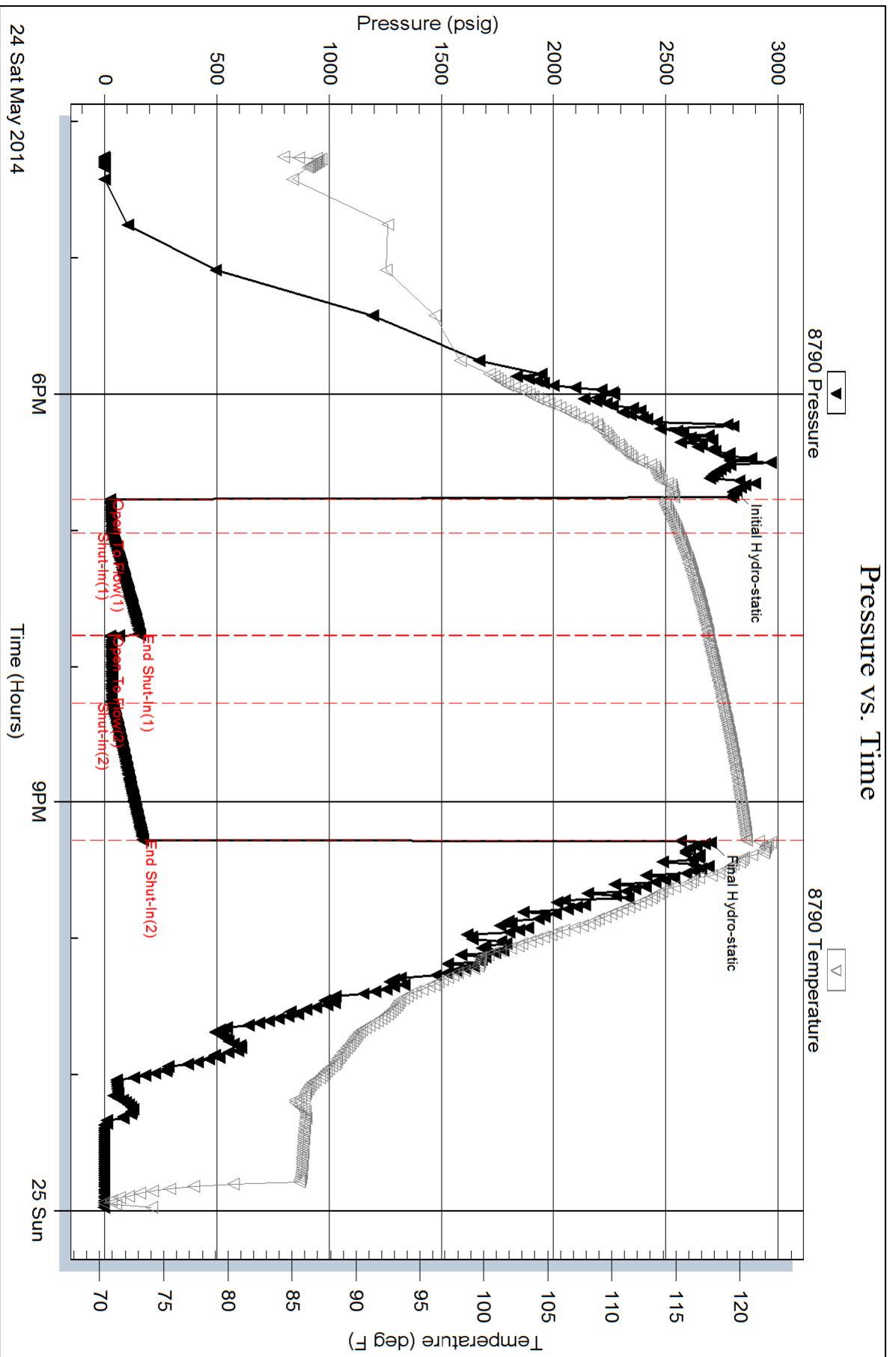
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	4100 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig mud	0.098
0.00	200' GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS

MadDog 1-14

Job Ticket: 51986

DST#: 4

Test Start: 2014.05.26 @ 18:07:27

GENERAL INFORMATION:

Formation: **Spergen - Warsaw**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 21:03:57

Time Test Ended: 03:47:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 68

Interval: 6475.00 ft (KB) To 6520.00 ft (KB) (TVD)

Reference Elevations: 2145.00 ft (KB)

Total Depth: 6520.00 ft (KB) (TVD)

2134.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8790

Inside

Press @ Run Depth: 39.37 psig @ 6479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.26 End Date: 2014.05.27

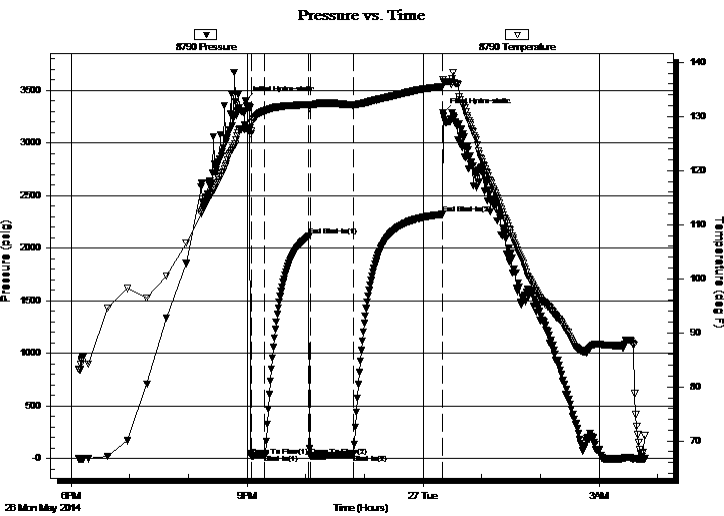
Last Calib.: 2014.05.27

Start Time: 18:07:32 End Time: 03:47:27

Time On Btm: 2014.05.26 @ 20:58:42

Time Off Btm: 2014.05.27 @ 00:20:27

TEST COMMENT: IF: Strong blow . BOB @ 1min.
IS: No blow
FF: Strong blow . BOB immed. GTS @ 44min. TSTM
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3402.60	127.75	Initial Hydro-static
6	23.84	127.26	Open To Flow (1)
20	37.39	131.03	Shut-In(1)
65	2115.27	132.23	End Shut-In(1)
66	22.32	131.81	Open To Flow (2)
111	39.37	132.10	Shut-In(2)
201	2323.64	135.53	End Shut-In(2)
202	3292.25	136.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig mud 100% m	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC.
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Tom Pronhold

14-33s-26w Meade Co., KS
MadDog 1-14
Job Ticket: 51986 **DST#: 4**
Test Start: 2014.05.26 @ 18:07:27

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:	4400 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.99 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	Drig mud 100% m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

