



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1227548  
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: \_\_\_\_\_

1227548

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

<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 <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	COOLHAND 1-22
Doc ID	1227548

All Electric Logs Run

Microlog
ACRT
Sonic
NEU/DEN

Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	COOLHAND 1-22
Doc ID	1227548

Tops

Name	Top	Datum
Heebner Shale	4343	-2050
Lansing 'A'	4522	-2229
Marmaton	5136	-2843
Chester	5572	-3283
St. Genevieve	5903	-3610
St. Louis	6156	-3863
Spergen	6342	-4049
Viola	6774	-4481







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

Thomas G. Pronold  
Consulting Petroleum Geologist  
2250 No. Rock Road, No. 1181  
Wichita, KS 67226  
P/316-687-5758 M/316-461-8127  
tpronold@sbcglobal.net

Well Name: Coolhand #1-22  
Location: 2600' FSL & 1400' FWL Sec. 22 T33S R26W, Meade County, KS  
API No.: 15-119-21369  
Field Name: Wildcat  
Spud Date: 07/22/2014 Drilling Completed: 08/02/2014  
Bottom Hole Location: As above  
Ground Level: 2275' (After location was built) KB Elevation: 2286'  
Logged Interval: 4300' - 7200'  
Drilling Fluid Type: Freshwater/Gel to 3100', Chemical/Gel to 7200'

DST #1 Pawnee 5235-5275 15°-45°-30°-60° Initial Open: Strong Blow, B. O. B. 3 minutes, No blow back, Final open: Strong Blow, B. O. B. in 20 seconds, No blow back. Rec. 20" GIP, 90' GOCM (28% G, 70% M), 120' GOCM (56% G, 9% O, 12% W, 23% M) IIP 2465#, IFP 22-44#, ISIP 1845#, FFP 44-95#, FSP 852#, FHP 2571, BHT 121 Deg. F C.I. 24,000 ppm

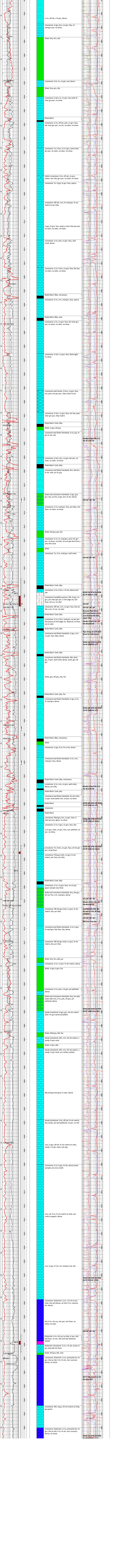
DST #2 Chester 'C' 5620-5698 15°-45°-30°-60° Initial Open: Fair to strong blow, B. O. B. in 9 minutes, Final open: Strong Blow, B. O. B. in 2-3 seconds, No blow back. Rec. 1390' GIP, 30' GCM (12% G, 88% M), IHP 2735#, IFP 29-33#, ISIP 1058#, FFP 16-24#, FSP 1478#, FHP 2643 BHT 118 Deg. F

DST #3 Spergen 6326-6351 15°-45°-30°-60° Initial Open: Weak Blow, 1/2-2 inches, Final open: Weak Blow, Slow increase to 4 inches, No blow back during either shut-in. Rec. 110' GIP, 10' Mud, IHP 3324#, IFP 18-19#, ISIP 244#, FFP 18-19#, FSP 315#, FHP 335 BHT 131 Deg. F

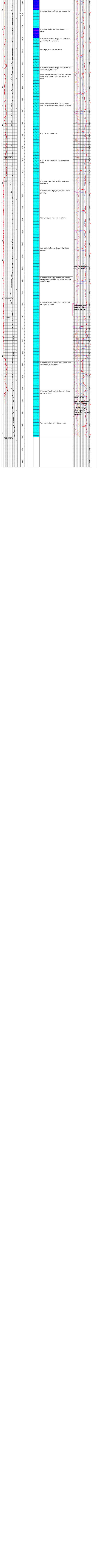
COMMENTS  
07/19/14 KOD set 80' of 20" Conductor at 91' KB. 07/22/14 MIRU Sterling Drilling Rig 2, Spud 12 1/2" Surface Hole at 7:00 PM. To 1370'. 07/23/14 Making short trip at 1370'. 07/24/2014 Drilling 7 7/8" hole at 1350' 07/25/2014 Drilling at 3315'. 07/26/2014 Drilling ahead at 4866'. 07/27/2014 Rigging up DST #1 at 5275. 07/28/2014 Drilling at 5445'. 07/29/2014 Trip in hole with test tool for DST #2 at 5698. 07/30/2014 Drilling ahead at 6047'. 07/31/2014 Trip in hole with test tool for DST #3 at 6351. 08/01/2014 Trip in hole with new PDC bit at 6374'. 08/02/2014 Drilling ahead at 6968'. 08/03/2014 Logging.

20" Conductor set at 80' (RB). Set new 2 1/2" 8 5/8" surface pipe at 1360' RB with 330 sbs A-Corr, 3/8 CC, 3/4 F.S. Tailled with 150 sbs Premium plus 3% CC, 3/4 F.S.  
Surveys: 3/4 deg at 1370', 1 1/4 deg at 5275, 3/4 degree at 5698, 3/4 degree at 7200.  
Pipe strap at DST #1. 0.083 Short to board. No correction made to board.  
Log tops: Heebner Shale 4343 (-2050), Lansing 'A' 4522 (-2229), Stark Shale 5008 (-2717), Heamaton 5136 (-2843), Pawnee 5252 (-2959), Chester 5712 (-3283), St. Genevieve (5903 (-3610), St. Louis 6156 (-3863), Spergen 6342 (-4049), Viola 6774 (-4483).

After review of Electric Logs, Drillstem Test results and samples description the operator has elected to plug and abandon the Coolhand 1-22.









**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Herman L. Loeb LLC  
 P.O.Box 838  
 Lawrenceville Il. 62439  
 ATTN: Tom Pronold

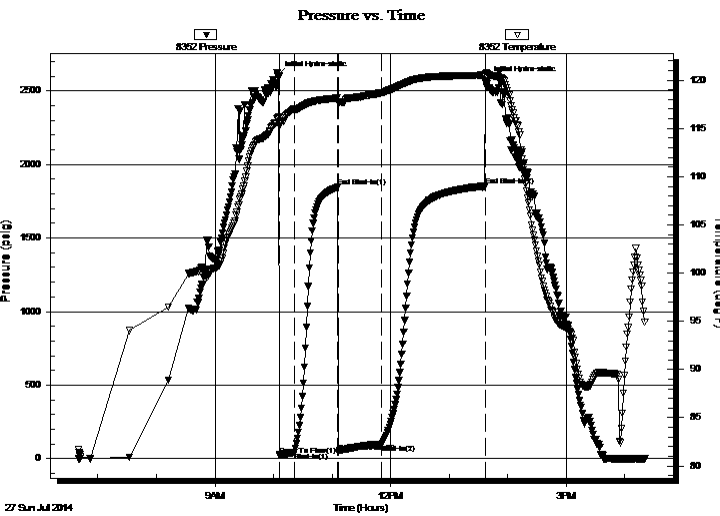
**22-33s-26w Meade Ks.**  
**Coolhand#1-22**  
 Job Ticket: 54237 **DST#: 1**  
 Test Start: 2014.07.27 @ 06:40:03

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:06:03  
 Time Test Ended: 16:21:18  
 Interval: **5235.00 ft (KB) To 5275.00 ft (KB) (TVD)**  
 Total Depth: 5275.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gary Pevoteaux  
 Unit No: 56  
 Reference Elevations: 2293.00 ft (KB)  
 2282.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352 Outside**  
 Press @ Run Depth: 94.75 psig @ 5236.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.27 End Date: 2014.07.27 Last Calib.: 2014.07.27  
 Start Time: 06:40:08 End Time: 16:21:18 Time On Btm: 2014.07.27 @ 10:04:33  
 Time Off Btm:

**TEST COMMENT:** IF: Strong blow . B.O.B. in 13 mins.  
 IS: No blow .  
 FF: Strong blow . B.O.B. in 20 secs.  
 FS: Very weak blow . 1/4" or less.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2605.22	116.09	Initial Hydro-static
2	22.21	115.22	Open To Flow (1)
17	44.22	117.06	Shut-In(1)
62	1845.13	118.16	End Shut-In(1)
62	44.24	117.68	Open To Flow (2)
107	94.75	118.70	Shut-In(2)
213	1851.92	120.52	End Shut-In(2)
215	2570.77	120.68	Initial Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCWM 56%g 9%o 12%w 23%m	0.59
0.00	Rw .27ohms @ 80 deg	0.00
90.00	GOCM 28%g 2%o 70%m	0.44
0.00	820 ft.of 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

**22-33s-26w Meade Ks.**

P.O.Box 838  
Lawrenceville Il. 62439

**Coolhand#1-22**

Job Ticket: 54237

**DST#: 1**

ATTN: Tom Pronold

Test Start: 2014.07.27 @ 06:40:03

## 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:

24000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	GOCWM 56%g 9%o 12%w 23%m	0.590
0.00	Rw .27ohms @ 80 deg	0.000
90.00	GOCM 28%g 2%o 70%m	0.443
0.00	820 ft.of GIP	0.000

Total Length: 210.00 ft

Total Volume: 1.033 bbl

Num Fluid Samples: 0

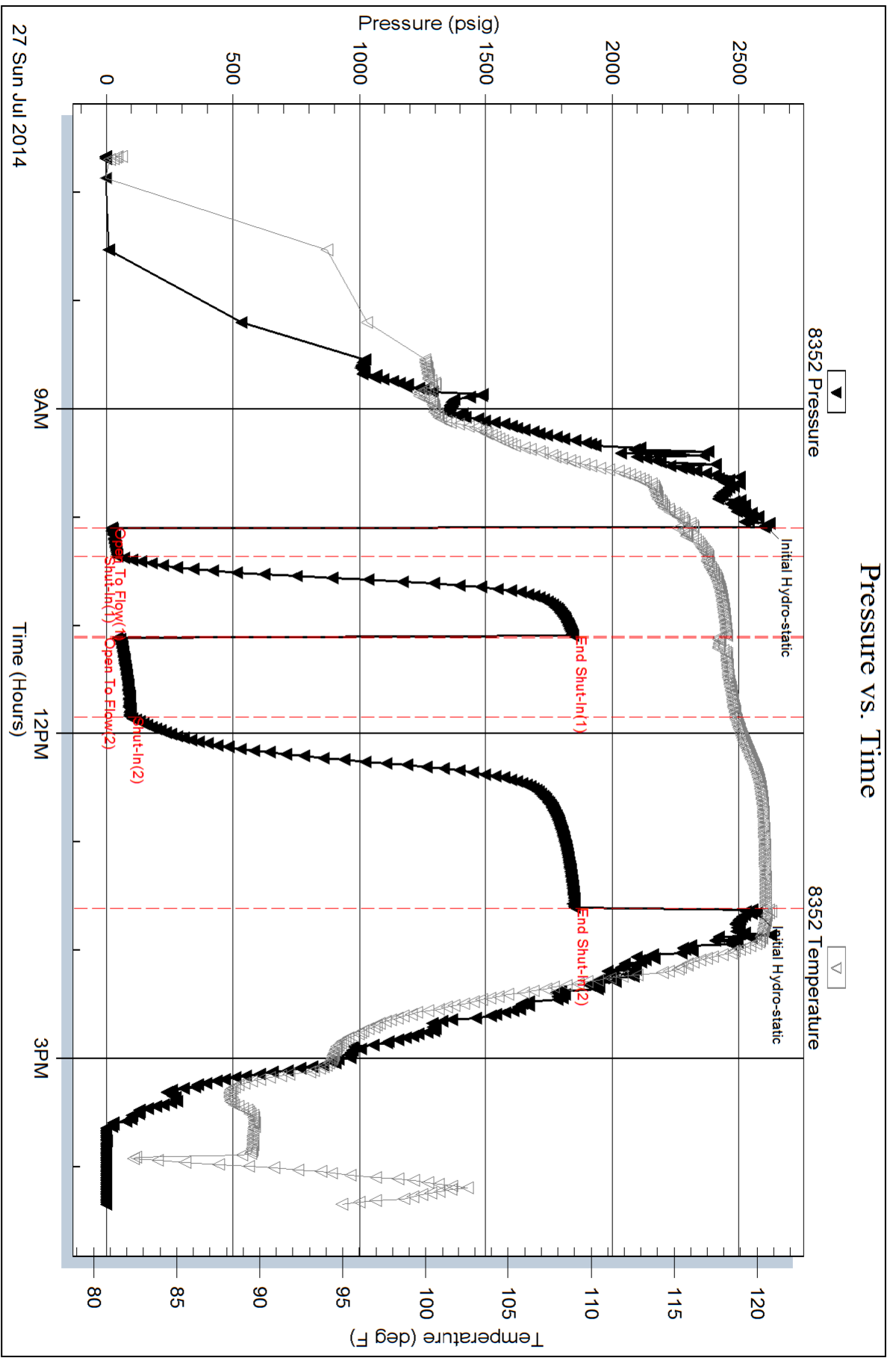
Num Gas Bombs: 0

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 Pronold

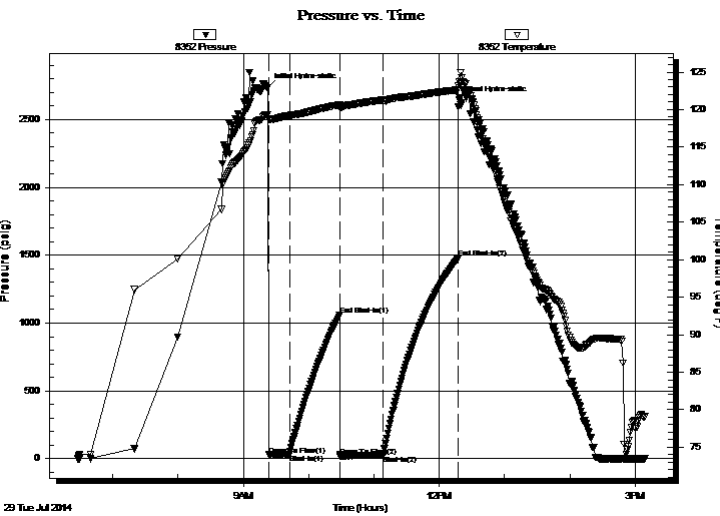
**22-33s-26w Meade Ks.**  
**Coolhand#1-22**  
 Job Ticket: 54238 **DST#: 2**  
 Test Start: 2014.07.29 @ 06:27:42

## GENERAL INFORMATION:

Formation: **Chester C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:23:42  
 Time Test Ended: 15:09:27  
 Interval: **5620.00 ft (KB) To 5698.00 ft (KB) (TVD)**  
 Total Depth: 5698.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Gary Pevoteaux  
 Unit No: 56  
 Reference Elevations: 2293.00 ft (KB)  
 2282.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352 Outside**  
 Press@RunDepth: 23.54 psig @ 5621.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.29 End Date: 2014.07.29 Last Calib.: 2014.07.29  
 Start Time: 06:27:47 End Time: 15:09:27 Time On Btm: 2014.07.29 @ 09:22:27  
 Time Off Btm: 2014.07.29 @ 12:18:12

**TEST COMMENT:** IF: Fair to strong blow . B.O.B. in 9 mins.  
 IS: No blow .  
 FF: Strong blow . B.O.B. in 2 - 3 secs.  
 FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2734.77	119.36	Initial Hydro-static
2	28.86	118.68	Open To Flow (1)
20	32.75	119.23	Shut-In(1)
66	1057.90	120.64	End Shut-In(1)
67	16.22	120.30	Open To Flow (2)
106	23.54	121.29	Shut-In(2)
175	1477.53	122.62	End Shut-In(2)
176	2643.46	122.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	GCM 12%g 88%m	0.15
0.00	1390 ft.of 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 Pronold

**22-33s-26w Meade Ks.**  
**Coolhand#1-22**  
Job Ticket: 54238      **DST#: 2**  
Test Start: 2014.07.29 @ 06:27:42

## 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:	9000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.20 inches			

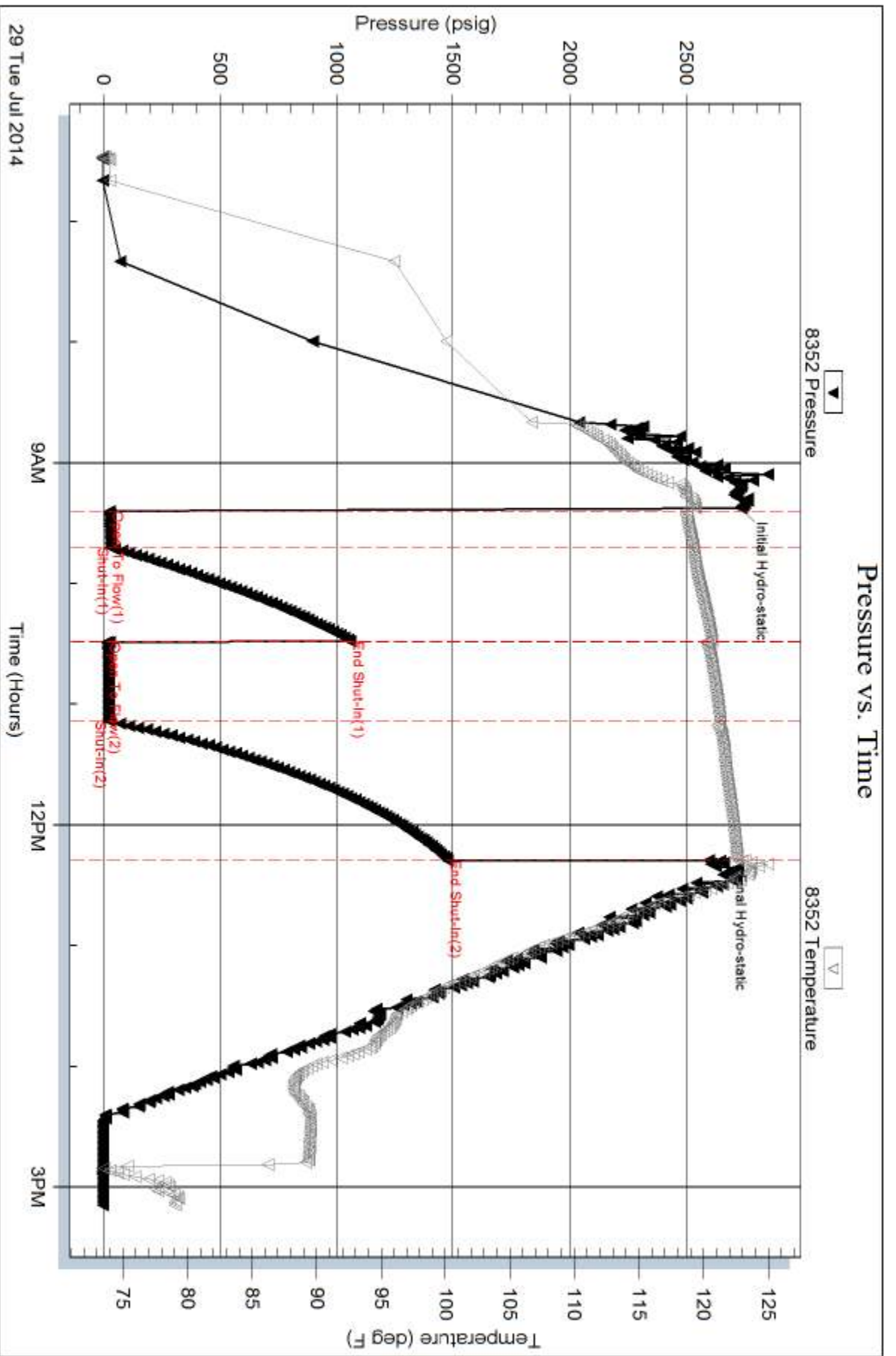
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GCM 12%g 88%m	0.148
0.00	1390 ft.of GIP	0.000

Total Length: 30.00 ft      Total Volume: 0.148 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 Pronold

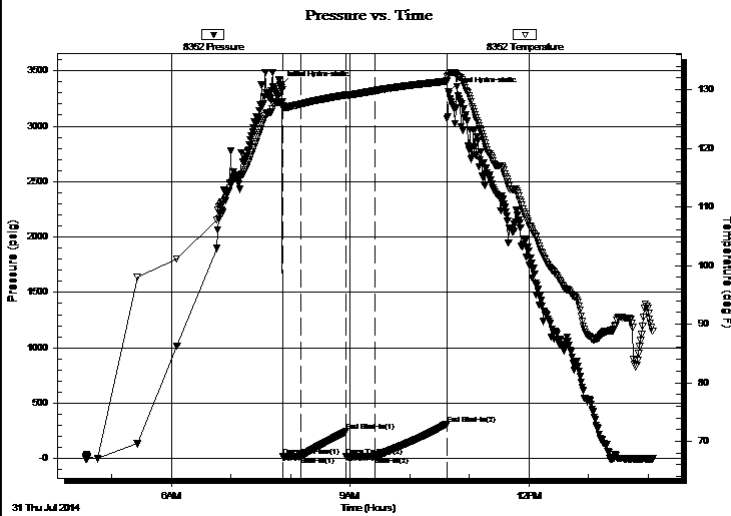
**22-33s-26w Meade Ks.**  
**Coolhand#1-22**  
 Job Ticket: 54239 **DST#: 3**  
 Test Start: 2014.07.31 @ 04:33:25

## GENERAL INFORMATION:

Formation: **Spergen**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:51:55  
 Time Test Ended: 14:05:10  
 Interval: **6326.00 ft (KB) To 6351.00 ft (KB) (TVD)**  
 Total Depth: 6351.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Gary Pevoteaux  
 Unit No: 56  
 Reference Elevations: 2293.00 ft (KB)  
 2282.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352 Outside**  
 Press@RunDepth: 19.01 psig @ 6327.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.31 End Date: 2014.07.31 Last Calib.: 2014.07.31  
 Start Time: 04:33:30 End Time: 14:05:10 Time On Btm: 2014.07.31 @ 07:49:55  
 Time Off Btm: 2014.07.31 @ 10:38:55

TEST COMMENT: IF:Weak blow . 1/2 - 2".  
 IS:No blow .  
 FF:Weak blow . Slow increase to 4".  
 FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3361.97	127.92	Initial Hydro-static
2	17.57	126.84	Open To Flow (1)
20	18.54	127.51	Shut-In(1)
66	244.38	129.08	End Shut-In(1)
66	17.57	128.98	Open To Flow (2)
95	19.01	129.81	Shut-In(2)
168	313.05	131.44	End Shut-In(2)
169	3314.74	132.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig.mud	0.05
0.00	110 ft.of 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

**22-33s-26w Meade Ks.**

P.O.Box 838  
Lawrenceville Il. 62439

**Coolhand#1-22**

Job Ticket: 54239

**DST#: 3**

ATTN: Tom Pronold

Test Start: 2014.07.31 @ 04:33:25

## 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:

4900 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig.mud	0.049
0.00	110 ft.of GIP	0.000

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

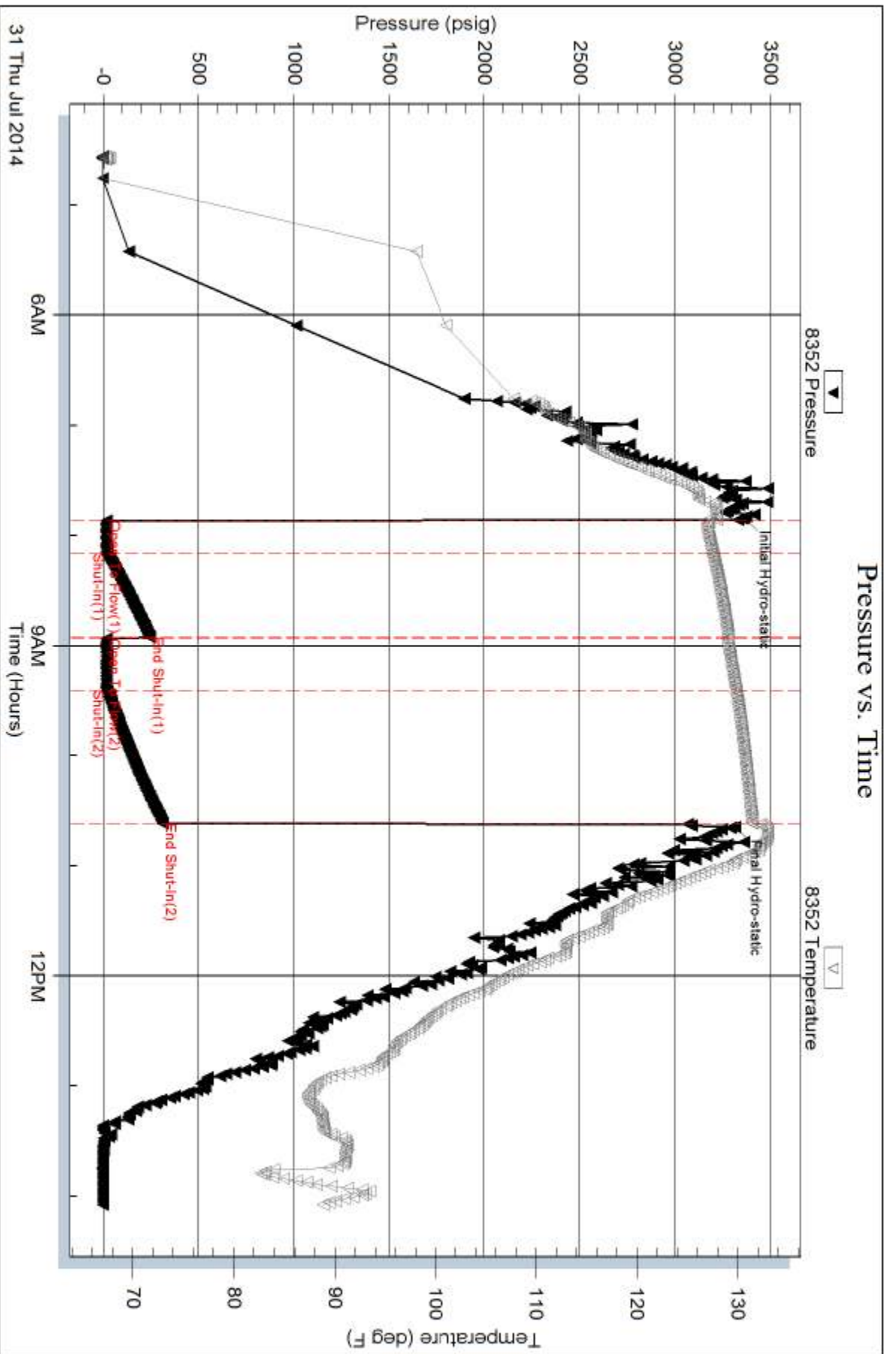
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



60767 796 Cool -> 9438



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1007589	1717	07/24/2014
INVOICE NUMBER			
91548747			

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

J LEASE NAME Coolhand #1-22  
 O LOCATION  
 B COUNTY Meade  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40746765	19842		Net - 30 days	08/23/2014	
<b>For Service Dates: 07/23/2014 to 07/23/2014</b>					
0040746765					
171704828A Cement-New Well Casing/Pi 07/23/2014 8 5/8 Surface					
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A-Con' Blend		330.00	EA	12.20	4,026.20 T
Premium Plus Cement		150.00	EA	10.69	1,603.80 T
Calcium Chloride		1,215.00	EA	0.69	836.83 T
Celloflake		120.00	EA	2.43	291.24 T
C-51		63.00	EA	16.40	1,033.12 T
"Guide Shoe - Regular, 8 5/8" (Blue)"		1.00	EA	249.26	249.26
"Flapper Ins. Ft. Vlv., 8 5/8" (Blue)		1.00	EA	183.67	183.67
Antelope Strd Bow Cent. 8 5/8 X 12 1/4		3.00	EA	95.11	285.34
"Cmt Basket, Canvas 8 5/8"		1.00	EA	688.75	688.75
"Top Rubber Cmt Plug, 8 5/8" "		1.00	EA	147.59	147.59
Heavy Equipment Mileage		150.00	MI	4.59	688.76
Blending & Mixing Service Charge		480.00	BAG	0.92	440.80
"Proppant & Bulk Del. Chgs., per ton mil Depth Charge; 1001'-2000'		1,130.00	EA	1.05	1,185.96
Plug Container Util. Chg.		1.00	EA	983.93	983.93
"Unit Mileage Chg (PU, cars one way)"		1.00	EA	163.99	163.99
"Service Supervisor, first 8 hrs on loc.		50.00	MI	2.79	139.39
		1.00	EA	114.79	114.79

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,063.41
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	557.07
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	13,620.48
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 04828 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 07-23-14 DISTRICT Liberal 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 Coolhand 1-22 WELL NO.				
ADDRESS		COUNTY Meade		STATE KS		
CITY		STATE		SERVICE CREW Roger Cardas - Nigeria Ricardo		
AUTHORIZED BY Jenny Bennett		JOB TYPE: 242 8 5/8" Surface				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 7-23-14 AM 6:55
121755	6					ARRIVED AT JOB 7:15 AM 0900
138758-19842	6					START OPERATION 11 AM 1310
130463-1984	6					FINISH OPERATION 11 AM 1430
133821-19284	6					RELEASED 11 AM 1530
						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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL 101	Water Blend	SL	330		6138 00
CL 110	Premium Plus Cement	SL	150		2445 00
CC 109	Calcium Chloride	lb	1215		1275 25
CC 102	Cellulose	lb	120		444 00
CC 130	CS	lb	63		1575 00
CF 253	Guide Shoe - Regular - 8 5/8"	EA	1		380 00
CF 1453	Bladder type Insert Float Valve 8 7/8"	EA	1		280 00
CF 4405	Growlizer Hinged Centralizer Welded St.	EA	3		435 00
CF 4556	Cement Baskets, CUMMIS - 8 5/8"	EA	1		1050 00
CF 105	Top Rubber Cement Plug - 8 5/8"	EA	1		225 00
E 107	Heavy Equipment Mileage	ME	150		1050 00
CE 240	Blending & Mixing Service Charge	SL	480		672 00
E 113	Proppant and Bulk Delivery Charges	TM	1130		1808 00
CE 202	Depth Charge 1001-2000'	4 Hrs	1		1500 00
CE 504	Plug Container Utilization Charge	Job	1		250 00
E 100	Unit Mileage Charge - Pickup	ME	50		212 50
S 003	Service Supervisory First 8 Hrs on Job	EA	1		175 00
SUB TOTAL					13063 41

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Roger Brand THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: \_\_\_\_\_  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

**Cement Report**

Customer	Herman Coos	Lease No.	Codland 1-22	Date	7-23-14
Lease	Codland	Well #	1-22	Service Receipt	1717-048204
Casing	8 5/8	Depth		County	Meade
Job Type	Surface	Formation		State	Ks
				Legal Description	22-33-26

Pipe Data		Perforating Data		Cement Data
Casing size	8 5/8"	Tubing Size		Lead
Depth	1360'	From	To	37% CACL <sub>2</sub>
Volume	84.5 BBLs	From	To	1/4" Polyflake
Max Press	1000 PSI	From	To	.2% WCA-1
Well Connection		From	To	Tail in
Plug Depth	1320'	From	To	150 sks
		From	To	27% CACL <sub>2</sub>
		From	To	1/4" Polyflake

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0500					Called Out
0900					ON LOCATION
1000					ON LOCATION WITH TRUCKS
					SAFETY MEETING
					UP IN HOLE
1310	200				Setup and Circulate
1312	150		173	5	Mix Pump Lead Cement
					330 sks 11.4 gppg
					173.3 BBLs slurry
1342	200		36	5	Mix Pump Tail Cement
					150 sks 14.8 gppg
					36 BBLs slurry
1400	250		84.5	5	Drop Plug Washdown
					Plug Displace 84.5 BBLs
1423	900				Lead Plug 500PSI over
					Released
					Flant Held
					Job Completed
					THANKS

Service Units	71755	38750-19844	30463-19516	3321-14284	
Driver Names	Rogers	Perles	NORMA	RICHARD	

Aldo Martinez Customer Representative     
 Terry Bennett Station Manager     
 Rogers/Brown Cementer

60767 796 Cool 7 9438



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1007589	1717	08/04/2014
<b>INVOICE NUMBER</b>			
<b>91558983</b>			

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

J LEASE NAME Coolhand # 1-22  
 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
40750914	27462		Net 30 days	09/03/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<b>For Service Dates: 08/04/2014 to 08/04/2014</b>				
0040750914				
171706005A Cement-New Well Casing/Pi 08/04/2014 PTA				
60/40 POZ	160.00	EA	10.20	1,632.00 T
Cement Gel	276.00	EA	0.21	58.65 T
Heavy Equipment Mileage	100.00	MI	5.95	595.00
Blending & Mixing Service Charge	160.00	BAG	1.19	190.40
"Proppant & Bulk Del. Chgs., per ton mil	345.00	EA	1.36	469.20
Depth Charge; 1001'-2000'	1.00	EA	1,275.00	1,275.00
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	3.61	180.63
"Service Supervisor, first 8 hrs on loc.	1.00	EA	148.75	148.75

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,549.63
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	120.88
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,670.51
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 06005 A

DATE TICKET NO.

DATE OF JOB: 8-4-14	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 Coeb		LEASE: Coolhand #1-22		WELL NO.:					
ADDRESS:		COUNTY: Maize		STATE: KS					
CITY:		STATE:		SERVICE CREW: E. Mendora, D. Beck					
AUTHORIZED BY: J Bennett		JOB TYPE: 242-DTA							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
39726	8						8-3-14	8:20	
27462	8					ARRIVED AT JOB		5:00	
133021	8					START OPERATION	8-4-14	12:00	
14084	8					FINISH OPERATION		3:00	
						RELEASED		4:00	
						MILES FROM STATION TO WELL	50		

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

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CL103	60/40 Poz	sk	160		1920.00	
CL200	Cement Grd	lb	276		69.00	
E101	Heavy Equipment Mileage	mi	100		700.00	
CE240	Blending & Mix Service	sk	100		224.00	
E113	Proppants + Bulk Delivery	ton/yr	345		672.00	
CE202	Drip Death 1001-2000	Unit	1		1,500.00	
E100	Unit Mileage	mi	50		212.50	
SO03	Service Supervisor	ea	1		175.00	
					SUB TOTAL	4549.50

CHEMICAL / ACID DATA:		

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

SERVICE REPRESENTATIVE: <i>Paul Sivera</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Pablo Luna</i>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer	Herman Loeb		Lease No.		Date	8-4-14
Lease	Coolhard		Well #	1-22	Service Receipt	06005
Casing	Depth		County	Merse	State	KS
Job Type	242 PTA	Formation	Legal Description 22-33-26			
<b>Pipe Data</b>			<b>Perforating Data</b>		<b>Cement Data</b>	
Casing size	4 1/2" D.P.	Tubing Size	Shots/Ft		Lead Tail in 160 sk 60/40 poz	
Depth		Depth	From	To		
Volume		Volume	From	To		
Max Press		Max Press	From	To		
Well Connection		Annulus Vol.	From	To		
Plug Depth		Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Ebls. Pumped	Rate	Service Log	
5:00 pm					on loc-site assessment (lay d.p.)	
5:05 am					spot trucks - rig up	
11:30					Safety meeting - JSA	
11:45					pressure test - 1000#	
12:00					Circ @ 1300'	
12:05			13.4	4	mix + pump 50 sk 60/40 poz	
12:40			16	4	disp balanced plug	
12:45					Circ @ 300'	
12:50			10.7	4	mix + pump 40 sk	
12:55			1.5	4	disp balanced plug	
1:00					Circ @ 60'	
1:05			9.3	4	mix + pump 20 sk	
1:40					Circ @ surf to surface	
1:15					plug rat hole w/ 30 sk	
1:30					abuse hole w/ 20 sk	
					job complete	
Service Units	34726	27462	3301-4284			
Driver Names	A Quera	E Hendrix	D Beck			

Patto

Customer Representative

J. Bennett

Station Manager

A Quera

Cementer

Taylor Printing, Inc.