

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Recompletion Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or Recompletion Date \_\_\_\_\_

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	HG Oil Holdings, LLC
Well Name	HBP 1-6
Doc ID	1684012

Tops

Name	Top	Datum
Top Anhydrite	2348	+655
Base Anhydrite	2368	+635
Topeka	3569	-566
Heebner	3800	-797
Toronto	3819	-816
LKC	3851	-848
BKC	4185	-1182
Marmaton	4232	-1229
Altamont B	4274	-1271
Fort Scott	4375	-1372
Cherokee Sh	4403	-1400
Mississippi	4571	-1568



**Marc A. Downing**  
**Geologic Report**  
**Consulting Petroleum Geologist**  
**Drilling Time and Sample Log**

Operator **HG Oil Holdings**  
 Lease **HBP**  
 API # **15-109-21657-0000**  
 Field **Lone Butte Southwest**  
 Location **330' FNL & 1356' FEL**  
 Sec. **6** Twp. **15s** Rge. **34w**  
 County **Logan** State **Kansas**  
 Elevation **3003**  
 KB **3001**  
 DF **2998**  
 Casing Record  
 Surface **8 5/8" @ 263'**  
 Production **None**  
 Electrical Surveys  
**CNDL, DIL**  
**MEL**

Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	2350	2348	+655	+8
Base Anhydrite	2369	2368	+635	+5
Topeka	3569	3569	-566	+7
Heebner	3801	3800	-797	+4
Toronto	3820	3819	-816	+5
LKC	3851	3851	-848	+3
BKC	4186	4185	-1182	+5
Marmaton	4231	4232	-1229	+3
Altamont B	4278	4274	-1271	+6
Fort Scott	4376	4375	-1372	+5
Cherokee Sh	4405	4403	-1400	+8
Mississippi	4572	4571	-1568	+3
Total Depth	4630	4630	-1627	

Reference Well For Structural Comparison **New Gulf - Byron #1-31**  
**1295' FSL & 1572' FEL** Sec. 31-14s-34w

Drilling Contractor **Murfin Drilling, Rig 102**  
 Commenced **10-23-22** Completed **10-31-22**  
 Samples Saved From **3550** To **RTD**  
 Drilling Time Kept From **3400** To **RTD**  
 Samples Examined From **3550** To **RTD**  
 Geological Supervision From **3550** To **RTD**

**Summary and Recommendations**  
 The HBP #1-6 ran structurally high to the nearest producer on all formations. The Altamont B was tested but proved to be tight, only recovering 20' of mud with oil spots.  
 Due to DST recovery and log evaluation, it was decided by all concerned parties to plug and abandon the test hole.

Respectfully Submitted,  
 Marc A. Downing

**ROCK TYPES**  
 shale, grn  
 shale, grn  
 Sandstone  
 green shale  
 red shale

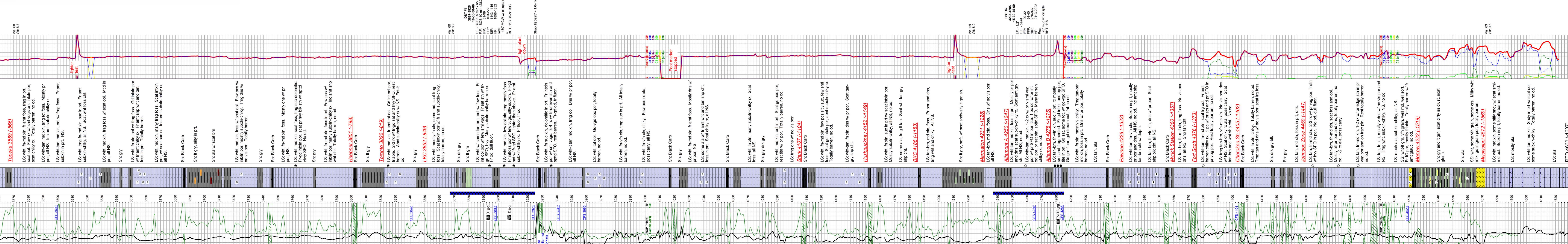
**ACCESSORIES**  
 Stringer  
 Silstone  
 green shale  
 red shale

**OTHER SYMBOLS**  
 DST  
 Daily Report  
 Digital Photo  
 Document  
 Folder  
 Link  
 Vertical Log File  
 Horizontal Log File  
 Core Log File  
 Drill Cuttings Rpt

**MISC**  
 Daily Report  
 Digital Photo  
 Document  
 Folder  
 Link  
 Vertical Log File  
 Horizontal Log File  
 Core Log File  
 Drill Cuttings Rpt

**OIL SHOWS**  
 Spotted Shn 50 - 75 %  
 Spotted Shn 25 - 50 %  
 Spotted Shn 1 - 25 %  
 Blank Oil Shn  
 Fluorescence

**MINERAL**  
 Chert, Galk  
 Glauconite  
 Chert White





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
Plainville, Ks 67663

**HPB #1-6**

Job Ticket: 69190

**DST#: 1**

ATTN: Mark Downing

Test Start: 2022.10.28 @ 17:59:00

## GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:43:30

Time Test Ended: 01:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 3867.00 ft (KB) To 3925.00 ft (KB) (TVD)**

Reference Elevations: 3003.00 ft (KB)

Total Depth: 3925.00 ft (KB) (TVD)

2998.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 222.21 psig @ 3868.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.28

End Date:

2022.10.29

Last Calib.:

2022.10.29

Start Time: 17:59:05

End Time:

01:25:59

Time On Btm:

2022.10.28 @ 20:43:15

Time Off Btm:

2022.10.28 @ 22:57:30

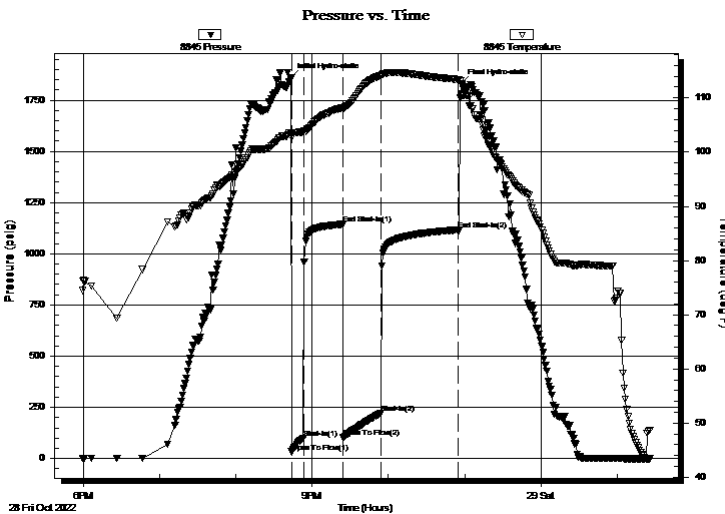
TEST COMMENT: IF: 10 3/4" blow .

IS: No return.

FF: 28 3/4" blow .

FS: No return. 10-30-30-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.60	103.56	Initial Hydro-static
1	31.96	102.68	Open To Flow (1)
10	99.16	103.72	Shut-In(1)
41	1143.84	108.19	End Shut-In(1)
41	103.43	107.92	Open To Flow (2)
71	222.21	114.15	Shut-In(2)
132	1116.87	113.39	End Shut-In(2)
135	1832.47	110.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
430.00	mcw 10m 90w (oil spots)	4.94

## Gas Rates

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



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HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
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**HPB #1-6**

Job Ticket: 69190

**DST#: 1**

ATTN: Mark Downing

Test Start: 2022.10.28 @ 17:59:00

## GENERAL INFORMATION:

Formation: **LKC C-D**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:43:30  
Time Test Ended: 01:26:00  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Bradley Walter  
Unit No: 78  
**Interval: 3867.00 ft (KB) To 3925.00 ft (KB) (TVD)**  
Total Depth: 3925.00 ft (KB) (TVD)  
Reference Elevations: 3003.00 ft (KB)  
3925.00 ft (CF)  
Hole Diameter: 788.00 inches  
Hole Condition: Good  
KB to GR/CF: 5.00 ft

### Serial #: 8319

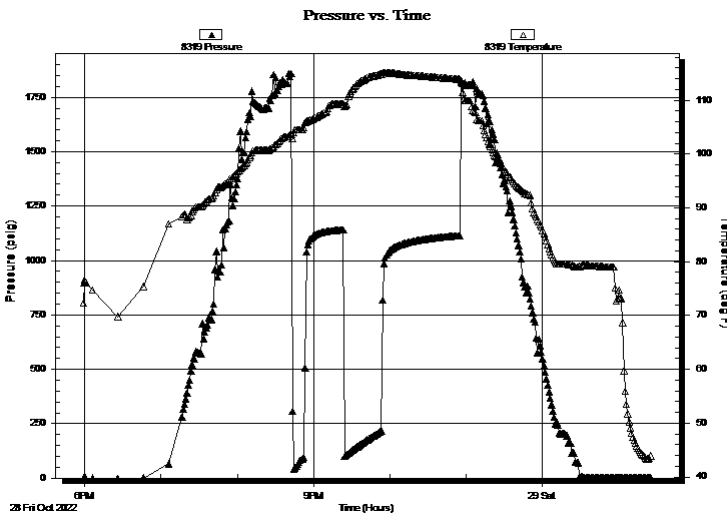
**Inside**

Press@RunDepth: psig @ 3868.00 ft (KB)  
Start Date: 2022.10.28 End Date: 2022.10.29  
Start Time: 17:59:05 End Time: 01:26:14

Capacity: 8000.00 psig  
Last Calib.: 2022.10.29  
Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: 10 3/4" blow .  
IS: No return.  
FF: 28 3/4" blow .  
FS: No return. 10-30-30-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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## Recovery

Length (ft)	Description	Volume (bbl)
430.00	mcw 10m 90w (oil spots)	4.94

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
Plainville, Ks 67663

**HPB #1-6**

Job Ticket: 69190

**DST#: 1**

ATTN: Mark Downing

Test Start: 2022.10.28 @ 17:59:00

### 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:

39000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	mcw 10m 90w (oil spots)	4.939

Total Length: 430.00 ft      Total Volume: 4.939 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

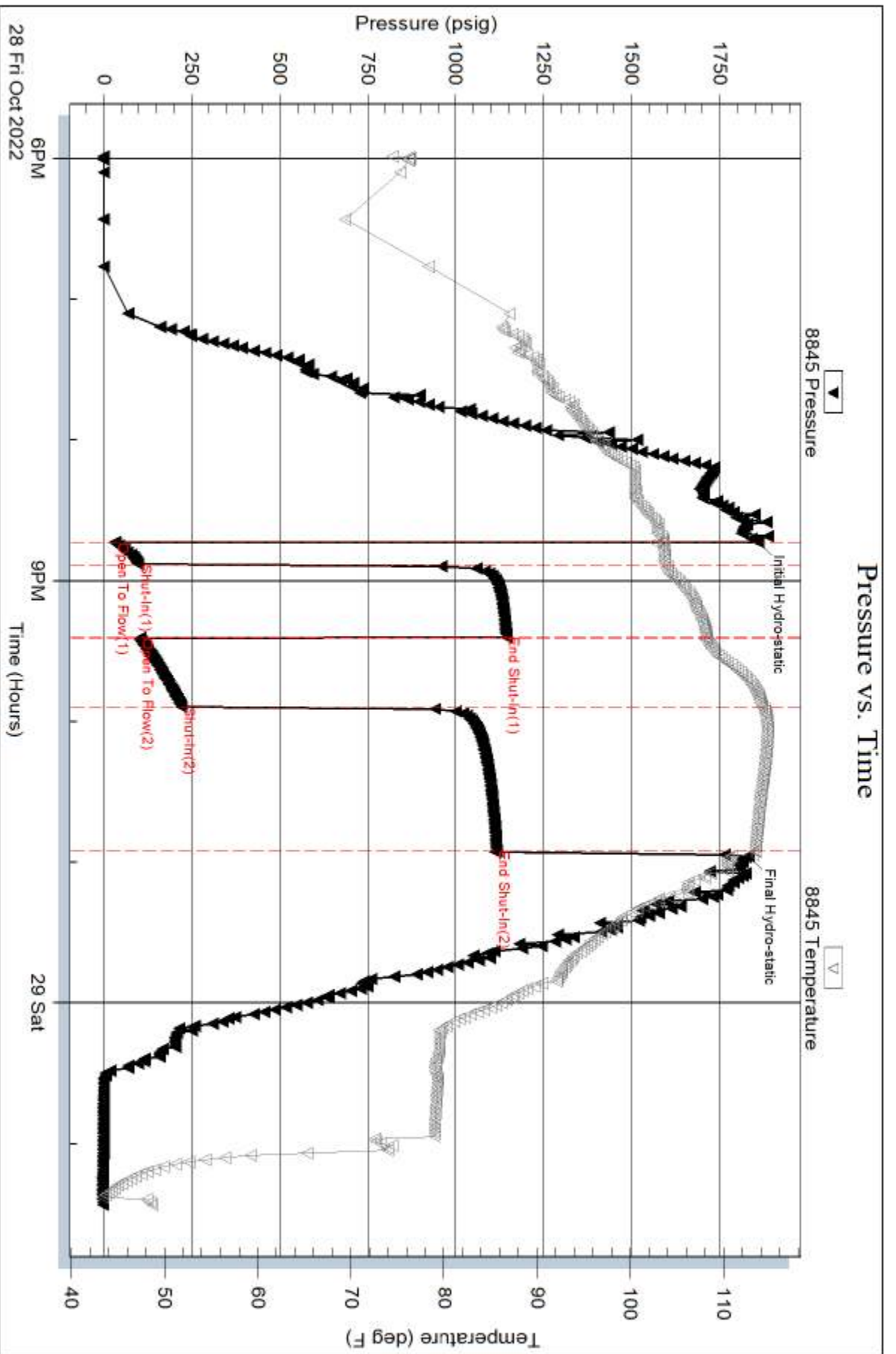
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .221 @ 57F = 39000ppm





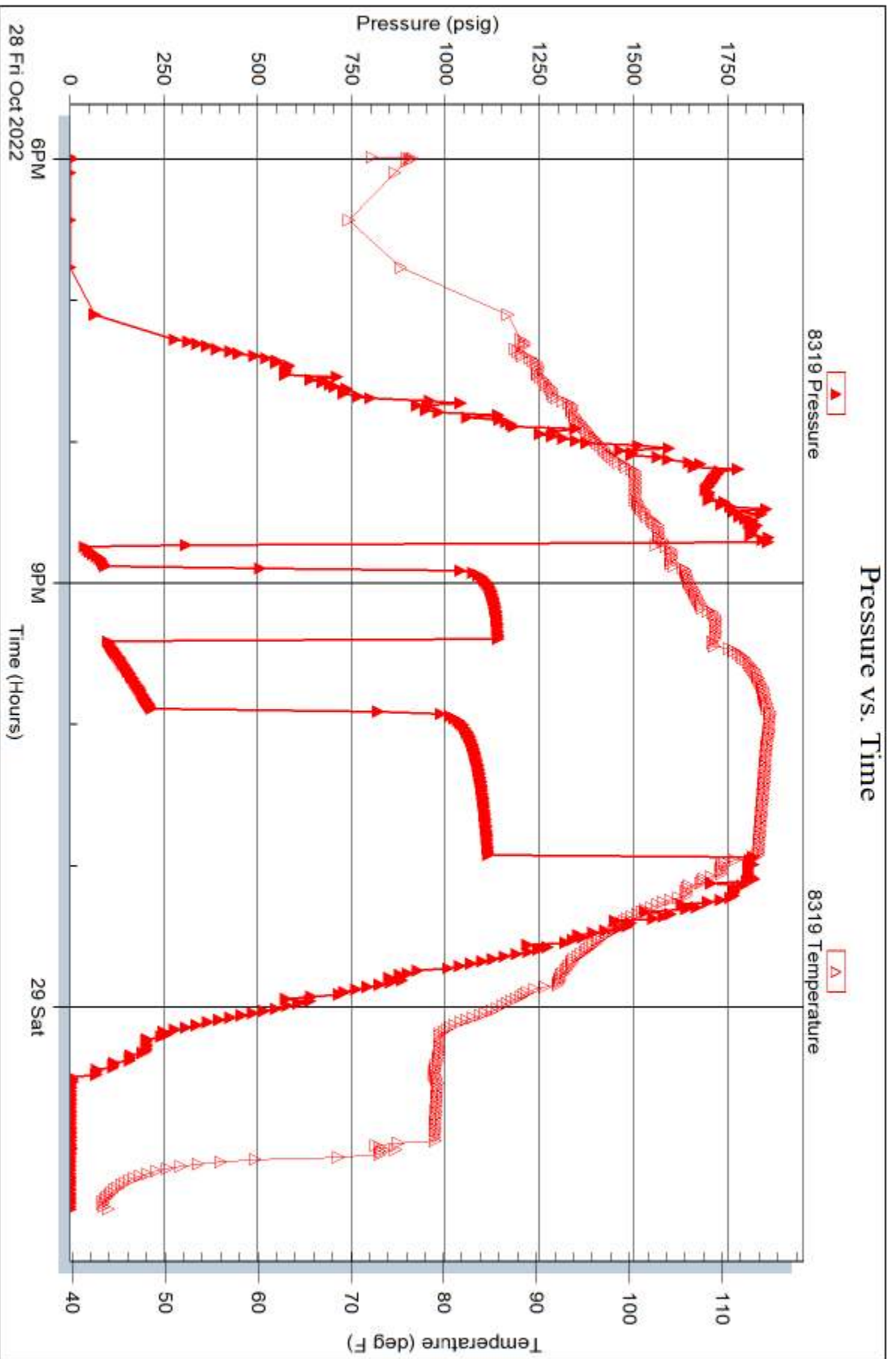
Serial #: 8319

Inside

HG Oil Holdings, LLC

HPB #1-6

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69190

Printed: 2022.10.29 @ 08:05:46



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
Plainville, Ks 67663

**HPB #1-6**

Job Ticket: 69191

**DST#: 2**

ATTN: Mark Downing

Test Start: 2022.10.30 @ 05:49:00

## GENERAL INFORMATION:

Formation: **Altamont A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:44:15

Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4237.00 ft (KB) To 4285.00 ft (KB) (TVD)**

Reference Elevations: 3003.00 ft (KB)

Total Depth: 4285.00 ft (KB) (TVD)

2998.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 40.29 psig @ 4238.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.30 End Date: 2022.10.30

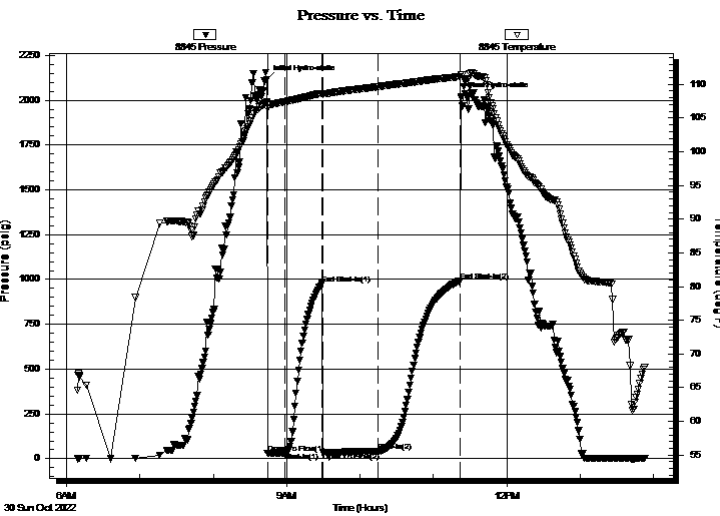
Last Calib.: 2022.10.30

Start Time: 06:09:05 End Time: 13:53:29

Time On Btm: 2022.10.30 @ 08:43:45

Time Off Btm: 2022.10.30 @ 11:23:00

TEST COMMENT: IF: 1/2" blow.  
IS: No return.  
FF: No blow,  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.60	107.37	Initial Hydro-static
1	29.37	106.44	Open To Flow (1)
15	32.99	107.41	Shut-In(1)
46	976.83	108.65	End Shut-In(1)
46	34.17	108.45	Open To Flow (2)
92	40.29	109.65	Shut-In(2)
159	992.57	111.14	End Shut-In(2)
160	2022.17	111.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m (oil spots)	0.10

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
Plainville, Ks 67663

**HPB #1-6**

Job Ticket: 69191

**DST#: 2**

ATTN: Mark Downing

Test Start: 2022.10.30 @ 05:49:00

## GENERAL INFORMATION:

Formation: **Altamont A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:44:15

Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4237.00 ft (KB) To 4285.00 ft (KB) (TVD)**

Reference Elevations: 3003.00 ft (KB)

Total Depth: 4285.00 ft (KB) (TVD)

2998.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8319** Inside

Press@RunDepth: psig @ 4238.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.30

End Date: 2022.10.30

Last Calib.: 2022.10.30

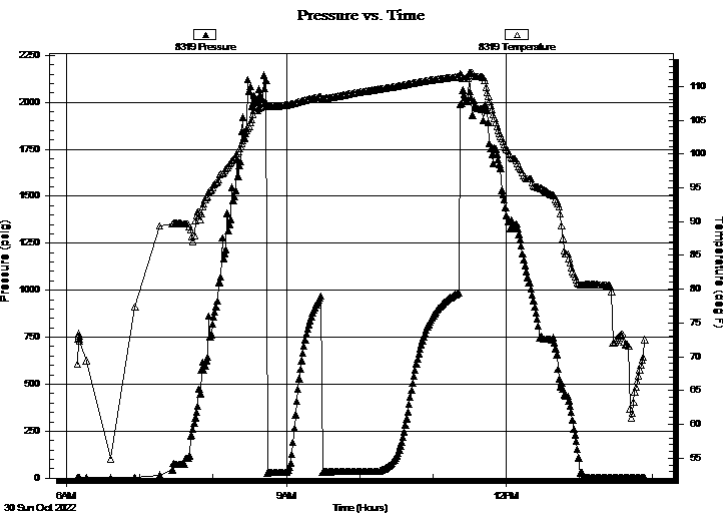
Start Time: 06:09:05

End Time: 13:53:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/2" blow.  
IS: No return.  
FF: No blow,  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m (oil spots)	0.10

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

HG Oil Holdings, LLC

**6 15s 34w Logan, Ks**

211 SW 9th St  
Plainville, Ks 67663

**HPB #1-6**

Job Ticket: 69191

**DST#: 2**

ATTN: Mark Downing

Test Start: 2022.10.30 @ 05:49:00

### 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100m (oil spots)	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

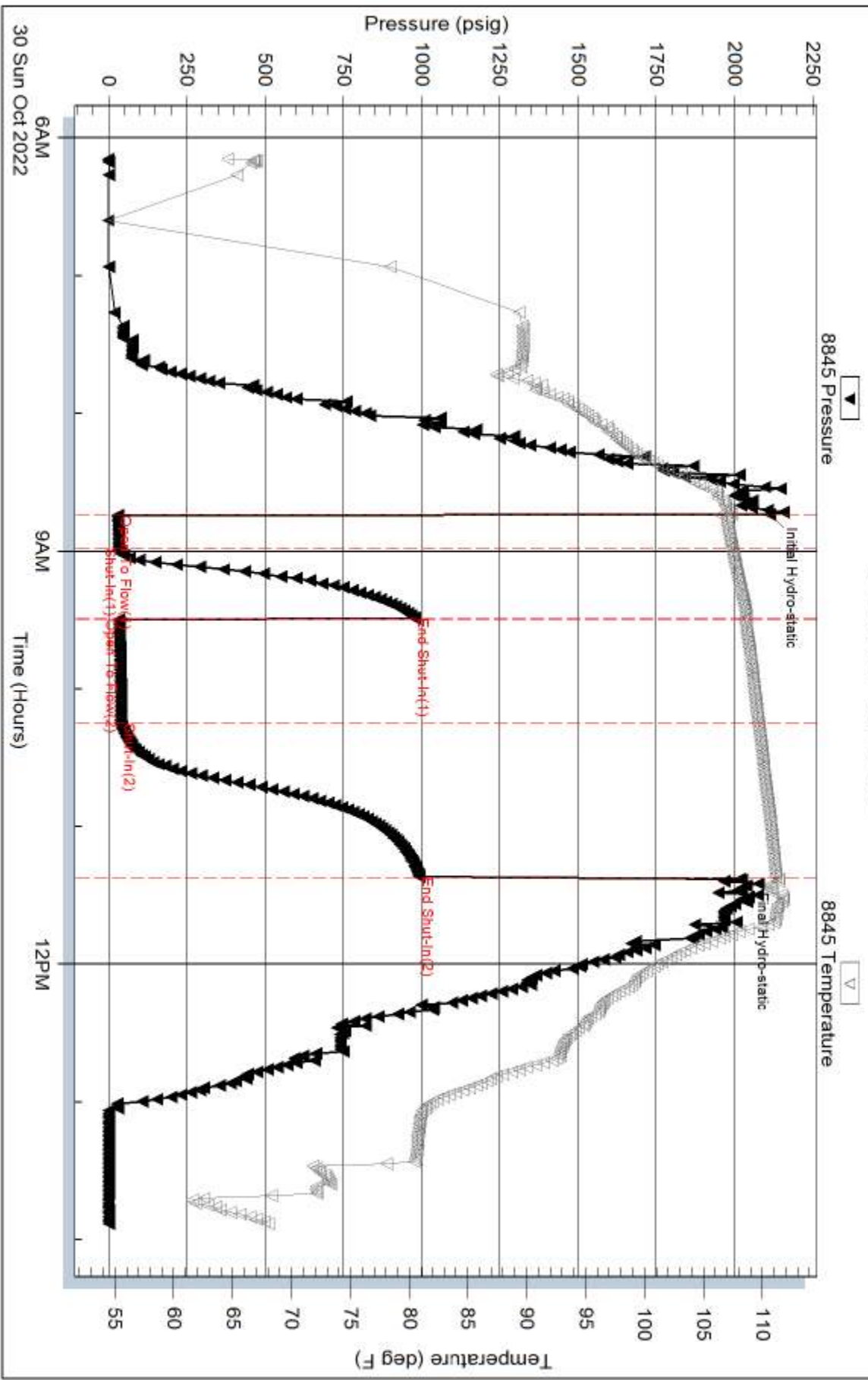
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



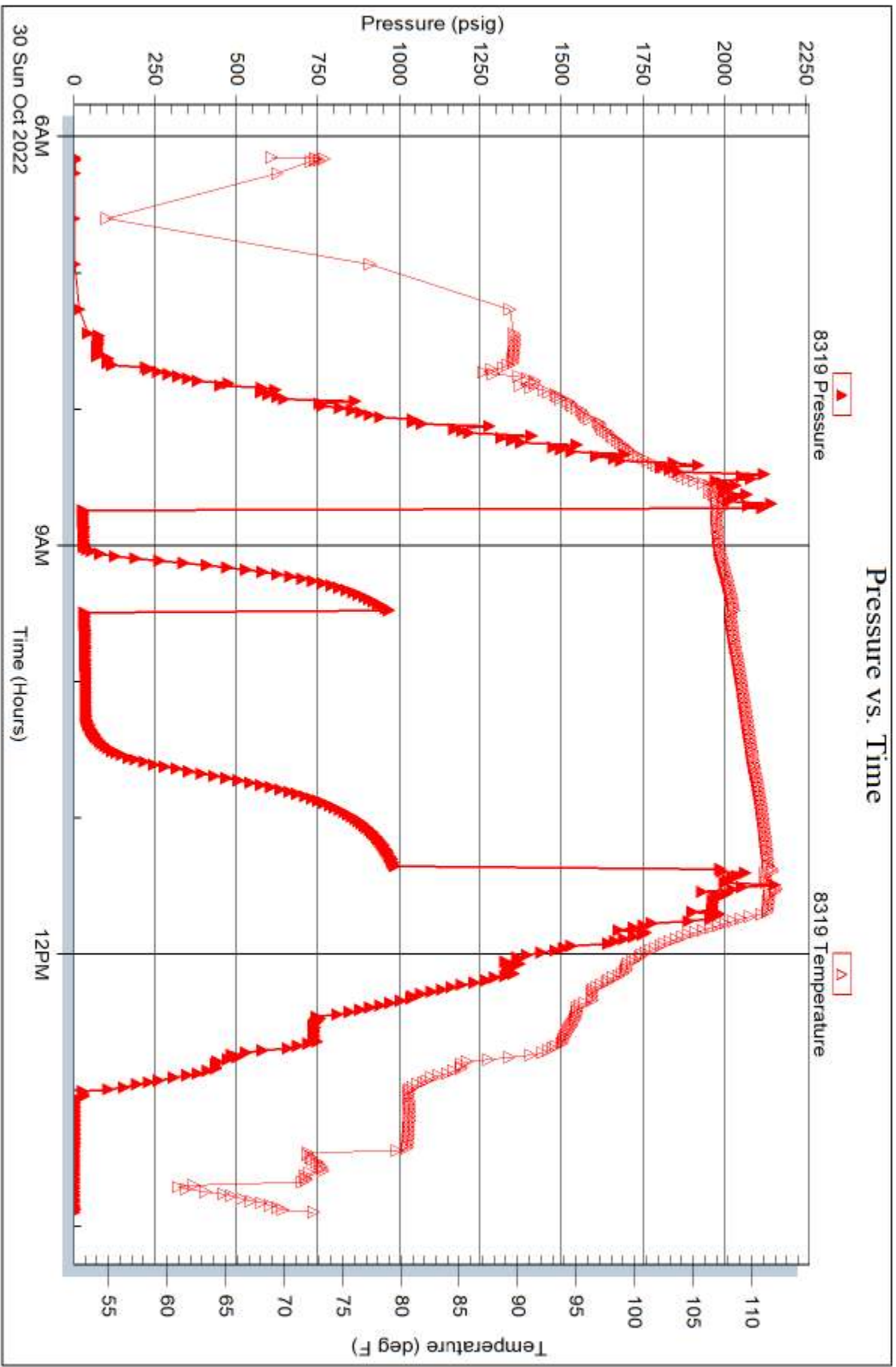
Serial #: 8319

Inside

HG Oil Holdings, LLC

HFB #1-6

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 69191

Printed: 2022.10.30 @ 14:37:24



**HURRICANE SERVICES INC**

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:  
HG OIL HOLDINGS LLC  
PO BOX 446  
HOISINGTON, KS 67544

Invoice Date: 10/23/2022  
Invoice #: 0364147  
Lease Name: HBP  
Well #: 1-6 (New)  
County: Logan, Ks  
Job Number: WP3543  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	180.000	22.500	4,050.00
Light Eq Mileage	50.000	2.000	100.00
Heavy Eq Mileage	100.000	4.000	400.00
Ton Mileage	425.000	1.500	637.50
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Blending & Mixing	180.000	1.400	252.00
Service Supervisor	1.000	275.000	275.00

**Total** 6,714.50

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**





Customer	H G Oil	Lease & Well #	HBP #1-6	Date	10/23/2022
Service District	Oakley KS	County & State	Logan KS	Legals S/T/R	6-15S-34W
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	Legals S/T/R	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	73	Driver	John	Ticket #	WP 3543

**Job Safety Analysis - A Discussion of Hazards & Safety Procedures**

<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	180.00	\$4,050.00
M015	Light Equipment Mileage	mi	50.00	\$100.00
M010	Heavy Equipment Mileage	mi	100.00	\$400.00
M020	Ton Mileage	tm	425.00	\$637.50
D010	Depth Charge: 0'-500'	job	1.00	\$1,000.00
C060	Cement Blending & Mixing Service	sack	180.00	\$252.00
R061	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -	Tax Rate:		Net:	\$6,714.50
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unlikely	1	2	3	4	5	6	7
	8	9	10	Extremely Likely	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		
					Sale Tax:	\$ -	
					Total:	\$ 6,714.50	
					HSI Representative: <i>John Polley</i>		

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



# CEMENT TREATMENT REPORT

Customer:	H G Oil	Well:	HBP #1-6	Ticket:	WP 3543
City, State:	Russell Springs KS	County:	Logan KS	Date:	10/23/2022
Field Rep:	Justin Polfus	S-T-R:	6-15S-34W	Service:	Surface

**Downhole Information**

Hole Size:	12 1/4 in
Hole Depth:	263 ft
Casing Size:	8 5/8 in
Casing Depth:	263 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	15.5 bbbls

**Calculated Slurry - Lead**

Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft³ / sx
Annular Bbls / Ft.:	0.0735 bbls / ft.
Depth:	263 ft
Annular Volume:	19.3 bbbls
Excess:	125%
Total Slurry:	45.2 bbbls
Total Sacks:	180 sx

**Calculated Slurry - Tail**

Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft³ / sx
Annular Bbls / Ft.:	bbls / ft.
Depth:	ft
Annular Volume:	0 bbbls
Excess:	
Total Slurry:	0.0 bbbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:30 PM			-	-	Arrived on location
12:40 PM				-	Safety meeting
12:50 PM				-	Rigged up
348p				-	Casing on bottm
350p				-	Circulate mud
359p	3.0	50.0	5.0	5.0	Water ahead
402p	4.7	125.0	45.2	50.2	Mixed 180 sks H-325 cement 14.8 ppg
414p	4.0	100.0	15.5	65.7	Begin Displacement
418p				65.7	Plug down shut in with 2 bbls cement in cellar
420p				65.7	Wash up/rig down
500p				65.7	left location

**CREW**

Cementer:	UNIT
John	73
Pump Operator: Jose V	528-520
Bulk #1: Kale	205
Bulk #2:	

**SUMMARY**

Average Rate	Average Pressure	Total Fluid
3.9 bpm	92 psi	66 bbbls



Remit To: Hurricane Services, Inc.  
 250 N. Water, Suite 200  
 Wichita, KS 67202  
 316-303-9515

Customer:  
 HG OIL HOLDINGS LLC  
 PO BOX 446  
 HOISINGTON, KS 67544

Invoice Date: 11/1/2022  
 Invoice #: 0364410  
 Lease Name: HBP  
 Well #: 1-6  
 County: Logan, Ks  
 Job Number: WP3575  
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
H-Plug	240.000	14.000	3,360.00
Wooden plug 8 5/8"	1.000	175.000	175.00
Light Eq Mileage	50.000	2.000	100.00
Heavy Eq Mileage	100.000	4.000	400.00
Ton Mileage	565.000	1.500	847.50
Depth Charge 2001'-3000'	1.000	2,000.000	2,000.00
Cement Blending & Mixing	240.000	1.400	336.00
Service Supervisor	1.000	275.000	275.00
Cement Service-After 4 Hours	2.000	300.000	600.00

30606

Net Invoice	8,093.50
Sales Tax:	517.39
<b>Total</b>	<b>8,610.89</b>

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**



Customer	H G Oil	Lease & Well #	HBP #1-6	Date	11/1/2022
Service District	Oakley KS	County & State	Logan KS	Legals S/T/R	6-15S-34W
Job Type	PTA	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			

73	John	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
208	Jose V	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
194-235	Kale	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP055	H-Plug A	sack	240.00	\$3,360.00
FE290	8 5/8" Wooden Plug	ea	1.00	\$175.00
M015	Light Equipment Mileage	mi	50.00	\$100.00
M010	Heavy Equipment Mileage	mi	100.00	\$400.00
M020	Ton Mileage	tm	565.00	\$847.50
D013	Depth Charge: 200'-3000'	job	1.00	\$2,000.00
C060	Cement Blending & Mixing Service	sack	240.00	\$336.00
R061	Service Supervisor	day	1.00	\$275.00
C030	Cement Service - After 4 Hrs on Location	hr	2.00	\$600.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$8,093.50
Total Taxable \$ - Tax Rate:		<del>Net: \$8,093.50</del>	
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax: \$ -  Total: \$ 8,093.50
		HSI Representative: <i>John Polley</i>	

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X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



**CEMENT TREATMENT REPORT**

Customer: H G Oil	Well: HBP #1-6	Ticket: WP 3575
City, State: Russell Springs KS	County: Logan KS	Date: 11/1/2022
Field Rep: Justin Polfus	S-T-R: 6-15S-34W	Service: PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4630 ft
Casing Size:	8 5/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-Plug A
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	2350 ft
Annular Volume:	95.4 bbls
Excess:	
Total Slurry:	60.6 bbls
Total Sacks:	240 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
2:50 AM			-	-	Arrived on location
3:00 AM			-	-	Safety meeting
3:10 AM			-	-	Rigged up
7:18 AM	3.4	300.0	5.0	5.0	Water ahead
7:20 AM	3.0	250.0	12.6	17.6	Mixed 50 sacks H-Plug A cement 13.8 ppg @ 2350'
7:25 AM	3.0	150.0	5.0	22.6	Begin displacement
7:29 AM				22.6	Pumped mud using rig pump for 1:45 minutes
8:22 AM	3.0	250.0	5.0	27.6	Water ahead
8:24 AM	6.0	350.0	25.2	52.8	Mixed 100 sacks H-Plug A cement 13.8 ppg @ 1200'
8:30 AM	3.0	100.0	9.0	61.8	Begin displacement
9:11 AM	3.2	150.0	5.0		Water ahead
9:13 AM	4.7	200.0	12.6		Mixed 50 sacks H-Plug A cement 13.8 ppg @ 320'
9:16 AM	3.0	100.0	0.5		Begin displacement
10:09 AM	2.0	100.0	2.5		Mixed 10 sacks H-Plug A cement with wooden plug for top 40'
10:14 AM	3.0	100.0	7.5		Mixed 30 sacks H-Plug A cement for rat hole plug
10:17 AM					Plug down
10:19 AM					Washed up and rigged down
10:38 AM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	3.4 bpm	186 psi	90 bbls
Bulk #1:	Kale	194-235			
Bulk #2:					