



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1189227
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: _____

1189227

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	KUHLMAN 11-2
Doc ID	1189227

All Electric Logs Run

Sonic Cement Bond Log
Annular Hole Volume Plot
Dual Spaced Neutron Spectral Density
Array Compensated True Resistivity

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	KUHLMAN 11-2
Doc ID	1189227

Tops

Name	Top	Datum
Heebner	3953	-722
Lansing	4012	-781
Stark	4333	-1606
B/KC	4476	-1245
Marmaton	4506	-1275
Pawnee	4598	-1367
Ft Scott	4625	-1396
Cherokee	4653	-1422
Morrow Shale	4888	-1657
Mississippi	4991	-1760



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140902
Invoice Date: Jan 18, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Hart	62139	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 18, 2014	2/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kuhlman #11-2		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
4.00	CEMENT MATERIALS	Gel	23.40	93.60
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
243.30	CEMENT SERVICE	Cubic Feet Charge	2.48	603.38
943.83	CEMENT SERVICE	Ton Mileage Charge	2.60	2,453.96
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
85.00	CEMENT SERVICE	Pump Truck Mileage	7.70	654.50
85.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	374.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

**NEW WELL
DRILLED**

St. Mitchell
1-27-14

Subtotal	10,506.19
Sales Tax	284.94
Total Invoice Amount	10,791.13
Payment/Credit Applied	
TOTAL	10,791.13

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

\$ 2,731.60

ONLY IF PAID ON OR BEFORE
Feb 12, 2014



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 141129
Invoice Date: Jan 27, 2014
Page: 1

Bill To:
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Hart	62148	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 27, 2014	2/26/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kuhlman #11-2 <i>82047</i>		
100.00	CEMENT MATERIALS	Class A Common	17.90	1,790.00
425.00	CEMENT MATERIALS	Light Weight	15.95	6,778.75
106.00	CEMENT MATERIALS	Flo Seal	2.97	314.82
665.67	CEMENT SERVICE	Cubic Feet Charge	2.48	1,650.86
2,379.15	CEMENT SERVICE	Ton Mileage Charge	2.60	6,185.79
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
85.00	CEMENT SERVICE	Pump Truck Mileage -- No Charge		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		
<p>NEW WELL DRILLED</p> <p><i>A. V. Mulet</i></p> <p><i>2-10-14</i></p>				

Subtotal	19,126.47
Sales Tax	546.34
Total Invoice Amount	19,672.81
Payment/Credit Applied	
TOTAL	19,672.81

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

\$ 4,973.07

ONLY IF PAID ON OR BEFORE
Feb 21, 2014

ALLIED OIL & GAS SERVICES, LLC 062148

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Deerhook

DATE <u>1/23/14</u>	SEC. <u>11</u>	TWP. <u>21</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Kuhlan</u>	WELL # <u>11-2</u>	LOCATION <u>Scott City 570 CL & 70 N.W. 570</u>			COUNTY <u>McCook</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>W340 SW IN E-N 1700</u>					

CONTRACTOR H2 *
 TYPE OF JOB Prod. Top Stage
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL AV DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Sumner
 CEMENT AMOUNT ORDERED 500 SK ALW 1/4 Pro Seal
100 SK Com.
1200 4 1/2 SK ALW
 COMMON 100 @ 17.99 1799.00
 POZMIX @
 GEL @
 CHLORIDE @
ALW 425 SK @ 15.95 6727.50
ALW @ 5.15 515.00
Flo Seal 100 lb @ 2.22 222.00
 HANDLING 665.62 @ 2.40 1650.22
 MILEAGE 42 @ 20.99 881.58
 TOTAL 16220.00

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 # 414201 HELPER Kevin Ryan
 BULK TRUCK
 # 383 DRIVER Tom (TWS)
 BULK TRUCK
 # 601 DRIVER Chris Hopkinsline
386 Edu (TWS)

REMARKS:
max 30 SK RT 20 SK MH max 375 SK ALW from 5 1/2
Deal w/ 100 Com. Wash Tanks
Replace plug w/ 5 4/8 ADL 1/2"
w/ 100 PSL CRT sand plug
@ 1700 PSL tool cleaned
Cement did concrete
Thank you Alan, Kevin, Chris, Tom, Edu

CHARGE TO: Hartman Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE 2406.25
 EXTRA FOOTAGE @ _____
 MILEAGE @ n/c
 MANIFOLD @ n/c
 TOTAL 2406.25

PLUG & FLOAT EQUIPMENT
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
 SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 19,127.22
 DISCOUNT 4,973.07 IF PAID IN 30 DAYS
14,154.14 Net.

FILE COPY



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 141128
Invoice Date: Jan 27, 2014
Page: 1

Bill To:
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Hart	62147	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 27, 2014	2/26/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kuhlman #11-2 <i>8204n</i>	17.90	2,685.00
150.00	CEMENT MATERIALS	Class A Common	23.40	70.20
3.00	CEMENT MATERIALS	Gel	15.95	2,392.50
150.00	CEMENT MATERIALS	Light Weight	26.35	421.60
16.00	CEMENT MATERIALS	Salt	0.98	735.00
750.00	CEMENT MATERIALS	Gilsonite	2.48	868.89
350.36	CEMENT SERVICE	Cubic Feet Charge	2.60	3,301.84
1,269.94	CEMENT SERVICE	Ton Mileage Charge	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Bottom Stage	7.70	654.50
85.00	CEMENT SERVICE	Pump Truck Mileage	275.00	275.00
1.00	CEMENT SERVICE	Manifold Rental	4.40	374.00
85.00	CEMENT SERVICE	Light Vehicle Mileage	5,335.26	5,335.26
1.00	EQUIPMENT SALES	5-1/2 D V Tool	408.33	408.33
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	324.09	324.09
1.00	EQUIPMENT SALES	5-1/2 Latch Down Assembly	394.29	788.58
2.00	EQUIPMENT SALES	5-1/2 Basket	57.33	573.30
10.00	EQUIPMENT SALES	5-1/2 Centralizer		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

NEW WELL
DRILLED

Subtotal	21,973.84
Sales Tax	844.63
Total Invoice Amount	22,818.47
Payment/Credit Applied	
TOTAL	22,818.47

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

\$ 3,781.51

ONLY IF PAID ON OR BEFORE

Feb 21, 2014

Dr. M. M. M. M.
2-10-14



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E. Berkeley Sq. PKWY.
STE 100
Wichita, KS 67206

ATTN: Max Lovely

Kuhlman #11-2

S11-21s-36w Kearney, KS

Start Date: 2014.01.25 @ 05:55:00

End Date: 2014.01.25 @ 16:54:42

Job Ticket #: 56626 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.01.28 @ 09:03:55



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co.

S11-21s-36w Kearney, KS

10500 E. Berkeley Sq. PKWY.
STE 100
Wichita, KS 67206
ATTN: Max Lovely

Kuhlman #11-2

Job Ticket: 56626

DST#: 1

Test Start: 2014.01.25 @ 05:55:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:18:12

Time Test Ended: 16:54:42

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 4611.00 ft (KB) To 4651.00 ft (KB) (TVD)

Reference Elevations: 3231.00 ft (KB)

Total Depth: 4651.00 ft (KB) (TVD)

3220.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8357

Inside

Press@RunDepth: 595.78 psig @ 4612.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.25

End Date:

2014.01.25

Last Calib.:

2014.01.25

Start Time: 05:55:05

End Time:

16:54:41

Time On Btm:

2014.01.25 @ 09:13:18

Time Off Btm:

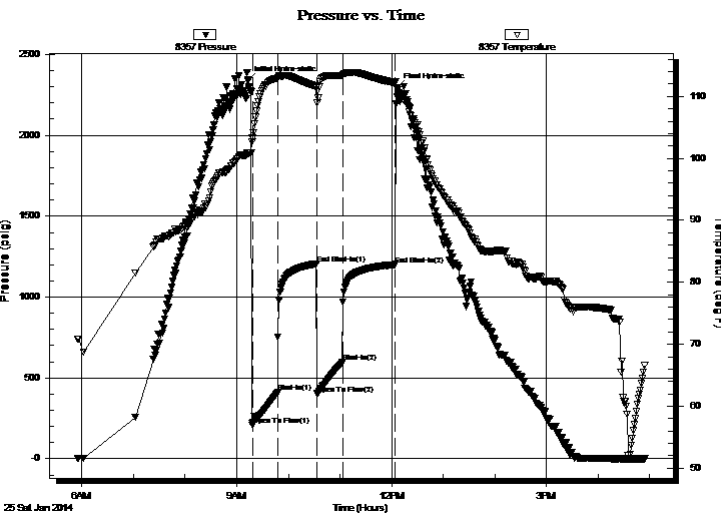
2014.01.25 @ 12:05:54

TEST COMMENT: B.O.B. @ 2 1/4 min.

B.O.B. @ 8 min.

B.O.B. @ 3 min.

B.O.B. @ 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.68	100.81	Initial Hydro-static
5	208.55	103.25	Open To Flow (1)
35	409.34	112.90	Shut-In(1)
80	1205.74	111.57	End Shut-In(1)
81	402.23	108.96	Open To Flow (2)
110	595.78	113.33	Shut-In(2)
171	1201.15	112.13	End Shut-In(2)
173	2295.05	109.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2583' GIP	0.00
180.00	OCM 40o 60m	0.89
489.00	GMCO 15g 25m 60o	6.36
496.00	GMCO 20g 5m 75o	6.96
268.00	GO 20g 80o	3.76

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co.

S11-21s-36w Kearney, KS

10500 E. Berkeley Sq. PKWY.
STE 100
Wichita, KS 67206
ATTN: Max Lovely

Kuhlman #11-2

Job Ticket: 56626

DST#: 1

Test Start: 2014.01.25 @ 05:55:00

Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4611.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4584.50	
Shut In Tool	5.00			4589.50	
Hydraulic tool	5.00			4594.50	
Jars	5.00			4599.50	
Safety Joint	2.50			4602.00	
Packer	5.00			4607.00	27.50 Bottom Of Top Packer
Packer	4.00			4611.00	
Stubb	1.00			4612.00	
Recorder	0.00	8357	Inside	4612.00	
Recorder	0.00	8645	Outside	4612.00	
Perforations	3.00			4615.00	
Change Over Sub	1.00			4616.00	
Drill Pipe	31.00			4647.00	
Change Over Sub	1.00			4648.00	
Bullnose	3.00			4651.00	40.00 Bottom Packers & Anchor

Total Tool Length: 67.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co.

S11-21s-36w Kearney, KS

10500 E. Berkeley Sq. PKWY.
STE 100
Wichita, KS 67206
ATTN: Max Lovely

Kuhlman #11-2

Job Ticket: 56626

DST#: 1

Test Start: 2014.01.25 @ 05:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

33 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2583' GIP	0.000
180.00	OCM 40o 60m	0.885
489.00	GMCO 15g 25m 60o	6.358
496.00	GMCO 20g 5m 75o	6.958
268.00	GO 20g 80o	3.759

Total Length: 1433.00 ft Total Volume: 17.960 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 33 @ 60 Degrees F = 33.

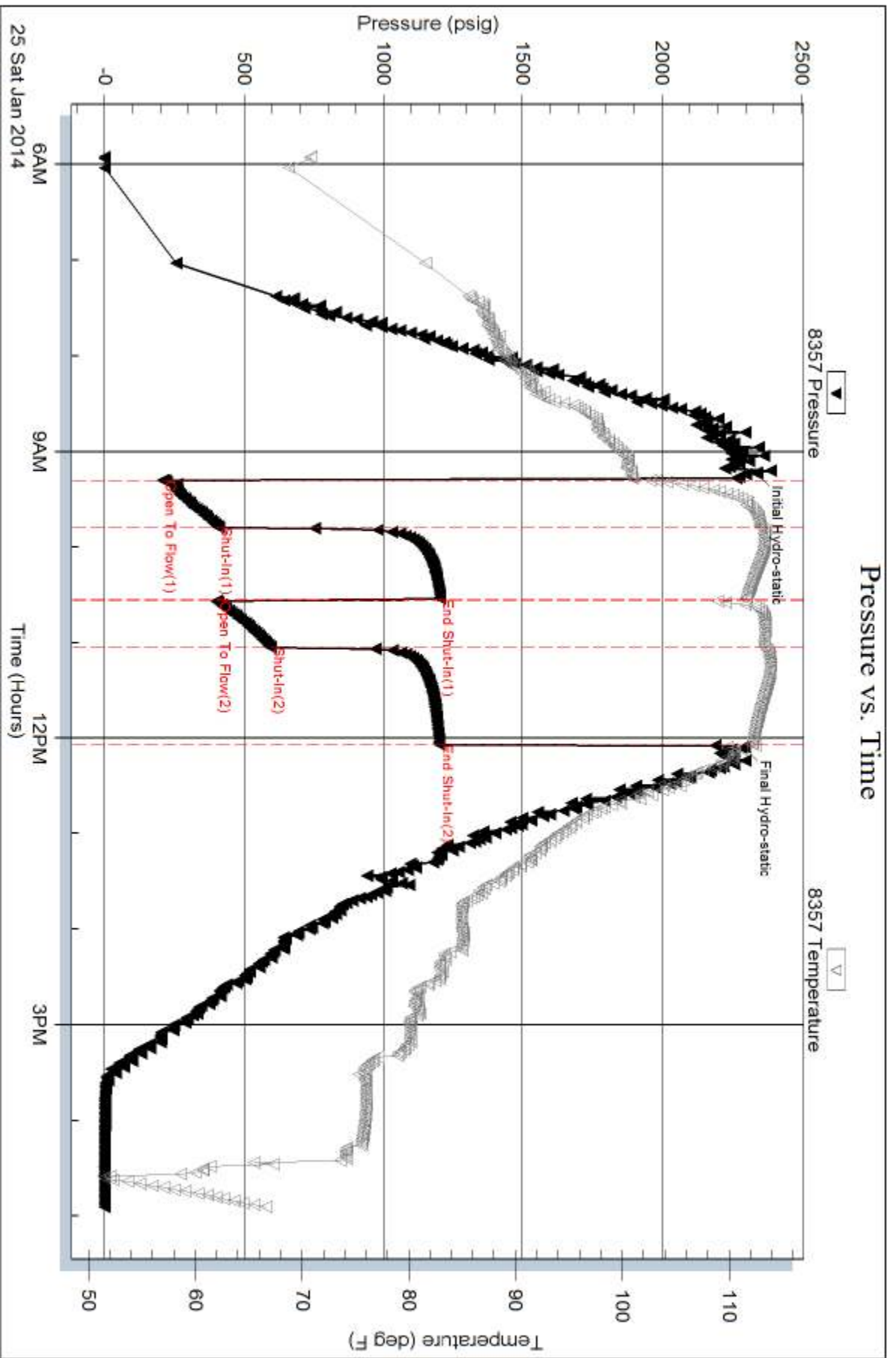
Serial #: 8357

Inside

Hartman Oil Co.

Kuhman #11-2

DST Test Number: 1

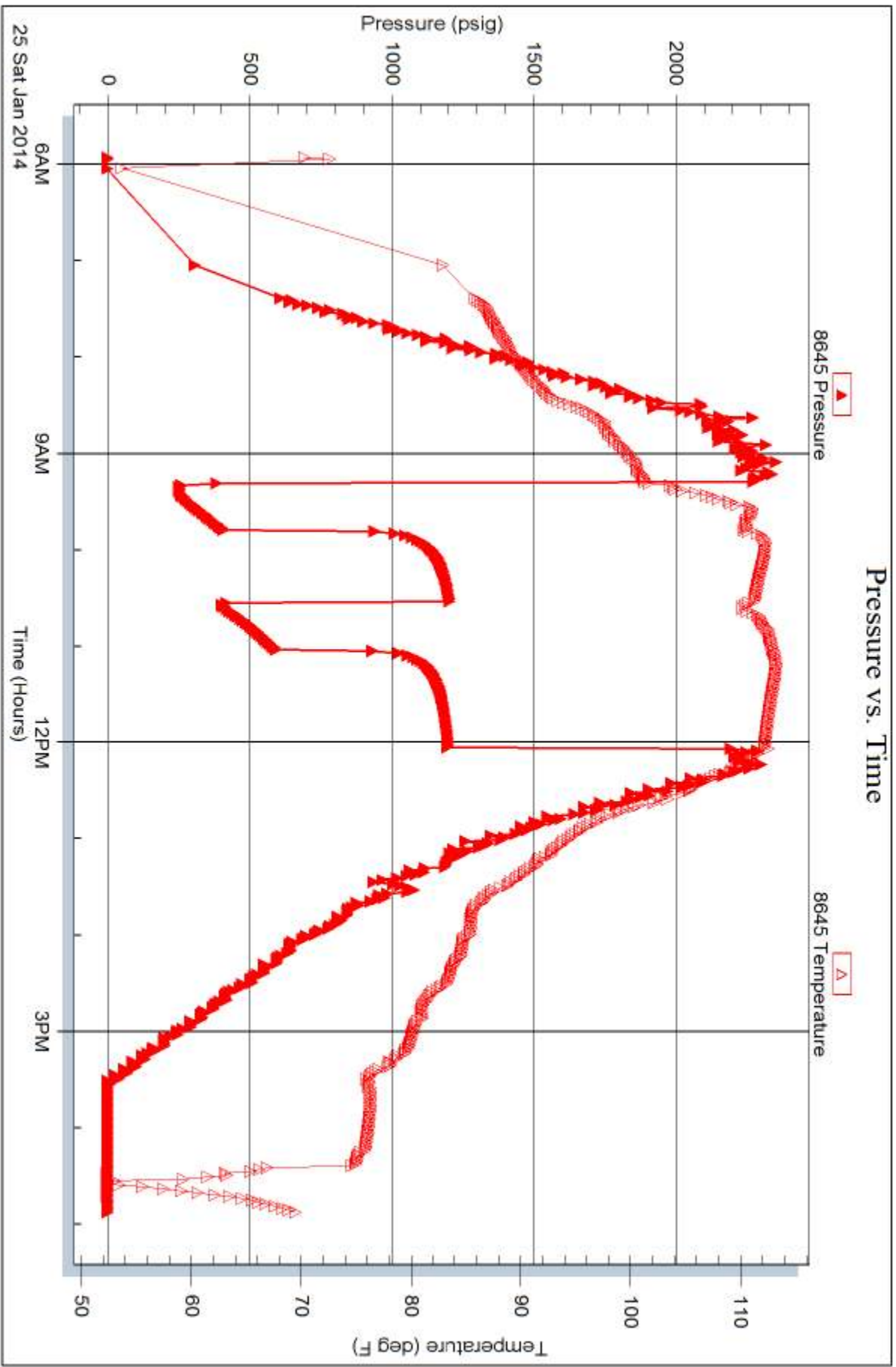


Serial #: 8645

Outside Hartman Oil Co.

Kuhman #11-2

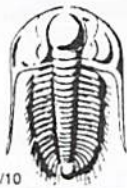
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56626

Printed: 2014.01.28 @ 09:03:58



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56626

Well Name & No. Kuhlman 11-2 Test No. 1 Date 1-25-14
 Company Hartman Oil Co. Elevation 3231 KB 3220 GL
 Address 10500 E. Berkeley Sq. PKWY STE 100 Wichita, KS 67206
 Co. Rep / Geo. Max Lovely Rig H2 #2
 Location: Sec. 11 Twp. 21s Rge. 36w Co. Kearney State Ks

Interval Tested 4611 - 4651 Zone Tested Pawnee
 Anchor Length 40 Drill Pipe Run 4364 Mud Wt. 9.5
 Top Packer Depth 4607 Drill Collars Run 235 Vis 50
 Bottom Packer Depth 4611 Wt. Pipe Run 0 WL 8.0
 Total Depth 4651 Chlorides 6500 ppm System LCM 2nd
 Blow Description B.O.B. @ 2 1/4 min.
B.O.B. @ 8 min.
B.O.B. @ 3 min.
B.O.B. @ 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
	<u>2583' GIP</u>				
Rec <u>286</u>	Feet of <u>60 20g</u>	<u>20</u>	<u>80</u>		
Rec <u>496</u>	Feet of <u>GMCO</u>	<u>20</u>	<u>75</u>		<u>5</u>
Rec <u>489</u>	Feet of <u>GMCO</u>	<u>15</u>	<u>60</u>		<u>25</u>
Rec <u>180</u>	Feet of <u>OCM</u>		<u>40</u>		<u>60</u>

Rec Total 1433 BHT 112 Gravity 33 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2338 Test 1250 T-On Location 5:15
 (B) First Initial Flow 209 Jars 250 T-Started 5:55
 (C) First Final Flow 409 Safety Joint 75 T-Open 9:18
 (D) Initial Shut-In 1206 Circ Sub T-Pulled 12:04
 (E) Second Initial Flow 402 Hourly Standby 1 3/4 1h 100 T-Out 16:55
 (F) Second Final Flow 596 Mileage 101RT X2 313.10 Comments Picked up tools 1-27-14
 (G) Final Shut-In 1201 Sampler 7:30 am. No test
 (H) Final Hydrostatic 2295 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 800
 Day Standby 1d 14.5h Total 2938.10
 Accessibility 150 MP/DST Disc't
 Sub Total 2138.10

Approved By Max Lovely Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.