



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183168
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: _____

1183168

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

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	Hartman Oil Co., Inc.
Well Name	Prime Pork 1-11
Doc ID	1183168

All Electric Logs Run

Spectral Density Neutron
Compensated Resistivity
Borehole Compensated Sonic
Microlog
Radial Cement Bond Log

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Prime Pork 1-11
Doc ID	1183168

Tops

Name	Top	Datum
Heebner	4008	-892
Lansing	4050	-935
Stark	4360	-1244
B/KC	4449	-1333
Marmaton	4504	-1388
Pawnee	4602	-1486
Cherokee	4670	-1554
Mississippi	4911	-1795
RTD	4990	-1874



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co. Inc.**

10500 E. Berkeley Sq Pkwy Ste 100
Wichita KS 67202

ATTN: Kitt Noah / Stan Mit

Prime Pork #1-11

11-18s-34w Scott,KS

Start Date: 2013.12.30 @ 04:10:00

End Date: 2013.12.30 @ 13:50:00

Job Ticket #: 56676 DST #: 1

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

Printed: 2014.01.07 @ 14:41:44

Hartman Oil Co. Inc. 11-18s-34w Scott,KS Prime Pork #1-11 DST # 1 Marmaton " A - C "

2013.12.30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkw y Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 56676

DST#: 1

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.30 @ 04:10:00

GENERAL INFORMATION:

Formation: **Marmaton " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:46:45

Time Test Ended: 13:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: BOB HAMEL

Unit No: 65

Interval: **4458.00 ft (KB) To 4555.00 ft (KB) (TVD)**

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3104.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8846

Inside

Press@RunDepth: 515.79 psig @ 4527.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.30

End Date:

2013.12.30

Last Calib.:

2013.12.30

Start Time: 04:10:15

End Time:

13:50:00

Time On Btm:

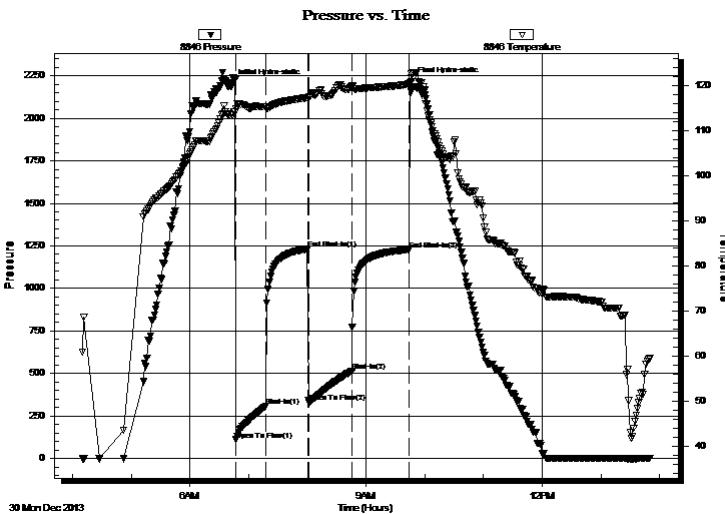
2013.12.30 @ 06:42:30

Time Off Btm:

2013.12.30 @ 09:46:15

TEST COMMENT: I.F. - 30 - BOB in 4 min
I.S.I. - 45 - No blow back
F.F. - 45 - BOB in 5 min
F.S.I. - 60 - No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.30	113.59	Initial Hydro-static
5	110.03	114.90	Open To Flow (1)
35	308.92	115.35	Shut-In(1)
78	1232.46	117.38	End Shut-In(1)
80	329.38	117.58	Open To Flow (2)
124	515.79	119.81	Shut-In(2)
182	1228.84	120.36	End Shut-In(2)
184	2216.86	122.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
272.00	S,M,C,O,W 5% MUD 30% OIL 65% WATER	1.34
378.00	S,M,C,G,O, 5% MUD 10% GAS 85% OIL	4.39
252.00	H,G,C,O, 20% GAS 80% OIL	3.53
189.00	CLEAN OIL 100%	2.65
0.00	126' GAS IN PIPE	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

11-18s-34w Scott, KS

10500 E. Berkeley Sq Pkw y Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 56676 **DST#: 1**

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.30 @ 04:10:00

GENERAL INFORMATION:

Formation: **Marmaton " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:46:45

Time Test Ended: 13:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: BOB HAMEL

Unit No: 65

Interval: 4458.00 ft (KB) To 4555.00 ft (KB) (TVD)

Total Depth: 4555.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3116.00 ft (KB)

3104.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8646 Outside

Press@RunDepth: psig @ 4527.00 ft (KB)

Start Date: 2013.12.30

End Date: 2013.12.30

Start Time: 04:10:15

End Time: 13:50:00

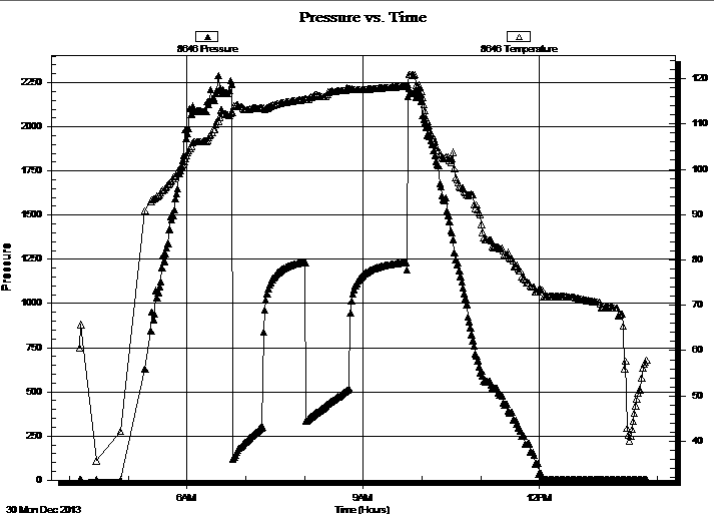
Capacity: 8000.00 psig

Last Calib.: 2013.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: I.F. - 30 - BOB in 4 min
I.S.I. - 45 - No blow back
F.F. - 45 - BOB in 5 min
F.S.I. - 60 - No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
272.00	S,M,C,O,W 5% MUD 30% OIL 65% WATER	1.34
378.00	S,M,C,G,O, 5% MUD 10% GAS 85% OIL	4.39
252.00	H,G,C,O, 20% GAS 80% OIL	3.53
189.00	CLEAN OIL 100%	2.65
0.00	126' GAS IN PIPE	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkwy Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 56676

DST#: 1

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.30 @ 04:10:00

Tool Information

Drill Pipe:	Length: 4070.00 ft	Diameter: 3.80 inches	Volume: 57.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4458.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	126.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4430.00	
Shut In Tool	5.00			4435.00	
Hydraulic tool	5.00			4440.00	
Jars	5.00			4445.00	
Safety Joint	3.00			4448.00	
Packer	5.00			4453.00	29.00 Bottom Of Top Packer
Packer	5.00			4458.00	
Stubb	1.00			4459.00	
Perforations	3.00			4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	63.00			4526.00	
Change Over Sub	1.00			4527.00	
Recorder	0.00	8846	Inside	4527.00	
Recorder	0.00	8646	Outside	4527.00	
Perforations	23.00			4550.00	
Bullnose	5.00			4555.00	97.00 Bottom Packers & Anchor
Total Tool Length:	126.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkw y Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 56676

DST#: 1

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.30 @ 04:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
272.00	S,M,C,O,W 5%MUD 30%OIL 65%WATER	1.338
378.00	S,M,C,G,O, 5%MUD 10%GAS 85%OIL	4.391
252.00	H,G,C,O, 20%GAS 80%OIL	3.535
189.00	CLEAN OIL 100%	2.651
0.00	126' GAS IN PIPE	0.000

Total Length: 1091.00 ft Total Volume: 11.915 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

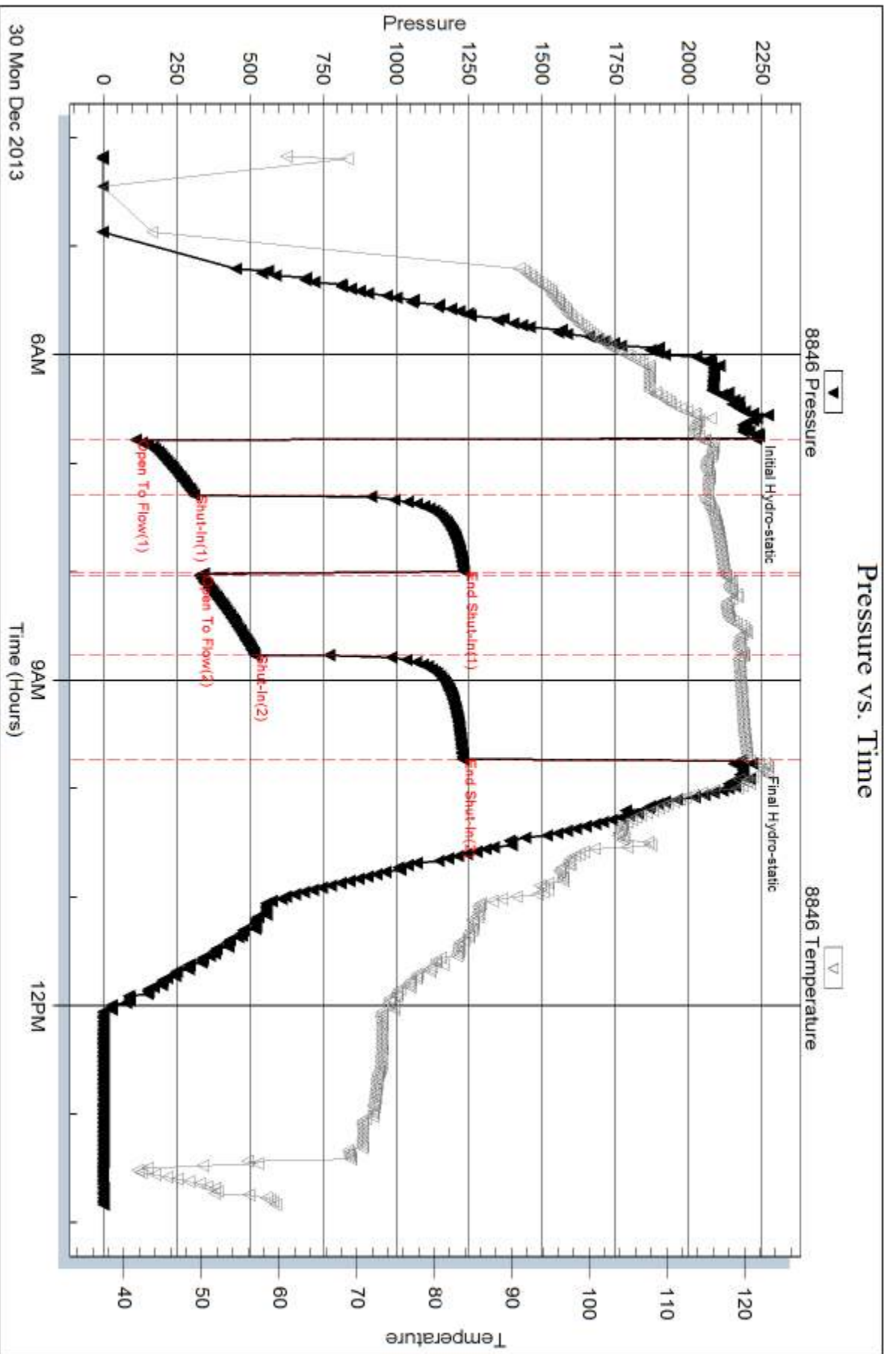
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 33.8 @ 60 DEG.

Rw .3 OHMS @ 50 DEG

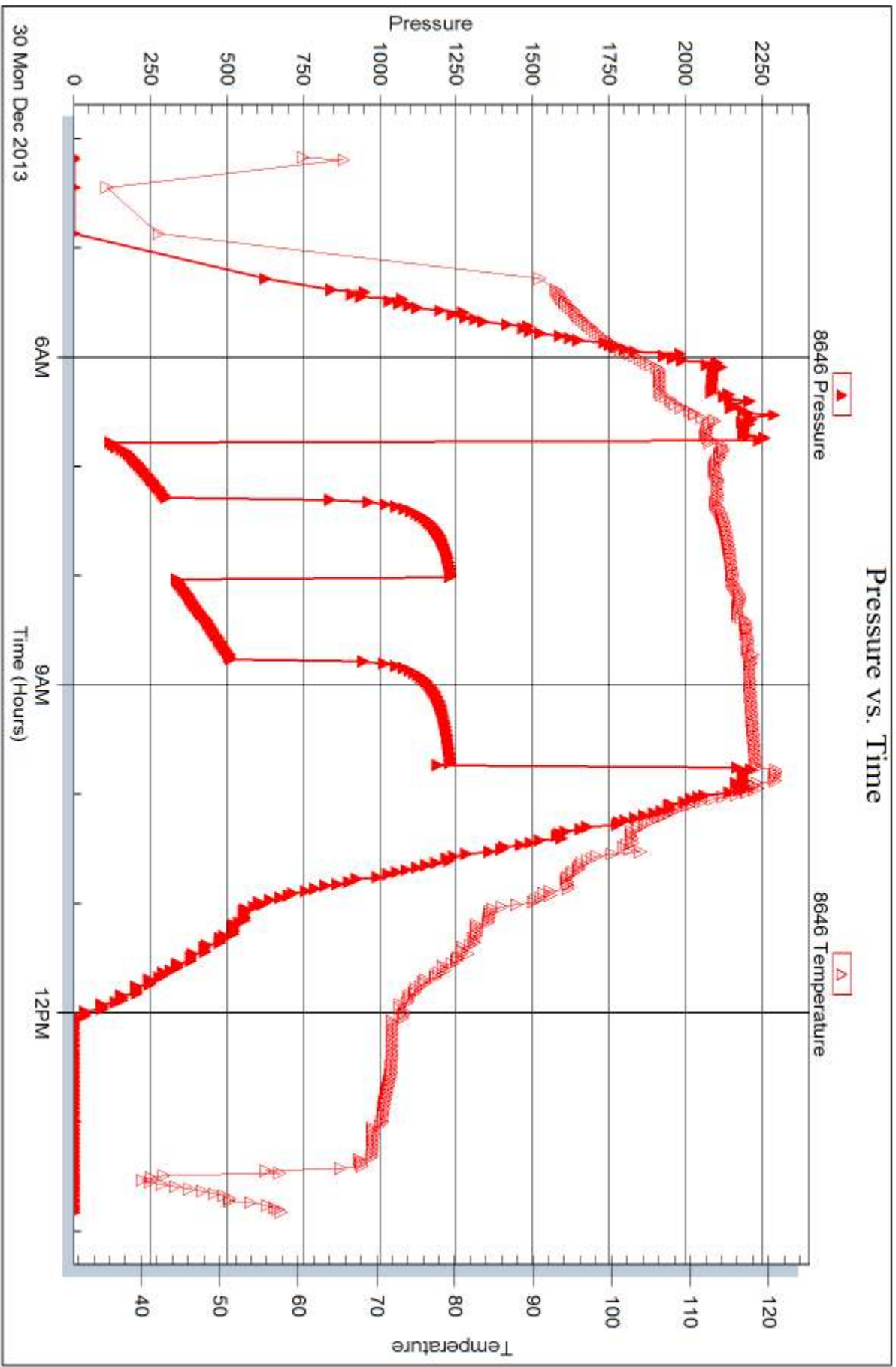


Serial #: 8646

Outside Hartman Oil Co. Inc.

Prime Pork #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56676

Printed: 2014.01.07 @ 14:41:46



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co. Inc.**

10500 E. Berkeley Sq Pkwy Ste 100
Wichita KS 67202

ATTN: Kitt Noah / Stan Mit

Prime Pork #1-11

11-18s-34w Scott,KS

Start Date: 2013.12.31 @ 00:13:00

End Date: 2013.12.31 @ 06:12:30

Job Ticket #: 54721 DST #: 2

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

Printed: 2014.01.07 @ 14:40:40



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hartman Oil Co. Inc.
 10500 E. Berkeley Sq Pkwy Ste 100
 Wichita KS 67202
 ATTN: Kitt Noah / Stan Mit

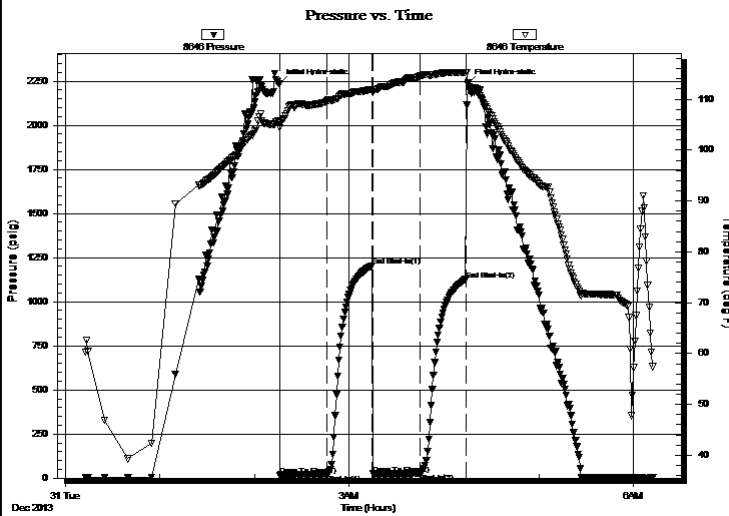
11-18s-34w Scott,KS
Prime Pork #1-11
 Job Ticket: 54721 **DST#: 2**
 Test Start: 2013.12.31 @ 00:13:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:16:00
 Time Test Ended: 06:12:30
 Interval: **4560.00 ft (KB) To 4588.00 ft (KB) (TVD)**
 Total Depth: 4588.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3116.00 ft (KB)
 3104.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8646 Inside
 Press@RunDepth: 25.58 psig @ 4561.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.31 End Date: 2013.12.31 Last Calib.: 2013.12.31
 Start Time: 00:13:00 End Time: 06:12:30 Time On Btm: 2013.12.31 @ 02:15:45
 Time Off Btm: 2013.12.31 @ 04:15:00

TEST COMMENT: IF: Built to 1/2" blow
 IS: No return blow
 FF: Built to weak surface blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.27	105.73	Initial Hydro-static
1	17.50	104.42	Open To Flow (1)
30	21.47	109.65	Shut-In(1)
59	1204.71	111.91	End Shut-In(1)
60	23.33	111.39	Open To Flow (2)
89	25.58	114.56	Shut-In(2)
118	1123.97	115.28	End Shut-In(2)
120	2238.33	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkwy Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 54721

DST#: 2

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.31 @ 00:13:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:16:00

Time Test Ended: 06:12:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4560.00 ft (KB) To 4588.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4588.00 ft (KB) (TVD)

3104.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8846 Outside

Press@RunDepth: psig @ 4561.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.31 End Date: 2013.12.31

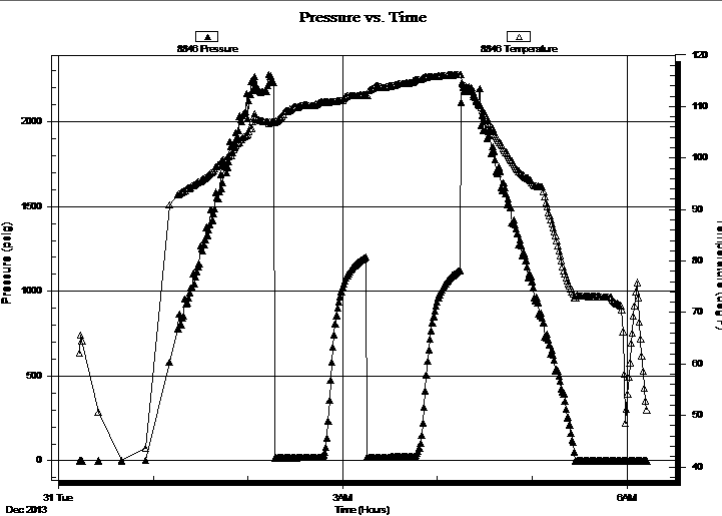
Last Calib.: 2013.12.31

Start Time: 00:13:15 End Time: 06:13:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Built to 1/2" blow
IS: No return blow
FF: Built to weak surface blow
FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkw y Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 54721

DST#: 2

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.31 @ 00:13:00

Tool Information

Drill Pipe:	Length: 4312.00 ft	Diameter: 3.80 inches	Volume: 60.49 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.68 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4560.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4541.00	
Shut In Tool	5.00			4546.00	
Hydraulic tool	5.00			4551.00	
Packer	5.00			4556.00	20.00 Bottom Of Top Packer
Packer	4.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	8646	Inside	4561.00	
Recorder	0.00	8846	Outside	4561.00	
Perforations	22.00			4583.00	
Bullnose	5.00			4588.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

11-18s-34w Scott,KS

10500 E. Berkeley Sq Pkw y Ste 100
Wichita KS 67202

Prime Pork #1-11

Job Ticket: 54721

DST#: 2

ATTN: Kitt Noah / Stan Mit

Test Start: 2013.12.31 @ 00:13:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud w ith oil spots	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

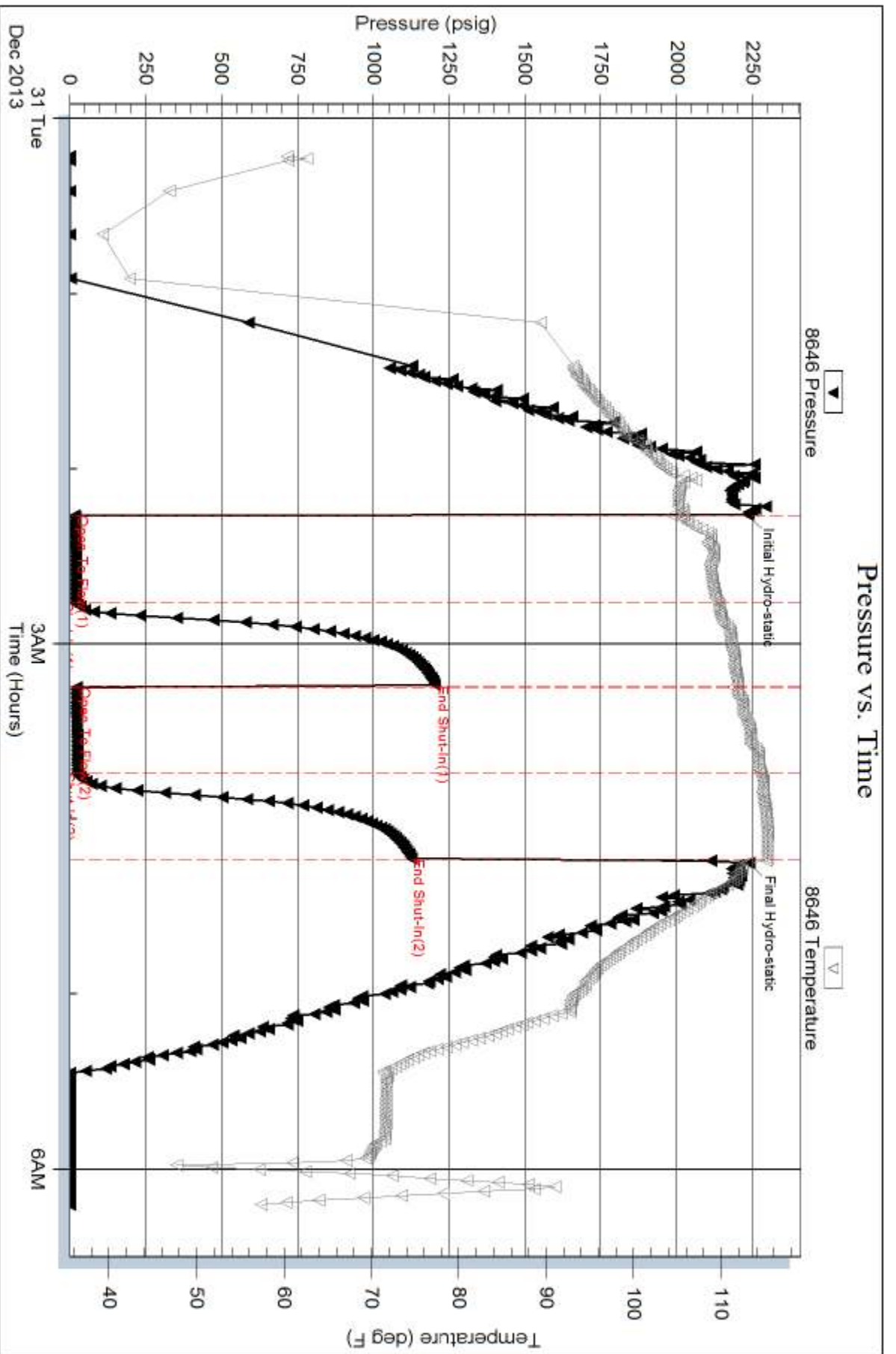
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

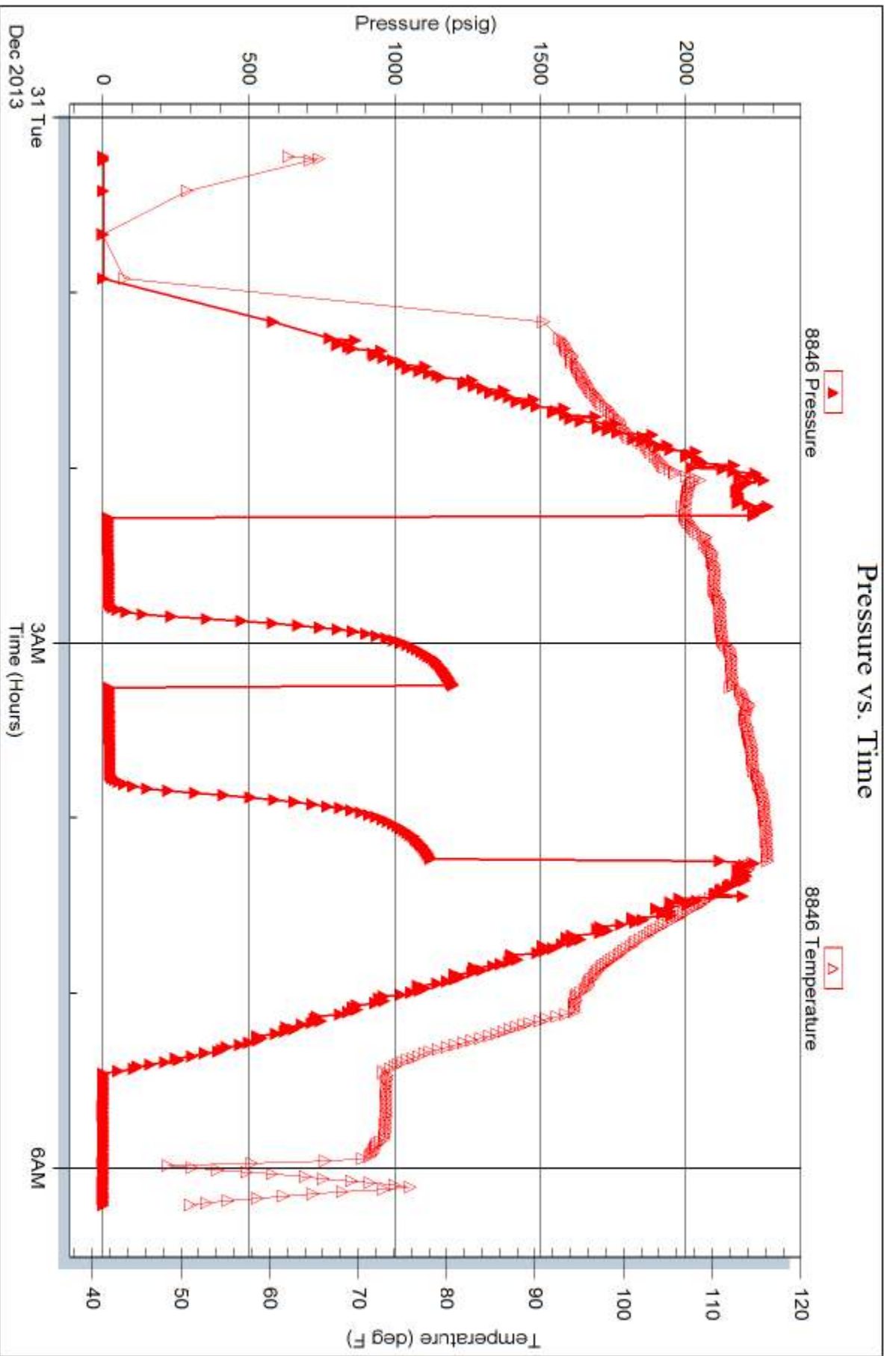


Serial #: 8846

Outside Hartman Oil Co. Inc.

Prime Pork #1-11

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 54721

Printed: 2014.01.07 @ 14:40:43



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56676

Well Name & No. Prime Pock # 1-11 Test No. 1 Date 12-30-13
 Company Hartman Oil Co. INC. Elevation 3116 KB _____ GL _____
 Address 10500 E. Berkeley Sq. Pkwy. Suite 100 Wichita KS. 67206
 Co. Rep / Geo. Ritt Noah / Stan Mitchell Rig H2 Rig # 2
 Location: Sec. 11 Twp. 18-S Rge. 34-W Co. Scott State KS.

Interval Tested 4458-4555 Zone Tested Marathon "A-C"
 Anchor Length 97 Drill Pipe Run 4070 Mud Wt. 9.3
 Top Packer Depth 4453 Drill Collars Run 372 Vis 50
 Bottom Packer Depth 4458 Wt. Pipe Run _____ WL 10.0
 Total Depth 4555 Chlorides 6,000 ppm System LCM 2

Blow Description I.F. - 30 - 1/2 INT. Blow Built to (B.O.B. in 4 Min.)
I.S.I. - 45 - NO B.B.
E.F. - 45 - 1/4 INT. Blow Built to (B.O.B. in 5 Min.)
F.S.I. - 60 - NO B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>126</u>	<u>GIP</u>	<u>100</u>			
<u>189</u>	<u>Clean oil</u>		<u>100</u>		
<u>252</u>	<u>HgCO</u>	<u>20</u>	<u>80</u>		
<u>378</u>	<u>S/MC go</u>	<u>10</u>	<u>85</u>		<u>5</u>
<u>272</u>	<u>S/MC oil</u>		<u>30</u>	<u>65</u>	<u>5</u>

Rec Total 1091 BHT 123 Gravity 33.8 API RW -3 @ 50 °F Chlorides 33,000 ppm

(A) Initial Hydrostatic 2206 Test 1250 T-On Location 02:50:00
 (B) First Initial Flow 110 Jars 250 T-Started 04:10:00
 (C) First Final Flow 309 Safety Joint 75 T-Open 06:49:00
 (D) Initial Shut-In 1,232 Circ Sub _____ T-Pulled 09:49:00
 (E) Second Initial Flow 330 Hourly Standby _____ T-Out 13:50:00
 (F) Second Final Flow 516 Mileage 2012.1 31 Comments _____
 (G) Final Shut-In 1,229 Sampler _____ "Thank-you"
 (H) Final Hydrostatic 2,186 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1756
 Accessibility 150 MP/DST Disc't _____
 Sub Total 1756

Approved By _____ Our Representative [Signature]



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **54721**

Well Name & No. Prime Post #1-11 Test No. 2 Date 12-31-13
 Company Hartman Oil Co. Inc. Elevation 3116 KB 3104 GL
 Address 10500 E. Berkeley SQ Pkwy. Suite 100 Wichita KS
 Co. Rep / Geo. KiH Noah Rig H2#2
 Location: Sec. 11 Twp. 18 Rge. 34 Co. Scott State KS

Interval Tested 4560 - 4588 Zone Tested Pawnee
 Anchor Length 28 Drill Pipe Run ~~4312~~ 4312 Mud Wt. 9.4
 Top Packer Depth 4556 Drill Collars Run 241 Vis 46
 Bottom Packer Depth 4560 Wt. Pipe Run Ø WL 8.8
 Total Depth 4588 Chlorides 8000 ppm System LCM 2

Blow Description IF: Built to 1/2" Blow
IS: No Return Blow
FF: Built to Weak Surface Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 110 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2234 Test 1250 T-On Location 23:45
 (B) First Initial Flow 17 Jars _____ T-Started 00:13
 (C) First Final Flow 21 Safety Joint _____ T-Open 02:15
 (D) Initial Shut-In 1204 Circ Sub NC T-Pulled 04:15
 (E) Second Initial Flow 23 Hourly Standby _____ T-Out 06:12
 (F) Second Final Flow 25 Mileage 20RT 31
 (G) Final Shut-In 1123 Sampler _____
 (H) Final Hydrostatic 2238 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1431
 Accessibility 150 MP/DST Disc't _____
 Sub Total 1431

Approved By KiH Noah Our Representative Mike Roberts

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.



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 140436
Invoice Date: Dec 17, 2013
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	61426	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 17, 2013	1/16/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Prime Pork #1-11		
215.00	CEMENT MATERIALS	Class A Common	17.90	3,848.50
4.00	CEMENT MATERIALS	Gel	23.40	93.60
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
232.49	CEMENT SERVICE	Cubic Feet Charge	2.48	576.58
583.55	CEMENT SERVICE	Ton Mileage Charge	2.60	1,517.23
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
55.00	CEMENT SERVICE	Pump Truck Mileage	7.70	423.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
55.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	242.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

85034

NEW WELL DRILLED

A. T. Mubet
1-2-14

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

\$ 2,340.17

ONLY IF PAID ON OR BEFORE

Jan 11, 2014

Subtotal	9,000.66
Sales Tax	363.01
Total Invoice Amount	9,363.67
Payment/Credit Applied	
TOTAL	9,363.67



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 140693
Invoice Date: Jan 2, 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	62476	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 2, 2014	2/1/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Prime Pork #1-11		
200.00	CEMENT MATERIALS	Class A Common	17.90	3,580.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
650.00	CEMENT MATERIALS	Light Weight	15.95	10,367.50
750.00	CEMENT MATERIALS	Gilsonite	0.98	735.00
15.00	CEMENT MATERIALS	Salt	26.35	395.25
162.00	CEMENT MATERIALS	Flo Seal	2.97	481.14
948.42	CEMENT SERVICE	Cubic Feet Charge	2.48	2,352.08
2,204.95	CEMENT SERVICE	Ton Mileage Charge	2.60	5,732.87
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
55.00	CEMENT SERVICE	Pump Truck Mileage	7.70	423.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
55.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	242.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	408.33	408.33
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug Assembly	324.09	324.09
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.26	5,335.26
2.00	EQUIPMENT SALES	5-1/2 Basket	394.29	788.58
10.00	EQUIPMENT SALES	5-1/2 Centralizer	57.33	573.30
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	CEMENT SUPERVISOR	Kelly Gabel		

**NEW WELL
COMPLETION**

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

\$ 7,754.90

ONLY IF PAID ON OR BEFORE
Jan 27, 2014

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

Dr. Mubet
1-20-14



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 140693
Invoice Date: Jan 2, 2014
Page: 2

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	62476	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 2, 2014	2/1/14

Quantity	Item	Description	Unit Price	Amount
1.00	OPERATOR ASSISTANT	Adam Flipse		

Subtotal	37,256.10
Sales Tax	1,879.28
Total Invoice Amount	39,135.38
Payment/Credit Applied	
TOTAL	39,135.38

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

\$ 7,754.90

ONLY IF PAID ON OR BEFORE
Jan 27, 2014

ALLIED OIL & GAS SERVICES, LLC 062476

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: osklex

DATE <u>1-2-14</u>	SEC. <u>11</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30A 8:00</u>	JOB FINISH <u>4:00 9:00A</u>
LEASE <u>Prime Park</u>	WELL# <u>1-11</u>	LOCATION <u>scott city AUTO Eagle Rd</u>		COUNTY <u>SCOTT</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one)			<u>1 1/2 N W into</u>				

CONTRACTOR <u>H2 Drilling #2</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production (3 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4990</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4990.46</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV</u>	DEPTH <u>2433.64</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS. <u>bottom</u>	
DISPLACEMENT <u>40 58.41 52.92</u>	<u>top</u>
EQUIPMENT	

CEMENT	AMOUNT ORDERED <u>150 sks Lite 5# Gilsomite</u>
	<u>4 Flo-seal 150 sks com 10% soft 200 gal</u>
	<u>500 sks Lite 1/4 Flo-seal 50 sks com</u>
COMMON <u>200 sks</u>	@ <u>17.90</u> <u>3580.00</u>
POZMIX	@
GEL <u>3 sks</u>	@ <u>23.40</u> <u>70.20</u>
CHLORIDE	@
ASC	@
Lite <u>650 sks</u>	@ <u>15.85</u> <u>10302.50</u>
	@
Gilsomite <u>250#</u>	@ <u>8.98</u> <u>2245.00</u>
	@
Salt <u>15 sks</u>	@ <u>26.35</u> <u>395.25</u>
	@
Flo-seal <u>11.2#</u>	@ <u>42.92</u> <u>481.14</u>
	@
HANDLING <u>948.42</u>	@ <u>2.48</u> <u>2352.08</u>
MILBAGE <u>4000</u>	@ <u>1.42</u> <u>568.00</u>
TOTAL <u>23719.04</u>	

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Forster</u>
	HELPER <u>Kelly Cahal</u>
BULK TRUCK # <u>323</u>	DRIVER <u>Eddie (TWS)</u>
BULK TRUCK # <u>818</u>	DRIVER <u>Adam Fipse</u>
<u>600</u>	<u>Terry Heinrich</u>

REMARKS:

Mix 150 sks Lite followed by 150 sks com wash
Pump and line clean. Displace plug. Plug
landed. float hets. Plug move hole
20 sks. Plug Rat hole 30 sks. mix 450 sks
Lite down sta casing followed by 50 sks
com. wash pump and line clean. Displace
plug. Plug landed. Tool allowed cement
dis circulate.

thank you

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

SERVICE

DEPTH OF JOB <u>4990.46</u>	
PUMP TRUCK CHARGE <u>2765.25</u>	<u>top</u> <u>2406.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>55 miles</u>	@ <u>7.70</u> <u>423.50</u>
MANIFOLD head	@ <u>275.00</u>
Light vehicle	@ <u>4140</u> <u>292.00</u>
	@
TOTAL <u>6112.50</u>	

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>	
1 Lape float shoe	@ <u>408.73</u>
1 catchdown Plug Assy	@ <u>324.09</u>
1 DV TOOL	@ <u>5335.26</u>
2 Baskets	@ <u>394.29</u> <u>788.58</u>
10 centralizer	@ <u>52.33</u> <u>523.30</u>
TOTAL <u>7429.56</u>	

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.

SALES TAX (If Any) _____
TOTAL CHARGES 27,256.10
DISCOUNT 7,754.90 IF PAID IN 30 DAYS
29,501.20 Net.

PRINTED NAME STEVEN CRAIG
SIGNATURE Steven Craig



ALLIED OIL & GAS SERVICES, LLC 061426

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>12-17-13</u>	SEC. <u>11</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>4:00 a.m.</u>	JOB START <u>6:30 a.m.</u>	JOB FINISH <u>7:00 a.m.</u>
LEASE <u>Prime Pork</u>	WELL # <u>1-11</u>	LOCATION <u>Scott City W to Eagle Rd</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>1 1/2 W Winto</u>				

CONTRACTOR H2 rig
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 328'
 CASING SIZE 8 5/8 DEPTH 326.46
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 19.84 bbl water

OWNER Same
 CEMENT AMOUNT ORDERED 215 sks Com 3% CC
2% Gel

EQUIPMENT
 PUMP TRUCK CEMENTER Paul Beaver
 # 423 HELPER Tyler Flipse
 BULK TRUCK
 # 818 DRIVER Juan (2) (TWS)
 BULK TRUCK DRIVER

COMMON	<u>215 sks @</u>	<u>17.90</u>	<u>3848.50</u>
POZMIX	@		
GEL	<u>4 sks @</u>	<u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8 sks @</u>	<u>64.00</u>	<u>512.00</u>
ASC	@		
HANDLING	<u>232.49 + 75</u>	<u>@ 2.48</u>	<u>576.58</u>
MILEAGE	<u>10.61 hrs @ 55mi</u>	<u>+ 2.60</u>	<u>1517.23</u>
TOTAL			<u>6547.91</u>

REMARKS:
Mix 215 sks Com 3% CC 2% Gel
Displace w/ water (19.84 bbl)
Cement did circulate

Thank You!
Paul/Tyler

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

SERVICE
 DEPTH OF JOB 328'
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 MILEAGE MIAV 55 @ 7.70 423.50
 MANIFOLD Swedge @ 275.00
 MILU 55 @ 4.40 242.00
 TOTAL 2452.75

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.

SALES TAX (If Any) _____
 TOTAL CHARGES 9,000.66
 DISCOUNT 2,340.17 IF PAID IN 30 DAYS
6,660.48 Net.

PRINTED NAME STEVEN CRAIG
 SIGNATURE Steven Craig

FILE COPY