



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1133595
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: _____



1133595

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
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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				

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> <input type="checkbox"/> Other <i>(Specify)</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	WILKINSON 2-22
Doc ID	1133595

All Electric Logs Run

Spectral Density Neutron
Compensated Resistivity
Microlog
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	WILKINSON 2-22
Doc ID	1133595

Tops

Name	Top	Datum
Toronto	4036	-917
Lansing	4064	-945
Stark	4344	-1225
B/KC	4452	-1353
Marmaton	4506	-1387
Pawnee	4592	-1473
Cherokee	4664	-1545
Mississippi	4860	-1741
RTD	4970	-1851
LTD	4966	-1847

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 19, 2013

Stan Mitchell
Hartman Oil Co., Inc.
10500 E BERKELEY SQ PKWY STE 100
WICHITA, KS 67206

Re: ACO1
API 15-171-20933-00-00
WILKINSON 2-22
SE/4 Sec.22-17S-34W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Stan Mitchell



DRILL STEM TEST REPORT

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

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206

ATTN: Kitt Noah

Wilkinson #2-22

22-17s-34w Scott,KS

Start Date: 2013.03.18 @ 07:38:00

End Date: 2013.03.18 @ 16:35:25

Job Ticket #: 49793 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.22 @ 10:16:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hartman Oil Co. Inc
10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

22-17s-34w Scott,KS

Wilkinson #2-22

Job Ticket: 49793

DST#: 1

Test Start: 2013.03.18 @ 07:38:00

GENERAL INFORMATION:

Formation: **Marmanton " B - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:47:10

Time Test Ended: 16:35:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 4501.00 ft (KB) To 4555.00 ft (KB) (TVD)

Total Depth: 4555.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3119.00 ft (KB)

3110.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 577.09 psig @ 4502.00 ft (KB)

Start Date: 2013.03.18

End Date: 2013.03.18

Start Time: 07:38:00

End Time: 16:35:25

Capacity: 8000.00 psig

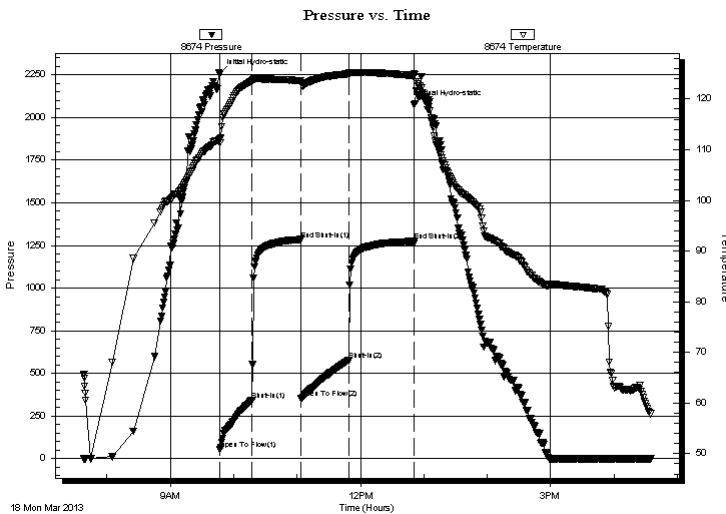
Last Calib.: 2013.03.18

Time On Btm: 2013.03.18 @ 09:46:55

Time Off Btm: 2013.03.18 @ 12:50:54

TEST COMMENT: IF- Surface Blow Built to BOB in 4 1/4 min
IS- Weak Surface Blow in 3 min Built to 4 1/2"
FF- Surface Blow Built to BOB in 5 1/2 min
FS- Weak Surface Blow in 1 min Built to 1" died back to 1/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.31	112.06	Initial Hydro-static
1	54.89	111.40	Open To Flow (1)
31	343.04	123.54	Shut-In(1)
77	1285.23	123.62	End Shut-In(1)
77	351.61	123.22	Open To Flow (2)
123	577.09	124.96	Shut-In(2)
184	1274.16	124.61	End Shut-In(2)
184	2074.75	125.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
373.00	MWGCO 8%m 15%w 30%g 47%oil	2.41
315.00	MWGCO 3%m 4%w 15%g 78%oil	4.42
441.00	MGCO 8%m 19%g 73%oil	6.19
189.00	MGCO 12%m 38%g 50%oil	2.65
108.00	GMCO 8%g 23%m 69%oil	1.51
0.00	378' of GIP	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

22-17s-34w Scott,KS

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

Wilkinson #2-22

Job Ticket: 49793

DST#: 1

Test Start: 2013.03.18 @ 07:38:00

Tool Information

Drill Pipe:	Length: 4175.00 ft	Diameter: 3.80 inches	Volume: 58.56 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	4000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4501.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	82.00 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			4474.00	
Shut In Tool	5.00			4479.00	
Hydraulic tool	5.00			4484.00	
Jars	5.00			4489.00	
Safety Joint	3.00			4492.00	
Packer	5.00			4497.00	28.00 Bottom Of Top Packer
Packer	4.00			4501.00	
Stubb	1.00			4502.00	
Recorder	0.00	8355	Outside	4502.00	
Recorder	0.00	8674	Inside	4502.00	
Perforations	17.00			4519.00	
Change Over Sub	1.00			4520.00	
Drill Pipe	31.00			4551.00	
Change Over Sub	1.00			4552.00	
Bullnose	3.00			4555.00	54.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc

22-17s-34w Scott,KS

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

Wilkinson #2-22

Job Ticket: 49793

DST#: 1

Test Start: 2013.03.18 @ 07:38:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.18 in³
Resistivity: ohm.m
Salinity: 11000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 28 deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
373.00	MWGCO 8%m 15%w 30%g 47%oil	2.408
315.00	MWGCO 3%m 4%w 15%g 78%oil	4.419
441.00	MGCO 8%m 19%g 73%oil	6.186
189.00	MGCO 12%m 38%g 50%oil	2.651
108.00	GMCO 8%g 23%m 69%oil	1.515
0.00	378' of GIP	0.000

Total Length: 1426.00 ft Total Volume: 17.179 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API is 29 @ 70f = 28
RW is .206 @ 65f = 38000

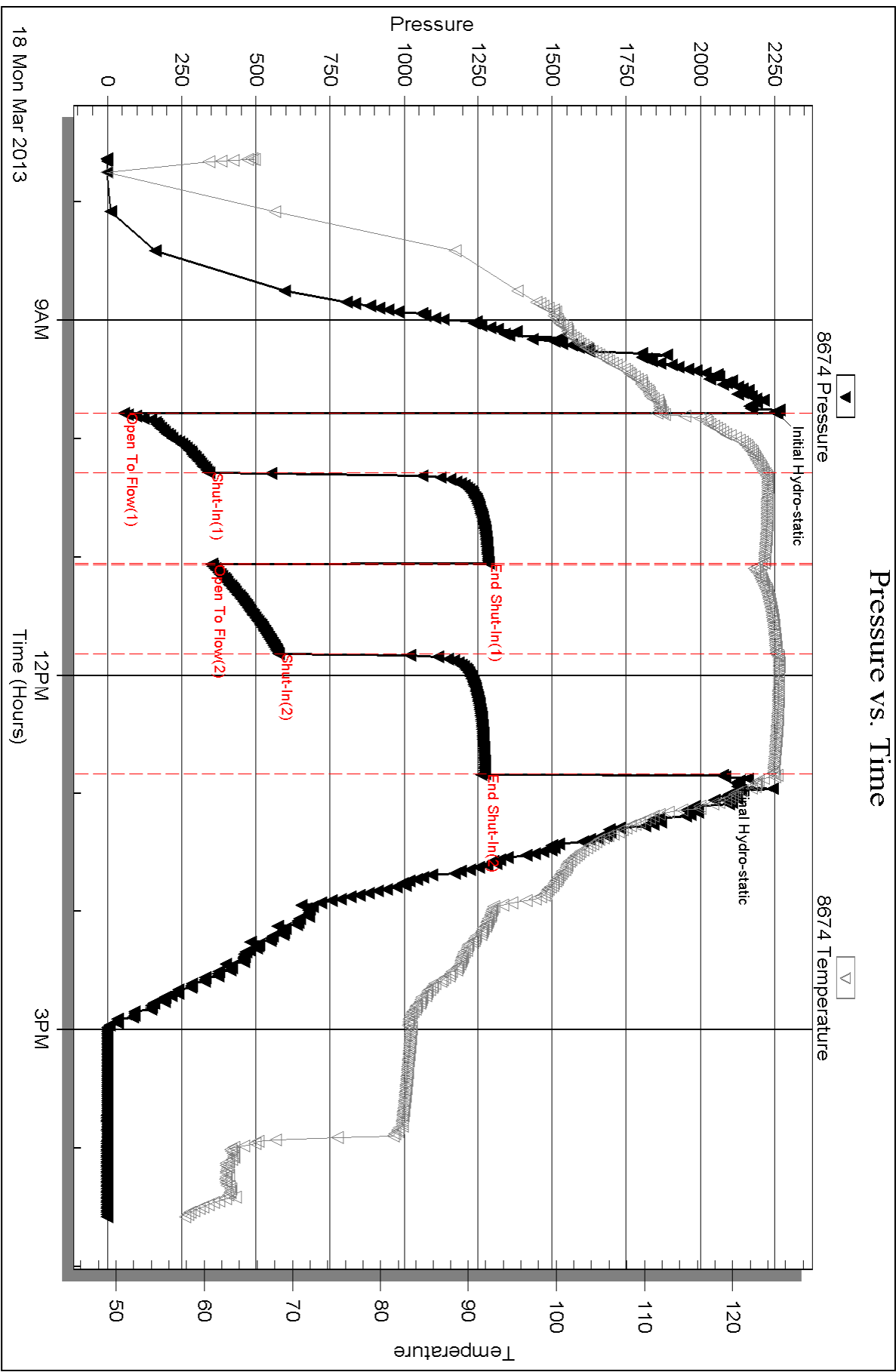
Serial #: 8674

Inside

Hartman Oil Co. Inc

Wilkinson #2-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49793

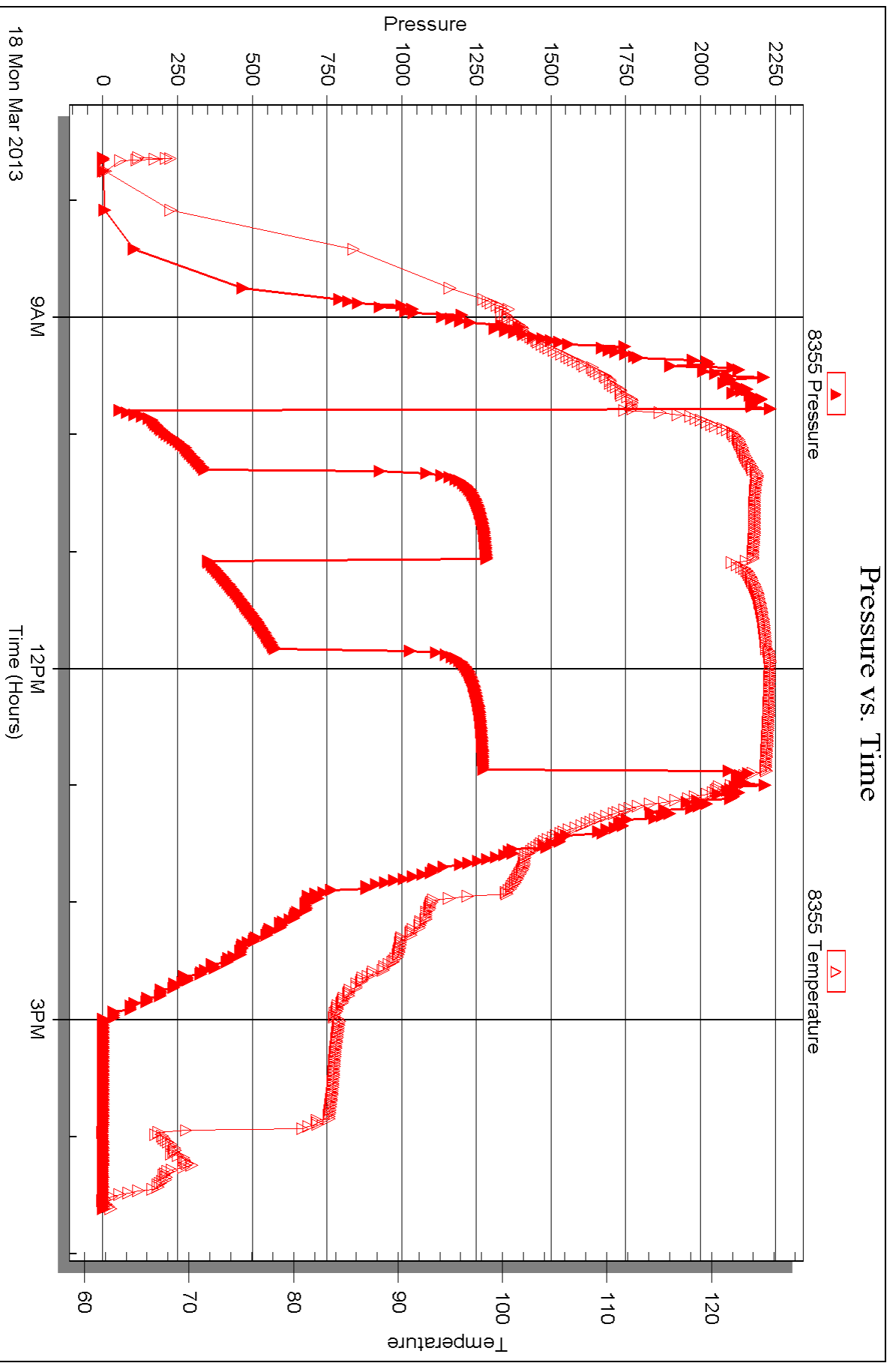
Printed: 2013.03.22 @ 10:16:20

Serial #: 8355

Outside Hartman Oil Co. Inc

Wilkinson #2-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49793

Printed: 2013.03.22 @ 10:16:21



DRILL STEM TEST REPORT

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

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206

ATTN: Kitt Noah

Wilkinson #2-22

22-17s-34w Scott,KS

Start Date: 2013.03.19 @ 05:12:00

End Date: 2013.03.19 @ 13:08:24

Job Ticket #: 49794 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.22 @ 10:13:54

Hartman Oil Co. Inc

22-17s-34w Scott,KS

Wilkinson #2-22

DST # 2

Pawnee / Myric Stati

2013.03.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co. Inc
 10500 E Berkeley Sq
 PKWY Ste 100
 Wichita KS 67206
 ATTN: Kitt Noah

22-17s-34w Scott,KS

Wilkinson #2-22

Job Ticket: 49794

DST#: 2

Test Start: 2013.03.19 @ 05:12:00

GENERAL INFORMATION:

Formation: **Pawnee / Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:55

Time Test Ended: 13:08:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4570.00 ft (KB) To 4630.00 ft (KB) (TVD)

Reference Elevations: 3119.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 53.55 psig @ 4571.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.19

End Date:

2013.03.19

Last Calib.:

2013.03.19

Start Time: 05:12:00

End Time:

13:08:24

Time On Btm:

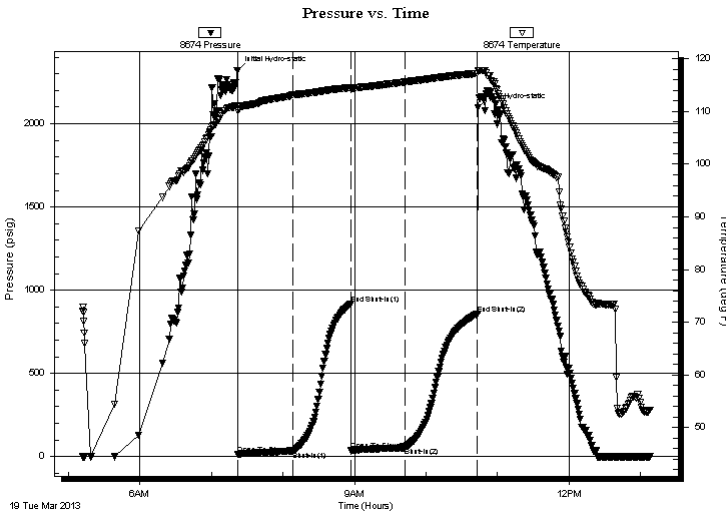
2013.03.19 @ 07:21:40

Time Off Btm:

2013.03.19 @ 10:43:39

TEST COMMENT: IF- Weak Surface Blow Built to 9"
 IS- No Blow
 FF- Weak Surface Blow Built to 7"
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.58	111.07	Initial Hydro-static
1	13.37	110.20	Open To Flow (1)
47	34.11	113.21	Shut-In(1)
95	917.41	114.54	End Shut-In(1)
96	35.69	114.31	Open To Flow (2)
141	53.55	115.60	Shut-In(2)
202	858.74	117.22	End Shut-In(2)
202	2098.35	117.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 21%g 27%oil 52%m	0.30
31.00	GMCO 4%g 9%m 87%oil	0.15
0.00	472' of GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hartman Oil Co. Inc
10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

22-17s-34w Scott,KS

Wilkinson #2-22

Job Ticket: 49794

DST#: 2

Test Start: 2013.03.19 @ 05:12:00

GENERAL INFORMATION:

Formation: **Pawnee / Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:55

Time Test Ended: 13:08:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4570.00 ft (KB) To 4630.00 ft (KB) (TVD)

Total Depth: 4630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3119.00 ft (KB)

3110.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8355 Outside

Press @ Run Depth: psig @ 4571.00 ft (KB)

Start Date: 2013.03.19

End Date:

2013.03.19

Capacity: 8000.00 psig

Last Calib.:

2013.03.19

Start Time:

05:12:05

End Time:

13:10:14

Time On Btm:

Time Off Btm:

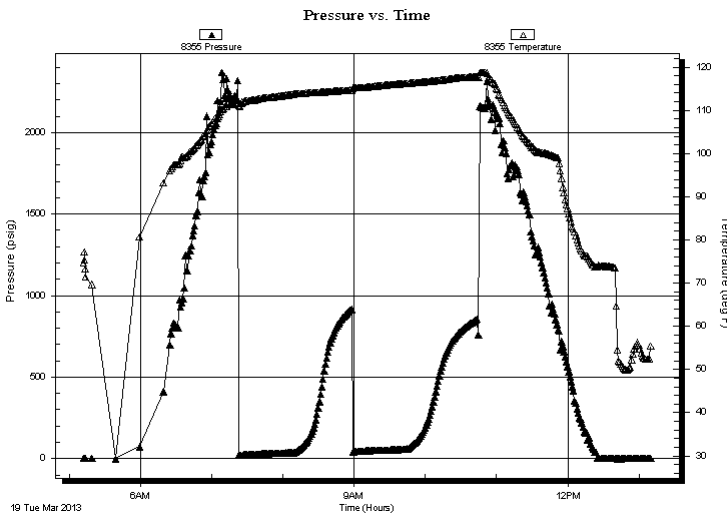
TEST COMMENT: IF- Weak Surface Blow Built to 9"

IS- No Blow

FF- Weak Surface Blow Built to 7"

FS- No Blow

PRESSURE SUMMARY



Time (Min.)

Pressure (psig)

Temp (deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 21%g 27%oil 52%m	0.30
31.00	GMCO 4%g 9%m 87%oil	0.15
0.00	472' of GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co. Inc

22-17s-34w Scott,KS

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

Wilkinson #2-22

Job Ticket: 49794

DST#: 2

Test Start: 2013.03.19 @ 05:12:00

Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	6000.00 lb
			<u>Total Volume: 61.42 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4570.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	80.00 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			4551.00	
Shut In Tool	5.00			4556.00	
Hydraulic tool	5.00			4561.00	
Packer	5.00			4566.00	20.00 Bottom Of Top Packer
Packer	4.00			4570.00	
Stubb	1.00			4571.00	
Recorder	0.00	8355	Outside	4571.00	
Recorder	0.00	8674	Inside	4571.00	
Perforations	23.00			4594.00	
Change Over Sub	1.00			4595.00	
Drill Pipe	31.00			4626.00	
Change Over Sub	1.00			4627.00	
Bullnose	3.00			4630.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc

22-17s-34w Scott,KS

10500 E Berkeley Sq
PKWY Ste 100
Wichita KS 67206
ATTN: Kitt Noah

Wilkinson #2-22

Job Ticket: 49794

DST#: 2

Test Start: 2013.03.19 @ 05:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GOCM 21%g 27%oil 52%m	0.305
31.00	GMCO 4%g 9%m 87%oil	0.152
0.00	472' of GIP	0.000

Total Length: 93.00 ft Total Volume: 0.457 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 29 @ 70f = 28

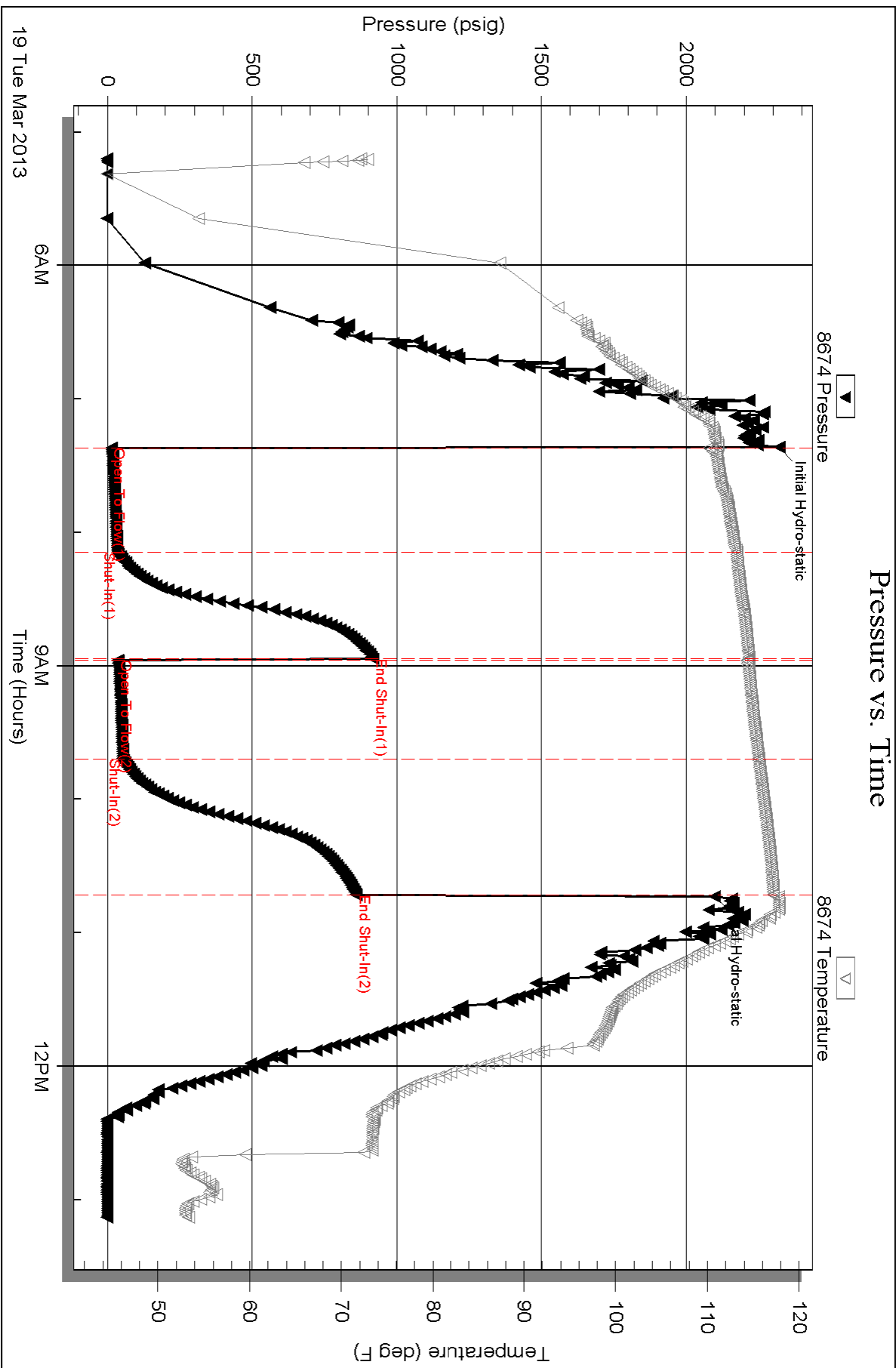
Serial #: 8674

Inside

Hartman Oil Co. Inc

Wilkinson #2-22

DST Test Number: 2

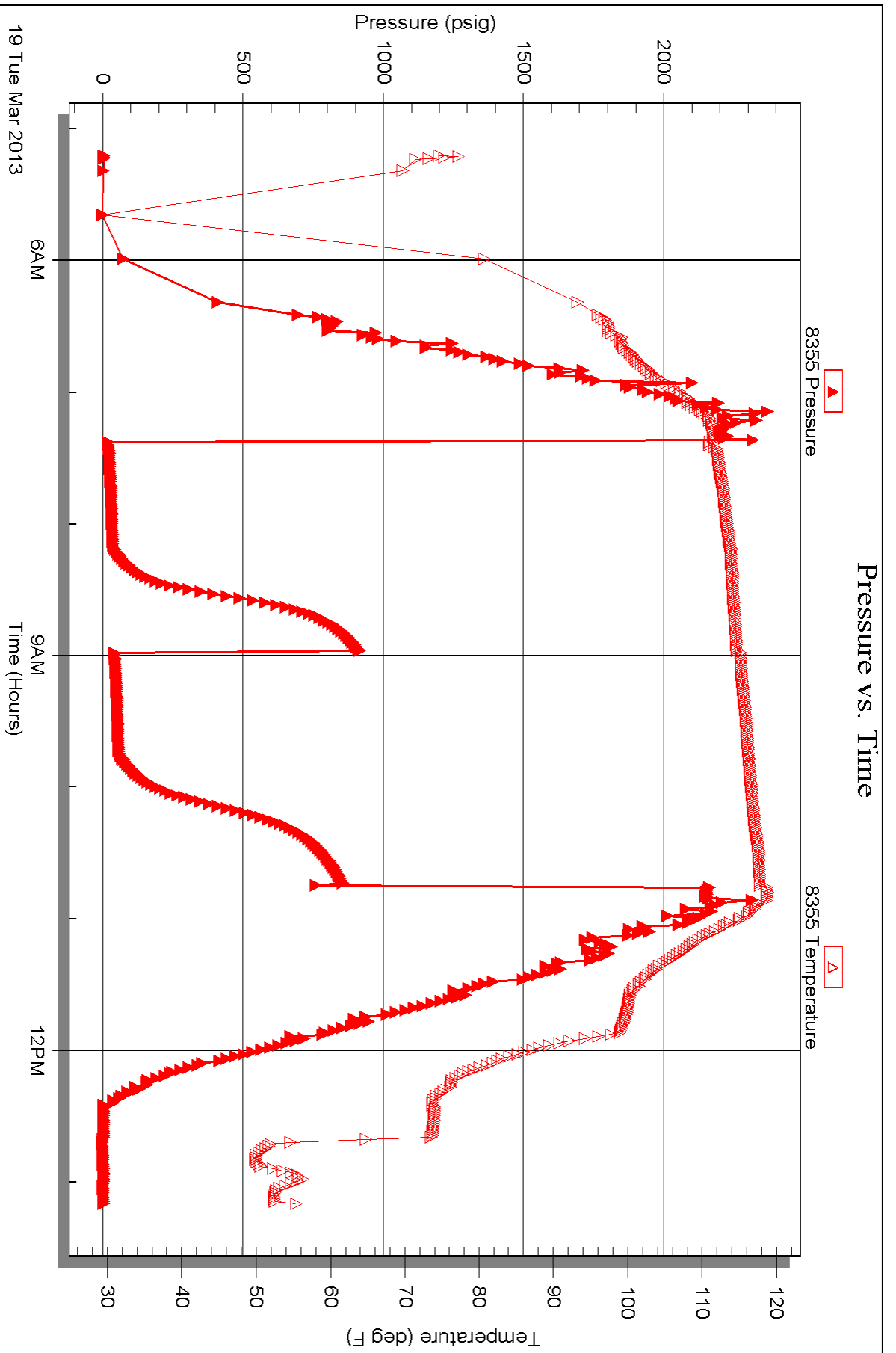


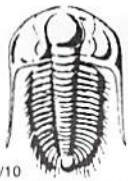
Serial #: 8355

Outside Hartman Oil Co. Inc

Wilkinson #2-22

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 49793

Well Name & No. Wilkinson # 2-22 Test No. DST #1 Date 3-18-13
 Company Hartman Oil Co. Inc Elevation 3119 KB _____ GL _____
 Address 10500 E. Berkeley Sq PKWY STE 100 Wichita KS 67206
 Co. Rep / Geo. Kitt Noah Rig H-2 Rig #3
 Location: Sec. 22 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4501 - 4555 Zone Tested Marmanton "B-C"
 Anchor Length 54 Drill Pipe Run 4175 Mud Wt. 9.1
 Top Packer Depth 4497 Drill Collars Run 310 Vis 52
 Bottom Packer Depth 4501 Wt. Pipe Run 0 WL 7.2
 Total Depth 4555 Chlorides 11,000 ppm System LCM 116

Blow Description IF - Surface Blow Built to BOB in 4 1/4 min
ISI - Weak Surface Blow in 3 min Built to 4 1/8"
FF - Surface Blow Built to BOB in 5 1/2 min
FSI - Weak Surface Blow in 1 min Built to 1" Dried Back to 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>108</u>	<u>G-MCO</u>	<u>8</u>	<u>69</u>	<u>23</u>	<u>0</u>
<u>189</u>	<u>MCO</u>	<u>38</u>	<u>50</u>	<u>12</u>	<u>0</u>
<u>441</u>	<u>MCO</u>	<u>19</u>	<u>73</u>	<u>8</u>	<u>0</u>
<u>315</u>	<u>MWCO</u>	<u>15</u>	<u>78</u>	<u>4</u>	<u>3</u>
<u>373</u>	<u>MWCO</u>	<u>30</u>	<u>47</u>	<u>15</u>	<u>8</u>

Rec Total 1426 BHT 119 Gravity 28 API RW 206 @ 65 °F Chlorides 38000 ppm

(A) Initial Hydrostatic 2258
 (B) First Initial Flow 54
 (C) First Final Flow 343
 (D) Initial Shut-In 1285
 (E) Second Initial Flow 351
 (F) Second Final Flow 577
 (G) Final Shut-In 1274
 (H) Final Hydrostatic 2074

Test 1250
 Jars 250
 Safety Joint 75
 Circ Sub NIC
 Hourly Standby
 Mileage 32 RIT 49.60
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1624.60

T-On Location 5:42
 T-Started 7:38
 T-Open 9:47
 T-Pulled 12:50
 T-Out 16:35

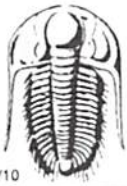
Comments API is 29 @ 70 + = 28
378' of G-IP
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1624.60
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By Kitt Noah

Our Representative Will M

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 49794

Well Name & No. Wilkinson #2-22 Test No. DST #2 Date 3-19-13
 Company Hartman Oil Co. Inc Elevation 3119 KB 3110 GL
 Address 10500 E Berkeley Sq PKWY Ste 100 Wichita KS 67206
 Co. Rep / Geo. Kitt Noah Rig H-2 Rig #3
 Location: Sec. 22 Twp. 17s Rge. 34W Co. Scott State KS

Interval Tested 4570 - 4630 Zone Tested Pawnee / Myric Station
 Anchor Length 60 Drill Pipe Run 4270 Mud Wt. 9.4
 Top Packer Depth 4566 Drill Collars Run 310 Vis 50
 Bottom Packer Depth 4570 Wt. Pipe Run 0 WL 6.4
 Total Depth 4630 Chlorides 7800 ppm System LCM 116

Blow Description TF- Weak Surface Blow Built to 9"
ISI- No Blow
FF- Weak Surface Blow Built to 7"
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>31</u>	<u>GMCO</u>	<u>4</u>	<u>87</u>	<u>9</u>	
<u>62</u>	<u>GOCM</u>	<u>21</u>	<u>27</u>	<u>52</u>	
	<u>472' of G-IP</u>				

Rec Total 93 BHT 111 Gravity 28 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2320 Test 1250
 (B) First Initial Flow 13 Jars
 (C) First Final Flow 34 Safety Joint
 (D) Initial Shut-In 917 Circ Sub NIC
 (E) Second Initial Flow 35 Hourly Standby
 (F) Second Final Flow 53 Mileage 32 RIT 49.60
 (G) Final Shut-In 858 Sampler
 (H) Final Hydrostatic 2098 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1299.60

T-On Location 4:10
 T-Started 5:12
 T-Open 7:21
 T-Pulled 10:43
 T-Out 13:08

Comments API is 29 @ 70 f = 28

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1299.60
 MP/DST Disc't

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By Kitt Noah Our Representative Will M...

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: 135253
Invoice Date: Mar 12, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Hart	60067	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 12, 2013	4/11/13

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Wilkinson #2-22 Class A Common 85031	17.90	3,580.00
4.00	MAT	Gel	23.40	93.60
7.00	MAT	Chloride	64.00	448.00
216.27	SER	Cubic Feet	2.48	536.35
493.50	SER	Ton Mileage	2.60	1,283.10
1.00	SER	Surface	1,512.25	1,512.25
50.00	SER	Pump Truck Mileage	7.70	385.00
1.00	SER	Manifold Head Rental	275.00	275.00
50.00	SER	Light Vehicle Mileage	4.40	220.00
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Paul Beaver		
1.00	OPER ASSIST	David Scariano		
NEW WELL DRILLED				

Subtotal	8,440.94
Sales Tax	351.03
Total Invoice Amount	8,791.97
Payment/Credit Applied	
TOTAL	8,791.97

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

\$ 1,772.59

ONLY IF PAID ON OR BEFORE
Apr 6, 2013

Dr. M. M. M. M.
3-25-13

ALLIED OIL & GAS SERVICES, LLC 060067

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:
Oakley, TX
3-13-13

DATE <u>3-12-13</u>	SEC. <u>22</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>7:30pm</u>	JOB START <u>10:00am</u>	JOB FINISH <u>10:30am</u>
WILKINSON LEASE	WELL # <u>2-22</u>	LOCATION <u>Scott City 4N, 7.7W</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>1 of 1 units</u>			

CONTRACTOR H2 #3

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 338'

CASING SIZE 8 1/8" DEPTH 337.16'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 20.52 661

OWNER Same

CEMENT AMOUNT ORDERED 200 sks can 38cc

2% gel

COMMON	<u>200 sks</u>	@ <u>17.90</u>	<u>3580.00</u>
POZMIX		@ <u>23.40</u>	
GEL	<u>4 sks</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>75 lb</u>	@ <u>6.00</u>	<u>448.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>216.27 ft</u>	@ <u>2.48</u>	<u>536.35</u>
MILEAGE	<u>7.87 miles</u>	@ <u>50</u>	<u>393.50</u>
			TOTAL 5741.05

EQUIPMENT

PUMP TRUCK CEMENTER Robene Wanta

422 HELPER Paul Beaver

BULK TRUCK DRIVER David Scario

396/306

BULK TRUCK DRIVER

REMARKS:
mix 200 sks cement
Displace with water
Cement did circulate

CHARGE TO: Hartman Oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>337.16'</u>		
PUMP TRUCK CHARGE			<u>1512.23</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>7.87</u>	@ <u>50</u>	<u>393.50</u>
MANIFOLD	<u>head</u>	@	<u>275.00</u>
<u>MICU</u>	<u>58</u>	@ <u>4.40</u>	<u>220.00</u>
		@	
			TOTAL 2392.25

PLUG & FLOAT EQUIPMENT

<u>wooden plug</u>	@	<u>102.64</u>
	@	
	@	
	@	
	@	
		TOTAL 102.64

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 8,440.94

DISCOUNT 1,772.59 IF PAID IN 30 DAYS

6,668.34 Net.

PRINTED NAME Tony Gless

SIGNATURE _____



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135343
Invoice Date: Mar 21, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Hart	58978	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 21, 2013	4/20/13

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Wilkinson #2-22 Class A Common <i>85031</i>	17.90	3,580.00
3.00	MAT	Gel	23.40	70.20
650.00	MAT	Lightweight	15.95	10,367.50
750.00	MAT	Gilsonite	0.98	735.00
162.00	MAT	Flo Seal	2.97	481.14
15.00	MAT	Salt	26.35	395.25
948.42	SER	Cubic Feet	2.48	2,352.08
2,004.50	SER	Ton Mileage	2.60	5,211.70
1.00	SER	Production -- Bottom Stage	2,765.75	2,765.75
1.00	SER	Production -- Top Stage	2,406.25	2,406.25
50.00	SER	Pump Truck Mileage	7.70	385.00
1.00	SER	Manifold Head Rental	275.00	275.00
50.00	SER	Light Vehicle Mileage	4.40	220.00
1.00	EQP	5.5 AFU Float Shoe	408.33	408.33
1.00	EQP	5.5 Latch Down Plug Assembly	324.09	324.09
1.00	EQP	5.5 D V Tool	5,335.26	5,335.26
2.00	EQP	5.5 Basket	394.29	788.58
10.00	EQP	5.5 Centralizer	57.33	573.30
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Dane Retzloff		

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

\$ 7,334.88

ONLY IF PAID ON OR BEFORE
Apr 15, 2013

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

A. V. [Signature]
4-2-13

**NEW WELL
DRILLED**



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135343
Invoice Date: Mar 21, 2013
Page: 2

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Hart	58978	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 21, 2013	4/20/13

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Darrin Hoeb		
1.00	OPER ASSIST	Brandon Wilkinson		

Subtotal	36,674.43
Sales Tax	1,913.87
Total Invoice Amount	38,588.30
Payment/Credit Applied	
TOTAL	38,588.30

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

\$ 7,334.88

ONLY IF PAID ON OR BEFORE
Apr 15, 2013

Dr. Mitchell
4-2-13

**NEW WELL
DRILLED**

ALLIED OIL & GAS SERVICES, LLC 058978

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

DATE <u>3-21-13</u>	SEC <u>22</u>	TWP <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	<u>Oakley</u> JOB START <u>11:30</u>	JOB FINISH <u>12:00</u>
WILKINSON LEASE	WELL # <u>2-22</u>	LOCATION <u>scott city 4N 8W 1N</u>			COUNTY <u>scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		WIND <u>WIND</u>					

CONTRACTOR <u>H2 #3</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4920'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4965'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>OV</u>	DEPTH <u>249</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>14.15'</u>
CEMENT LEFT IN CSG. <u>14.15'</u>	
PERFS. <u>bottom water mud TOP</u>	
DISPLACEMENT <u>117.83 58.44 59.38 59.38</u>	

EQUIPMENT		CEMENT	
PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Forstlund</u>	AMOUNT ORDERED <u>150 sks Lite 5th Gilsonite</u>	
BULK TRUCK # <u>540</u>	HELPER <u>Dane Getzloff</u>	<u>1/4 Flo-seal 150 sks com 10% salt 2.25g @L</u>	
BULK TRUCK # <u>323</u>	DRIVER <u>Brandon Wilkinson</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>23.140</u> <u>70.20</u>
		CHLORIDE	@
		ASC	@
		Lite <u>650 sks</u>	@ <u>15.95</u> <u>10367.50</u>
			@
		Gilsonite <u>750[#]</u>	@ <u>.98</u> <u>735.00</u>
			@
		Flo-seal <u>162[#]</u>	@ <u>2.97</u> <u>481.14</u>
			@
		salt <u>15 sks</u>	@ <u>26.35</u> <u>395.25</u>
			@
		HANDLING <u>948.42 cwt</u>	@ <u>2.48</u> <u>2352.08</u>
		MILBAGE <u>2.60 24/mile 40.09 ton</u>	@ <u>5211.70</u>
			TOTAL <u>23192.87</u>

REMARKS:

mix 150 sks Lite followed by 150 sks com wash pump and line clean. start displacement 800[#] LIFT 1200' land plug float held. open at rock 800[#] plug set hole 900 sks. mix 470 sks down sks followed by 50 sks com. wash pump and line clean. Release plug and displace. 1000[#] LIFT land plug 1800[#]. tool closed. Cement circulated.

thank you

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

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE <u>2265.75</u>	<u>2406.25</u>
EXTRA FOOTAGE	@
MILBAGE <u>50 miles</u>	@ <u>7.70</u> <u>385.00</u>
MANIFOLD head	@ <u>275.00</u>
Light vehicle	@ <u>4.40</u> <u>220.00</u>
	@

TOTAL 6052.00

PLUG & FLOAT EQUIPMENT

<u>5/2</u>	
1 AF4 Float shoe	@ <u>408.33</u>
1 Latch down plug Assy	@ <u>324.09</u>
1 DV tool	@ <u>5335.26</u>
2 Baskets	@ <u>394.29</u> <u>788.58</u>
10 Centralizers	@ <u>57.33</u> <u>573.30</u>

TOTAL 7429.56

SALES TAX (If Any) _____
TOTAL CHARGES 36,674.43
DISCOUNT 7,334.88 IF PAID IN 30 DAYS

29,339.54 Net.

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 Gory ATell
SIGNATURE Mary O'Neil

A.T. Mulheir