

1227372

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: 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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 3-1
Doc ID	1227372

All Electric Logs Run

Microlog
Spectral Density Neutron
Compensated Resistivity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 3-1
Doc ID	1227372

Tops

Name	Top	Datum
Toronto	3948	-827
Lansing	3980	-859
Stark	4246	-1122
B/KC	4334	-1213
Marmaton	4381	-1260
Ft Scott	4520	-1399
Cherokee	4547	-1426
Mississippian	4708	-1587
RTD	4794	-1673
LTD	4800	-1679

Summary of Changes

Lease Name and Number: Rose 3-1

API/Permit #: 15-203-20275-00-00

Doc ID: 1227372

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/08/2014	10/13/2014
Plug Back Total Depth	2430	4749
Save Link	../..kcc/detail/operatorEditDetail.cfm?docID=1217689	../..kcc/detail/operatorEditDetail.cfm?docID=1227372



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217689
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL 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
-----------------------------------	-----------------	---

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: _____

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)</i> <i>(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	Hartman Oil Co., Inc.
Well Name	Rose 3-1
Doc ID	1217689

All Electric Logs Run

Microlog
Spectral Density Neutron
Compensated Resistivity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 3-1
Doc ID	1217689

Tops

Name	Top	Datum
Toronto	3948	-827
Lansing	3980	-859
Stark	4246	-1122
B/KC	4334	-1213
Marmaton	4381	-1260
Ft Scott	4520	-1399
Cherokee	4547	-1426
Mississippian	4708	-1587
RTD	4794	-1673
LTD	4800	-1679

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 3-1
Doc ID	1217689

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	4206-4209'	NA	4209-4209'
3	4015-4018'	NA	4015-4018'
3	4081-4084'	NA	4081-4084'



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company, Inc.**

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206

ATTN: Kitt Noah

Rose #3-1

1-16s-35w Wichita,KS

Start Date: 2014.07.28 @ 04:00:00

End Date: 2014.07.28 @ 12:18:30

Job Ticket #: 57039 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.02 @ 13:53:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57039

DST#: 1

Test Start: 2014.07.28 @ 04:00:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:25:45

Time Test Ended: 12:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 3924.00 ft (KB) To 3948.00 ft (KB) (TVD)

Reference Elevations: 3121.00 ft (KB)

Total Depth: 3948.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press@RunDepth: 668.35 psig @ 3945.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.28

End Date:

2014.07.28

Last Calib.:

2014.07.28

Start Time: 04:00:15

End Time:

12:18:30

Time On Btm:

2014.07.28 @ 06:25:00

Time Off Btm:

2014.07.28 @ 09:13:30

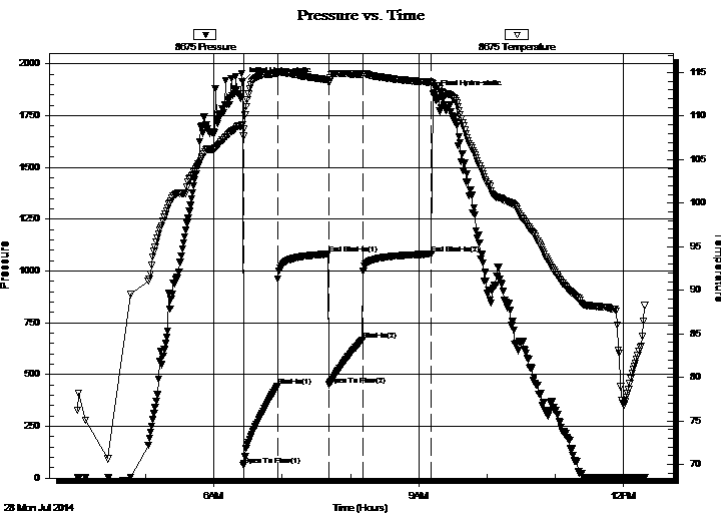
TEST COMMENT:

B.O.B. in 3 1/2 min.

Bled off for 5 min. No return blow

B.O.B. in 6 min.

Bled off for 5 min. No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.91	108.99	Initial Hydro-static
1	61.01	107.67	Open To Flow (1)
31	444.92	114.85	Shut-In(1)
76	1082.10	114.15	End Shut-In(1)
76	451.32	113.84	Open To Flow (2)
106	668.35	114.76	Shut-In(2)
166	1081.85	113.88	End Shut-In(2)
169	1850.35	113.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	100% Water	10.34
248.00	mcw 10%M 90%W	3.48
310.00	mcw with oil scum 40%M 60%W	4.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57039

DST#: 1

Test Start: 2014.07.28 @ 04:00:00

Tool Information

Drill Pipe:	Length: 3664.96 ft	Diameter: 3.80 inches	Volume: 51.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 250.28 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.74 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3924.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	51.50 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			3897.50	
Shut In Tool	5.00			3902.50	
Hydraulic tool	5.00			3907.50	
Jars	5.00			3912.50	
Safety Joint	2.50			3915.00	
Packer	5.00			3920.00	27.50 Bottom Of Top Packer
Packer	4.00			3924.00	
Stubb	1.00			3925.00	
Perforations	20.00			3945.00	
Change Over Sub	0.00			3945.00	
Recorder	0.00	8675	Inside	3945.00	
Recorder	0.00	8650	Outside	3945.00	
Drill Pipe	0.00			3945.00	
Change Over Sub	0.00			3945.00	
Perforations	0.00			3945.00	
Bullnose	3.00			3948.00	24.00 Bottom Packers & Anchor
Total Tool Length:	51.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57039

DST#: 1

Test Start: 2014.07.28 @ 04:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 3400.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
900.00	100% Water	10.345
248.00	mcw 10%M 90%W	3.479
310.00	mcw with oil scum 40%M 60%W	4.348

Total Length: 1458.00 ft Total Volume: 18.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

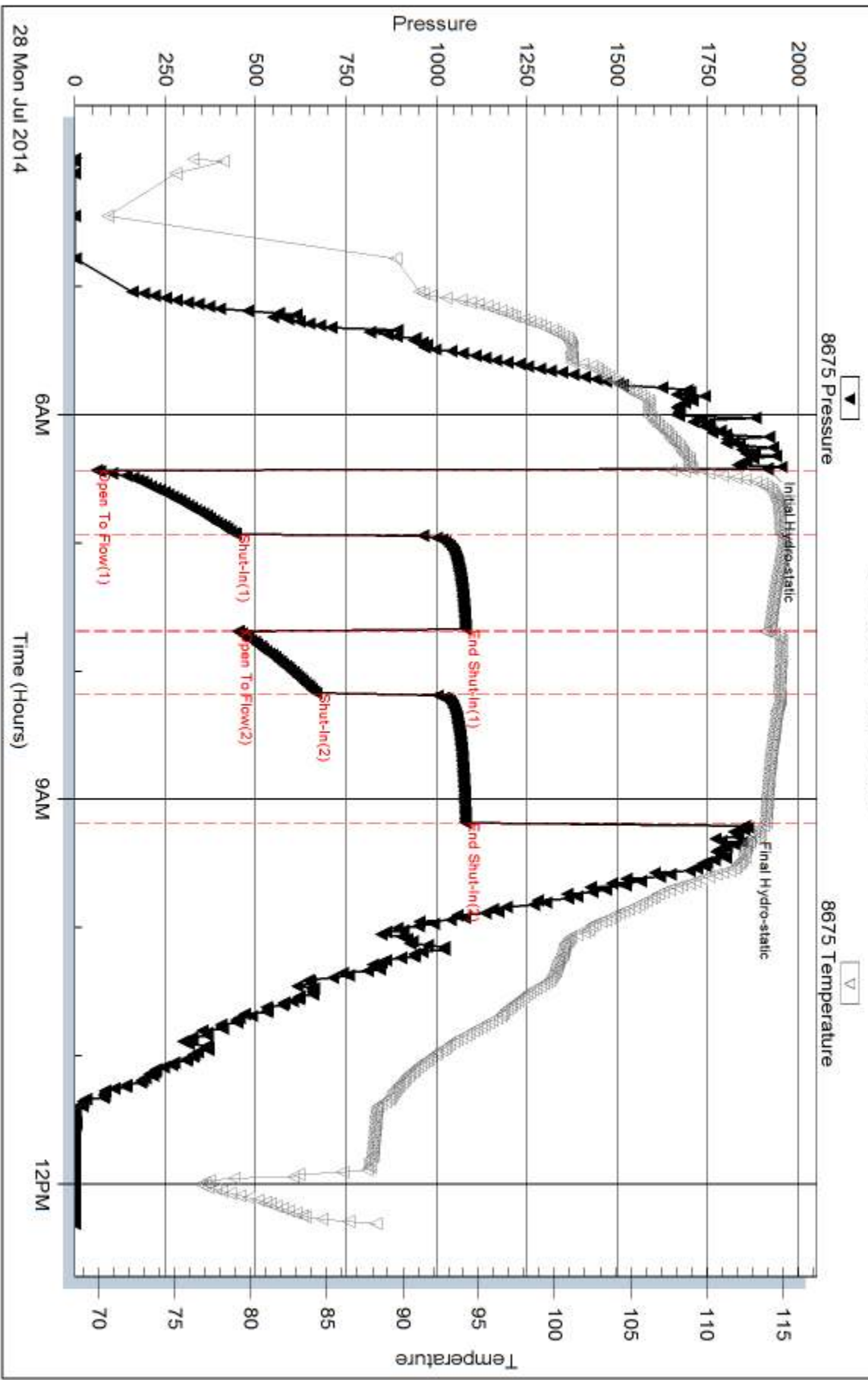
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .13 @ 90 F = 40,000

Pressure vs. Time

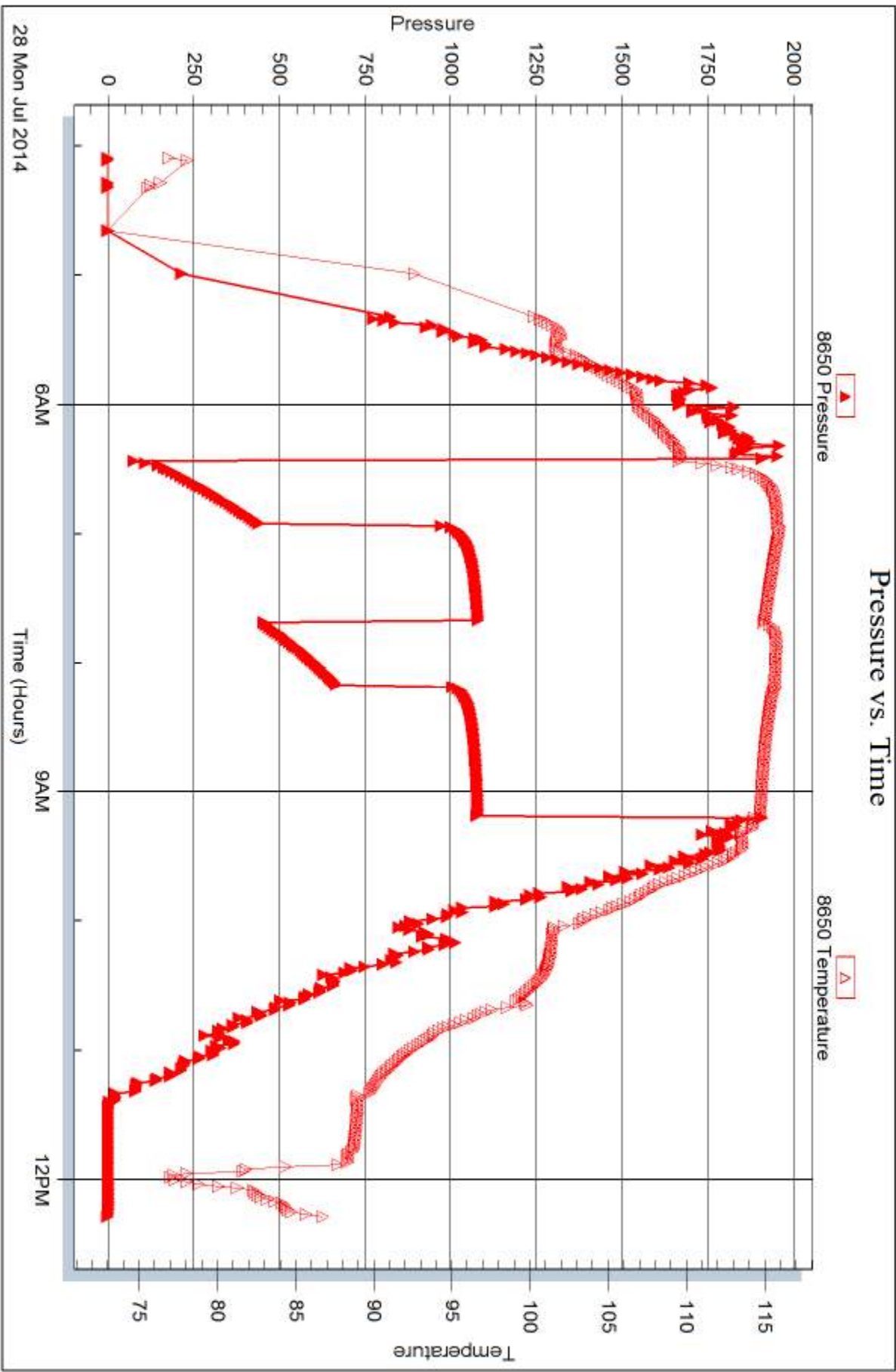


Serial #: 8650

Outside Hartman Oil Company, Inc.

Rose #3-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57039

Printed: 2014.08.02 @ 13:53:41



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company, Inc.**

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206

ATTN: Kitt Noah

Rose #3-1

1-16s-35w Wichita,KS

Start Date: 2014.07.28 @ 21:35:00

End Date: 2014.07.29 @ 05:41:30

Job Ticket #: 57040 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.02 @ 13:53:08

Hartman Oil Company, Inc.
1-16s-35w Wichita,KS
Rose #3-1
DST # 2
Lansing "A"
2014.07.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57040

DST#: 2

Test Start: 2014.07.28 @ 21:35:00

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:28:30

Time Test Ended: 05:41:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 3964.00 ft (KB) To 3996.00 ft (KB) (TVD)

Reference Elevations: 3121.00 ft (KB)

Total Depth: 3996.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8675 Inside

Press@RunDepth: 163.25 psig @ 3993.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.28

End Date:

2014.07.29

Last Calib.:

2014.07.29

Start Time: 21:35:15

End Time:

05:41:30

Time On Btm:

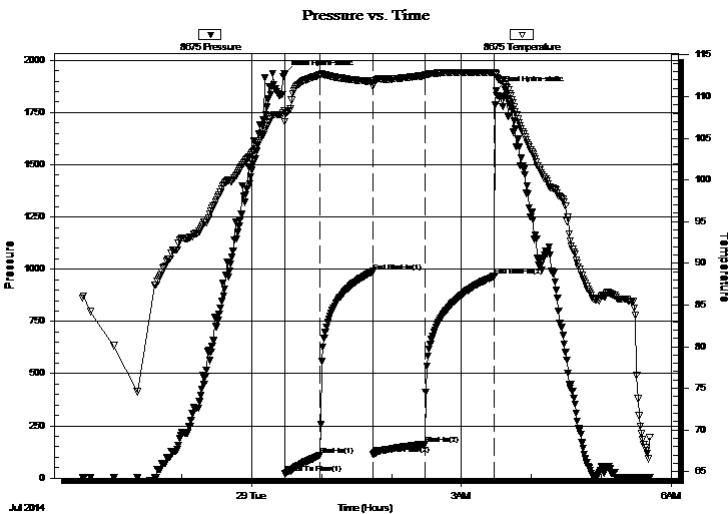
2014.07.29 @ 00:28:15

Time Off Btm:

2014.07.29 @ 03:29:30

TEST COMMENT: Built to 7 1/2" blow
Bled off for 3 min. No return blow
Built to 5 1/2" blow
Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.77	108.34	Initial Hydro-static
1	20.67	107.01	Open To Flow (1)
31	109.13	112.59	Shut-In(1)
76	989.20	111.85	End Shut-In(1)
76	113.24	111.23	Open To Flow (2)
121	163.25	112.53	Shut-In(2)
180	966.68	112.87	End Shut-In(2)
182	1852.45	112.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	mcw 30%M 70%W	1.23
80.00	mcw 10%M 90%W	1.12

* 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 Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57040

DST#: 2

Test Start: 2014.07.28 @ 21:35:00

Tool Information

Drill Pipe:	Length: 3696.90 ft	Diameter: 3.80 inches	Volume: 51.86 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 250.28 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose:	88000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	67000.00 lb
Drill Pipe Above KB:	10.68 ft			Final	68000.00 lb
Depth to Top Packer:	3964.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.50 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			3937.50	
Shut In Tool	5.00			3942.50	
Hydraulic tool	5.00			3947.50	
Jars	5.00			3952.50	
Safety Joint	2.50			3955.00	
Packer	5.00			3960.00	27.50 Bottom Of Top Packer
Packer	4.00			3964.00	
Stubb	1.00			3965.00	
Perforations	28.00			3993.00	
Change Over Sub	0.00			3993.00	
Recorder	0.00	8675	Inside	3993.00	
Recorder	0.00	8650	Outside	3993.00	
Drill Pipe	0.00			3993.00	
Change Over Sub	0.00			3993.00	
Perforations	0.00			3993.00	
Bullnose	3.00			3996.00	32.00 Bottom Packers & Anchor
Total Tool Length:	59.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Company, Inc.

1-16s-35w Wichita,KS

10500 E Berkeley SQ PKWY
STE 100
Wichita KS 67206
ATTN: Kitt Noah

Rose #3-1

Job Ticket: 57040

DST#: 2

Test Start: 2014.07.28 @ 21:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	mcw 30%M 70%W	1.229
80.00	mcw 10%M 90%W	1.120

Total Length: 330.00 ft Total Volume: 2.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

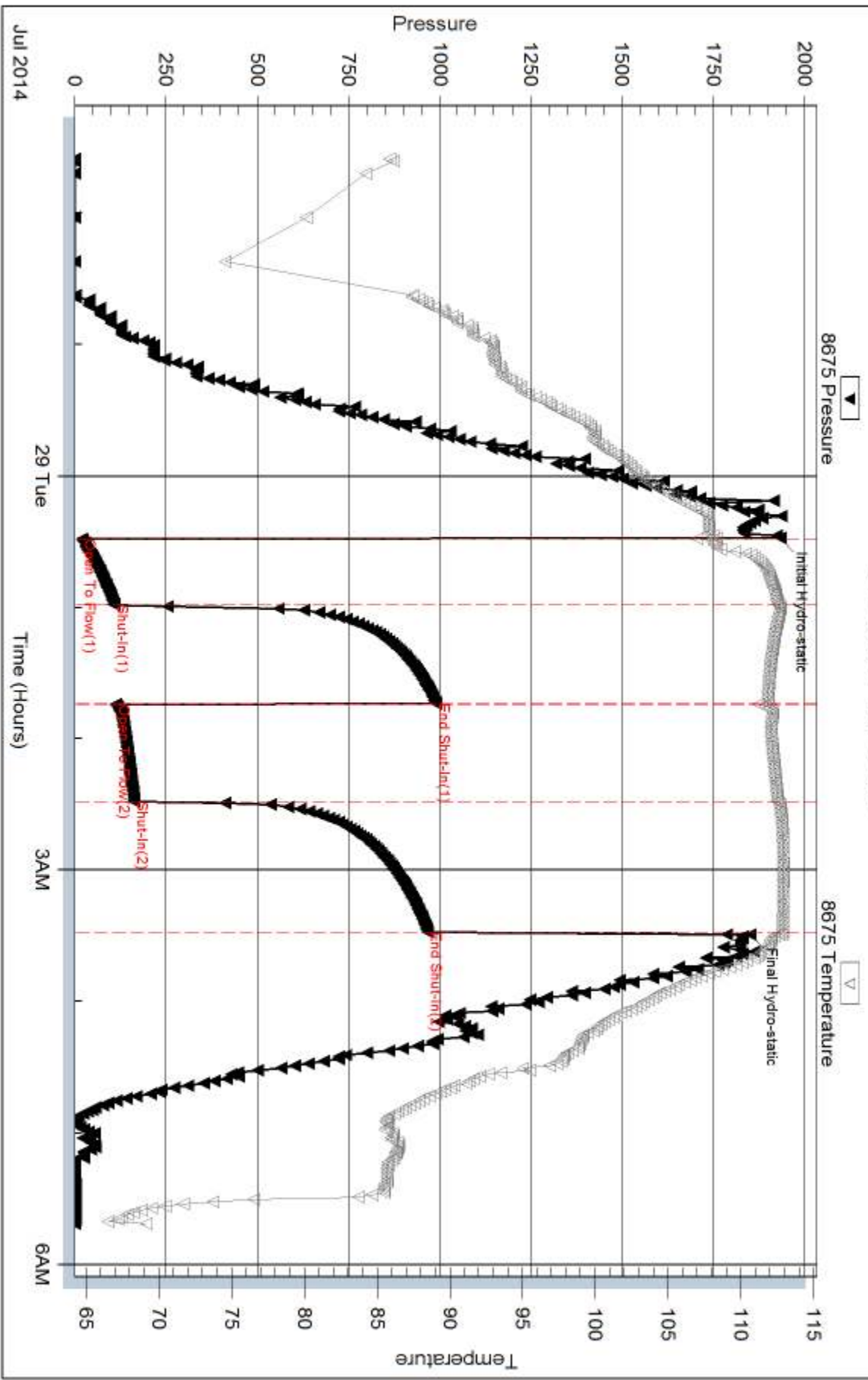
Serial #:

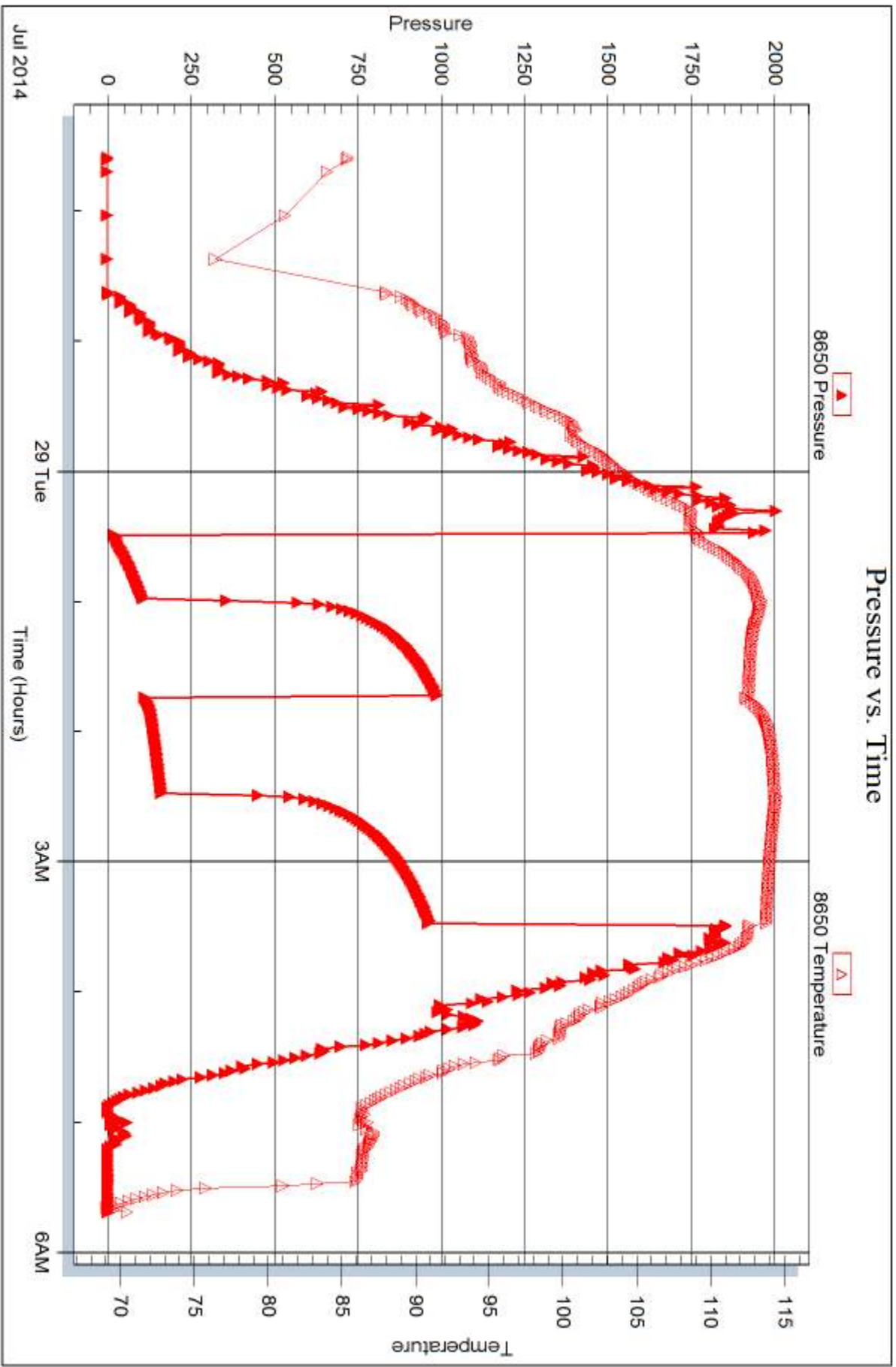
Laboratory Name:

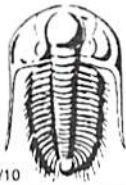
Laboratory Location:

Recovery Comments: RW: .20 @ 60 F = 40,000

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57039

4/10

Well Name & No. Rose #3-1 Test No. 1 Date 7/28/14
 Company Hartman Oil Company, Inc Elevation 3121 KB 3110 GL
 Address 10500 E Berkeley SA PKWY, STE 100, Wichita KS, 67206
 Co. Rep / Geo. Kit Noah Rig HR Drilling Rig 2
 Location: Sec. 1 Twp. 11es Rge. 36w Co. Wichita County State KS

Interval Tested 3924-3948 Zone Tested Toronto
 Anchor Length 24 Drill Pipe Run 31664.96 Mud Wt. 8.7
 Top Packer Depth 3920 Drill Collars Run 250.28 Vis 5/6
 Bottom Packer Depth 3924 Wt. Pipe Run _____ WL 7.2
 Total Depth 3948 Chlorides 3,400 ppm System LCM 2#

Blow Description B.O.B. in 3 1/2 min.
Bled off for 5 min. No return blow
B.O.B. in 6 min

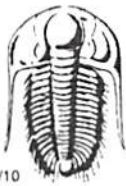
Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>Feet of mud with oil sum</u>		<u>60</u>	<u>40</u>	
<u>248</u>	<u>Feet of mud</u>		<u>90</u>	<u>10</u>	
<u>900</u>	<u>Feet of water</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1,458 BHT 114 Gravity _____ API RW 13 @ 90 ° F Chlorides 40,000 ppm
 (A) Initial Hydrostatic 1,916 Test 1150 T-On Location 02:00
 (B) First Initial Flow 61 Jars 250 T-Started 04:00
 (C) First Final Flow 445 Safety Joint 75 T-Open 06:24
 (D) Initial Shut-In 1,082 Circ Sub n/c T-Pulled 09:09
 (E) Second Initial Flow 451 Hourly Standby 2 hours .75h T-Out 12:18
 (F) Second Final Flow 1668 Mileage 58 RT 89.90 Comments Told on bank @ 02:30
 (G) Final Shut-In 1,082 Sampler _____ was on bank until 04:30
 (H) Final Hydrostatic 1,850 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 17898.90
 Final Flow 30 Accessibility 150 MP/DST Disc't
 Final Shut-In 60 Sub Total 1789.90

Approved By _____ Our Representative [Signature]

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. 57040

4/10

Well Name & No. Rose #3-1 Test No. 2 Date 7/28/14 7/29/14
 Company Hartman Oil Company, Inc Elevation 3121 KB 3110 GL
 Address 10500 E Berkeley SQ HWY, STE 100, Wichita KS, 67206
 Co. Rep / Geo. Kitt Noah Rig H2 Drilling Rig 2
 Location: Sec. 1 Twp. 16S Rge. 35W Co. Wichita County State KS

Interval Tested 3964 - 3996 Zone Tested Lansing "A"
 Anchor Length 32 Drill Pipe Run 3696.90 Mud Wt. 9.2
 Top Packer Depth 3960 Drill Collars Run 250.28 Vis 55
 Bottom Packer Depth 3960 Wt. Pipe Run _____ WL 8.0
 Total Depth 3996 Chlorides 5,000 ppm System LCM 1#

Blow Description Built to 7 1/2" below
Bled off for 3 min. No return below
Built to 5 1/2" below
Bled off for 5 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>mcw</u>		<u>70</u>	<u>30</u>	
<u>250</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	

Rec Total 330 BHT 113 Gravity _____ API RW 20 @ 60 ° F Chlorides 40,000 ppm

(A) Initial Hydrostatic <u>1.934</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>21:10</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:35</u>
(C) First Final Flow <u>109</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:28</u>
(D) Initial Shut-In <u>989</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>03:28</u>
(E) Second Initial Flow <u>113</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>05:41</u>
(F) Second Final Flow <u>163</u>	<input checked="" type="checkbox"/> Mileage <u>58 AT + 2</u> 179.80	Comments <u>Loaded tools 7/30</u>
(G) Final Shut-In <u>967</u>	<input type="checkbox"/> Sampler _____	<u>@ 20:46</u>
(H) Final Hydrostatic <u>1.852</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>800</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1 day + 15 hours</u>	Total <u>2604.80</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't <input checked="" type="checkbox"/>
	Sub Total <u>1804.80</u>	

Approved By _____ Our Representative [Signature]
 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.



P.O. Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 144868
Invoice Date: Aug 4, 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	63369	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 4, 2014	9/3/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rose #3-1 <i>86220</i>		
200.00	CEMENT MATERIALS	Class A Common	17.90	3,580.00
376.00	CEMENT MATERIALS	Gel	1.05	394.80
650.00	CEMENT MATERIALS	Light Weight 60/40 8% gel	19.89	12,928.50
1,040.00	CEMENT MATERIALS	Salt	0.68	707.20
750.00	CEMENT MATERIALS	Gilsonite	0.98	735.00
163.00	CEMENT MATERIALS	Flo Seal	2.97	484.11
971.25	CEMENT SERVICE	Cubic Feet Charge	2.48	2,408.70
2,037.50	CEMENT SERVICE	Ton Mileage Charge	2.75	5,603.13
1.00	CEMENT SERVICE	2 Stage Production	2,765.75	2,765.75
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
2.00	CEMENT SERVICE	Waiting on Location	440.00	880.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Assembly	660.00	660.00
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	790.00
10.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	570.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

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

\$ 8,155.46

ONLY IF PAID ON OR BEFORE
Sep 3, 2014

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



PO Box 93999
Southlake, TX 76092

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Customer ID	Field Ticket #	Payment Terms	
Hart	63369	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 4, 2014	9/3/14

Quantity	Item	Description	Unit Price	Amount
1.00	OPERATOR ASSISTANT	George Grant		
		NEW WELL COMPLETION		
		<i>J. Mitchell</i> 8-19-14		

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

\$ 8,155.46

ONLY IF PAID ON OR BEFORE
Sep 3, 2014

Subtotal	39,267.19
Sales Tax	2,178.46
Total Invoice Amount	41,445.65
Payment/Credit Applied	
TOTAL	41,445.65

ALLIED OIL & GAS SERVICES, LLC 063369

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakota, Ky

DATE <u>8/14/14</u>	SEC. <u>1</u>	TWP. <u>16</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00p</u>	JOB FINISH <u>3:00p</u>
LEASE <u>Ros</u>	WELL # <u>3-1</u>	LOCATION <u>Lease 3W 3N W = Sinto</u>			COUNTY <u>Wichita</u>	STATE <u>Ky</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>H&J</u>	OWNER <u>Stone</u>
TYPE OF JOB <u>Prod 2 stage</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4800</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4796'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>AW</u>	DEPTH <u>2430'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>45.15</u>
CEMENT LEFT IN CSG.	<u>45.15</u>
PERFS. <u>Better</u>	<u>70p</u>
DISPLACEMENT <u>55 bbl - 58 mud</u>	<u>H2O</u>

CEMENT	AMOUNT ORDERED	PRICE	TOTAL
150 Com 1070 Salt 270 gal	150 Alu 5" Gilbar 1/4 Flase 8		
500 Alu 1/4 Fl. 50 Com 1070 Salt 270 gal			
COMMON	<u>200</u>	@ <u>17.90</u>	<u>3580.00</u>
POZMIX		@	
GEL	<u>326</u>	@ <u>1.25</u>	<u>394.00</u>
CHLORIDE		@	
750 Alu 60/10 270 gal 650%		@ <u>19.82</u>	<u>12918.00</u>
Salt	<u>1040 lb</u>	@ <u>.68</u>	<u>707.20</u>
Gilsonite	<u>250 lb</u>	@ <u>.98</u>	<u>235.00</u>
Flaseal	<u>163 lb</u>	@ <u>2.92</u>	<u>484.00</u>
Man. Sec. (1070 Salt)		@ <u>0.00</u>	<u>0.00</u>
(4795.69) 262		@ <u>2.48</u>	<u>2408.00</u>
HANDLING	<u>971.25</u>	@ <u>2.48</u>	<u>2408.00</u>
MILEAGE	<u>40.75</u>	@ <u>70.00</u>	<u>5603.00</u>

PUMP TRUCK # <u>423-281</u>	CEMENTER <u>Alan R. VED</u>
BULK TRUCK # <u>866</u>	HELPER <u>Neval R. VED</u>
BULK TRUCK # <u>866</u>	DRIVER <u>George E. VED</u>
BULK TRUCK # <u>866</u>	DRIVER <u>Steve (TWS)</u>

REMARKS:

Handwritten notes:
 Run by Granley, 150 Alu 5" Gilbar 1/4 Flase Tail of 150
 Com 270 gal 1070 Salt. Wash Tank. Displace Plant in 155 bbl H2O
 58 Alu 1/4 Flase in 1800 PSE GET in wash tank @ 2000
 up 700' Cor 3 hrs. Max 20% H2O. 30% H2O
 Max 450 Alu 1/4 Flase Tail of 50 Com 1070 Salt
 270 gal Wash Tank. Displace Plant in 661
 150 Alu 1/4 Flase. Wash Tank. Displace Plant in 2000
 700' H2O
 Contact Dial Circulate. Thank you Alan, Neval, George, Steve

SERVICE

DEPTH OF JOB	<u>4796'</u>
PUMP TRUCK CHARGE	<u>2765.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>50 miles</u> @ <u>3.10</u> <u>385.00</u>
MANIFOLD	@ <u>2.25</u> <u>225.00</u>
270 Alu 60/10 50 miles	@ <u>4.00</u> <u>280.00</u>
Wait on location 2 Hrs	@ <u>440.00</u> <u>880.00</u>
3" Excess of 50 Hrs	
TOTAL	12,537.58

CHARGE TO: Alan R. VED
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

RV Tool	@	<u>5335.00</u>
RFY Floats	@	<u>545.00</u>
Watchman Assembly	@	<u>660.00</u>
Brackets	<u>2</u> @ <u>395.00</u>	<u>790.00</u>
Control 1201	<u>10</u> @ <u>57.00</u>	<u>570.00</u>
TOTAL		7,900.00

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	<u>39,267.19</u>
DISCOUNT	<u>8,155.46 (26%)</u> IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE A.T. Madsen

31,111.72 Net

144868