



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183249
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: _____

1183249

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7039

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-3-14	10	17	19	Rush	KS		11:30 AM
				Location <u>Libenthal 45 to Ave H 4 1/4 W S1/4</u>			

Lease <u>Irvin Trust</u>	Well No. #1	Owner
Contractor <u>Royal #1</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Surface</u>		
Hole Size <u>12 1/4</u>	T.D. <u>1059'</u>	Charge To <u>Quest Energy</u>
Csg. <u>8 5/8</u>	Depth <u>1059'</u>	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>41.86</u>	Shoe Joint <u>41.86</u>	Cement Amount Ordered <u>450 com 3% cc 2% G</u>
Meas Line	Displace <u>64 3/4 bbl</u>	

EQUIPMENT

Pumptrk <u>5</u> No.	Cementer	Common
	Helper <u>Lanne W</u>	Poz. Mix
Bulktrk <u>12</u> No.	Driver <u>Doug</u>	Gel.
Bulktrk <u>04</u> No.	Driver <u>Drett</u>	Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

Handling

Mileage

8 5/4 FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge

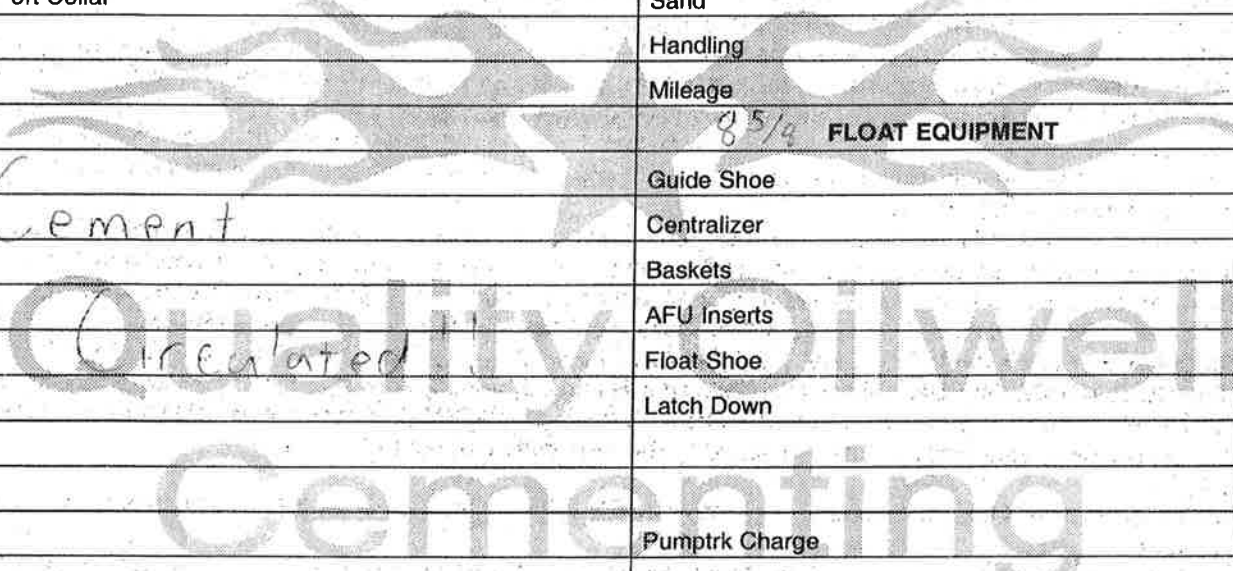
Mileage

Tax

Discount

Total Charge

X Signature Wong Buehig



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7048

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-9-14	10	17	19	Rush	Ks		8:15 PM

Location Lebanon 45 4 W 5 10

Lease <u>J. via Trust</u>	Well No. <u>1-10</u>	Owner
Contractor <u>Royalty #1</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Production</u>		Charge To <u>Quality Energy</u>
Hole Size <u>7 7/8</u>	T.D. <u>3938</u>	Street
Csg. <u>5 1/2</u>	Depth <u>3925</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>15 24</u>	Shoe Joint <u>15 24</u>	Cement Amount Ordered <u>150 from 10% 5 1/2 5 1/2</u>
Meas Line	Displace <u>93 1/4 bbl</u>	

EQUIPMENT

Pumptrk	No.	Cementer	
5		Helper	<u>Leone W</u>
Bulktrk	No.	Driver	<u>Clayton</u>
14		Driver	
Bulktrk	No.	Driver	
PU		Driver	<u>13</u>

Common

Poz. Mix

Gel.

Calcium

JOB SERVICES & REMARKS

Remarks:
Rat Hole - 300
Mouse Hole 15
Centralizers 1, 3, 5, 7, 9, 11, 59+61
Baskets - 59
D/V or Port Collar 2160 @ 1385

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48 500 bbl

CFL-117 or CD110 CAF 38

Sand

Handling

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer 4

Baskets

AFU Inserts

Float Shoe

Latch Down 1

Pumptrk Charge

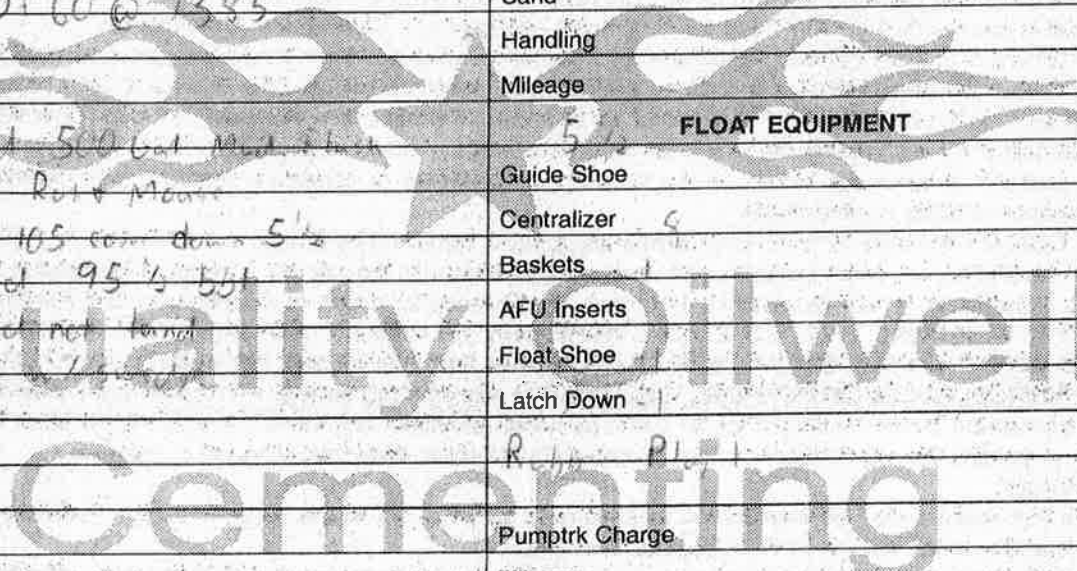
Mileage

Tax

Discount

Total Charge

X Signature Jim Doolittle





DRILL STEM TEST REPORT

Prepared For: **Quest Energy LLC**

2732 N. Reese Rd.
Brookville KS 67425-9812

ATTN: Tracy Hynes / Ken Wa

Irvin Trust #1

10-17s-19w Rush,KS

Start Date: 2014.01.07 @ 23:45:24

End Date: 2014.01.08 @ 07:12:33

Job Ticket #: 55469 DST #: 1

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

Printed: 2014.01.10 @ 09:21:23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55469

DST#: 1

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.07 @ 23:45:24

GENERAL INFORMATION:

Formation: **Conglomerate - Arbuc**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:31:19

Time Test Ended: 07:12:33

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3847.00 ft (KB) To 3880.00 ft (KB) (TVD)

Reference Elevations: 2146.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2141.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 87.19 psig @ 3852.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.07

End Date:

2014.01.08

Last Calib.: 2014.01.08

Start Time: 23:45:24

End Time:

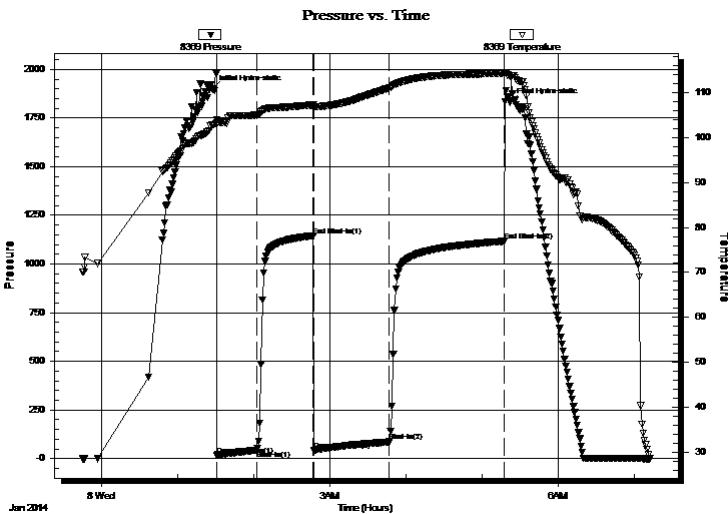
07:12:33

Time On Btm: 2014.01.08 @ 01:28:04

Time Off Btm: 2014.01.08 @ 05:21:48

TEST COMMENT: 30-IFP-w k to a gd bl 1/2" to 7" bl
45-ISIP-no bl
60-FFP-w k to a strg bl in 57 min
90-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.22	102.82	Initial Hydro-static
4	18.57	103.24	Open To Flow (1)
35	44.07	105.07	Shut-In(1)
79	1145.53	107.30	End Shut-In(1)
80	43.32	106.96	Open To Flow (2)
139	87.19	111.09	Shut-In(2)
229	1116.71	114.28	End Shut-In(2)
234	1830.88	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	190'GIP	0.00
85.00	CO	1.19
90.00	MGO 10%G40%M50%O	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55469

DST#: 1

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.07 @ 23:45:24

Tool Information

Drill Pipe:	Length: 3837.00 ft	Diameter: 3.80 inches	Volume: 53.82 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3847.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	57.00 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			3824.00	
Shut In Tool	5.00			3829.00	
Hydraulic tool	5.00			3834.00	
Safety Joint	3.00			3837.00	
Packer	5.00			3842.00	24.00 Bottom Of Top Packer
Packer	5.00			3847.00	
Stubb	1.00			3848.00	
Perforations	4.00			3852.00	
Recorder	0.00	8369	Inside	3852.00	
Recorder	0.00	8700	Outside	3852.00	
Perforations	25.00			3877.00	
Bullnose	3.00			3880.00	33.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55469

DST#: 1

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.07 @ 23:45:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	190'GIP	0.000
85.00	CO	1.192
90.00	MGO 10%G40%M50%O	1.262

Total Length: 175.00 ft

Total Volume: 2.454 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

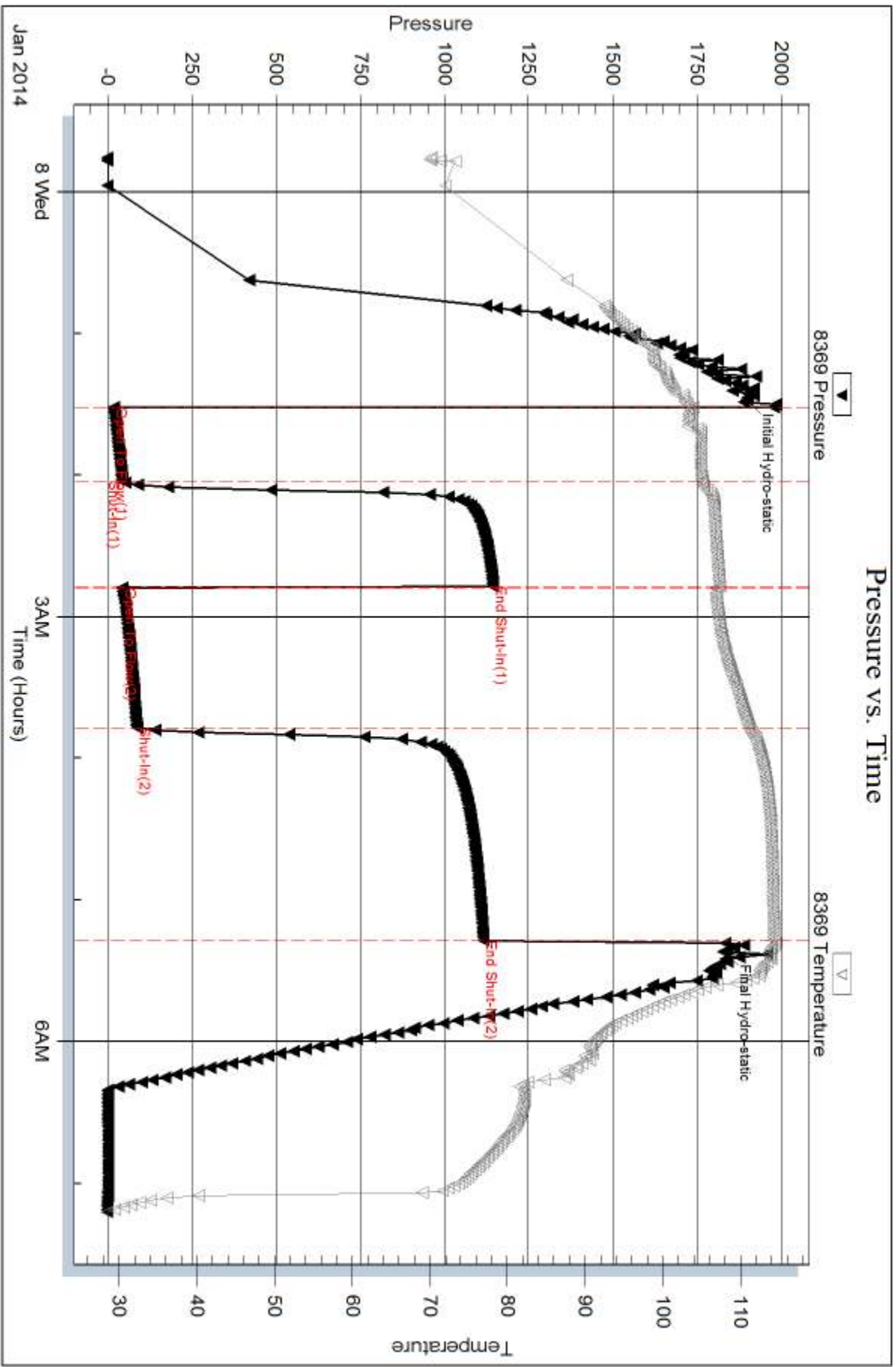
Serial #: 8369

Inside

Quest Energy LLC

Ivyn Trust #1

DST Test Number: 1

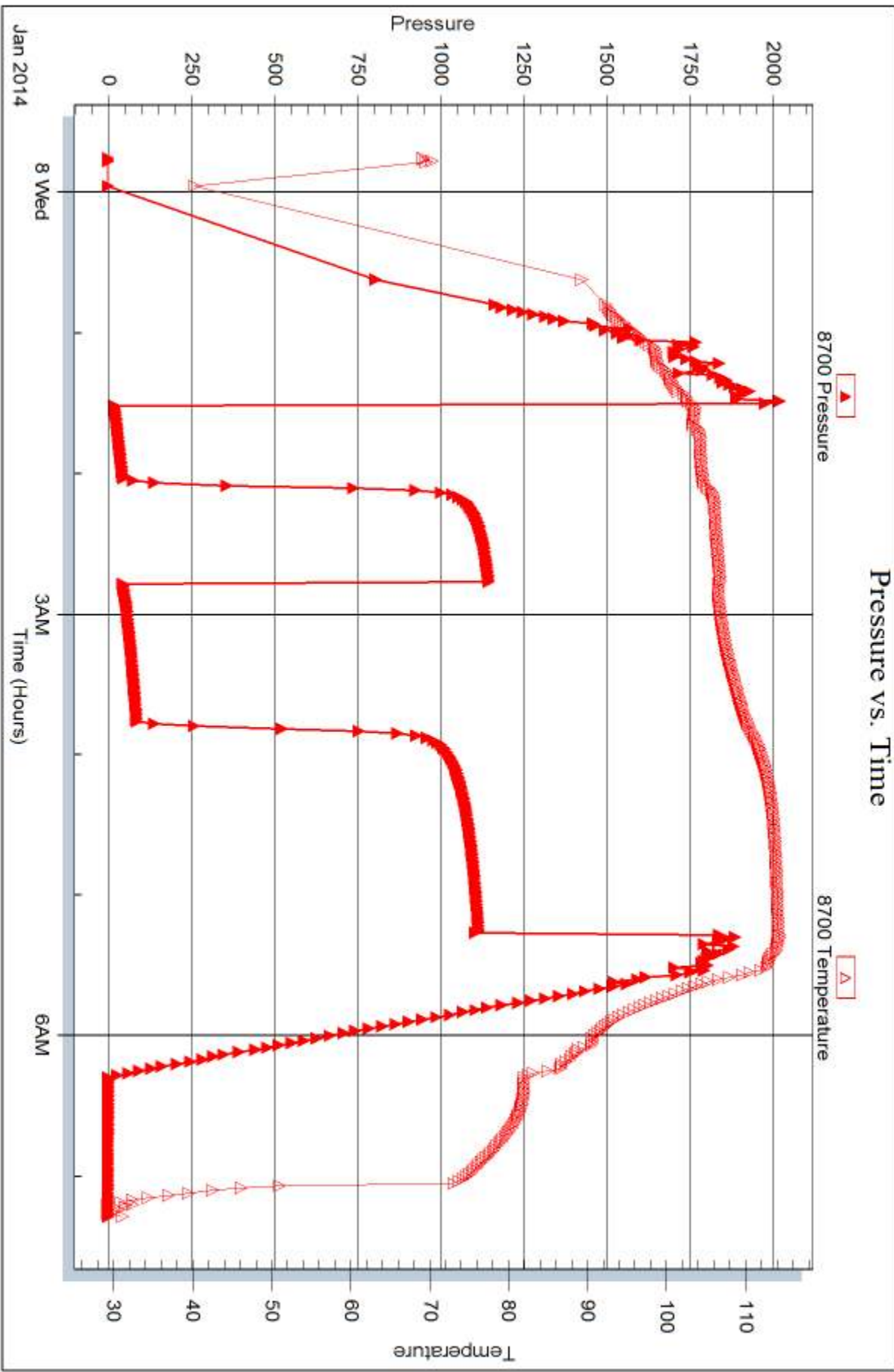


Serial #: 8700

Outside Quest Energy LLC

Ivin Trust #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 55469

Printed: 2014.01.10 @ 09:21:25



DRILL STEM TEST REPORT

Prepared For: **Quest Energy LLC**

2732 N. Reese Rd.
Brookville KS 67425-9812

ATTN: Tracy Hynes / Ken Wa

Irvin Trust #1

10-17s-19w Rush,KS

Start Date: 2014.01.09 @ 01:50:11

End Date: 2014.01.09 @ 09:23:50

Job Ticket #: 55470 DST #: 2

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

Printed: 2014.01.10 @ 09:20:42



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55470

DST#: 2

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.09 @ 01:50:11

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:36

Time Test Ended: 09:23:50

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3824.00 ft (KB) To 3874.00 ft (KB) (TVD)

Reference Elevations: 2146.00 ft (KB)

Total Depth: 3935.00 ft (KB) (TVD)

2141.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 91.87 psig @ 3832.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.09

End Date:

2014.01.09

Last Calib.:

2014.01.09

Start Time: 01:50:11

End Time:

09:23:50

Time On Btm:

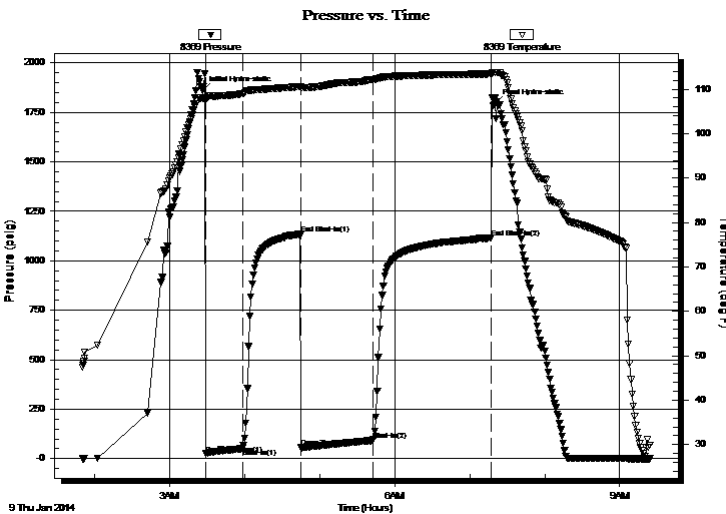
2014.01.09 @ 03:25:51

Time Off Btm:

2014.01.09 @ 07:20:35

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4" bl
45-ISIP-no bl
60-FFP-w k bl thru-out 1/2" to 3" bl
90-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.89	108.00	Initial Hydro-static
3	24.28	107.41	Open To Flow (1)
33	51.29	108.95	Shut-In(1)
79	1134.29	110.59	End Shut-In(1)
79	54.93	110.32	Open To Flow (2)
137	91.87	112.19	Shut-In(2)
232	1114.56	113.46	End Shut-In(2)
235	1796.35	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	90'GIP	0.00
10.00	CO	0.14
80.00	HO&GCM 10%G40%O50%M	1.12
60.00	HO&GCM 10%G30%O60%M	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55470

DST#: 2

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.09 @ 01:50:11

Tool Information

Drill Pipe:	Length: 3833.00 ft	Diameter: 3.80 inches	Volume: 53.77 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 53.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3824.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	3874.00 ft			
Interval between Packers:	50.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			3801.00	
Shut In Tool	5.00			3806.00	
Hydraulic tool	5.00			3811.00	
Safety Joint	3.00			3814.00	
Packer	5.00			3819.00	24.00 Bottom Of Top Packer
Packer	5.00			3824.00	
Stubb	1.00			3825.00	
Perforations	7.00			3832.00	
Recorder	0.00	8369	Inside	3832.00	
Recorder	0.00	8700	Outside	3832.00	
Blank Spacing	33.00			3865.00	
Perforations	5.00			3870.00	
Blank Off Sub	1.00			3871.00	
Blank Spacing	3.00			3874.00	50.00 Tool Interval
Packer	5.00			3879.00	
Stubb	1.00			3880.00	
Perforations	22.00			3902.00	
Recorder	0.00	8374	Below	3902.00	
Blank Spacing	33.00			3935.00	
Bullnose	3.00			3938.00	64.00 Bottom Packers & Anchor

Total Tool Length: 138.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC

10-17s-19w Rush,KS

2732 N. Reese Rd.
Brookville KS 67425-9812

Irvin Trust #1

Job Ticket: 55470

DST#: 2

ATTN: Tracy Hynes / Ken Wa

Test Start: 2014.01.09 @ 01:50:11

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.73 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: 37 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	90'GIP	0.000
10.00	CO	0.140
80.00	HO&GCM 10%G40%O50%M	1.122
60.00	HO&GCM 10%G30%O60%M	0.842

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

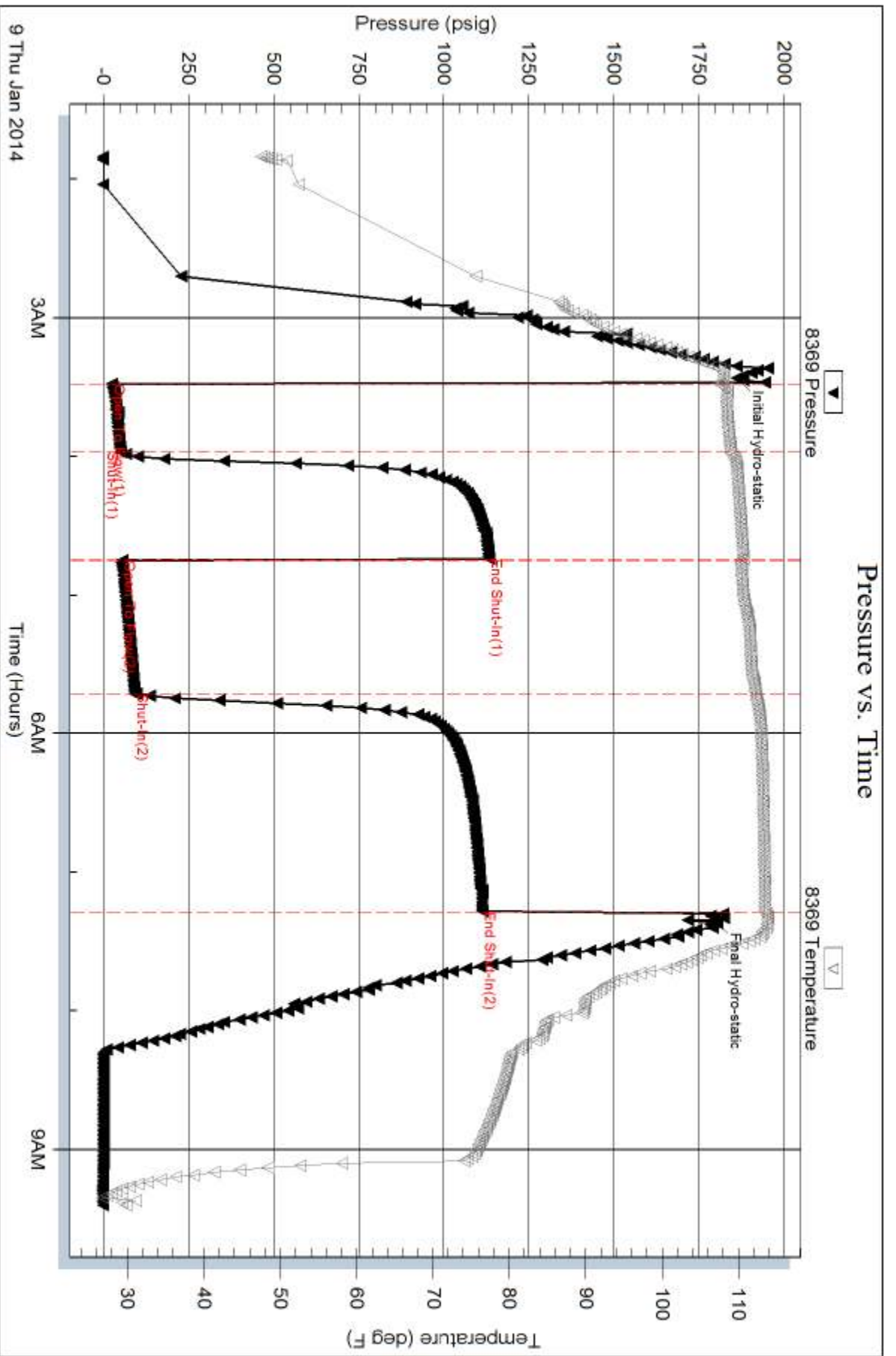
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

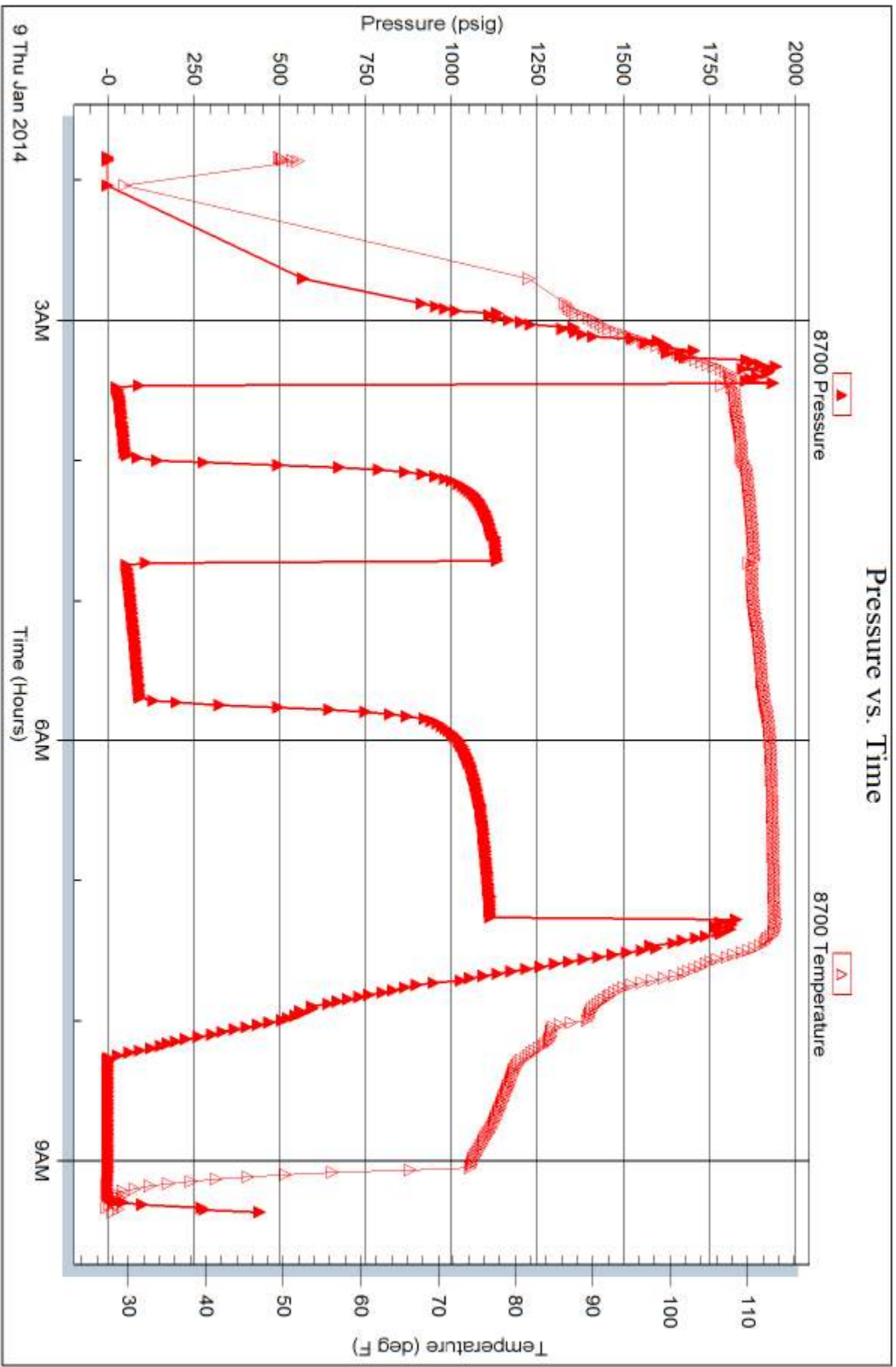


Serial #: 8700

Outside Quest Energy LLC

Ivin Trust #1

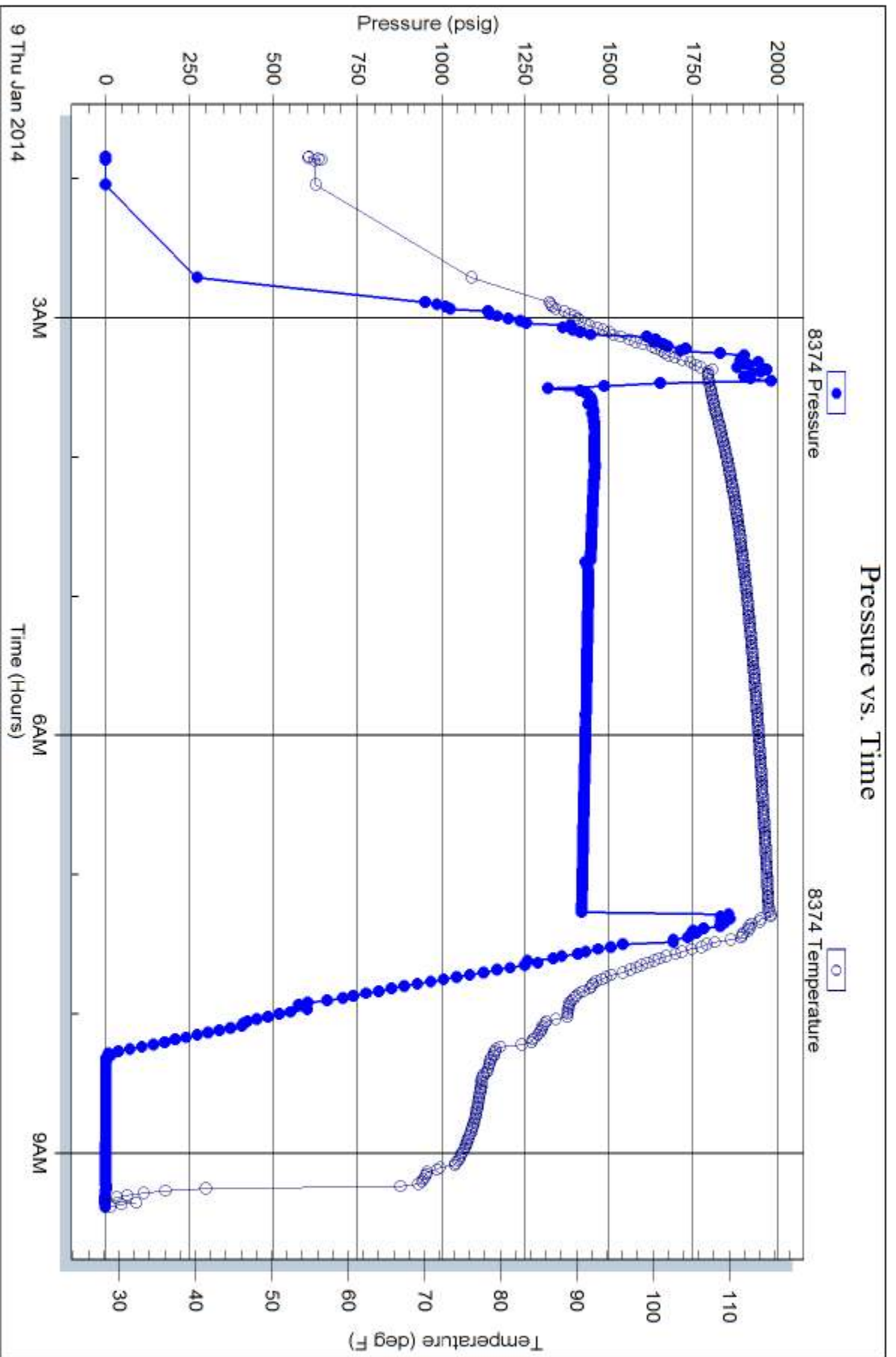
DST Test Number: 2

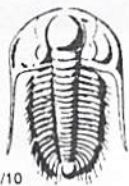


Trilobite Testing, Inc

Ref. No: 55470

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55469

Well Name & No. Irvin Trust #1 Test No. 1 Date 1-7-14
 Company Quest Energy LLC Elevation 2146 KB 2141 GL
 Address 2732 N. Reese Rd. Brookville, Mo 67425-9812
 Co. Rep / Geo. Ken Wallace Rig Royal rig
 Location: Sec. 10 Twp. 17^s Rge. 19^w Co. Rush State Mo

Interval Tested 3847-3880 Zone Tested Cond - Arbuckle
 Anchor Length 33 Drill Pipe Run 3837 Mud Wt. 9.3
 Top Packer Depth 3842 Drill Collars Run - Vis 51
 Bottom Packer Depth 3847 Wt. Pipe Run - WL 8.8
 Total Depth 3880 Chlorides 4000 ppm System LCM 2#

Blow Description I FP - WEAK TO A GOOD BLOW 1/2" TO 7" BLOW
ISIP - NO BLOW
FFP - WEAK TO A STRONG BLOW IN 57 MIN
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>6IP</u>				
<u>85</u>	<u>CO</u>				
<u>90</u>	<u>MGO</u>	<u>10</u>	<u>50</u>		<u>40</u>

Rec Total 175 BHT 114 Gravity 37 API RW - @ - ° F Chlorides - ppm
 Test 1150 T-On Location 2155
 Jars T-Started 2345
 Safety Joint 75 T-Open 0130
 Circ Sub T-Pulled 0515
 Hourly Standby T-Out 0712
 Mileage 56 RT 86.80 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

Sub Total 1311.80 MP/DST Disc't _____

Approved By Ken Wallace Our Representative Ray Schwager *Thank you*

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. 55470

Well Name & No. IRVIN Trust #1 Test No. 2 Date 1-9-14
 Company QUEST Energy LLC Elevation 2146 KB 2141 GL
 Address 2732 N. Reese Rd. Brookville, Mo 6425-9812
 Co. Rep / Geo. Ken Wallace Rig Royal rig 1
 Location: Sec. 10 Twp. 17^s Rge. 19^w Co. Rush State Mo

Interval Tested 3824-3874 Zone Tested Congl.
 Anchor Length 50 Drill Pipe Run 3833 Mud Wt. 9.1
 Top Packer Depth 3824-3819 Drill Collars Run - Vis 55
 Bottom Packer Depth 3874 Wt. Pipe Run - WL 8.8
 Total Depth 3935 Chlorides 5000 ppm System LCM 2#

Blow Description IFP - WEAK TO A FAIR BLOW 1/2" TO 4" BLOW
ISIP - NO BLOW
FFP - WEAK BLOW THRU-OUT 1/2" TO 3" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>GIP</u>				
<u>10</u>	<u>CO</u>				
<u>80</u>	<u>H0+GCM</u>	<u>10</u>	<u>40</u>		<u>50</u>
<u>60</u>	<u>H0+GCM</u>	<u>10</u>	<u>30</u>		<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 113 Gravity 37 API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1861</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0105</u>
(B) First Initial Flow <u>24</u>	<input type="checkbox"/> Jars	T-Started <u>0150</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0325</u>
(D) Initial Shut-In <u>1134</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0710</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0923</u>
(F) Second Final Flow <u>91</u>	<input checked="" type="checkbox"/> Mileage <u>56RT</u> <u>86.80</u>	Comments
(G) Final Shut-In <u>1114</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1796</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1911.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1911.80</u>	

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

Approved By Ken Wallace Our Representative Ray Schwager Thank you

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