



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1164182

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Investment Equipment LLC
Well Name	Shade 5
Doc ID	1164182

All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Computer Processed Interpretation
Microresistivity Log



DRILL STEM TEST REPORT

Prepared For: **Investment Equipment LLC**

17509 County Rd 14
Ft. Morgan CO 80701

ATTN: Marc Downing

Shade #5

5-16s-16w Rush,KS

Start Date: 2013.04.13 @ 22:55:00

End Date: 2013.04.14 @ 08:23:30

Job Ticket #: 50278 DST #: 1

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

Printed: 2013.04.22 @ 14:22:44

Investment Equipment LLC
5-16s-16w Rush,KS
Shade #5
DST # 1
KC "A-D"
2013.04.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50278

DST#: 1

ATTN: Marc Downing

Test Start: 2013.04.13 @ 22:55:00

GENERAL INFORMATION:

Formation: **KC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:40:30

Time Test Ended: 08:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3179.00 ft (KB) To 3258.00 ft (KB) (TVD)

Reference Elevations: 1917.00 ft (KB)

Total Depth: 3258.00 ft (KB) (TVD)

1909.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press @ Run Depth: 52.79 psig @ 3180.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.13

End Date:

2013.04.14

Last Calib.: 2013.04.14

Start Time: 22:55:05

End Time:

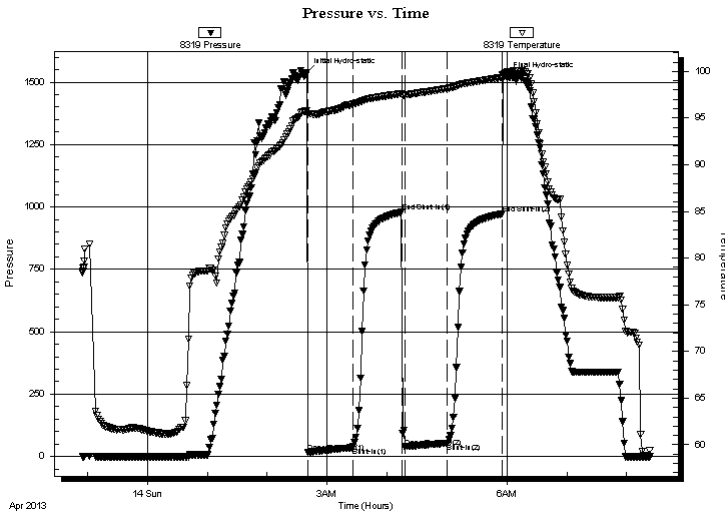
08:23:30

Time On Btm: 2013.04.14 @ 02:39:30

Time Off Btm: 2013.04.14 @ 05:59:00

TEST COMMENT: IF-4" blow
ISI-No blow
FF-2 1/4" blow
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1537.56	95.81	Initial Hydro-static
1	15.20	95.37	Open To Flow (1)
46	36.90	96.48	Shut-In(1)
95	979.42	97.61	End Shut-In(1)
99	36.83	97.44	Open To Flow (2)
141	52.79	98.16	Shut-In(2)
196	972.44	99.35	End Shut-In(2)
200	1521.65	99.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Oil spotted Sw cm 10%W 90%M	0.91

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50278

DST#: 1

ATTN: Marc Downing

Test Start: 2013.04.13 @ 22:55:00

GENERAL INFORMATION:

Formation: **KC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:40:30

Time Test Ended: 08:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3179.00 ft (KB) To 3258.00 ft (KB) (TVD)

Reference Elevations: 1917.00 ft (KB)

Total Depth: 3258.00 ft (KB) (TVD)

1909.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8166 Outside

Press @ Run Depth: psig @ 3180.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.13

End Date: 2013.04.14

Last Calib.: 2013.04.14

Start Time: 22:55:05

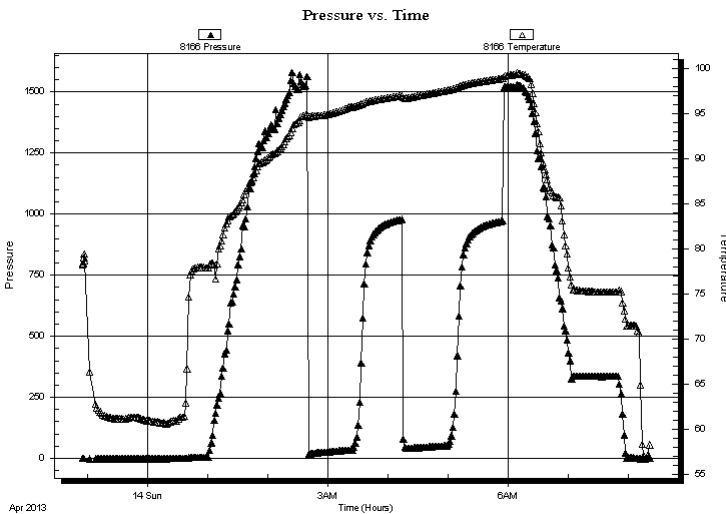
End Time: 08:22:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-4" blow
ISI-No blow
FF-2 1/4" blow
FSI-No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Oil spotted Sw cm 10%W 90%M	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50278

DST#: 1

ATTN: Marc Downing

Test Start: 2013.04.13 @ 22:55:00

Tool Information

Drill Pipe:	Length: 3188.00 ft	Diameter: 3.80 inches	Volume: 44.72 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 27.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 44.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3179.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	79.00 ft				
Tool Length:	100.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3159.00	
Shut In Tool	5.00			3164.00	
Hydraulic tool	5.00			3169.00	
Packer	5.00			3174.00	21.00 Bottom Of Top Packer
Packer	5.00			3179.00	
Stubb	1.00			3180.00	
Recorder	0.00	8319	Inside	3180.00	
Recorder	0.00	8166	Outside	3180.00	
Perforations	2.00			3182.00	
Change Over Sub	1.00			3183.00	
Drill Pipe	62.00			3245.00	
Change Over Sub	1.00			3246.00	
Perforations	9.00			3255.00	
Bullnose	3.00			3258.00	79.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50278

DST#: 1

ATTN: Marc Downing

Test Start: 2013.04.13 @ 22:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Oil spotted Sw cm 10%W 90%M	0.912

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

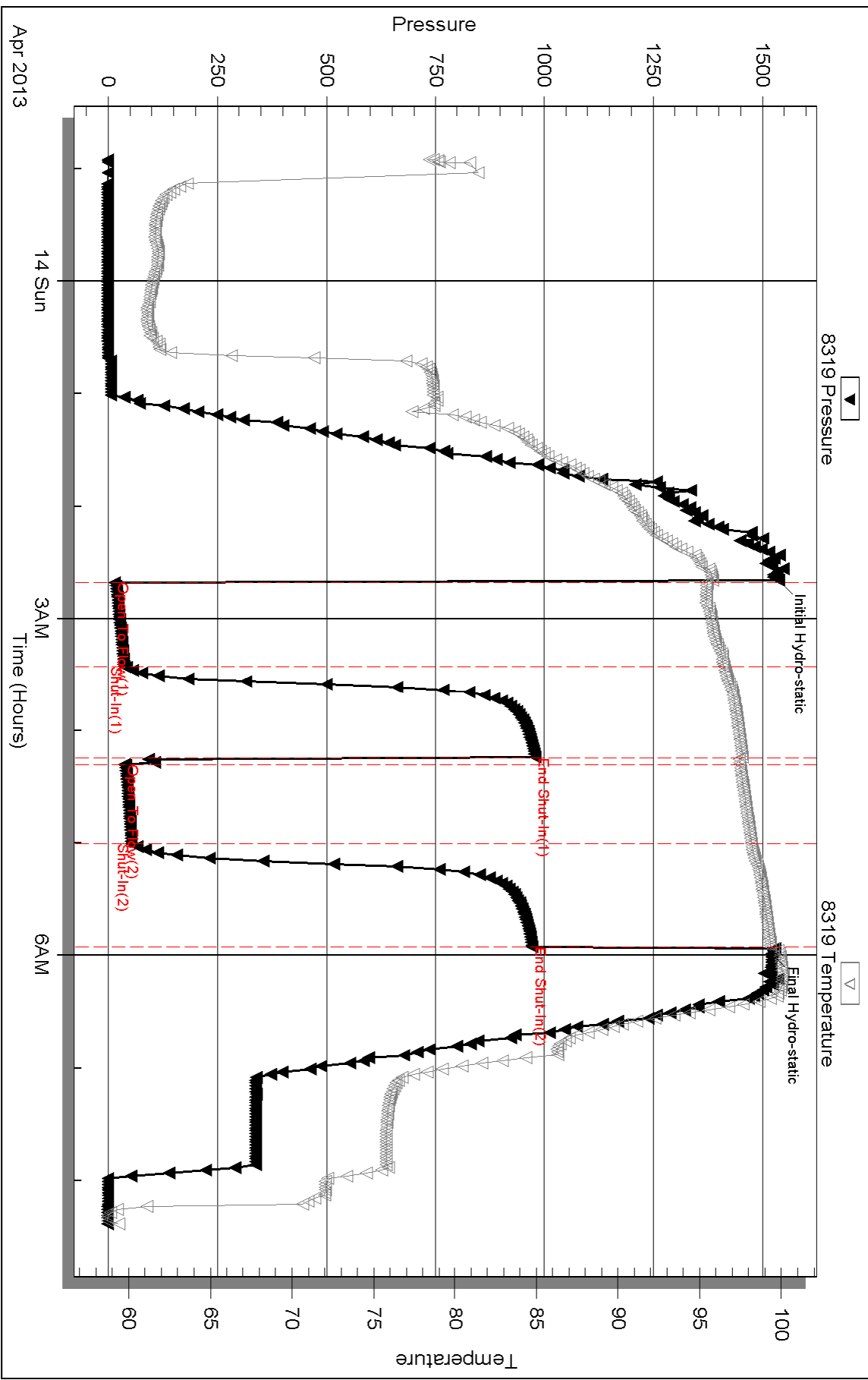
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

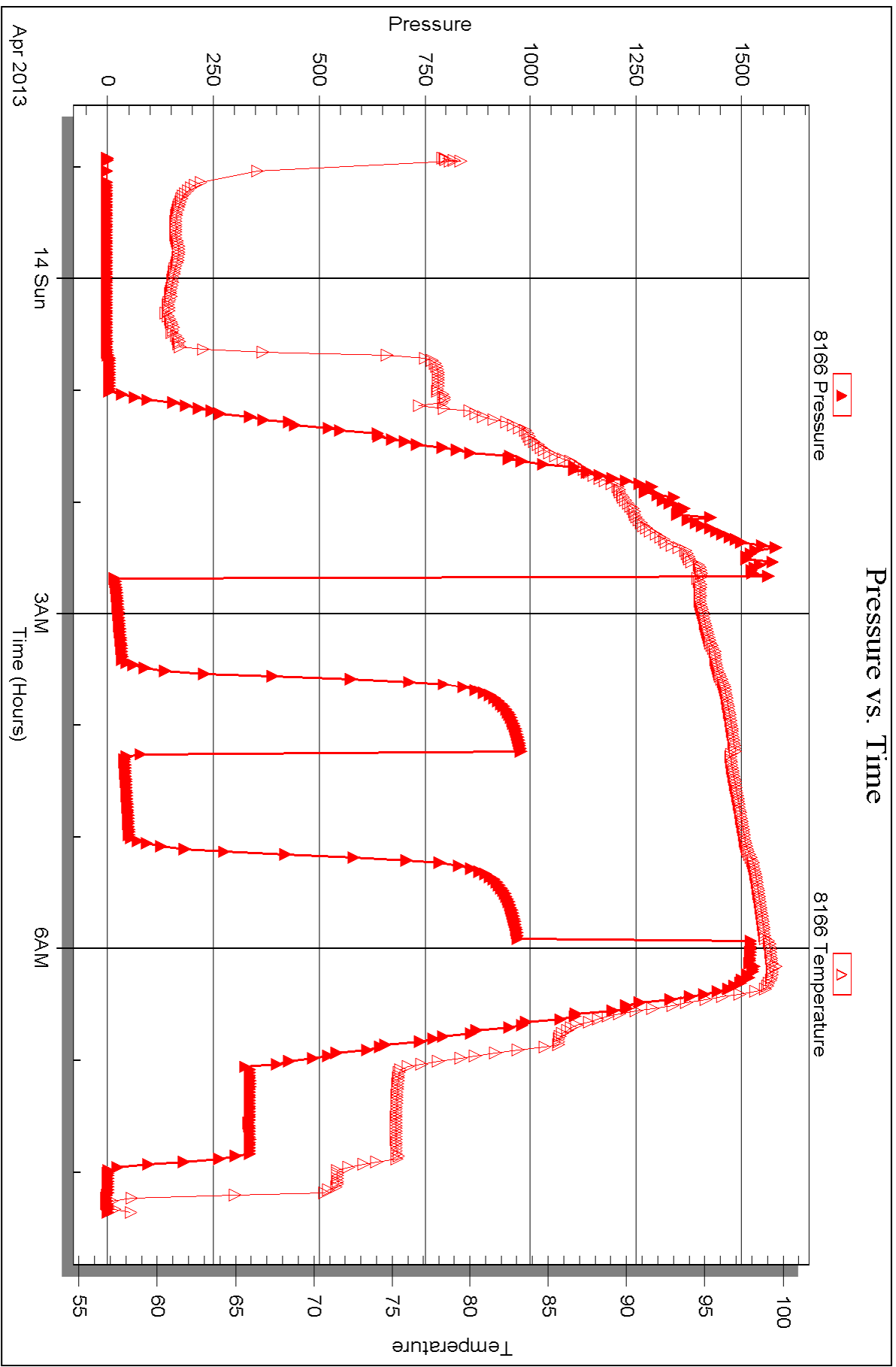


Serial #: 8166

Outside Investment Equipment LLC

Shade #5

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Investment Equipment LLC**

17509 County Rd 14
Ft. Morgan CO 80701

ATTN: Marc Downing

Shade #5

5-16s-16w Rush,KS

Start Date: 2013.04.14 @ 15:20:00

End Date: 2013.04.14 @ 21:48:00

Job Ticket #: 50279 DST #: 2

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

Printed: 2013.04.22 @ 14:21:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50279

DST#: 2

ATTN: Marc Downing

Test Start: 2013.04.14 @ 15:20:00

GENERAL INFORMATION:

Formation: **KC "E,F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:00

Time Test Ended: 21:48:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3266.00 ft (KB) To 3297.00 ft (KB) (TVD)

Reference Elevations: 1917.00 ft (KB)

Total Depth: 3297.00 ft (KB) (TVD)

1909.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press @ Run Depth: 178.12 psig @ 3267.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.14

End Date:

2013.04.14

Last Calib.:

2013.04.14

Start Time: 15:20:05

End Time:

21:47:59

Time On Btm:

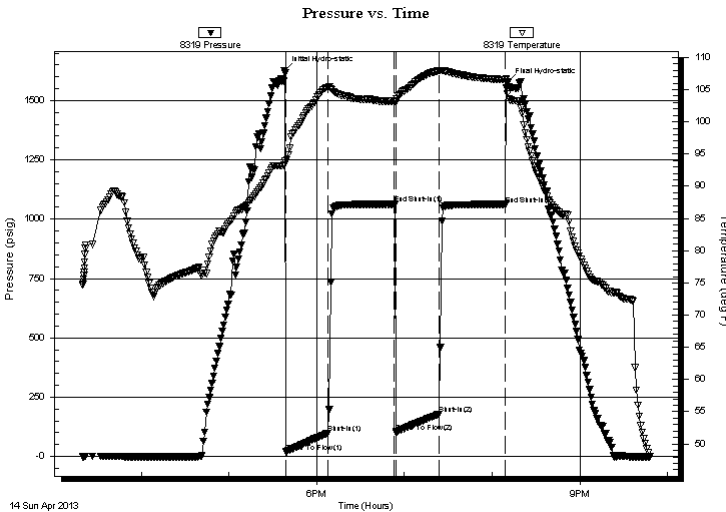
2013.04.14 @ 17:38:00

Time Off Btm:

2013.04.14 @ 20:10:30

TEST COMMENT: IF-BOB in 13 1/2 min
ISI-No blow
FF-BOB in 15 1/2 min
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.20	93.33	Initial Hydro-static
1	19.33	93.59	Open To Flow (1)
30	97.36	105.35	Shut-In(1)
75	1063.24	103.21	End Shut-In(1)
76	103.20	103.07	Open To Flow (2)
106	178.12	107.93	Shut-In(2)
151	1062.80	106.55	End Shut-In(2)
153	1578.05	104.32	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
120.00	water	1.68
210.00	MCW 40%M 60%W	2.95

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50279

DST#: 2

ATTN: Marc Downing

Test Start: 2013.04.14 @ 15:20:00

Tool Information

Drill Pipe:	Length: 3253.00 ft	Diameter: 3.80 inches	Volume: 45.63 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 27.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.63 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3266.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	52.00 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			3246.00	
Shut In Tool	5.00			3251.00	
Hydraulic tool	5.00			3256.00	
Packer	5.00			3261.00	21.00 Bottom Of Top Packer
Packer	5.00			3266.00	
Stubb	1.00			3267.00	
Recorder	0.00	8319	Inside	3267.00	
Recorder	0.00	8166	Outside	3267.00	
Perforations	2.00			3269.00	
Perforations	25.00			3294.00	
Bullnose	3.00			3297.00	31.00 Bottom Packers & Anchor

Total Tool Length: 52.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Investment Equipment LLC

5-16s-16w Rush,KS

17509 County Rd 14
Ft. Morgan CO 80701

Shade #5

Job Ticket: 50279

DST#: 2

ATTN: Marc Downing

Test Start: 2013.04.14 @ 15:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	water	1.683
210.00	MCW 40%M 60%W	2.946

Total Length: 330.00 ft Total Volume: 4.629 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

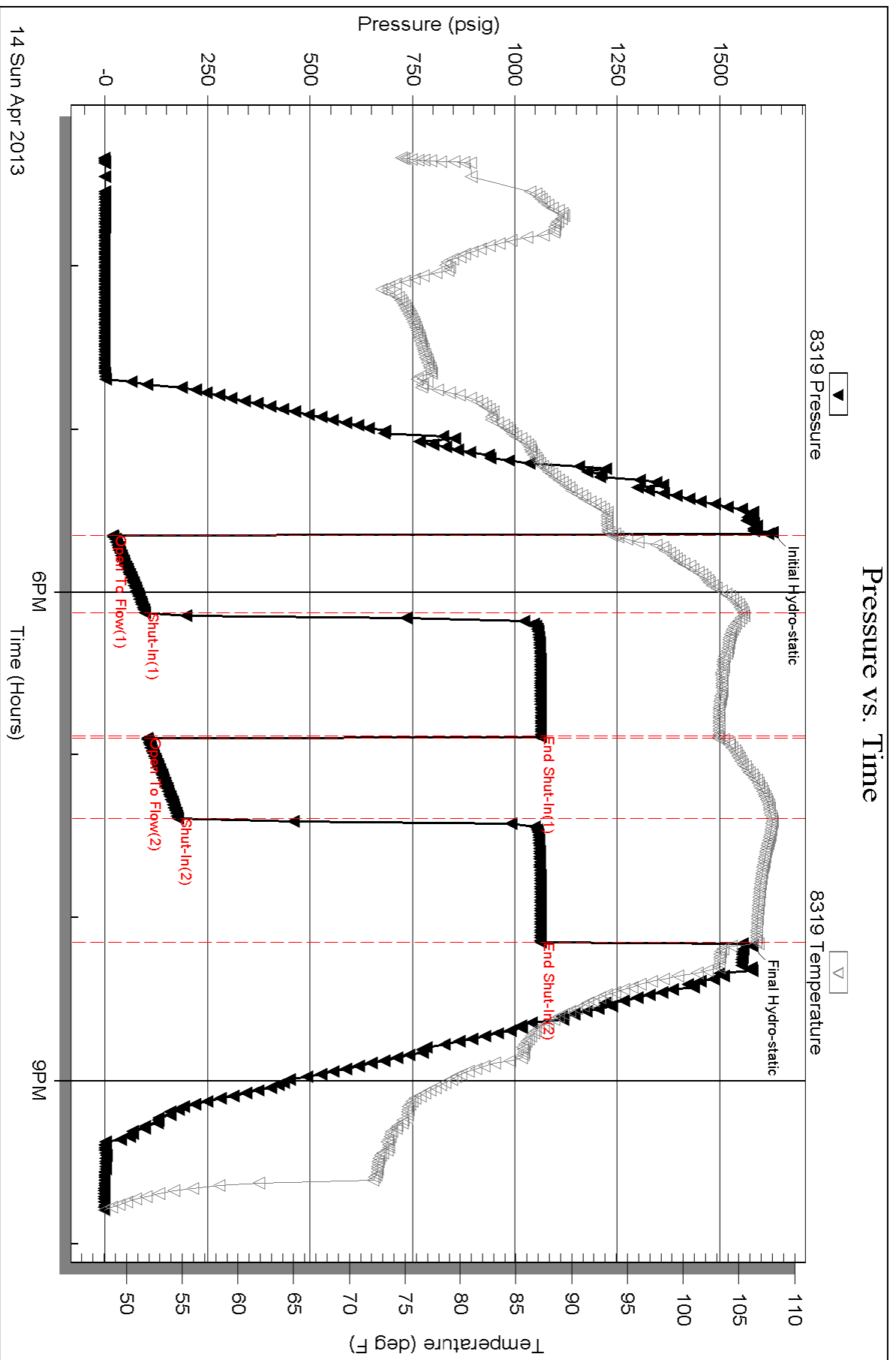
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

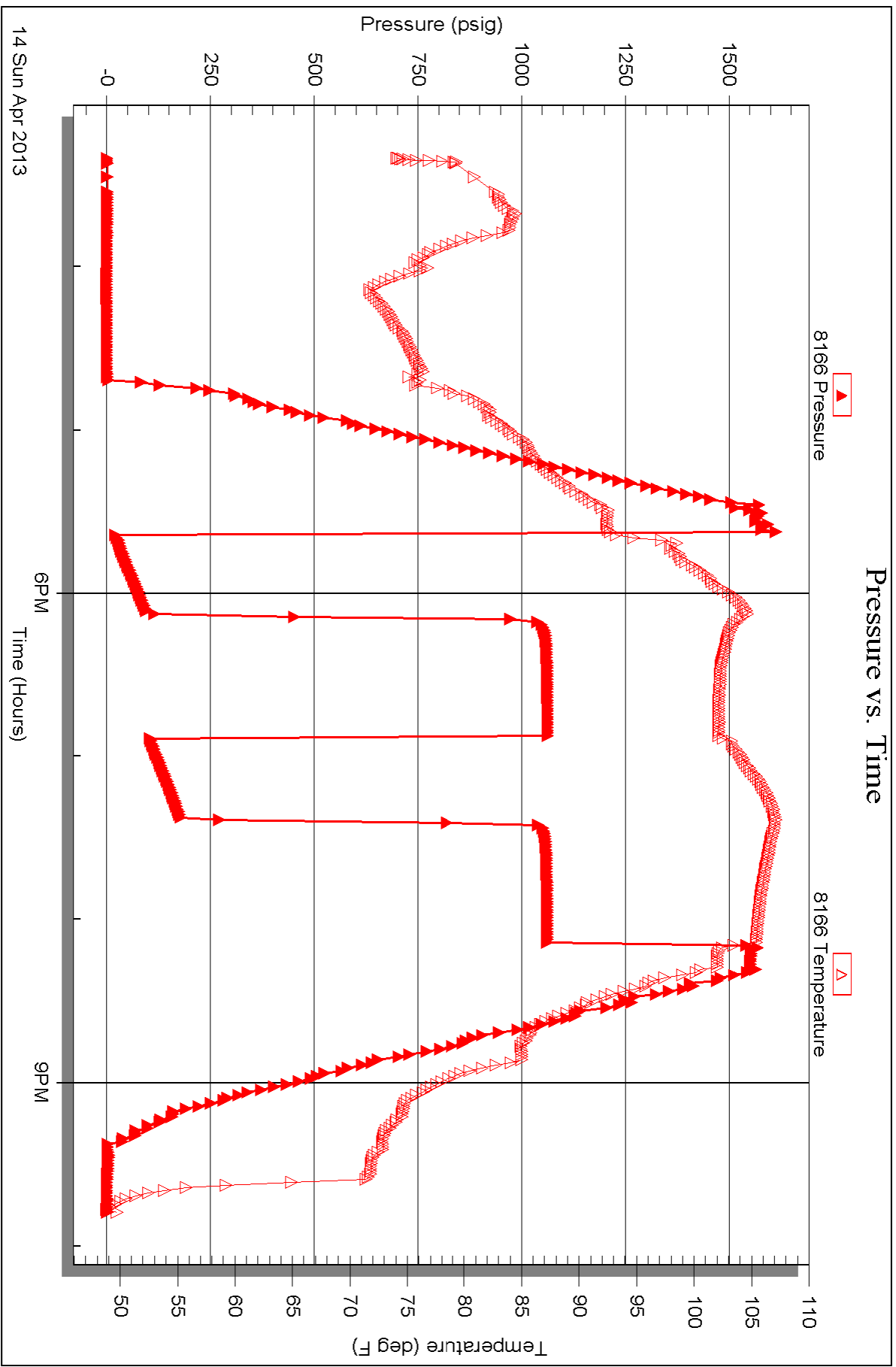


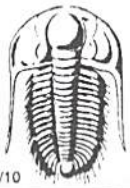
Serial #: 8166

Outside Investment Equipment LLC

Shade #5

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50278

Well Name & No. Shade #5 Test No. 1 Date 4/13/13
 Company Investment Equipment LLC Elevation 1917 KB 1909 GL
 Address 17509 County Rd 14 FT Morgan CO 80701
 Co. Rep / Geo. Marc D Rig _____
 Location: Sec. 5 Twp. 16s Rge. 16w Co. R45h State KS

Interval Tested 3179-3258 Zone Tested KC "A-D"
 Anchor Length 79 Drill Pipe Run _____ Mud Wt. 8.8
 Top Packer Depth 3174 Drill Collars Run _____ Vis 50
 Bottom Packer Depth 3179 Wt. Pipe Run _____ WL 8.8
 Total Depth 3258 Chlorides 5000 ppm System LCM 2nd
 Blow Description IF - 4 in blow
ISI - No blow
FF - 2 1/4 in blow
FSI - No blow

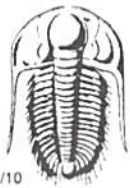
Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Feet of spotted swcm</u>			<u>10</u>	<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 75 BHT 99 Gravity _____ API RW .15 @ 50° F Chlorides 72000 ppm

(A) Initial Hydrostatic <u>1538</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>21:00</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars _____	T-Started <u>22:55</u>
(C) First Final Flow <u>37</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>2:40</u>
(D) Initial Shut-In <u>979</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>5:40</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:24</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>53 RT</u> 82.15	Comments _____
(G) Final Shut-In <u>972</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1522</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</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>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1232.15</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1232.15</u>	

Approved By _____ Our Representative Beth Duhon

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. **50279**

Well Name & No. Shade #5 Test No. 2 Date 4/14/15
 Company Investment Equipment LLC Elevation 1917 KB 1909 GL
 Address 12509 County Rd 14 Ft Morgan CO 80701
 Co. Rep / Geo. Marc D. Rig Maverick #108
 Location: Sec. 5 Twp. 16s Rge. 16w Co. Rush State KS

Interval Tested 3266 - 3297 Zone Tested KC "E, F"
 Anchor Length 31 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3261 Drill Collars Run — Vis _____
 Bottom Packer Depth 3266 Wt. Pipe Run — WL _____
 Total Depth 3297 Chlorides _____ ppm System LCM _____
 Blow Description IF - BOB in 13 1/2 min
ISI - No blow
FF - BOB in 15 1/2 min
FSL - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>water</u>				
<u>210</u>	<u>MCW</u>			<u>60</u>	<u>40</u>
____	____				
____	____				
____	____				

Rec Total 330 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1,627</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>15:00</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars _____	T-Started <u>15:20</u>
(C) First Final Flow <u>97</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>17:38</u>
(D) Initial Shut-In <u>1,063</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:08</u>
(E) Second Initial Flow <u>103</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:45</u>
(F) Second Final Flow <u>178</u>	<input checked="" type="checkbox"/> Mileage <u>53.1X2</u> 164.30	Comments <u>pick up test tool</u>
(G) Final Shut-In <u>1,063</u>	<input type="checkbox"/> Sampler _____	@ 19:30
(H) Final Hydrostatic <u>1,578</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>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1314.30</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1314.30</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.

Maverick Drilling LLC

Today's Date: 4/3/2013

Rig # 108 Spud Date: _____ Spud Time: _____

Operator: Investment Equipment

Well Name & #/: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 1645 gals

7:00 A.M. Depth: _____

Fuel Used Last 24 Hrs:

Ftg Drld last 24 hrs: _____

Moving rig today. Taking sub to Russell to plate the bottom. Making general repairs and maintenance on rig. Change out liners, valves and seats in pump. Should spud Friday or Saturday.

Current Activity: MIRT

Comments: _____

Weather: Cloudy Cool

DRILLING MUD: Weight: _____

Water Loss: _____ Vis: _____ LCM: _____

MUD COST: Daily: _____

Total: _____

MUD PUMP: Pressure: _____

Strokes: _____

HOURLY BREAKDOWN

Drilling: _____ Footage _____

Repairs: _____

Connections: _____ Daylights: _____

Jet Pits: _____ Evening: _____

Service Rig: _____ Morning: _____

Hours on Bit: _____ FPH: _____

RPM: _____ WEIGHT on BIT: _____

Bit # 1 Make _____ Type: _____

In: _____ Out: _____ Hours: _____

Bit # 2 Make _____ Type: _____

In: _____ Out: _____ Hours: _____

CFS: _____ Cond Hole: _____

DST #: _____ Trip Hrs: _____

DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____

DST Hrs: _____ DST Recovery: _____

Logging: _____

Short Trip: _____

Dev: _____

Lay Down Pipe: _____

Trip: _____

Nipple Down: _____

Hrs. Run Casing: _____ Size: _____

Weight: _____

Tally: _____ Jnts: _____

Set @: _____

Hrs. Circ. Casing: _____

Hrs. Cement Casing: _____ Cement Company: _____

Cement With: _____ Ticket #: _____

Plug Down: _____ AM or PM Did Circ: _____ Didn't Circ: _____ WOC: _____

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____ Date: _____ Time: _____

1st Plug: _____ 2nd Plug: _____

3rd Plug: _____ 4th Plug: _____

5th Plug: _____ Rat Hole: _____

Mouse Hole: _____ Cement Company: _____

Date Plugged: _____ Time: _____

Maverick Drilling LLC

Today's Date: 4/8/2103

Rig # 108 Spud Date: _____ Spud Time: _____

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 1645 gals

7:00 A.M. Depth: _____

Fuel Used Last 24 Hrs:

Ftg Drld last 24 hrs: _____

Comments: Finishing rigging up this morning. Had to change out pinion bearings in rotary table.

Current Activity: Finish Rig Up

Weather: Cloudy Cool

DRILLING MUD: Weight: _____ Water Loss: _____ Vis: _____ LCM: _____

MUD COST: Daily: _____ Total: _____

MUD PUMP: Pressure: _____ Strokes: _____

HOURLY BREAKDOWN

Drilling: _____ Footage Repairs: _____
Connections: _____ Daylights: _____
Jet Pits: _____ Evening: _____
Service Rig: _____ Morning: _____

Hours on Bit: _____ FPH: _____ RPM: _____ WEIGHT on BIT: _____

Bit # 1 Make _____ Type: _____ In: _____ Out: _____ Hours: _____

Bit # 2 Make _____ Type: _____ In: _____ Out: _____ Hours: _____

CFS: _____ Cond Hole: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ DST Recovery: _____

Logging: _____ Short Trip: _____

Dev: _____ Lay Down Pipe: _____

Trip: _____ Nipple Down: _____

Hrs. Run Casing: _____ Size: _____ Weight: _____

Tally: _____ Jnts: _____ Set @: _____

Hrs. Circ. Casing: _____ Hrs. Cement Casing: _____ Cement Company: _____

Cement With: _____ Ticket #: _____

Plug Down: _____ AM or PM Did Circ: _____ Didn't Circ: _____ WOC: _____

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____ Date: _____ Time: _____

1st Plug: _____ 2nd Plug: _____

3rd Plug: _____ 4th Plug: _____

5th Plug: _____ Rat Hole: _____

Mouse Hole: _____ Cement Company: _____

Date Plugged: _____ Time: _____

Maverick Drilling LLC

Today's Date: 4/9/2103

Rig # 108 Spud Date: 4/8/2013

Spud Time: 3:30 PM

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 1128 gals

7:00 A.M. Depth: 420'

Fuel Used Last 24 Hrs: 235 gals

Ftg Drld last 24 hrs: 420'

Finish rigging up 7.75 hrs, drill rat hole .75 hr, 5.25 hrs mix weight mud for surface hole

Current Activity: Drilling

Comments:

Weather: Cloudy Cool Windy

DRILLING MUD: Weight: 11.0

Water Loss: NC Vis: 50.0 LCM: 1/2#

MUD COST: Daily: \$8,352.55

Total: \$8,352.55

MUD PUMP: Pressure: 350

Strokes: 56

HOURLY BREAKDOWN

Drilling: 6.75 hrs

Footage Repairs:

Connections: 1.5 hrs

Daylights: 0'

Jet Pits: 0

Evening: 350'

Service Rig: .5 hr

Morning: 70'

Hours on Bit: 6.75

FPH: 63

RPM: 120

WEIGHT on BIT: 4-10,000

Bit # 1 Make JZ RR

Type: 12 1/4" Btn

In: _____

Out: _____

Hours: _____

Bit # 2 Make _____

Type: _____

In: _____

Out: _____

Hours: _____

CFS: _____ Cond Hole: .25 hr

DST #: _____ Trip Hrs: _____

DST Hrs: _____

Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____

DST Hrs: _____

DST Recovery: _____

Logging: _____

Short Trip: 1 hr

Dev: .25 hr - 350' - 1/4"

Lay Down Pipe: _____

Trip: _____

Nipple Down: _____

Hrs. Run Casing: _____

Size: _____

Weight: _____

Tally: _____

Jnts: _____

Set @: _____

Hrs. Circ. Casing: _____

Hrs. Cement Casing: _____

Cement Company: _____

Cement With: _____

Ticket #: _____

Plug Down: _____ AM or PM

Did Circ: _____

Didn't Circ: _____

WOC: _____

PLUGGING INFO: Plugging Cement:

Plugging Orders: _____

Date: _____ Time: _____

1st Plug: _____

2nd Plug: _____

3rd Plug: _____

4th Plug: _____

5th Plug: _____

Rat Hole: _____

Mouse Hole: _____

Cement Company: _____

Date Plugged: _____

Time: _____

Maverick Drilling LLC

Today's Date: 4/10/2103

Rig # 108 Spud Date: 4/8/2013 Spud Time: 3:30 PM

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 2491 gals

7:00 A.M. Depth: 1031'

Fuel Used Last 24 Hrs: 315 gals

Ftg Drid last 24 hrs: 611'

Getting ready to cement 8 5/8" casing

Current Activity: Circ 8 5/8" Casing

Comments:

Weather: Cold Snow Wind

DRILLING MUD: Weight: 11.8 Water Loss: NC Vis: 53.0 LCM: 1#

MUD COST: Daily: \$0.00 Total: \$8,352.55

MUD PUMP: Pressure: 850 Strokes: 58

HOURLY BREAKDOWN

Drilling: 13.25 hrs

Footage Repairs:

Connections: 1.75 hrs Daylights: 380'

Jet Pits: 0 Evening: 231'

Service Rig: .75 hr Morning: 0'

Hours on Bit: 20 FPH: 53 RPM: 120 WEIGHT on BIT: 18-24,000

Bit # 1 Make JZ RR Type: 12 1/4" Btn In: 0' Out: 1031' Hours: 20

Bit # 2 Make _____ Type: _____ In: _____ Out: _____ Hours: _____

CFS: _____ Cond Hole: 1.25 hrs

DST #: _____ Trip Hrs: _____ DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ DST Recovery: _____

Logging: _____

Short Trip: 2.5 hrs

Dev: .25 hr - 1031' - 1°

Lay Down Pipe: _____

Trip: 1.25 hrs

Nipple Down: _____

Hrs. Run Casing: 2.5 hrs Size: 8 5/8" Weight: 24#

Tally: 1032' Jnts: 24 Set @: 1029'

Hrs. Circ. Casing: .5 hr Hrs. Cement Casing: _____ Cement Company: _____

Cement With: _____ Ticket #: _____

Plug Down: _____ AM or PM Did Circ: _____ Didn't Circ: _____ WOC: _____

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____ Date: _____ Time: _____

1st Plug: _____ 2nd Plug: _____

3rd Plug: _____ 4th Plug: _____

5th Plug: _____ Rat Hole: _____

Mouse Hole: _____ Cement Company: _____

Date Plugged: _____ Time: _____

Maverick Drilling LLC

Today's Date: 4/11/2103

Rig # 108 Spud Date: 4/8/2013 Spud Time: 3:30 PM

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 2256 gals

7:00 A.M. Depth: 1520'

Fuel Used Last 24 Hrs: 235 gals

Ftg Drld last 24 hrs: 489'

Anhydrite - 1026' - 1064', .5 hr drill plug and cement

Current Activity: Drilling

Comments:

Weather: Clear Cold

DRILLING MUD: Weight: 9.1

Water Loss: NC Vis: 28.0 LCM: 0

MUD COST: Daily: \$0.00

Total: \$8,352.55

MUD PUMP: Pressure: 850

Strokes: 56

HOURLY BREAKDOWN

Drilling: 8.25 hrs

Footage Repairs:

Connections: 1 hr Daylights: 0'

Jet Pits: .25 hr Evening: 29'

Service Rig: .25 hr Morning: 460'

Hours on Bit: 20 FPH: 60

RPM: 70-75 WEIGHT on BIT: 28-30,000

Bit # 1 Make JZ Type: HA20QJ

In: 1031' Out: _____ Hours: 8.25

Bit # 2 Make _____ Type: _____

In: _____ Out: _____ Hours: _____

CFS: _____ Cond Hole: _____

DST #: _____ Trip Hrs: _____

DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____

DST Hrs: _____ DST Recovery: _____

Logging: _____

Short Trip: 2.5 hrs

Dev: _____

Lay Down Pipe: _____

Trip: _____

Nipple Down: _____

Hrs. Run Casing: _____ Size: 8 5/8"

Weight: 24#

Tally: 1032' Jnts: 24

Set @: 1029'

Hrs. Circ. Casing: 1 hr Hrs. Cement Casing: .75 hr Cement Company: Swift Services

Cement With: 400 sks AA2 Ticket #: _____

Plug Down: 8:45 AM 4/10/2013 Did Circ: XXXXXX Didn't Circ: _____ WOC: 12 hrs

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____ Date: _____ Time: _____

1st Plug: _____ 2nd Plug: _____

3rd Plug: _____ 4th Plug: _____

5th Plug: _____ Rat Hole: _____

Mouse Hole: _____ Cement Company: _____

Date Plugged: _____ Time: _____

Maverick Drilling LLC

Today's Date: 4/12/2103

Rig # 108 Spud Date: 4/8/2013 Spud Time: 3:30 PM

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 1833 gals

7:00 A.M. Depth: 2380'

Fuel Used Last 24 Hrs: 423 gals

Ftg Drld last 24 hrs: 860'

Current Activity: Drilling

Comments:

Weather: Clear Cold

DRILLING MUD: Weight: 9.2

Water Loss: NC Vis: 28.0 LCM: 0

MUD COST: Daily: \$1,039.65

Total: \$9,278.15

MUD PUMP: Pressure: 900

Strokes: 56

HOURLY BREAKDOWN

Drilling: 20.75 hrs

Footage Repairs:

Connections: 2 hrs Daylights: 361'

Jet Pits: .5 hr Evening: 259'

Service Rig: .75 hr Morning: 240'

Hours on Bit: 29 FPH: 67 RPM: 75-80 WEIGHT on BIT: 30-34,000

Bit # 1 Make JZ Type: HA20QJ In: 1031' Out: _____ Hours: 29

Bit # 2 Make _____ Type: _____ In: _____ Out: _____ Hours: _____

CFS: _____ Cond Hole: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ DST Recovery: _____

Logging: _____ Short Trip: _____
Dev: _____ Lay Down Pipe: _____
Trip: _____ Nipple Down: _____

Hrs. Run Casing: _____ Size: 8 5/8" Weight: 24#

Tally: 1032' Jnts: 24 Set @: 1029'

Hrs. Circ. Casing: _____ Hrs. Cement Casing: _____ Cement Company: Swift Services

Cement With: 400 sks AA2 Ticket #: _____

Plug Down: 8:45 AM 4/10/2013 Did Circ: XXXXXX Didn't Circ: _____ WOC: _____

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____ Date: _____ Time: _____

1st Plug: _____ 2nd Plug: _____

3rd Plug: _____ 4th Plug: _____

5th Plug: _____ Rat Hole: _____

Mouse Hole: _____ Cement Company: _____

Date Plugged: _____ Time: _____

Maverick Drilling LLC

Today's Date: 4/14/2103

Rig # 108

Spud Date: 4/8/2013

Spud Time: 3:30 PM

Operator: Investment Equipment

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS

Approx TD: 3550' Arbuckle

Fuel: 1081 gals

7:00 A.M. Depth: 3258'

Fuel Used Last 24 Hrs: 329 gals

Ftg Drid last 24 hrs: 248'

Current Activity: POH with DST #1

Comments:

Weather: Cool Windy

DRILLING MUD: Weight: 8.8

Water Loss: 8.8

Vis: 50.0

LCM: 2#

MUD COST: Daily: \$6,847.85

Total: \$15,200.60

MUD PUMP: Pressure: 900

Strokes: 56

HOURLY BREAKDOWN

Drilling: 10.25 hrs

Footage

Repairs:

Connections: .75 hr

Daylights: 165'

Jet Pits: 0

Evening: 83'

Service Rig: .5 hr

Morning: 0'

Hours on Bit: 60.25

FPH: 37

RPM: 70-75

WEIGHT on BIT: 36-38,000

Bit # 1 Make JZ

Type: HA20QJ

In: 1031'

Out: _____ Hours: 60.25

Bit # 2 Make _____

Type: _____

In: _____

Out: _____ Hours: _____

CFS: 1 hr

Cond Hole: 1.5 hrs

DST #: 1

Trip Hrs: 5.75 hrs

DST Hrs: 3 hrs

Make Up/LD Tool: .25 hr

DST #: _____

Trip Hrs: _____

DST Hrs: _____

DST Recovery: _____

Logging: _____

Short Trip: 1 hr

DST #1 - 3179' - 3258'

Dev: 3258' - 1"

Lay Down Pipe: _____

Trip: _____

Nipple Down: _____

Hrs. Run Casing: _____

Size: 8 5/8"

Weight: 24#

Tally: 1032'

Jnts: 24

Set @: 1029'

Hrs. Circ. Casing: _____

Hrs. Cement Casing: _____

Cement Company: Swift Services

Cement With: _____

400 sks AA2

Ticket #: _____

Plug Down: 8:45 AM 4/10/2013

Did Circ: XXXXXX

Didn't Circ: _____

WOC: _____

PLUGGING INFO:

Plugging Cement: _____

Plugging Orders: _____

Date: _____

Time: _____

1st Plug: _____

2nd Plug: _____

3rd Plug: _____

4th Plug: _____

5th Plug: _____

Rat Hole: _____

Mouse Hole: _____

Cement Company: _____

Date Plugged: _____

Time: _____

Maverick Drilling LLC

Today's Date: 4/15/2103

Rig # 108

Spud Date: 4/8/2013

Spud Time: 3:30 PM

Operator: Investment Equipment LLC

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS

Approx TD: 3550' Arbuckle

Fuel: 842 gals

7:00 A.M. Depth: 3400'

Fuel Used Last 24 Hrs: 239 gals

Ftg Drld last 24 hrs: 142'

Current Activity: Drilling

Comments:

Weather: Cloudy Cool

DRILLING MUD: Weight: 9.1

Water Loss: 9.2

Vis: 52.0

LCM: 2#

MUD COST: Daily: \$631.75

Total: \$15,832.25

MUD PUMP: Pressure: 900

Strokes: 56

HOURLY BREAKDOWN

Drilling: 7.75 hrs

Footage

Repairs:

Connections: .5 hr

Daylights: 39'

.5 hr repair rotary chain, .25 hr repair spinning chain

Jet Pits: 0

Evening: 0'

Service Rig: .25 hr

Morning: 103'

Hours on Bit: 68

FPH: 35

RPM: 70-75

WEIGHT on BIT: 36-38,000

Bit # 1 Make JZ

Type: HA20QJ

In: 1031'

Out: _____ Hours: 68

Bit # 2 Make _____

Type: _____

In: _____

Out: _____ Hours: _____

CFS: 1 hr

Cond Hole: 1.5 hrs

DST #: 1

Trip Hrs: 2.25 hrs

DST Hrs: _____

Make Up/LD Tool: 1.25 hr

DST #: 2

Trip Hrs: 6.25

DST Hrs: 2.5 hrs

DST Recovery: _____

Logging: _____

Short Trip: 1 hr

DST #1 - 3179' - 3258' - 75' OSM

DST #2 - 3256' - 3297' - 330' MW

Dev: _____

Lay Down Pipe: _____

Trip: _____

Nipple Down: _____

Hrs. Run Casing: _____

Size: 8 5/8"

Weight: 24#

Tally: 1032'

Jnts: 24

Set @: 1029'

Hrs. Circ. Casing: _____

Hrs. Cement Casing: _____

Cement Company: Swift Services

Cement With: 400 sks AA2

Ticket #: _____

Plug Down: 8:45 AM 4/10/2013

Did Circ: XXXXXX

Didn't Circ: _____

WOC: _____

PLUGGING INFO: Plugging Cement: _____

Plugging Orders: _____

Date: _____

Time: _____

1st Plug: _____

2nd Plug: _____

3rd Plug: _____

4th Plug: _____

5th Plug: _____

Rat Hole: _____

Mouse Hole: _____

Cement Company: _____

Date Plugged: _____

Time: _____

Maverick Drilling LLC

Today's Date: 4/16/2103

Rig # 108 Spud Date: 4/8/2013 Spud Time: 3:30 PM

Operator: Investment Equipment LLC

Well Name & ##: Shade #5

Location: 990' FSL & 2310' FWL Sec 5-16S-16W

County: Rush, KS Approx TD: 3550' Arbuckle Fuel: 564 gals

7:00 A.M. Depth: 3550'

Fuel Used Last 24 Hrs: 282 gals

Ftg Drid last 24 hrs: 150'

Rig will be released @ 8:30 AM

Current Activity: Jet pits, Rig down Comments:

Weather: Cloudy Cold

DRILLING MUD: Weight: 9.3 Water Loss: 9.2 Vis: 51.0 LCM: 1#

MUD COST: Daily: \$0.00 Total: \$15,481.45

MUD PUMP: Pressure: 900 Strokes: 56

HOURLY BREAKDOWN

Drilling: 6.5 hrs Footage

Repairs:

Connections: 0 Daylights: 150'

Jet Pits: .5 hr Evening: 0'

Service Rig: .25 hr Morning: 0'

Hours on Bit: 74.5 FPH: 34 RPM: 70-75 WEIGHT on BIT: 36-38,000

Bit # 1 Make JZ Type: HA20QJ In: 1031' Out: 3550' Hours: 74.5

Bit # 2 Make _____ Type: _____ In: _____ Out: _____ Hours: _____

CFS: 1 hr Cond Hole: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ Make Up/LD Tool: _____

DST #: _____ Trip Hrs: _____ DST Hrs: _____ DST Recovery: _____

Logging: 4 hrs Plug Hole: 1.5 hrs

Dev: _____ Lay Down Pipe: 5.25 hrs

Trip: 4.25 hrs Nipple Down: .75 hr

Hrs. Run Casing: _____ Size: 8 5/8" Weight: 24#

Tally: 1032' Jnts: 24 Set @: 1029'

Hrs. Circ. Casing: _____ Hrs. Cement Casing: _____ Cement Company: Swift Services

Cement With: 400 sks AA2 Ticket #: _____

Plug Down: 8:45 AM 4/10/2013 Did Circ: XXXXXX Didn't Circ: _____ WOC: _____

PLUGGING INFO: Plugging Cement: 210 sacks 60/40 POZ Mix 4% Gel

Plugging Orders: Kenny Sullivan - KCC Dodge City Date: 4/15/2013 Time: 2:05 PM

1st Plug: 3500' - 50 sks 2nd Plug: 1050' - 50 sks

3rd Plug: 420' - 40sks 4th Plug: 50' - 20 sks

5th Plug: _____ Rat Hole: 30 sks

Mouse Hole: 20 sks Cement Company: Swift Services Inc. tkt# 23976

Date Plugged: 4/16/2013 Time: 6:30 AM