



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1078968  
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: \_\_\_\_\_

1078968

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Gasper 1-7
Doc ID	1078968

Tops

Name	Top	Datum
Anhydrite	1604	+461
Base Anhydrite	1635	+430
Topeka	3032	-967
Heebner	3236	-1171
Toronto	3259	-1194
Lansing	3275	-1210
Base Kansas City	3493	-1428
Marmaton	3520	-1455
Total Depth	3582	-1517

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



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

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 17, 2012

Jim R. Baird  
Baird Oil Company LLC  
113 W MAIN  
PO BOX 428  
LOGAN, KS 67646

Re: ACO1  
API 15-163-24013-00-00  
Gasper 1-7  
SW/4 Sec.07-07S-19W  
Rooks County, Kansas

Dear Production Department:

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

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

Respectfully,  
Jim R. Baird





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

### **Gasper #1-7**

#### **7-7s-19w Rooks,KS**

Start Date: 2012.03.11 @ 09:05:24

End Date: 2012.03.11 @ 15:04:24

Job Ticket #: 46036                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.15 @ 13:55:21



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46036

**DST#: 1**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 09:05:24

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:37:54

Time Test Ended: 15:04:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3231.00 ft (KB) To 3265.00 ft (KB) (TVD)**

Reference Elevations: 2065.00 ft (KB)

Total Depth: 3265.00 ft (KB) (TVD)

2060.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753 Outside**

Press @ Run Depth: 23.50 psig @ 3235.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.11

End Date:

2012.03.11

Last Calib.:

2012.03.11

Start Time: 09:05:29

End Time:

15:04:23

Time On Btm:

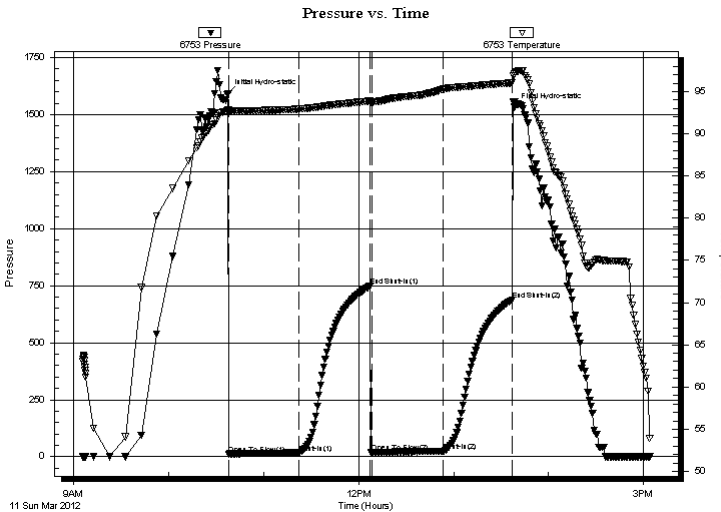
2012.03.11 @ 10:37:24

Time Off Btm:

2012.03.11 @ 13:38:24

**TEST COMMENT:** IF-2" blow died back to 1 3/4" blow  
ISI-No blow  
FF-Very weak surface blow died in 12 min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.10	92.83	Initial Hydro-static
1	11.95	92.51	Open To Flow (1)
45	17.40	92.92	Shut-In(1)
90	746.70	93.88	End Shut-In(1)
91	19.51	93.72	Open To Flow (2)
136	23.50	95.29	Shut-In(2)
180	688.62	96.03	End Shut-In(2)
181	1532.48	97.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	V SOCM 5% O 95% M	0.10

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46036

**DST#: 1**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 09:05:24

## Tool Information

Drill Pipe:	Length: 3112.00 ft	Diameter: 3.80 inches	Volume: 43.65 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	48000.00 lb
Drill Pipe Above KB:	21.00 ft			Final	48000.00 lb
Depth to Top Packer:	3231.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	54.00 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			3212.00	
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Packer	4.00			3226.00	20.00 Bottom Of Top Packer
Packer	5.00			3231.00	
Stubb	1.00			3232.00	
Perforations	3.00			3235.00	
Recorder	0.00	8319	Inside	3235.00	
Recorder	0.00	6753	Outside	3235.00	
Perforations	27.00			3262.00	
Bullnose	3.00			3265.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46036

**DST#: 1**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 09:05:24

## 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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	VSOCM 5%O 95%M	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

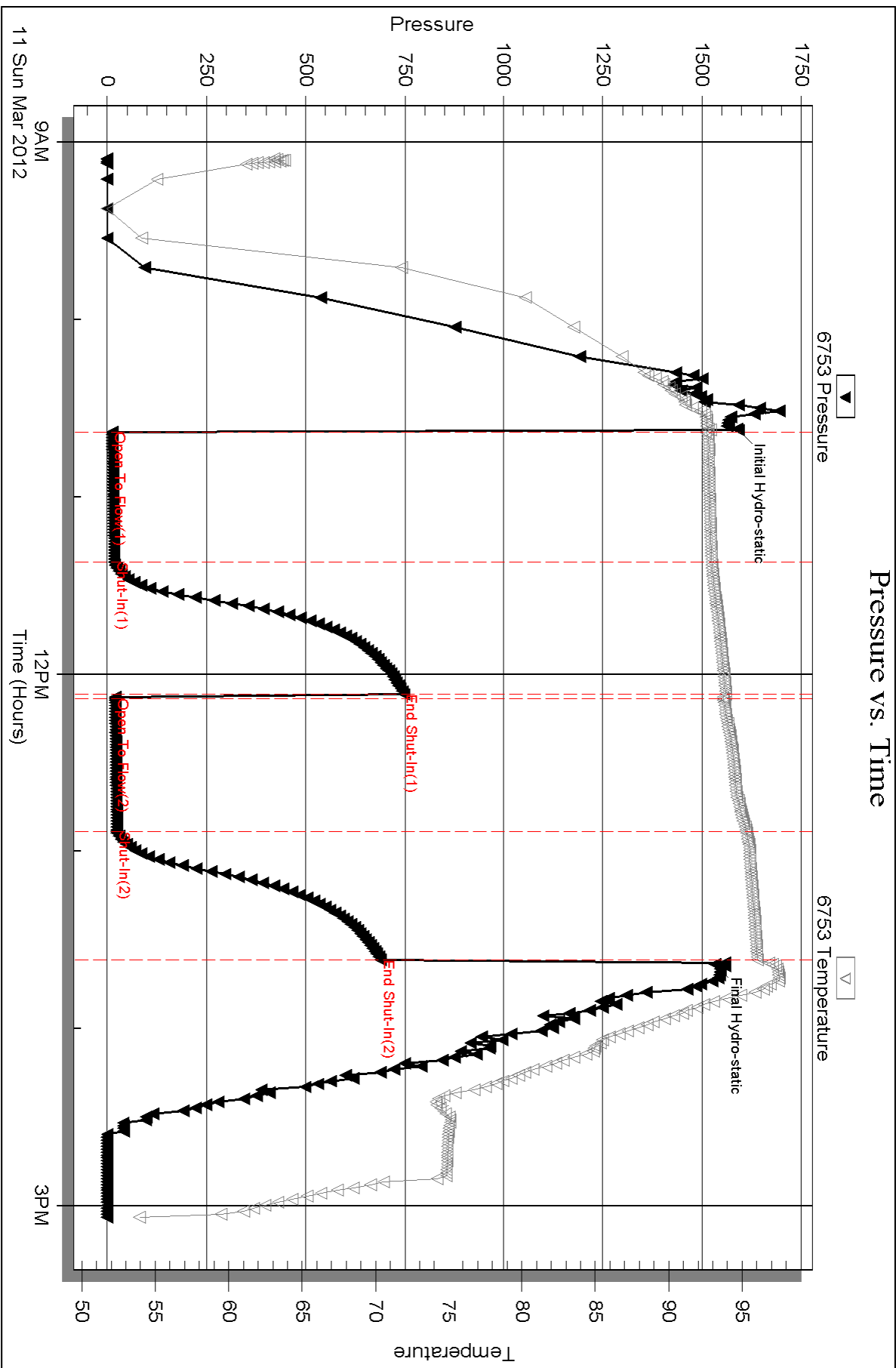
Recovery Comments:

Serial #: 6753

Outside Baird Oil Company, LLC

Gaspar #1-7

DST Test Number: 1



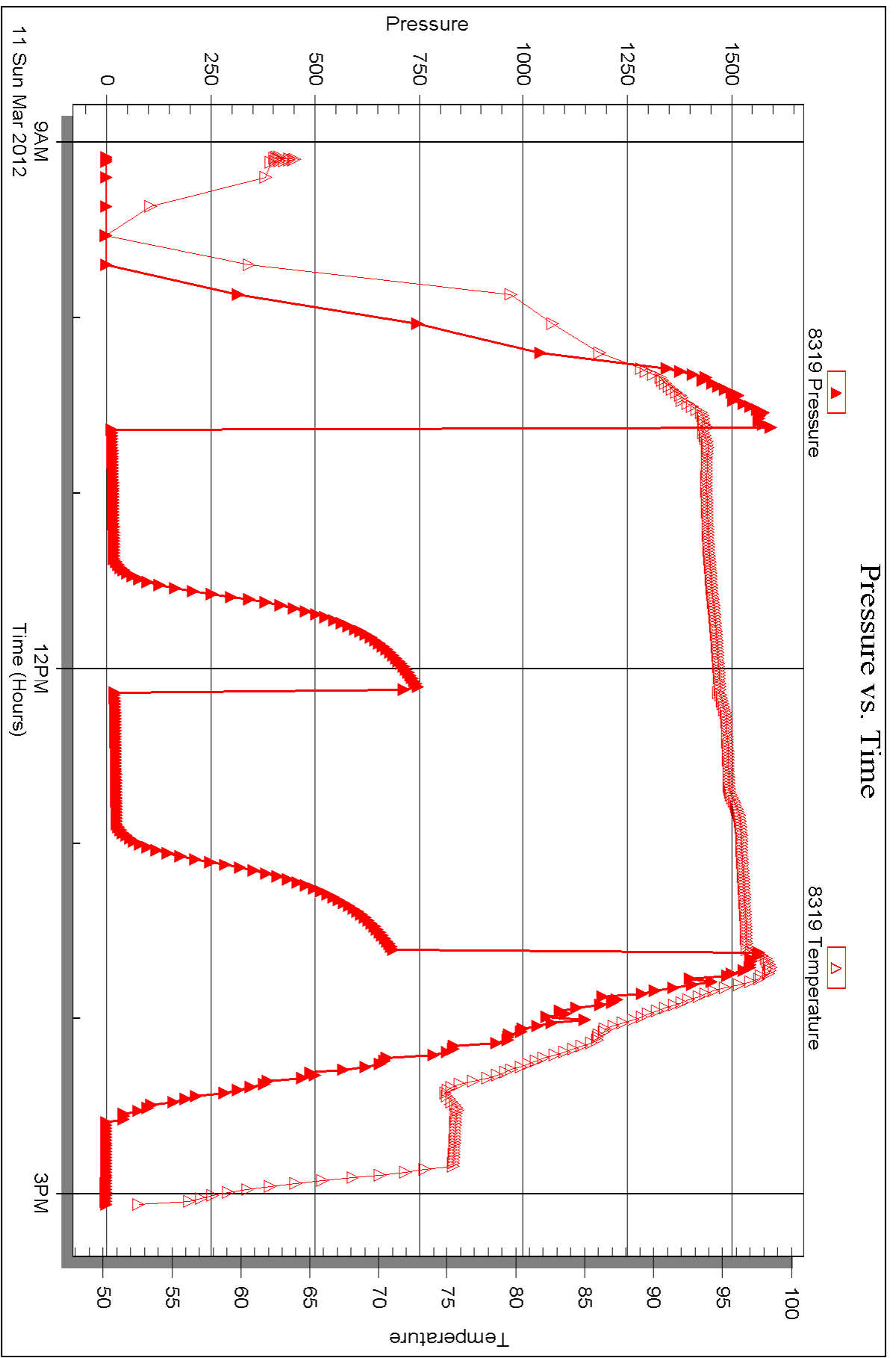
Serial #: 8319

Inside

Baird Oil Company, LLC

Gasper #1-7

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46036

Printed: 2012.03.15 @ 13:55:24



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

### **Gasper #1-7**

#### **7-7s-19w Rooks,KS**

Start Date: 2012.03.11 @ 20:35:28

End Date: 2012.03.12 @ 02:03:28

Job Ticket #: 46037                      DST #: 2

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

Printed: 2012.03.15 @ 13:54:36





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46037

**DST#: 2**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 20:35:28

## GENERAL INFORMATION:

Formation: **KC"A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:12:28

Time Test Ended: 02:03:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3265.00 ft (KB) To 3290.00 ft (KB) (TVD)**

Reference Elevations: 2065.00 ft (KB)

Total Depth: 3290.00 ft (KB) (TVD)

2060.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753 Outside**

Press @ Run Depth: 33.92 psig @ 3269.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.11

End Date:

2012.03.12

Last Calib.:

2012.03.12

Start Time: 20:35:33

End Time:

02:03:27

Time On Btm:

2012.03.11 @ 22:11:28

Time Off Btm:

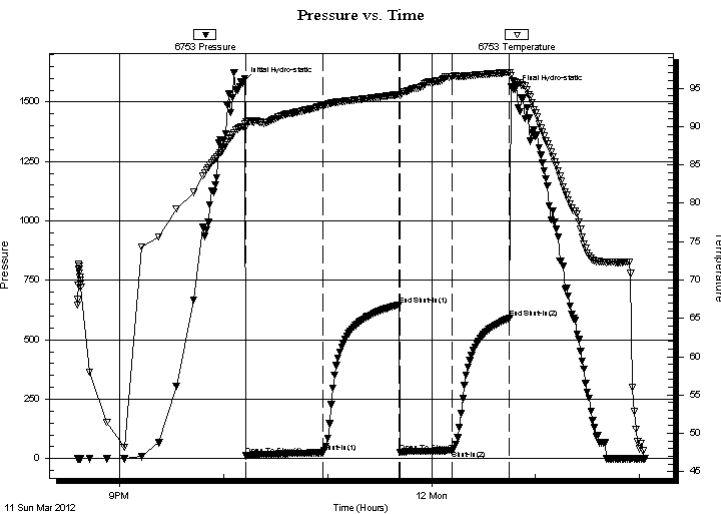
2012.03.12 @ 00:47:58

**TEST COMMENT:** IF-1 1/4" blow died back to 1" blow

ISI-No blow

FF-No blow

FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1586.42	89.99	Initial Hydro-static
1	12.16	89.94	Open To Flow (1)
46	25.16	92.74	Shut-In(1)
90	646.90	94.17	End Shut-In(1)
91	27.94	94.03	Open To Flow (2)
121	33.92	96.53	Shut-In(2)
154	591.27	97.06	End Shut-In(2)
157	1552.53	95.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil spotted mud	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46037

**DST#: 2**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 20:35:28

## Tool Information

Drill Pipe:	Length: 3143.00 ft	Diameter: 3.80 inches	Volume: 44.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3265.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	45.00 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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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	4.00			3260.00	20.00 Bottom Of Top Packer
Packer	5.00			3265.00	
Stubb	1.00			3266.00	
Perforations	3.00			3269.00	
Recorder	0.00	8319	Inside	3269.00	
Recorder	0.00	6753	Outside	3269.00	
Perforations	18.00			3287.00	
Bullnose	3.00			3290.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46037

**DST#: 2**

ATTN: Richard Bell

Test Start: 2012.03.11 @ 20:35:28

## 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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil spotted mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

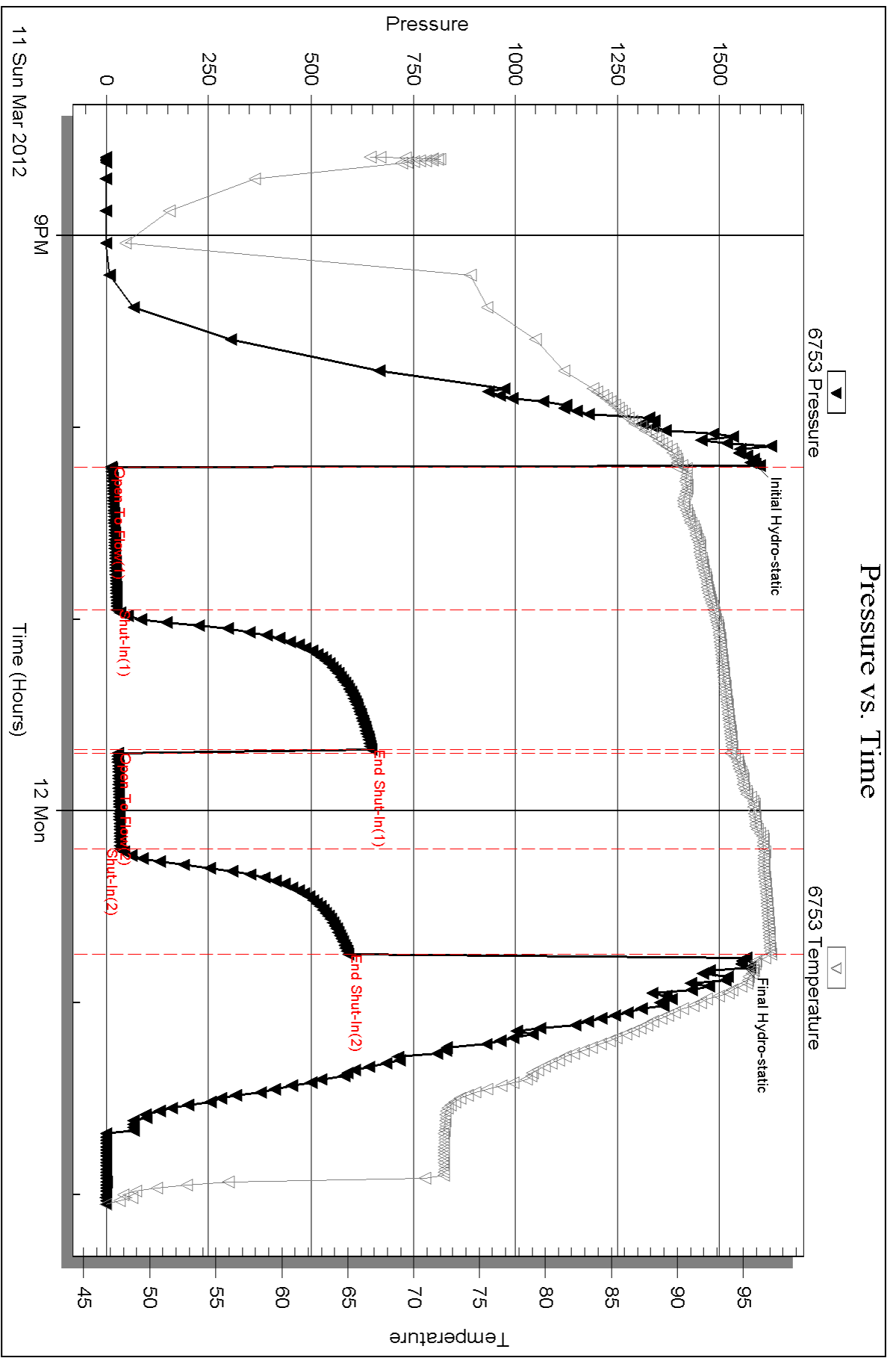
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



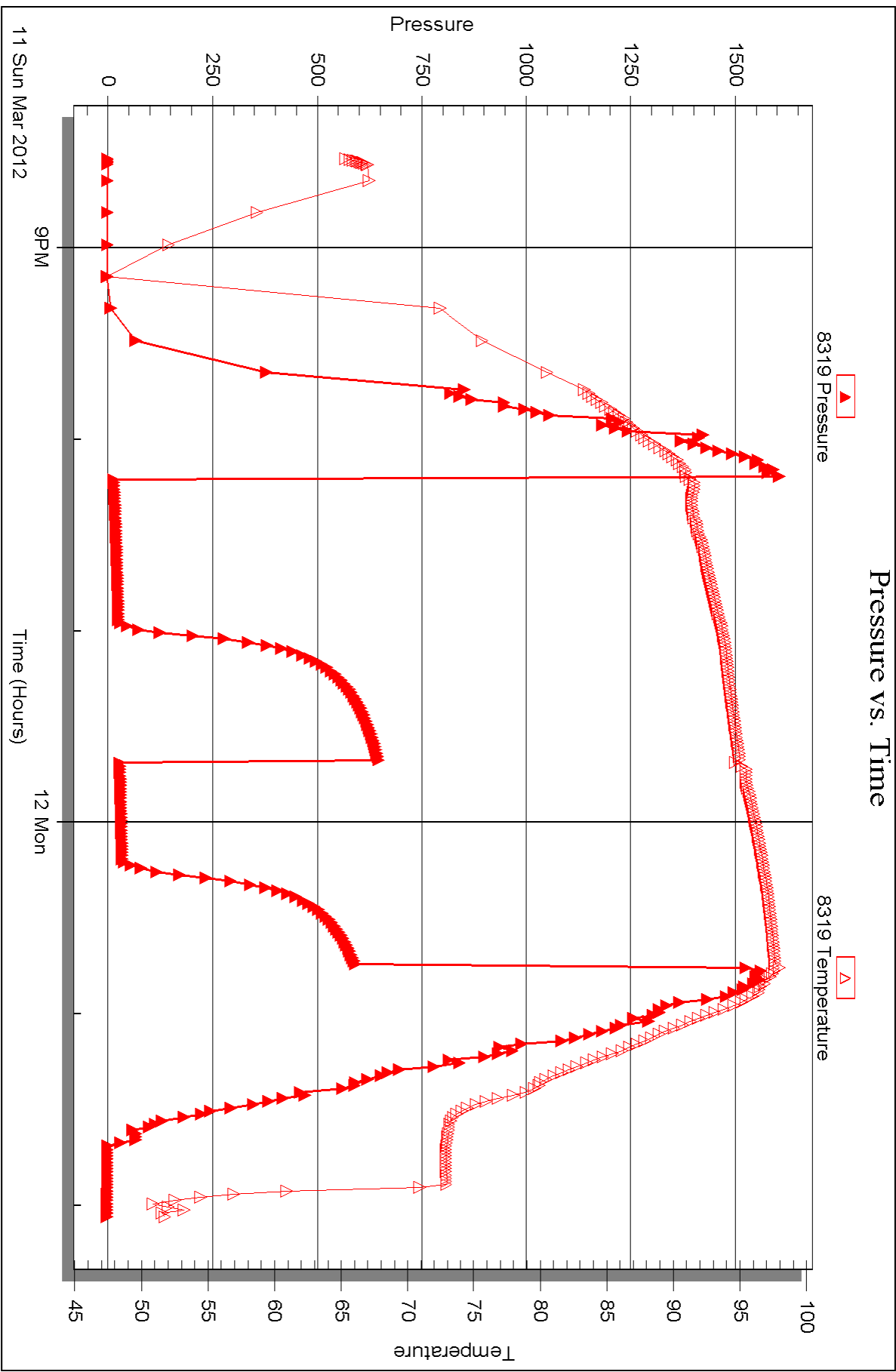
Serial #: 8319

Inside

Baird Oil Company, LLC

Gasper #1-7

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

### **Gasper #1-7**

#### **7-7s-19w Rooks, KS**

Start Date: 2012.03.12 @ 08:30:51

End Date: 2012.03.12 @ 12:52:21

Job Ticket #: 46038                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.15 @ 13:53:40



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46038

**DST#: 3**

ATTN: Richard Bell

Test Start: 2012.03.12 @ 08:30:51

## GENERAL INFORMATION:

Formation: **KC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:01:21

Time Test Ended: 12:52:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3319.00 ft (KB) To 3340.00 ft (KB) (TVD)**

Reference Elevations: 2065.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

2060.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753 Outside**

Press @ Run Depth: 11.28 psig @ 3323.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.12

End Date: 2012.03.12

Last Calib.: 2012.03.12

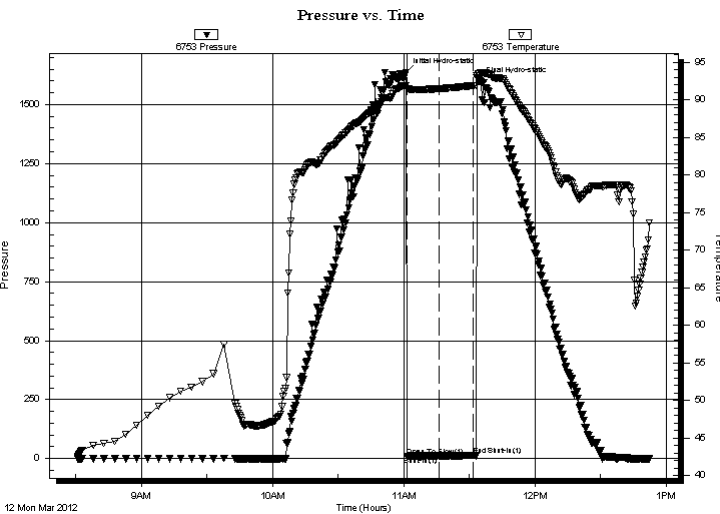
Start Time: 08:30:56

End Time: 12:52:20

Time On Btm: 2012.03.12 @ 11:00:51

Time Off Btm: 2012.03.12 @ 11:34:21

TEST COMMENT: IF-weak surface blow died in 4 min  
ISI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.65	91.84	Initial Hydro-static
1	11.08	91.40	Open To Flow (1)
15	11.28	91.47	Shut-In(1)
31	13.35	91.89	End Shut-In(1)
34	1599.41	93.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46038

**DST#: 3**

ATTN: Richard Bell

Test Start: 2012.03.12 @ 08:30:51

**Tool Information**

Drill Pipe:	Length: 3200.00 ft	Diameter: 3.80 inches	Volume: 44.89 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3319.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	41.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3300.00	
Shut In Tool	5.00			3305.00	
Hydraulic tool	5.00			3310.00	
Packer	4.00			3314.00	20.00 Bottom Of Top Packer
Packer	5.00			3319.00	
Stubb	1.00			3320.00	
Perforations	3.00			3323.00	
Recorder	0.00	8319	Inside	3323.00	
Recorder	0.00	6753	Outside	3323.00	
Perforations	14.00			3337.00	
Bullnose	3.00			3340.00	21.00 Bottom Packers & Anchor

**Total Tool Length: 41.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46038

**DST#: 3**

ATTN: Richard Bell

Test Start: 2012.03.12 @ 08:30:51

## 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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

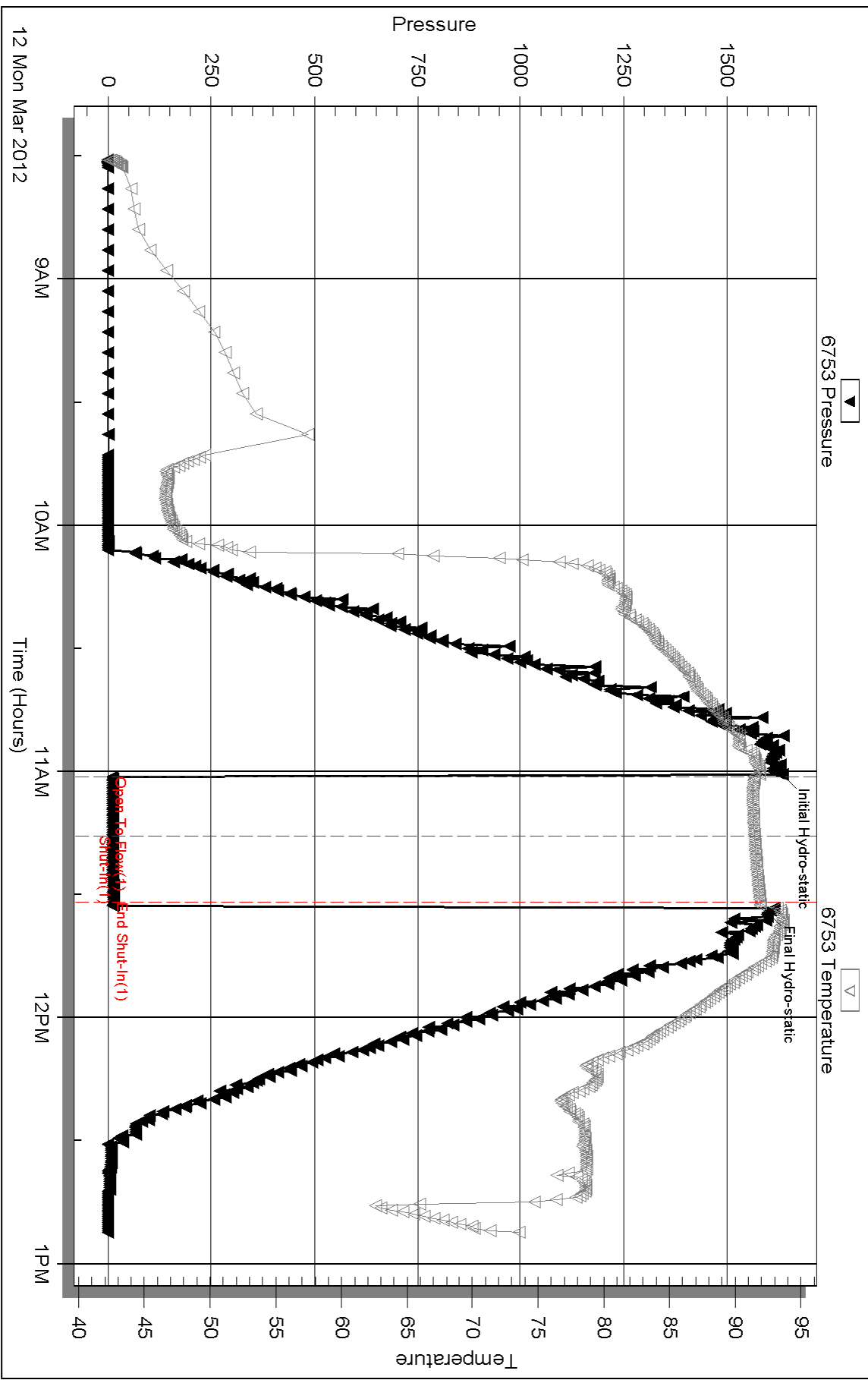
Serial #: 6753

Outside Baird Oil Company, LLC

Gasper #1-7

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46038

Printed: 2012.03.15 @ 13:53:43

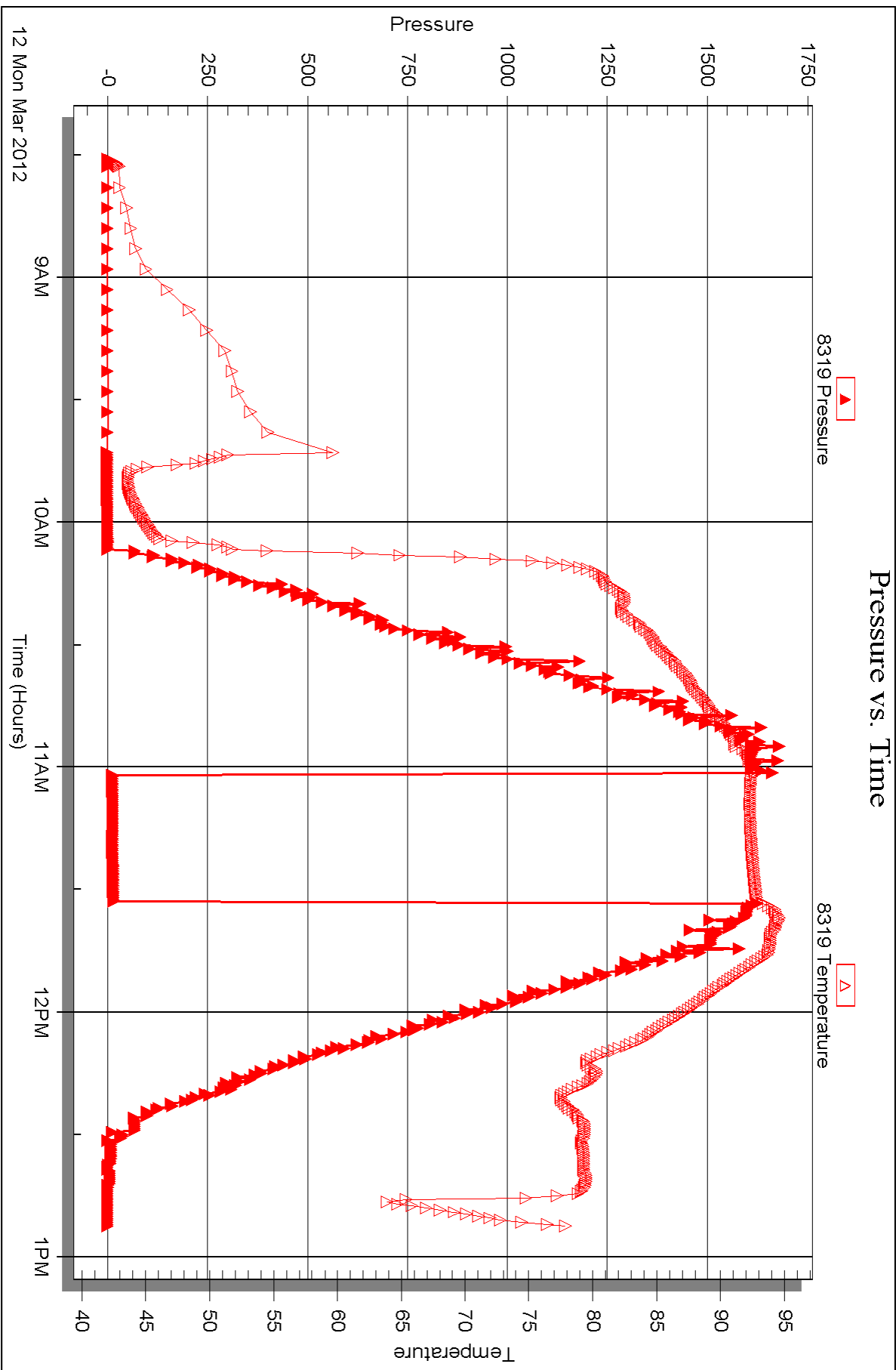
Serial #: 8319

Inside

Baird Oil Company, LLC

Gasper #1-7

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

### **Gasper #1-7**

#### **7-7s-19w Rooks, KS**

Start Date: 2012.03.13 @ 04:04:27

End Date: 2012.03.13 @ 08:37:27

Job Ticket #: 46039                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.15 @ 13:52:39



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46039

**DST#: 4**

ATTN: Richard Bell

Test Start: 2012.03.13 @ 04:04:27

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:02:27

Time Test Ended: 08:37:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3522.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Reference Elevations: 2065.00 ft (KB)

Total Depth: 3525.00 ft (KB) (TVD)

2060.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753 Outside**

Press @ Run Depth: 16.52 psig @ 3526.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.13

End Date:

2012.03.13

Last Calib.:

2012.03.13

Start Time: 04:04:32

End Time:

08:37:26

Time On Btm:

2012.03.13 @ 06:00:27

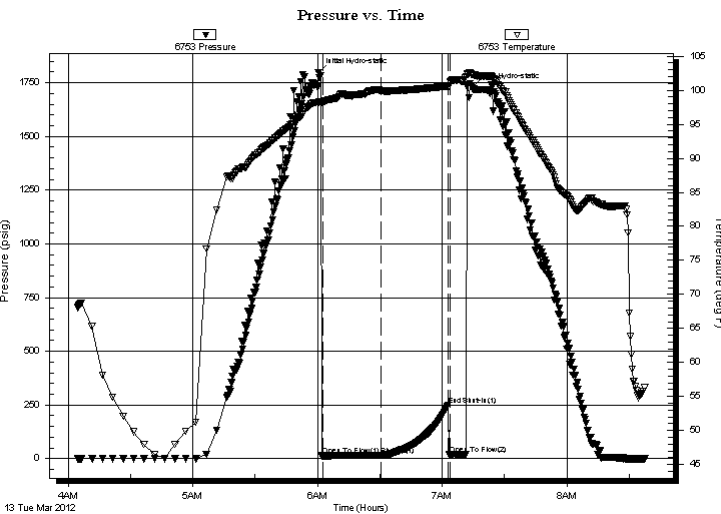
Time Off Btm:

2012.03.13 @ 07:14:27

TEST COMMENT: IF-3/4" blow died back to 1/2"

ISI-No blow

FF-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.90	98.18	Initial Hydro-static
2	13.91	98.29	Open To Flow (1)
30	16.52	99.97	Shut-In(1)
63	250.40	100.64	End Shut-In(1)
64	19.46	101.20	Open To Flow (2)
74	1725.03	102.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 10%O 90%M	0.02

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46039

**DST#: 4**

ATTN: Richard Bell

Test Start: 2012.03.13 @ 04:04:27

## Tool Information

Drill Pipe:	Length: 3393.00 ft	Diameter: 3.80 inches	Volume: 47.59 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	48000.00 lb
Drill Pipe Above KB:	11.00 ft			Final	48000.00 lb
Depth to Top Packer:	3522.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	33.00 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			3503.00	
Shut In Tool	5.00			3508.00	
Hydraulic tool	5.00			3513.00	
Packer	4.00			3517.00	20.00 Bottom Of Top Packer
Packer	5.00			3522.00	
Stubb	1.00			3523.00	
Perforations	3.00			3526.00	
Recorder	0.00	8319	Inside	3526.00	
Recorder	0.00	6753	Outside	3526.00	
Perforations	6.00			3532.00	
Bullnose	3.00			3535.00	13.00 Bottom Packers & Anchor

**Total Tool Length: 33.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company, LLC

**7-7s-19w Rooks, KS**

PO Box 428  
Logan KS 67646

**Gasper #1-7**

Job Ticket: 46039

**DST#: 4**

ATTN: Richard Bell

Test Start: 2012.03.13 @ 04:04:27

## 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: 46.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 10%O 90%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

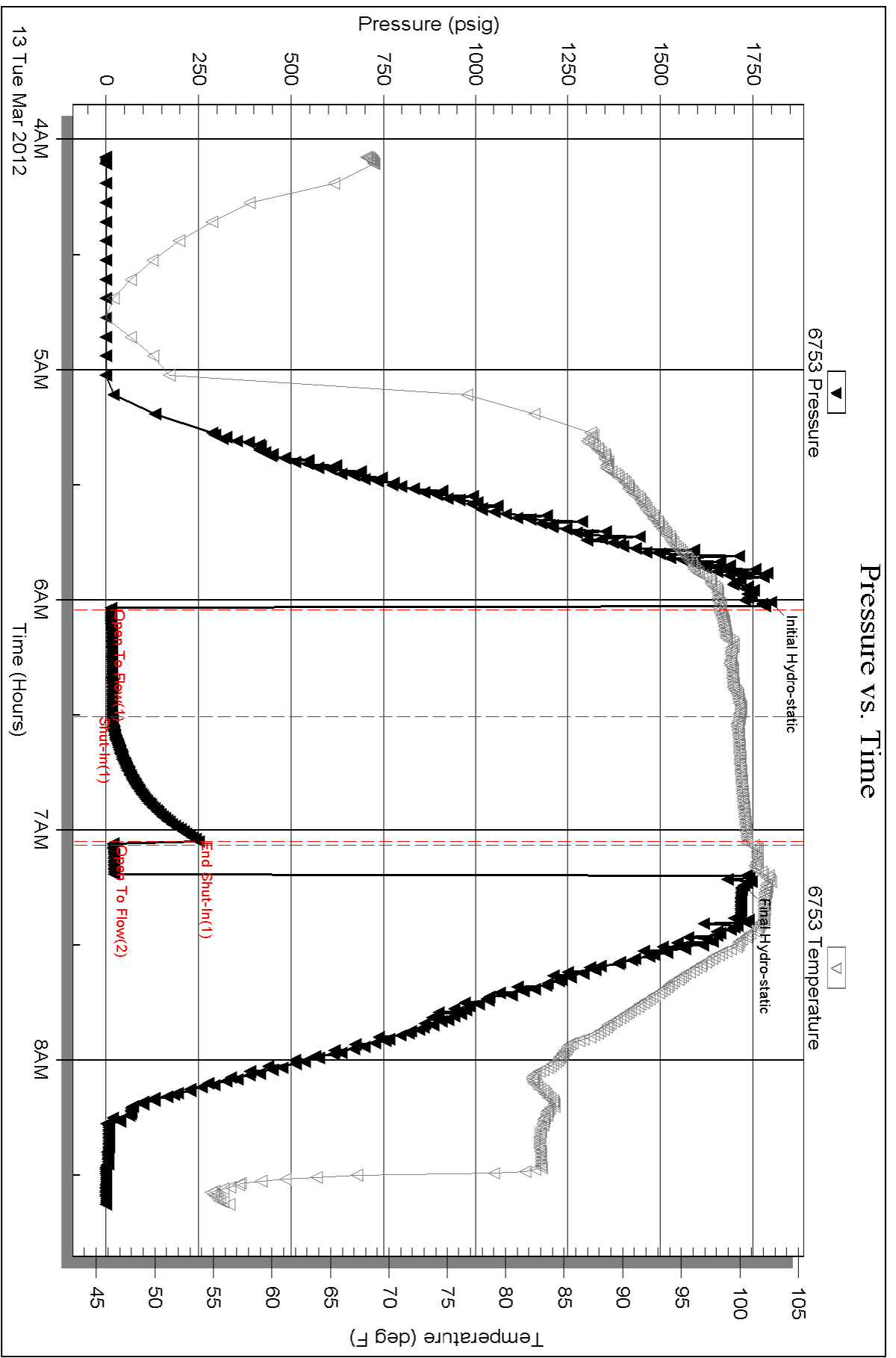
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



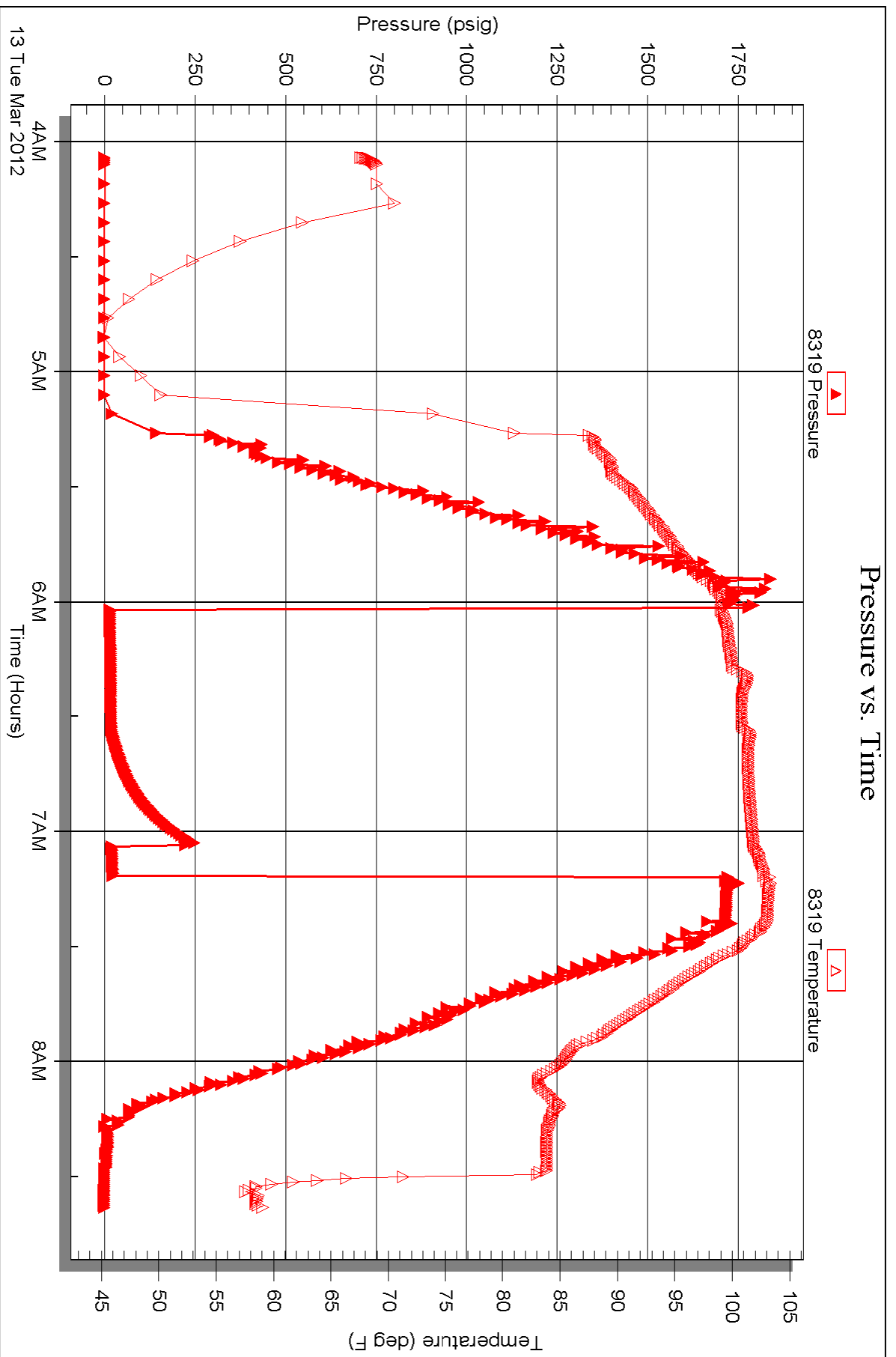
Serial #: 8319

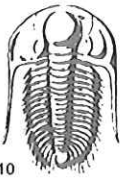
Inside

Baird Oil Company, LLC

Gasper #1-7

DST Test Number: 4





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 14 2012

## Test Ticket

NO. 46036

4/10

BY: \_\_\_\_\_

Well Name & No. Gasper #1-7 Test No. 1 Date 3/14/12  
 Company Baird Oil Company, LLC Elevation 2065 KB 2060 GL  
 Address 113 W Main PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Richard Bell Rig W W #8  
 Location: Sec. 7 Twp. 7s Rge. 19w Co. ROOKS State KS

Interval Tested 3231 - 3265 Zone Tested Toronto  
 Anchor Length 34 Drill Pipe Run 3112 Mud Wt. 8.7  
 Top Packer Depth 3226 Drill Collars Run 120 Vis 69  
 Bottom Packer Depth 3231 Wt. Pipe Run --- WL 6.0  
 Total Depth 3265 Chlorides 4000 ppm System LCM ---  
 Blow Description FF - 2 in blow died back to 1 3/4  
FSI - No blow  
FF - Very weak surface blow died in 12 min  
FSI - No blow

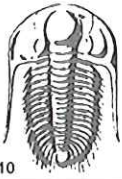
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>VSOCM</u>		<u>5</u>		<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1592  Test 1125 T-On Location 8:45  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 9:05  
 (C) First Final Flow 17  Safety Joint \_\_\_\_\_ T-Open 10:40  
 (D) Initial Shut-In 747  Circ Sub \_\_\_\_\_ T-Pulled 13:40  
 (E) Second Initial Flow 20  Hourly Standby \_\_\_\_\_ T-Out 15:05  
 (F) Second Final Flow 24  Mileage 58x2 110 RT 1102.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 689  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1532  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1287.40  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1287.40

Approved By \_\_\_\_\_ Our Representative But D...

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 14 2012

## Test Ticket

NO. 46037

BY: \_\_\_\_\_

Well Name & No. Gasper #1-7 Test No. 2 Date 3/11/12  
 Company Baird Oil Company, LLC Elevation 2065 KB 2060 GL  
 Address 163 W Main PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Richard Bell Rig Ww #8  
 Location: Sec. 7 Twp. 7 Rge. 19n Co. Rooks State KS

Interval Tested 3265 - 3290 Zone Tested KL "A"  
 Anchor Length 25 Drill Pipe Run 3143 Mud Wt. 8.7  
 Top Packer Depth 3260 Drill Collars Run 120 Vis 69  
 Bottom Packer Depth 3265 Wt. Pipe Run — WL 6.0  
 Total Depth 3290 Chlorides 1,000 ppm System LCM —  
 Blow Description IF - 1 1/4 in died back to 1 in  
ISF - No blow  
FF - N b  
FSF - N b

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>oil spotted mud</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 5 BHT 97 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

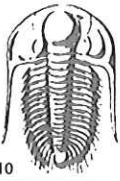
(A) Initial Hydrostatic 1,586  Test 1125 T-On Location 20:20  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 20:35  
 (C) First Final Flow 25  Safety Joint \_\_\_\_\_ T-Open 22:10  
 (D) Initial Shut-In 647  Circ Sub \_\_\_\_\_ T-Pulled 140  
 (E) Second Initial Flow 27  Hourly Standby \_\_\_\_\_ T-Out 2:00  
 (F) Second Final Flow 34  Mileage 58x2 162.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 591  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,553  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total Ø  
 Day Standby \_\_\_\_\_ Total 1287.40  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1287.40

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

Approved By \_\_\_\_\_ Our Representative Brian Duhon

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 14 2012

## Test Ticket

NO. 46038

4/10

BY: \_\_\_\_\_

Well Name & No. Gasper # L-7 Test No. 3 Date 3/12/12  
 Company Baird Oil Company, LLC Elevation 2065 KB 2060 GL  
 Address 113 W Main PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Richard Bell Rig Ww #8  
 Location: Sec. 7 Twp. 7 Rge. 19w Co. Rooks State KS

Interval Tested 3319 - 3340 Zone Tested KC"D"  
 Anchor Length 21 Drill Pipe Run 3200 Mud Wt. 8.7  
 Top Packer Depth 3314 Drill Collars Run 120 Vis 69  
 Bottom Packer Depth 3319 Wt. Pipe Run — WL 6.0  
 Total Depth 3340 Chlorides 4,000 ppm System LCM —  
 Blow Description FF - weak surface blow died in 4 min  
FSF - No blow  
FF -  
FSF -

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud</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

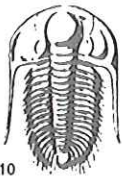
Rec Total 1 BHT 92 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1636  Test 1125' T-On Location 8:30  
 (B) First Initial Flow 11  Jars \_\_\_\_\_ T-Started 8:30  
 (C) First Final Flow 11  Safety Joint \_\_\_\_\_ T-Open 10:35  
 (D) Initial Shut-In 13  Circ Sub \_\_\_\_\_ T-Pulled 11:05  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 12:30  
 (F) Second Final Flow \_\_\_\_\_  Mileage 58x2 1122.40 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1599  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 15  Day Standby \_\_\_\_\_ Total 1287.40  
 Final Flow —  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In — Sub Total 1287.40

Approved By \_\_\_\_\_

Our Representative Ben D...

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 14 2012

## Test Ticket

NO. 46039

BY: \_\_\_\_\_

Well Name & No. Gasper #1-7 Test No. 4 Date 3/13/12  
 Company Baird Oil Company, LLC Elevation 2065 KB 2080 GL  
 Address 113 W Main PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Richard Bell Rig WW #8  
 Location: Sec. 7 Twp. 7 Rge. 19W Co. Rooks State KS

Interval Tested 3522 - 3535 Zone Tested Marmaton  
 Anchor Length 13 Drill Pipe Run 3393 Mud Wt. 9.1  
 Top Packer Depth 3517 Drill Collars Run 120 Vis 46  
 Bottom Packer Depth 3522 Wt. Pipe Run — WL 6.4  
 Total Depth 3535 Chlorides 2,100 ppm System LCM —  
 Blow Description RF - 3/4 in blow died back to 1/2 in blow  
2SF - No blow  
FF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>SOCM</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 5 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,798  Test 1125 T-On Location 3:00  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 4:05  
 (C) First Final Flow 17  Safety Joint \_\_\_\_\_ T-Open 6:05  
 (D) Initial Shut-In 250  Circ Sub \_\_\_\_\_ T-Pulled 7:15  
 (E) Second Initial Flow 19  Hourly Standby \_\_\_\_\_ T-Out 8:45  
 (F) Second Final Flow \_\_\_\_\_  Mileage 58 x 4 = 324.80 Comments brick + loaded tools  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,725  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1449.80  
 Final Flow 10  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_ Sub Total 1449.80

Approved By \_\_\_\_\_ Our Representative But D...

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# SWIFT



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300

## Invoice

DATE	INVOICE #
3/8/2012	21318

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-7	Gasper	Rooks	WW Drilling #8	Oil	Development	Surface	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	60	Miles	6.00	360.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	1,000.00	1,000.00
290	D-Air	1	Gallon(s)	35.00	35.00T
325	Standard Cement	150	Sacks	13.50	2,025.00T
278	Calcium Chloride	4	Sack(s)	40.00	160.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
581D	Service Charge Cement	150	Sacks	2.00	300.00
583D	Drayage	441.6	Ton Miles	1.00	441.60
	Subtotal				4,396.60
	Sales Tax Rooks County			6.30%	144.59
	<p>R3/13/2012</p> <p>P3/13/2012</p> <p>Gasper 190402 4541.19</p> <p>Gasper 1-7- Pump charge, cement 2 other misc used to cement Surface casing</p>				

**We Appreciate Your Business!**

**Total**

\$4,541.19



CHARGE TO: Barro Oil  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET No 21318

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>HKS</u>	WELL/PROJECT NO <u>1-7</u>	LEASE <u>Gibson</u>	COUNTY/PARISH <u>Boone</u>	STATE <u>KS</u>	CITY	DATE <u>03-08-12</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>WLD DRG # 8</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Wesker</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>Develop</u>	JOB PURPOSE <u>SURFACE</u>	WELL PERMIT NO. <u>KS-163-21043</u>	WELL LOCATION <u>5777219</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #112	60	M			6.00	360.00
576.5					Pump Service	1	EA			1000.00	1000.00
090					Drill	1	KM			35.00	35.00
325					STD	150	SH			13.50	2025.00
078					CALCIUM CHLORIDE	4	SR			40.00	160.00
079					BENTONITE GEL	3	SR			25.00	75.00
581					SERVICE CHG CMT	150	SR			2.00	300.00
583					Drayage	441.6	Tm			1.00	441.60

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE/INDEMNITY**, and **LIMITED WARRANTY** provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
 X [Signature]  
 DATE SIGNED 03-08-12 TIME SIGNED 1:00  A.M.  P.M.

**REMIT PAYMENT TO:**  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4396	60
TOTAL	4541	1

SWIFT OPERATOR [Signature] APPROVAL  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 Thank You



**JOB LOG**

**SWIFT Services, Inc.**

DATE 03-08-12 PAGE NO. 1

CUSTOMER BAIRD OIL WELL NO. 1-7 LEASE GASPER JOB TYPE SURFACE TICKET NO. 21318

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ONLOCATION CMT: 150 STD 3/4" CC, 2% GEL
								RTD SET pipe LJ 7.00 8 5/8 24"
	1800							START CX
	1850							BREAK CIRC 4/24
	1900		3.0		-			H2O SPACE
			36.5		-			CMT
	1915		12.5		-			Disp
								<u>20 SUS TO PIT!</u>
								THANKYOU! DAVE, JOSH B. ROB

# SWIFT



Services, Inc.

P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



## Invoice

DATE	INVOICE #
3/13/2012	22025

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-7	Gasper	Rooks	WW Drilling	Oil	Development	PTA	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	60	Miles	6.00	360.00
576D-P	Pump Charge - PTA	1	Job	1,000.00	1,000.00
328-4	60/40 Pozmix (4% Gel)	205	Sacks	11.50	2,357.50T
290	D-Air	2	Gallon(s)	35.00	70.00T
410-8	8 5/8" Top Plug	1	Each	100.00	100.00T
581D	Service Charge Cement	205	Sacks	2.00	410.00
583D	Drayage	514.77	Ton Miles	1.00	514.77
	Subtotal				4,812.27
	Sales Tax Rooks County			6.30%	159.23

R3/19/2012

P3/19/2012

Gasper 190402 4976.50  
 Gasper 1-7 - Pump charge, cement  
 & other misc expenses used to  
 plug well

**We Appreciate Your Business!**

**Total**

\$4,971.50





CHARGE TO: BAIRD OIL  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET No 22025

PAGE 1 OF 1

SERVICE LOCATIONS: Ness City KS  
 WELL/PROJECT NO: 1-7 LEASE: G-ASPER COUNTY/PARISH: ROOKS STATE: KS CITY: Bourge DATE: 13 MAR 12 OWNER:  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: RIG NAME/NO.: SHIPPED:  DELIVERED TO: LOCATION ORDER NO.:  
 WELL TYPE: OIL WELL CATEGORY: uwy JOB PURPOSE: Development Pigs to Abandon WELL PERMIT NO.:  
 REFERRAL LOCATION: INVOICE INSTRUCTIONS: WELL LOCATION: 7-75-19W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	60	mi			6.00	360.00
576P					Pump Charge	1	ea			1000.00	1000.00
328-4					60/40 pozmix 40gal	205	ea			11.50	2357.50
99D					B-AIR	2	gal			35.00	70.00
581					Service charge	205	bl			2.00	410.00
583					Drillage	17159	lb		54.7	1.00	514.77
410					18P PLUGS	85	in		1.00	100.00	100.00

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  A.M.  P.M.

**REMIT PAYMENT TO:**  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 CUSTOMER DID NOT WISH TO RESPOND

UN-DECIDED DIS-AGREE

PAGE TOTAL: 4812.2  
 TOTAL: 4971.5  
 900ks TAX 159.2  
 6.3%

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_  
 Thank You



JOB LOG

SWIFT Services, Inc.

DATE 13 MAR 12 PAGE NO.

CUSTOMER: Hard Oil WELL NO. 1-7 LEASE GASPER JOB TYPE Plug to Abandon TICKET NO. 22025

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								205 sks 60/40 Pozmix 4% gel
								ROTARY PLUS
								depth sks
								1620' 25
								970' 100
								265' 40
								40' 10
								RH - 30 sks
	2130							on loc TRK 114
	2204	4 3/4	6				200	1st plug @ 1620' 25 sks
	2335	4 3/4	23				200	2nd plug @ 970' 100 sks
	2305	4 3/4	10				200	3rd plug @ 265' 40 sks
MAR 14	0000		7					RH - 30 sks
	0010		3					4th plug @ 40 10 sks
								— 205 sks mixed —
	0015							wash up truck
								Rack up
	0050							job complete
								Thanks
								Rob, Dave & Blaine



API # 15-163-24013-00-00

GEOLOGICAL REPORT  
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.  
 LEASE Gasper # 1-7  
 FIELD Valley View North  
 LOCATION 2210' FSL + 1225' FWL  
 SEC 7 TWSP 7s RGE 19w  
 COUNTY Rooks STATE Kansas

ELEVATION  
 KB 2065  
 DF 2063  
 GL 2060  
 Depths Measured From  
 Log KB Drilling KB

CONTRACTOR WWD Drilling Rig # 8  
 SPUD 3-8-12 COMP 3-13-12  
 SAMPLES SAVED FROM 3000' TO R.T.D.

CASING  
 Surface 8 5/8" @ 213'  
 Production None

ELECTRIC LOGS  
Superior Well Services

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●			
Anhydrite	1603	1604	+ 461	+ 463			
Base Anhydrite	1634	1635	+ 430	+ 432			
Topeka	3029	3032	- 967	- 963			
Heebner	3233	3236	- 1171	- 1161			
Toronto	3256	3259	- 1194	- 1184			
Lansing	3272	3275	- 1210	- 1201			
Base Kansas City	3490	3493	- 1428	- 1413			
Marmaton	3517	3520	- 1455	- 1438			
Total Depth	3580	3582	- 1517	- 1535			

REFERENCE WELLS

A Brinkar Enterprises, LLC Gasper/Riffe # 7-1, 2511' FSL + 1900' FWL  
B Sec. 7-7s-19w  
C  
D

REMARKS

This well ran 9 feet lower on the Lansing top than the reference well. After reviewing the open hole log it was decided no further testing was warranted. The well was plugged and abandoned.

Richard B. Bell  
3-14-12

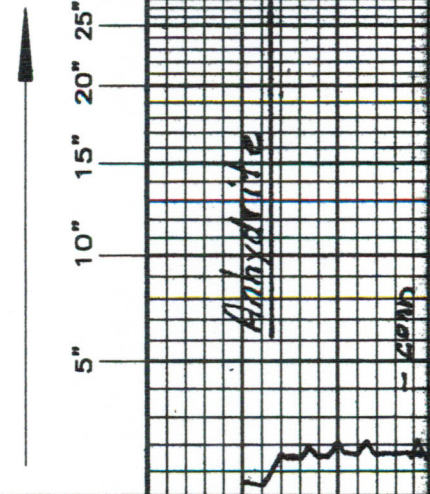
7502

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lime
- Chert
- Dolomite

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Decreases



DEPTH

1600

20

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710



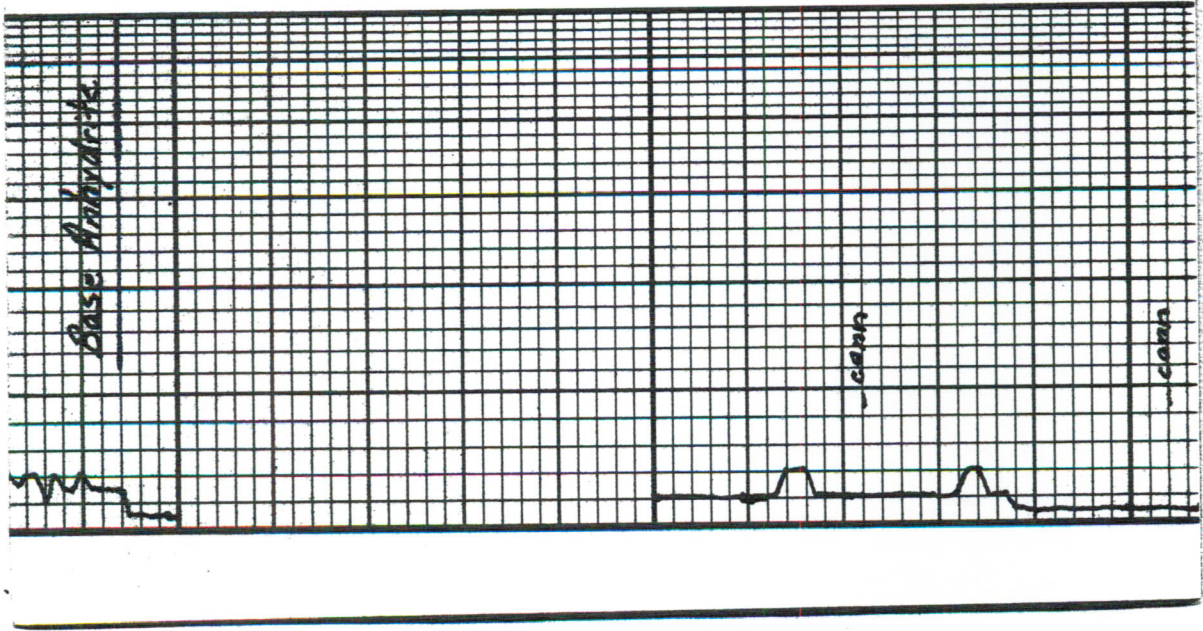


40

2800

20

40



Base Anhydrite

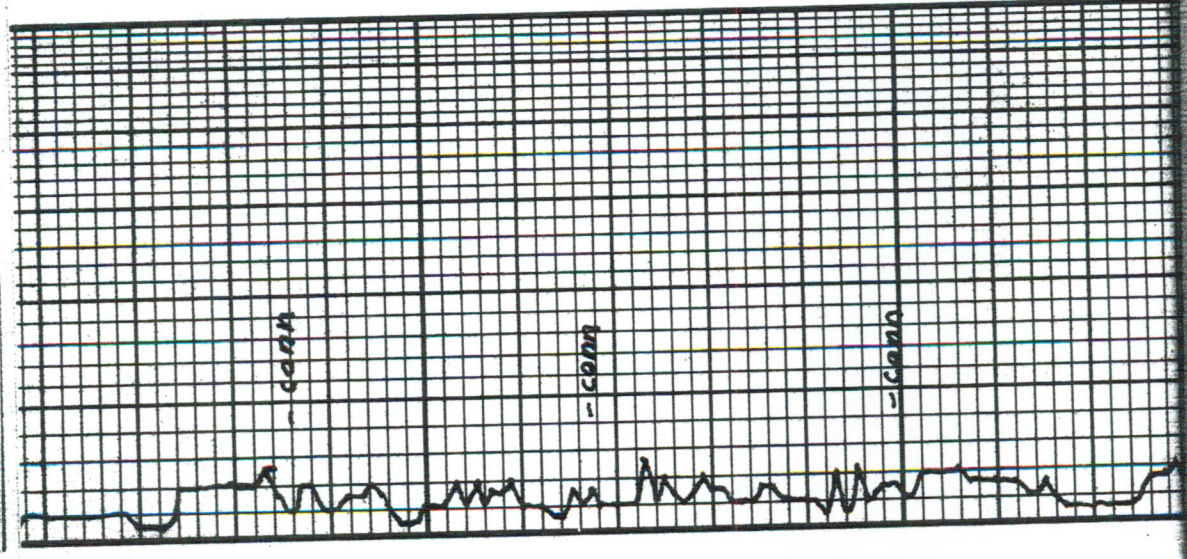
can

can





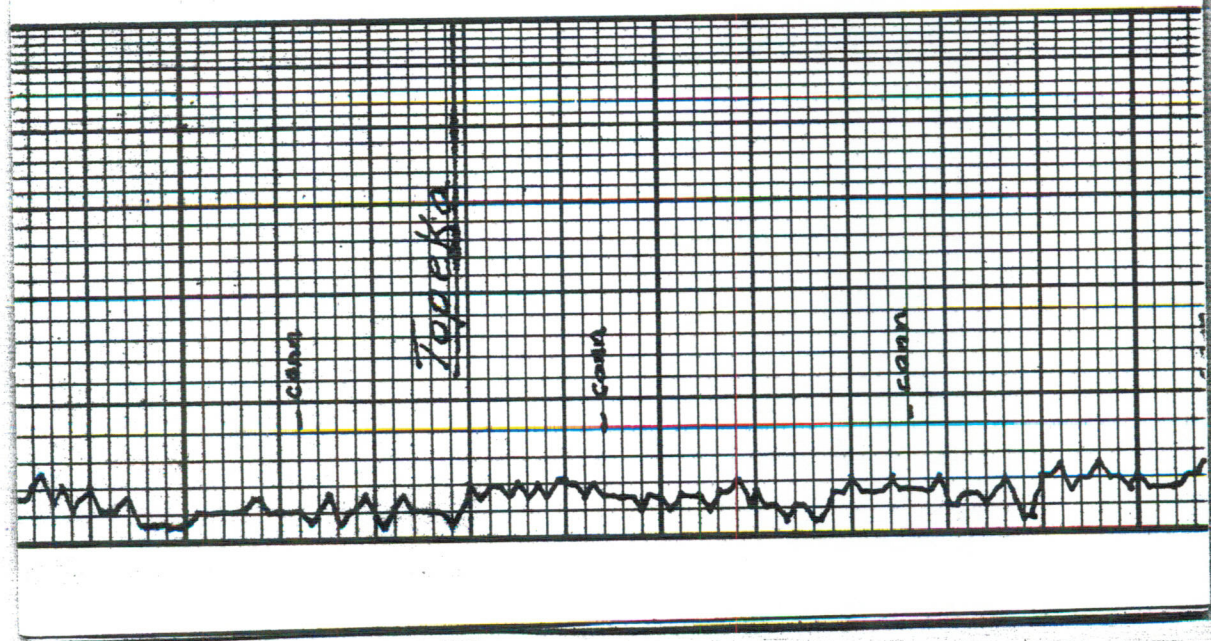
60      80      2900      20      40      60      80



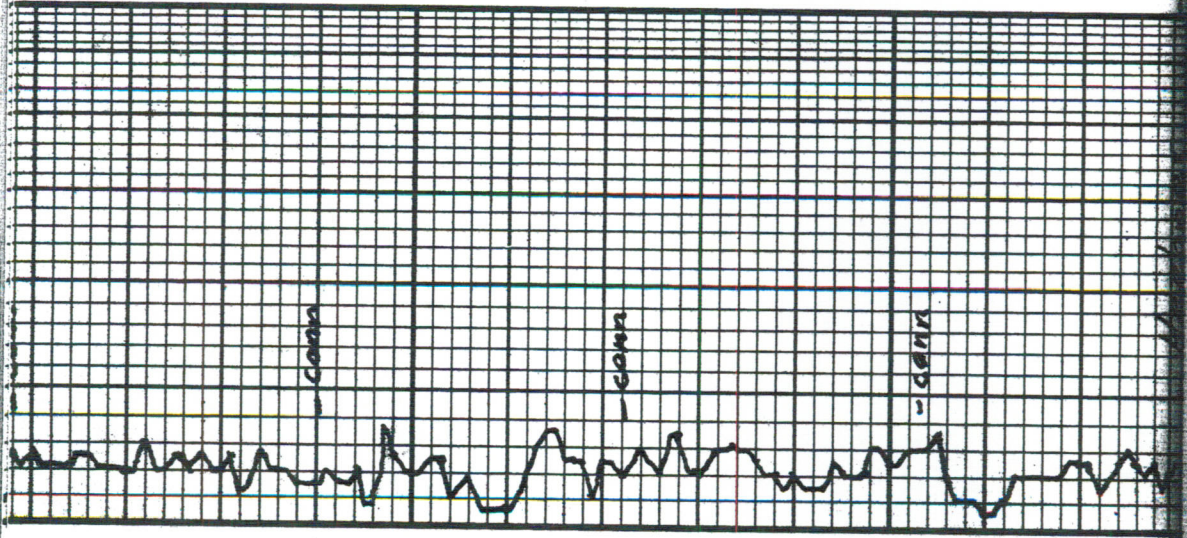


LS: m. gry mtd fslf Trch das. N.S.O.	
sh. lt. gry sly	
LS: gry mtd fslf das N.S.O.	
LS: gry fslf das	
sh. gry	
LS: wh. m. ch. fslf pr. in part of N.S.O.	
LS: wh. mtd fslf das N.S.O.	
sh. gry	
LS: wh. clay - fcln das N.S.O.	
sh. lt. gry	
LS: wh. m. gry ch. fcln - sli. Bif Tr. edge of Tr. bit F.O. No. other 2 gry mtd	
LS: m. gry mtd fslf das N.S.O.	
sh. lt. gry	
LS: wh. m. gry ch. fcln fslf das N.S.O.	
LS: wh. m. gry ch. fcln - fslf Tr. bit of N.S.O.	

3000  
20  
40  
60  
80  
3100







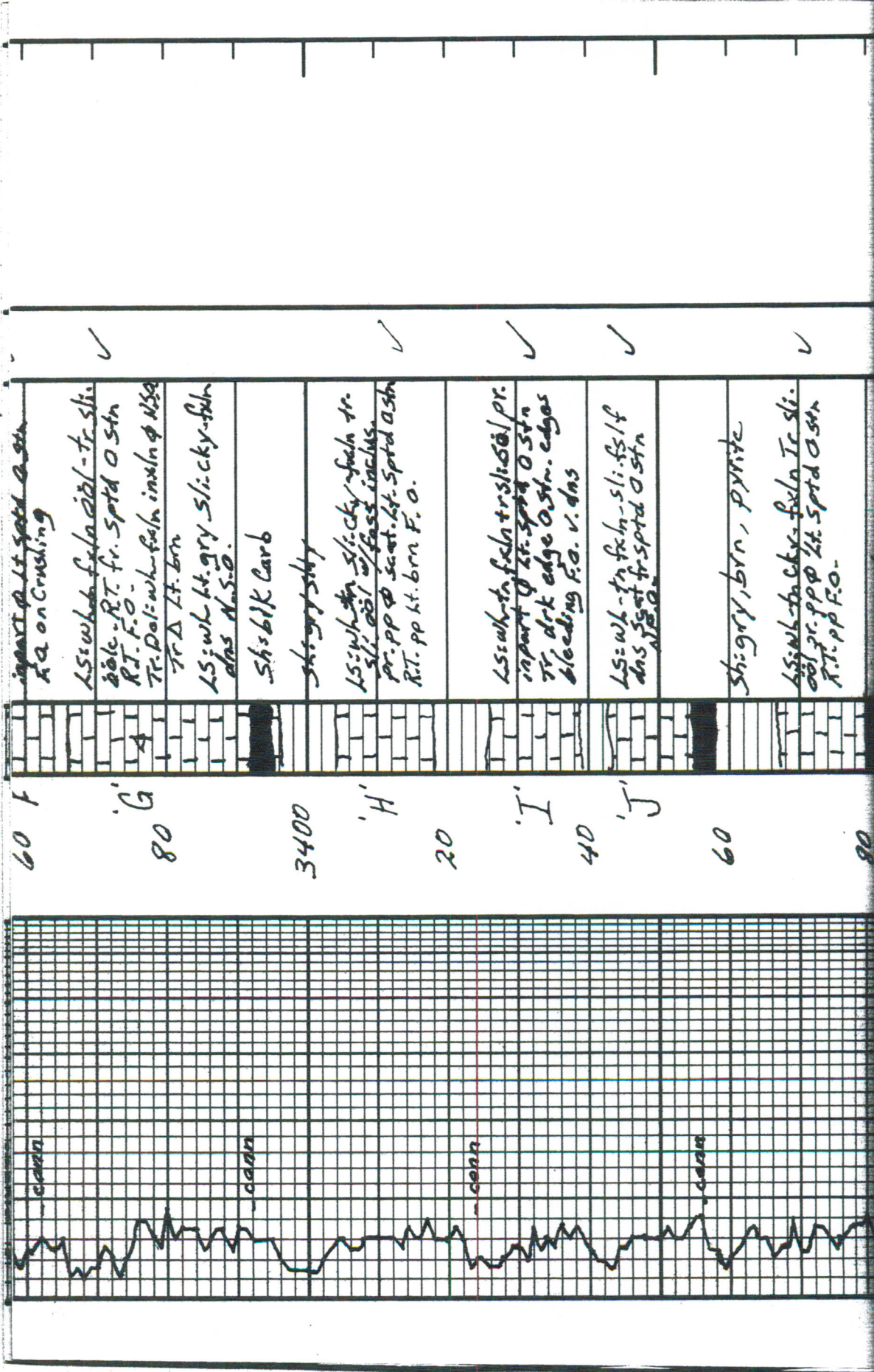
20	aa inc. cky	aa	aa inc. cky
40	Sh. blk carb	Sh. blk carb	Sh. blk carb
60	Stkstone: grey, brn	Stkstone: grey, brn	Stkstone: grey, brn
80	Sh. brn slty	Sh. brn slty	Sh. brn slty
3200	LS: wht tr. cky - fuln - Suc in xln & sl. pyrite spks N.S.O.	LS: wht tr. cky - fuln - Suc in xln & sl. pyrite spks N.S.O.	LS: wht tr. cky - fuln - Suc in xln & sl. pyrite spks N.S.O.
20	LS: wht cky - fuln - dms	LS: wht cky - fuln - dms	LS: wht cky - fuln - dms
	aa	aa	aa
	Tr: blk carb. sh.	Tr: blk carb. sh.	Tr: blk carb. sh.
	LS: wht n cky - fsh dms N.S.O.	LS: wht n cky - fsh dms N.S.O.	LS: wht n cky - fsh dms N.S.O.
	LS: wht tr. cky - fuln - sl. ool pp & blk thick & sta -	LS: wht tr. cky - fuln - sl. ool pp & blk thick & sta -	LS: wht tr. cky - fuln - sl. ool pp & blk thick & sta -
	blk Tary @ str Δ wh. to gry	blk Tary @ str Δ wh. to gry	blk Tary @ str Δ wh. to gry
	LS: wht tr. cky - fuln - dms	LS: wht tr. cky - fuln - dms	LS: wht tr. cky - fuln - dms
	LS: tn. gry mild fsh pp & - in part of fr o set. pp thick f.o. on crushing str. odor	LS: tn. gry mild fsh pp & - in part of fr o set. pp thick f.o. on crushing str. odor	LS: tn. gry mild fsh pp & - in part of fr o set. pp thick f.o. on crushing str. odor
	LS: wht tr. cky - fuln - dms str & adory from above	LS: wht tr. cky - fuln - dms str & adory from above	LS: wht tr. cky - fuln - dms str & adory from above
	LS: qa.	LS: qa.	LS: qa.

Strap 3268.46  
 Board 3267.89  
 Diff. .57  
 Tribolite Tasting  
 DST# / 3231 - 3265  
 45-45-45









in part of lt. sp. d. ash  
K.A. on crushing

LS: wh. to f. ch. d. l. - fr. sli.  
d. l. - R.T. fr. Sp. d. 0 str  
R.T. F.O.  
Tr. Dal: wh. f. ch. in s. l. n. & N.S. &  
Tr. A. Lt. brn

LS: wh. to lt. gry. Sli. cky. f. ch.  
d. l. N.S. & O.

Sh. b. l. K. Carb

sh. gry. sli. y

LS: wh. to sh. Sli. cky. f. ch. fr.  
sli. d. l. w/ f. ch. in ch. l. s.  
Pr. pp. & s. cat. Lt. Sp. d. ash  
R.T. pp. lt. brn F. O.

LS: wh. to f. ch. tr. sli. d. l. / pr.  
in part of Lt. Sp. d. 0 str  
Tr. drk. edge 0 str. - edges  
bleeding F. O. v. d. h. s

LS: wh. to f. ch. - sli. f. s. l. f  
d. h. s. sp. d. fr. sp. d. 0 str  
N.S. & O.

Sh. gry. brn. pyrite

LS: wh. to ch. x. f. ch. Tr. sli.  
ool. fr. pp. Lt. Sp. d. 0 str  
R.T. pp. F. O.

60 F

'G'  
80

3400

'H'  
20

'I'  
40

'J'  
60

90

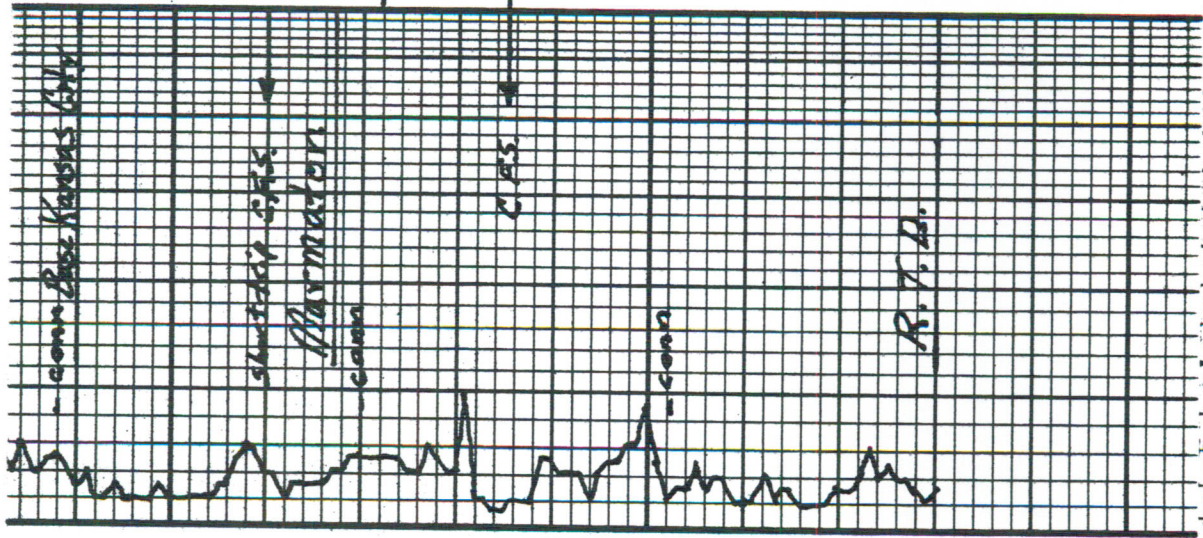
cenn

cenn

cenn

cenn





sh: grn ls: a. sh a.a.	sh: grn ls: a. sh a.a.
shly: brn. shx	shly: brn. shx
ls: whtn fxlndns N.S.O. sh: brn. shx gry	ls: whtn fxlndns N.S.O. sh: brn. shx gry
ls: whtn fxlndns N.S.O. R.T. Dtk brn O'str dwhth	ls: whtn fxlndns N.S.O. R.T. Dtk brn O'str dwhth
ls: sh fs 1/4 vgy $\phi$ impart $\phi$ dtk O'sat bleeding f.O.	ls: sh fs 1/4 vgy $\phi$ impart $\phi$ dtk O'sat bleeding f.O.
v. shly brn, grn	v. shly brn, grn
shly: gry, brn, grn	shly: gry, brn, grn
sh: gry, brn, grn T. D. gry	sh: gry, brn, grn T. D. gry

DST: #4 3522-3535  
 30-30-10-0  
 IF: 3/4" decr. to 1/2"  
 FF: No blow  
 Recovery: 5' O.C.M  
 10% O, 90% M  
 Hyd: 1798-1725#  
 FP: 14-17/19#  
 BHP: 250#  
 BHTemp: 101°F.