



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1189144  
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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

1189144

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

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

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

<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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Brungardt Oil and Leasing Inc.
Well Name	C.B. Beery 7
Doc ID	1189144

All Electric Logs Run

Micro
Dual Inductions
Comp. Neutron
Comp. Density



## DRILL STEM TEST REPORT

Prepared For: **Brugardt Oil & Leasing**

PO Box 871  
Russell, KS. 67665

ATTN: Chris Brungardt

### **CB Beery #7**

#### **34-12s-16w Ellis,KS**

Start Date: 2013.09.11 @ 06:00:00

End Date: 2013.09.11 @ 00:00:00

Job Ticket #: 54809                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.13 @ 09:44:25



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 1**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:05:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 70

**Interval: 3488.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: 2040.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

2035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8700 Outside**

Press @ Run Depth: 95.54 psig @ 3490.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.11

End Date:

2013.09.11

Last Calib.:

2013.09.11

Start Time: 06:00:00

End Time:

13:04:09

Time On Btm:

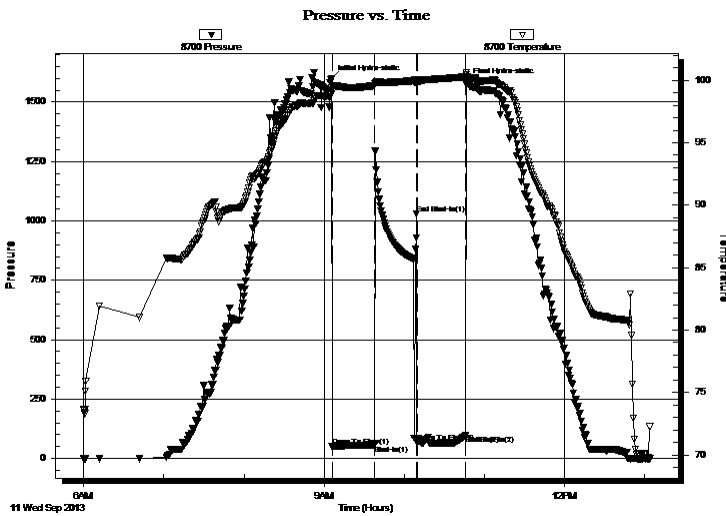
2013.09.11 @ 09:05:40

Time Off Btm:

2013.09.11 @ 10:46:39

**TEST COMMENT:** 45 - IFI - W.S.B. BUILT TO B.O.B. IN 20 1/2 MIN  
45 - ISI - NO B.B.  
45 - FF - W.S.B. BUILT TO B.O.B. IN 24 MIN.  
45 - FSI - W.S.B.B. - BUILT TO 1" IN 45 MIN.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.67	99.42	Initial Hydro-static
1	49.26	99.05	Open To Flow (1)
32	55.57	99.55	Shut-In(1)
64	1030.70	100.06	End Shut-In(1)
64	66.52	99.72	Open To Flow (2)
100	95.54	100.27	Shut-In(2)
101	96.41	100.27	End Shut-In(2)
101	1582.08	100.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud w / show of oil	0.18

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brugardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 1**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:00

## Tool Information

Drill Pipe:	Length: 3057.00 ft	Diameter: 3.80 inches	Volume: 42.88 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 473.00 ft	Diameter: 2.70 inches	Volume: 3.35 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 46.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	62.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3488.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3473.00	
Hydraulic tool	5.00			3478.00	
Packer	5.00			3483.00	20.00 Bottom Of Top Packer
Packer	5.00			3488.00	
Stubb	1.00			3489.00	
Perforations	1.00			3490.00	
Recorder	0.00	8700	Outside	3490.00	
Recorder	0.00	8360	Inside	3490.00	
Perforations	17.00			3507.00	
Bullnose	3.00			3510.00	22.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>42.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brugardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 1**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:00

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud w/ show of oil	0.177

Total Length: 25.00 ft      Total Volume: 0.177 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

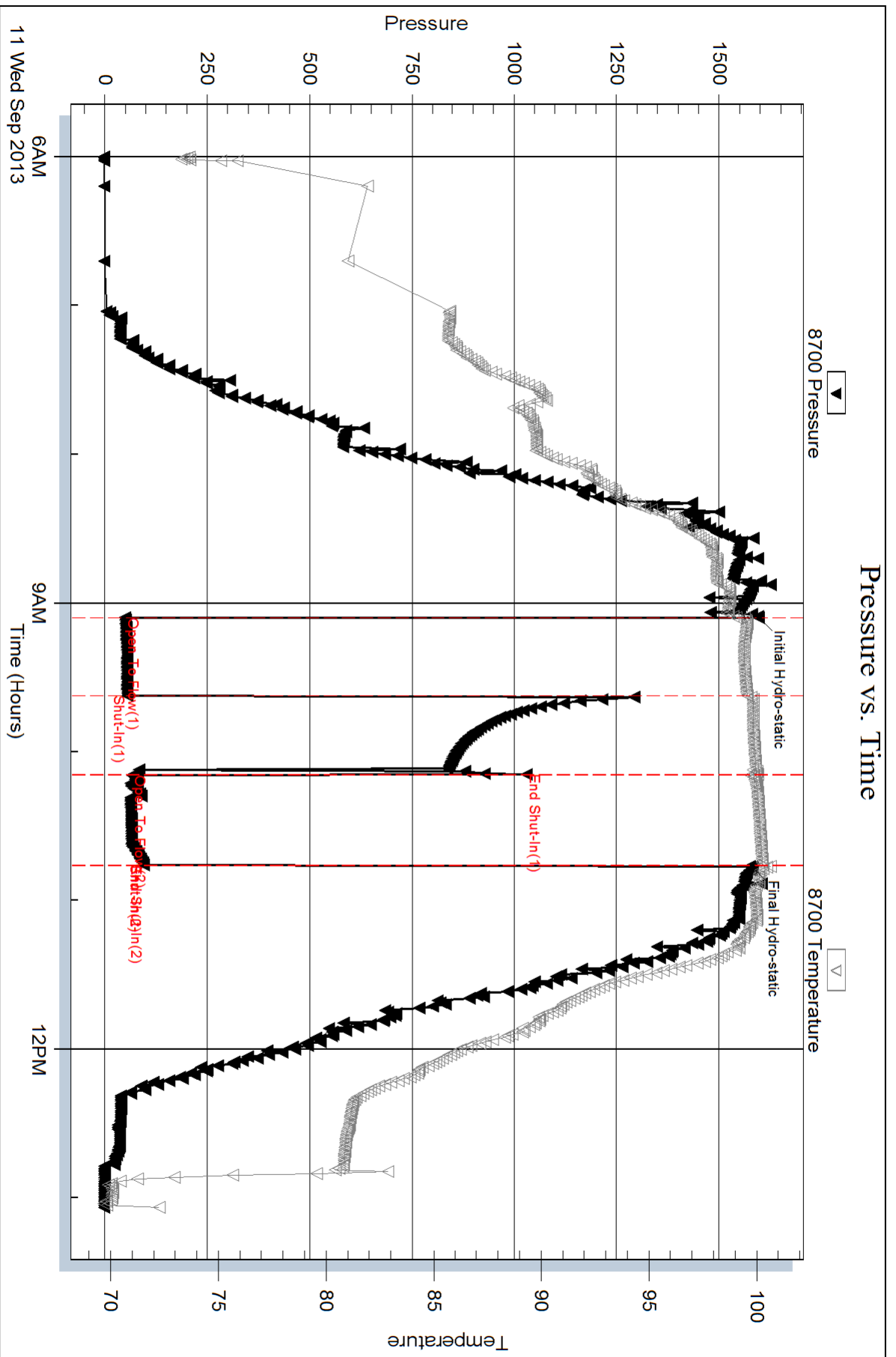
Recovery Comments:

Serial #: 8700

Outside Brugardt Oil & Leasing

CB Beery #7

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54809

Printed: 2013.09.13 @ 09:44:27





## DRILL STEM TEST REPORT

Prepared For: **Brugardt Oil & Leasing**

PO Box 871  
Russell, KS. 67665

ATTN: Chris Brugardt

### **CB Beery #7**

#### **34-12s-16w Ellis,KS**

Start Date: 2013.09.11 @ 06:00:05

End Date: 2013.09.11 @ 13:23:59

Job Ticket #: 54809                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.13 @ 09:43:52



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 2**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:05

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:05:30

Time Test Ended: 13:23:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 70

**Interval: 3488.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: 2040.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

2035.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8700 Outside**

Press @ Run Depth: 297.61 psig @ 3512.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.11

End Date:

2013.09.11

Last Calib.:

2013.09.11

Start Time:

06:00:05

End Time:

13:23:59

Time On Btm:

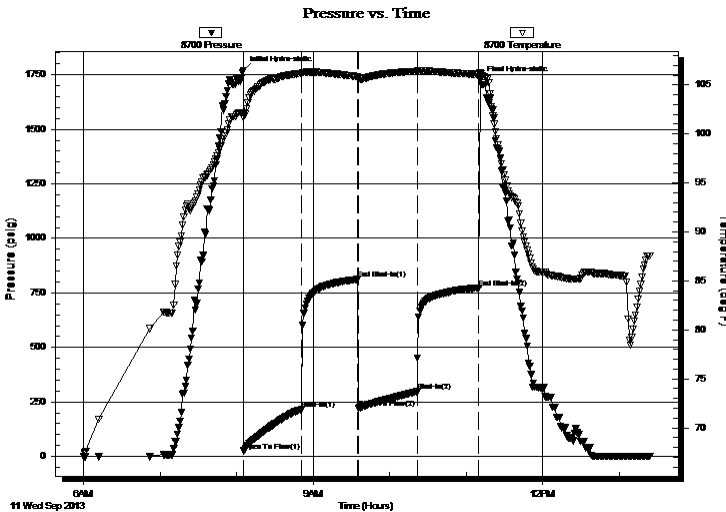
2013.09.11 @ 08:05:15

Time Off Btm:

2013.09.11 @ 11:10:45

**TEST COMMENT:** 45 - IF - W.S.B. BUILT TO B.O.B. IN 20 1/2 MIN.  
45 - ISI - NO B.B.  
45 - FF - W.S.B. BUILT TO B.O.B. IN 24 MIN.  
45 - FSI - W.S.B.B. BUILT TO 1" IN 45 MIN.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1770.23	102.20	Initial Hydro-static
1	25.78	101.66	Open To Flow (1)
46	215.47	106.18	Shut-In(1)
90	812.37	105.85	End Shut-In(1)
91	222.31	105.68	Open To Flow (2)
137	297.61	106.38	Shut-In(2)
185	773.49	106.07	End Shut-In(2)
186	1725.46	106.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
252.00	SOCMW 15% OIL 65% WATER 20% MUC	1.78
378.00	CLEAN OIL	3.77
126.00	GIP	1.77

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brungardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 2**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:05

### Tool Information

Drill Pipe:	Length: 3037.00 ft	Diameter: 3.80 inches	Volume: 42.60 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 473.00 ft	Diameter: 2.70 inches	Volume: 3.35 bbl	Weight set on Packer: 22000.00 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: 45.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 4600.00 lb
Depth to Top Packer:	3510.00 ft			Final 46500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3495.00	
Hydraulic tool	5.00			3500.00	
Packer	5.00			3505.00	20.00 Bottom Of Top Packer
Packer	5.00			3510.00	
Stubb	1.00			3511.00	
Perforations	1.00			3512.00	
Recorder	0.00	8700	Outside	3512.00	
Recorder	0.00	8369	Inside	3512.00	
Perforations	17.00			3529.00	
Bullnose	3.00			3532.00	22.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>42.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Brungardt Oil & Leasing

**34-12s-16w Ellis,KS**

PO Box 871  
Russell, KS. 67665

**CB Beery #7**

Job Ticket: 54809

**DST#: 2**

ATTN: Chris Brungardt

Test Start: 2013.09.11 @ 06:00:05

**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:

10000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
252.00	SOCMW 15% OIL 65%WATER 20%MUD	1.785
378.00	CLEAN OIL	3.767
126.00	GIP	1.767

Total Length: 756.00 ft      Total Volume: 7.319 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

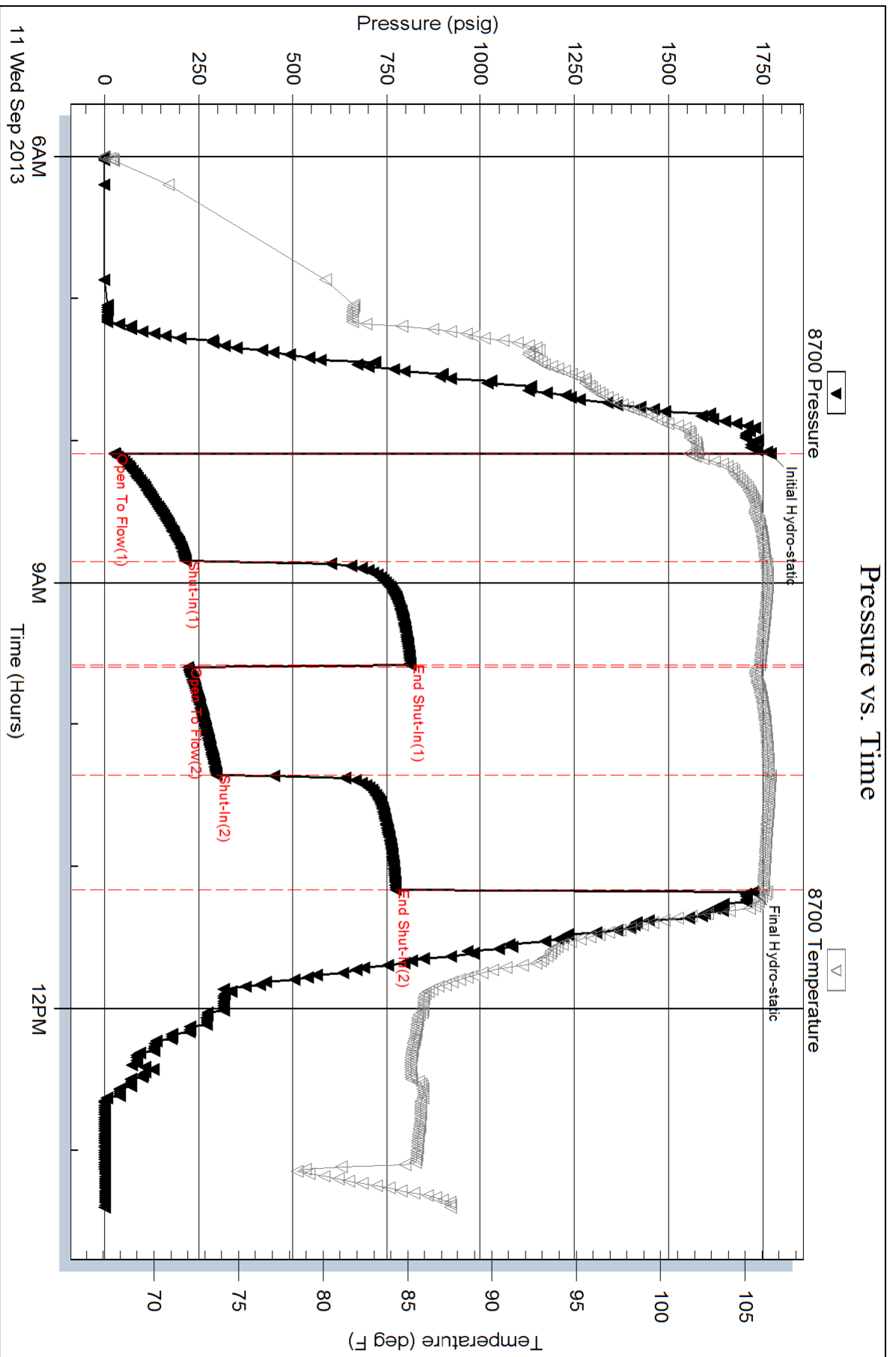
Recovery Comments:

Serial #: 8700

Outside Brugardt Oil & Leasing

CB Beery #7

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54809

Printed: 2013.09.13 @ 09:43:53

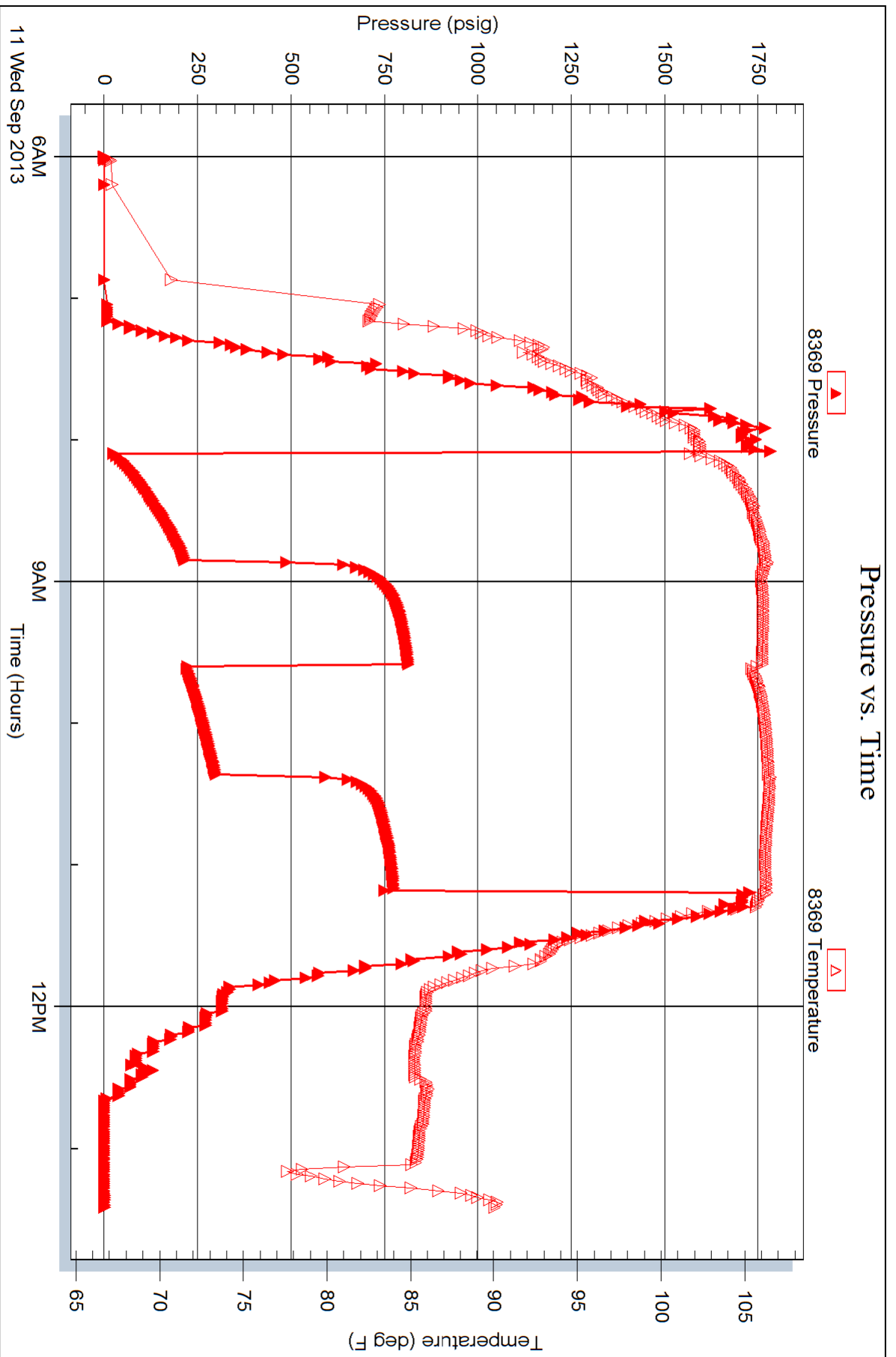
Serial #: 8369

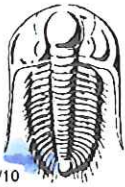
Inside

Brugardt Oil & Leasing

CB Beery #7

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54808

Well Name & No. C.B. Beery #7 Test No. 1 Date 9-9-13  
 Company Brundgart oil & Leasing company Elevation 2038 KB 2035 GL  
 Address P.O. Box 871 Russell KS. 67665  
 Co. Rep / Geo. Chris Brundgart Rig sheilds  
 Location: Sec. 34 Twp. 12S Rge. 16W Co. Ellis State KS.

Interval Tested 3,202-3,280 Zone Tested toronto "A-C"  
 Anchor Length 78 Drill Pipe Run 2827 Mud Wt. 9.0  
 Top Packer Depth 3,197 Drill Collars Run --- Vis 57  
 Bottom Packer Depth 3,202 Wt. Pipe Run 472 WL 7.8  
 Total Depth 3,280 Chlorides 7,200 ppm System LCM 2

Blow Description 30-I.F.-w.s.B. Built to 1/2 inch  
30-I.S.I.-No B.B.  
30-F.F.-Flushed tool - W.S.B. Built to 1/2 inch  
5-No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>mud</u>				
	<u>w/ slight show of oil.</u>				

Rec Total 25 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ 100 °F Chlorides \_\_\_\_\_ ppm

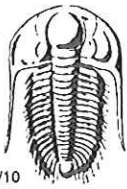
(A) Initial Hydrostatic 1,597  Test 1150 T-On Location 20:15:00  
 (B) First Initial Flow 49  Jars \_\_\_\_\_ T-Started 21:55:00  
 (C) First Final Flow 56  Safety Joint \_\_\_\_\_ T-Open 01:02  
 (D) Initial Shut-In 837  Circ Sub \_\_\_\_\_ T-Pulled 02:37  
 (E) Second Initial Flow 67  Hourly Standby \_\_\_\_\_ T-Out 05:00  
 (F) Second Final Flow 96  Mileage 30 mi R.T. 46.50 Comments Flushed tool on  
 (G) Final Shut-In No  Sampler \_\_\_\_\_ Final Flow  
 (H) Final Hydrostatic 1,582  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30 Sub Total 0  
 Initial Shut-In 30 Total 1196.50  
 Final Flow 30 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 5 Sub Total 1196.50

Approved By \_\_\_\_\_ Our Representative Robert Haney

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. 54809

Well Name & No. C.B. Beery #7 Test No. 2 Date 9-11-2013  
 Company Brundgart oil & Leasing Company Elevation 2040 KB 2035 GL  
 Address P.O. Box 871 Russell KS. 67665  
 Co. Rep / Geo. Chris Brundgart Rig Sheilds  
 Location: Sec. 34 Twp. T2 S Rge. 16W Co. Ellis State KS.

Interval Tested 3488-3510 Zone Tested ARK Buckle  
 Anchor Length 22 Drill Pipe Run 3057 Mud Wt. 9.0  
 Top Packer Depth ~~3057~~ 3483 Drill Collars Run --- Vis 60  
 Bottom Packer Depth ~~3057~~ 3488 Wt. Pipe Run 473 WL 8.0  
 Total Depth 3510 Chlorides 8,000 ppm System LCM 2

Blow Description 45 - Initial Flow - W.S.B. Built to B.O.B. IN 20 1/2 min.  
45 - Initial shut in - No. B.B.  
45 - Final Flow - W.S.B. Built to B.O.B. in 24 min.  
45 - Final Shut in - W.S.B. Built to Lin. in 45 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>126</u>	<u>G.I.P.</u>	<u>100</u>			
<u>378</u>	<u>Clean oil</u>	<u>100</u>			
<u>252</u>	<u>SOC MW</u>	<u>15</u>	<u>65</u>	<u>20</u>	

Rec Total ~~630~~ 630' BHT \_\_\_\_\_ Gravity 24 API RW @ 96 °F Chlorides 10,000 ppm

- (A) Initial Hydrostatic 1770  Test 1150 T-On Location 05:30
- (B) First Initial Flow 26  Jars \_\_\_\_\_ T-Started 06:00
- (C) First Final Flow 215  Safety Joint \_\_\_\_\_ T-Open 08:05
- (D) Initial Shut-In 812  Circ Sub \_\_\_\_\_ T-Pulled 11:05
- (E) Second Initial Flow 222  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_
- (F) Second Final Flow 298  Mileage 30 R.T. 46.50 Comments \_\_\_\_\_
- (G) Final Shut-In 773  Sampler \_\_\_\_\_
- (H) Final Hydrostatic 1725  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 16.67  
 Final Shut-In 45  Day Standby 1d 0.5h Total 1213.17  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1196.50

Approved By \_\_\_\_\_ Our Representative Bob [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.

**LOG TOP COMPARISON:**

Formation	Schuck #1	O-H log tops	Brungardt Beery #3	Brungardt Beery #6
Anhydrite	1190(+851)	-9	(+860)	-1
Topeka Ls.	2929(-888)	-3	(-885)	-1
Heebner Sh.	3197(-1156)	-3	(-1153)	-1
Toronto Ls.	3216(-1175)	-2	(-1173)	+1
Top Lansing	3247(-1206)	-3	(-1203)	+1
Top "G" Sh.	3371(-1330)	-1	(-1329)	-1
Base KC	3481(-1440)	-0-	(-1440)	-1
Arbuckle Dol.	3502(-1461)	-2	(-1459)	-1

If you have any questions, please call me at 785-819-2460. Thank you for this opportunity to serve you!

Sincerely,



Robert T. Hopkins, L.G., C. P. G.

attachments



# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator Brungardt Oil & Leasing  
 Lease / Well Beery #7  
 GL 2036 KB 2041 \* (measure from \*)

Location SW SE NW Sec. 34 - 12S - 16W  
 County Ellis State KS  
 depth this sheet - from 2900 to 3080

scale 1" = 20'  
 page 1 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, DSTs, mud properties)
1	2	3	4	5	6	7	8				
								2900			ANHYDRITE 1190' (+851)
											9-8-2013 PM MUD VIS 52; wt. 8.3
											Topoka 2929(-888)
											dk gry sh.
											tan fuxls lite lst, n.s.
											dk gry sh. - sdy sh.
								50			dk gry - tan fuxls foss lst, n.s., pr. $\phi$
											bf fuxls chalky lst, n.s., sl. $\phi$
											dk brn foss lst, tite, n.s.
											gry sh., pyritic
									v. sl. show		gray fuxls foss, lst, v. sl. $\phi$ , trc str, no odor or free oil No vis. fluorescence
											bf fuxls tite lst, n.s.; sl. foss.
								3000			dk gry - blk sh.
											bf - brn fuxls tite lst, n.s.
											MUD VIS 52; wt 8.8
											dk brn medxls foss lst, sl. $\phi$ , n.s.
											bf - gry fuxls tite lst, n.s.
											on above, sl. fossiliferous
								50			bf - gry fuxls chalky lst, sl. $\phi$ , n.s.
											dk gry sh.
											bf fuxls lst, tite, n.s.
											gry siltstone
											bf fuxls tite lst, n.s.
								80			

# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator BRUNGART Oil Leasing

Location SW SE NW Sec. 34-125-16W

Lease / Well Berry # 7

County Ellis State KS

scale 1" = 20'

GL KB 2041' (measure from \*)

depth this sheet - from 3080 to 3260

page 2 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, DSTs, mud properties)
1	2	3	4	5	6	7	8				
								3080			bf fuxls tite lst, n.s. <span style="border: 1px solid black; padding: 2px;">mud vis 50; wt 8.9</span>
								3100			gry fuxln sandy lst, foss., n.s., tite -dk gry sh.
											bf-gry fuxln lst, tite, n.s. blke pyritic sh. <span style="float: right;">Queen Hill Sh. 3118'</span>
											gray granular, sdy lst, tite, n.s.
									sl. show		bf chalky lst, sl. $\phi$ , v. sl. odor, no vis. str., no fluorescence, no free oil
								50			bf lst, n.s. gry fuxln chalky lst, sl. $\phi$ , n.s. <span style="border: 1px solid black; padding: 2px;">mud vis 57; wt. 9.0</span>
											bf fuxln lst, sl. $\phi$ , chalky, v. sl. odor, trc str., no fluorescence
											bf fuxln lst, tite, n.s., cherty <span style="float: right;">Heebner Sh. 3197 (-1156)</span>
								3200	sl. show		-bf lst, sl. $\phi$ , trc. str., no odor, no free oil; cherty blke pyritic sh; carbonaceous
											red-gry sh. wh con sst, tite, n.s.
											bf fuxln lst, sl. vuggy $\phi$ , <span style="float: right;">Toronto Ls. 3216</span> trc free oil, scatt. tr. str., sl. odor, weak dull fluorescence <span style="float: right;">(-1175)</span>
									show		-bf tite lst, n.s. <span style="float: right;">Lansing 3247(-1206)</span>
											-gry sh - sdy sh.
								50			-dk gry sh.
									show		bf fuxln lst, sl. vug. $\phi$ , trc free oil, sl. str., sl. odor, 10% br. fluorescence
								60			-sh. tite lst, n.s.

"A"  
"B"

# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator BRUNGARDT Oil & Leasing  
 Lease / Well Beery #7  
 GL KB 2041\* (measure from \*)

Location SW SE NW Sec. 34-125-16W  
 County Ellis State KS  
 depth this sheet - from 3260 to 3440

scale 1" = 20'  
 page 3 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, DSTs, mud properties)	
1	2	3	4	5	6	7	8					
								3260			gry sdy sh. -gry tite lst., n.s.	MUD VIS 54; wt 9.1 DST #1: 3202 - 3280' TORONTO, A/B, C; weak blow- 30", 30", 30", 5" SIP: 837-96#
								3280	show		bf oolitic lst. sl. f. <sup>oom</sup> <sub>to</sub> trc free oil, sl. str, sl. odor poor fluor.	
								3300			-bf lst., n.s. red-gry sh bf fr-nd xht lst., tite, n.s.	FP: 49-99"; 66-100" REC: 25' mud, w/show oil
								3320			-grn-gry sh. bf faxls tite lst., n.s., cherty gry sh. dk gry calcareous sh.	MUD VIS 58; wt. 9.0
								3340	v. sl. show		tite lst., n.s. dk gry calc. sh. bf faxls sl. oolitic lst. sl. f. to tite trc str, no odor no free oil; no fluorescence	
								3360			bf-gry faxls tite lst., n.s. dk gry pyritic sh; sl. limy & cherty	
								3380			gry limy sh. blk sh.	G-scale 3371'
								3400			dk gry - blk calcareous sh. bf faxls tite lst., n.s.	
								3420			dk gry - blk sh. pyritic	MUD VIS 51; wt 9.1
								3440	sl. show		bf faxls lst., sl. pinpoint & sl. str, no free oil, sl. odor, 10% weak fluorescence bf lst., n.s., tite sl. fossiliferous	
								40			bf faxls sl. oolitic lst., tite, n.s. blk carb sh.	

# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator BRUNGARDT Oil & Leasing  
 Lease / Well Beery #7  
 GL KB 2041\* (measure from \*)

Location SW SE NW Sec. 34-125-16W  
 County Ellis State KS scale 1" = 20'  
 depth this sheet - from 3440 to 3590 page 4 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, DSTs, mud properties)
1	2	3	4	5	6	7	8				
								40			red - gry sh.
								50			bf - gry truxls tite lst., n.s.
											blke sh.
											bf - brns med xls granular lst., tite, n.s.
											Base KC 3481 (-1440)
											Arbuckle 3502 (-1461)
											MUD VIS 51; WT. 9.3
								3500			tan granular dolomite, w/ gry frsh. chert; gd $\phi$ , even str, fair free a/c, fair odor, weak dull fluv.
									good show		pyritic, sl. cherty
									less show		wh. sacrosic dolomite, exc $\phi$ , scattered stain, sl. odor, trc free a/c, sl. cherty
								50			wh. sacrosic to granular dolomite, exc $\phi$ , n.s., except odor sl. cherty
									odor		
											as above, abundant chert
											3590' RTD
											prepare to run OHI log; tool - stuck, fish tool.

DST #2: 3488-3510'  
 TOP ARBUCKLE; good blow  
 45" - 45" - 45" - 45"  
 SIP: 812-773"  
 FP: 26-215"; 222-298"  
 REC: 378' CO, 252' MOCW,  
 126' GIP

DST #2  
 3500  
 \* CFS  
 CHATER  
 RTD

" "  
 K  
 L

# 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. 7378

Date	9.13.13	Sec.	34	Twp.	12	Range	16	County	Ellis	State	KS	On Location		Finish	8.15 PM
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Lease C.B. Beerli Well No. 7 Location Walker & Dead End New Line

Contractor Shields Owner To Quality Oilwell Cementing, Inc.

Type Job Production String You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8 T.D. 3590 Charge To Bringard + Oil

Csg. 5 1/2 1550 Depth 3594.19 Street

Tbg. Size Depth City State

Tool Port Collar Depth 1183 The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 45.36 Shoe Joint 45.36 Cement Amount Ordered 200 com 10% Salt

Meas Line Displace 84 1/2 BCL 500 gal mud

**EQUIPMENT** Common

Pumptrk 17 No. Cementer Shields Helper Shields Poz. Mix

Bulktrk No. Driver Shields Driver Shields Gel.

Bulktrk 8 No. Driver Shields Driver Shields Calcium

**JOB SERVICES & REMARKS** Halls

Remarks: Salt

Rat Hole 30SK Flowseal

Mouse Hole 15SK Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

5 1/2 size 3594, Insert 3548 Handling

IS + Cementation Pump 500 gal mud Mileage

10 3/4 size Plug Reith's mud **FLOAT EQUIPMENT**

Cement 5 1/2 with 155SK Guide Shoe 5 1/2

Cular lines + Displace Plug Centralizer 5 To. 10's

Plug Landed @ 15000ft. Baskets 1

COOZ Lit + Pressure AFU Inserts Port Collar

Float Shoe

Latch Down

Pumptrk Charge

Mileage

Tax

Discount

Total Charge

Signature Terry W. Presher

Quality Oilwell Cementing

# 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. 7506

Date	9-5-13	Sec.	34	Twp.	12	Range	16	County	Ellis	State	KS	On Location		Finish	5:00 AM
------	--------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location Walker N 10 D.E. 1/4 W 1/3 N

Lease	C.B. Beery	Well No.	7	Owner	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.	
Contractor	Shields				Charge To	Brungard Oil
Type Job	Surface				Street	
Hole Size	12 1/4	T.D.	227'	City		State
Csg.	8 5/8	Depth	224'	The above was done to satisfaction and supervision of owner agent or contractor.		
Tbg. Size		Depth		Cement Amount Ordered 150 300		
Tool		Depth				
Cement Left in Csg.	20'	Shoe Joint				

Meas Line Displace 13 bbl

**EQUIPMENT**

Pumptrk	15	No.	Cementer		Common
			Helper	Nick	Poz. Mix
Bulktrk	8	No.	Driver	Doug	Gel.
Bulktrk	Pu	No.	Driver	Brett	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
		Sand
		Handling
		Mileage

**FLOAT EQUIPMENT**

Cement		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down

Pumptrk Charge  
Mileage

Tax  
Discount  
Total Charge

X Signature George Begler

