



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1209913
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: _____

1209913

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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Meckfessel Trust 1-17
Doc ID	1209913

Tops

Name	Top	Datum
Top Anhydrite	1287'	+903
Base Anhydrite	1306'	+884
Heebner	3812'	-1622
Douglas Shale	3841'	-1651
Brown Lime	3915'	-1725
LKC	3924'	-1734
BKC	4228'	-2038
Fort Scott	4377'	-2187
Cherokee Sand	4432'	-2242
Mississippi	4487'	-2297
Gilmore City	4533'	-2343
Kinderhook Sand	4566'	-2376

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. 193

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-29-14	17	23	18	Pawnee	Ks		8:30PM
Location <i>Kinsley 183 + 56 3N 1/2 W S into</i>							

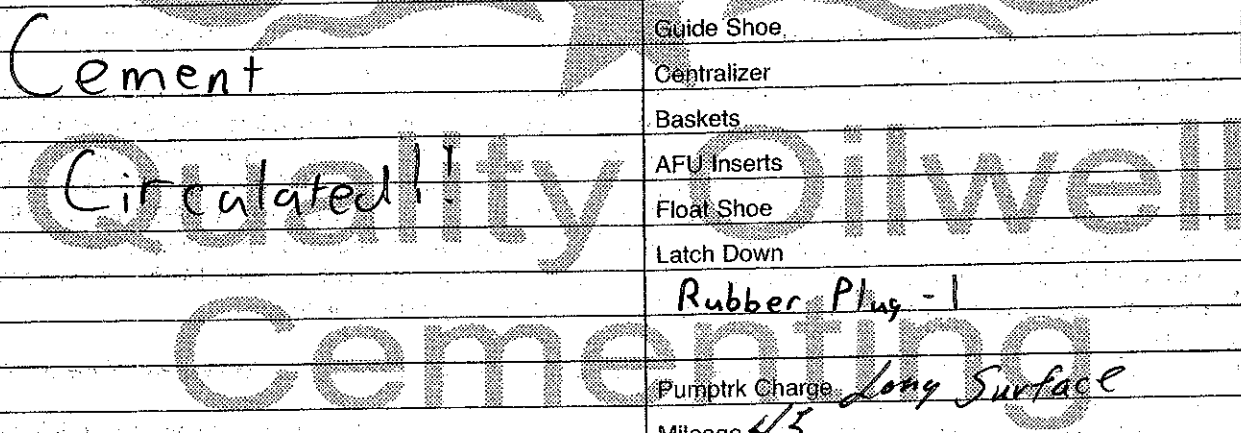
Lease	Well No.	Owner	
<i>Me Fessel Trust</i>	<i>1-14</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor	Type Job	Charge To	
<i>Minnascoh</i>	<i>Surface</i>	<i>Downing Nelson</i>	
Hole Size	T.D.	Street	
<i>12 1/4</i>	<i>1300'</i>		
Csg.	Depth	City	
<i>8 5/8</i>	<i>1300'</i>	State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered <i>480 com 3% cc 2% Gel</i>	
Cement Left in Csg.	Shoe Joint		
<i>17'</i>	<i>17'</i>		

Meas Line	Displace	Common
		<i>480</i>
EQUIPMENT		
Pumptrk	No.	Cementer
<i>5</i>		<i>Lannie W</i>
Bulktrk	No.	Helper
<i>13</i>		<i>Lannie M</i>
Bulktrk	No.	Driver
<i>Pu</i>		<i>Brett</i>

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling <i>506</i>
		Mileage

	<i>8 5/8</i>	FLOAT EQUIPMENT
		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		<i>Rubber Plug - 1</i>
		Pumptrk Charge <i>Long Surface</i>
		Mileage <i>43</i>

	Tax
	Discount
	Total Charge
X Signature	<i>Richard A. Bauer</i>



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. 442

Date	6-4-14	Sec.	17	Twp.	23	Range	15	County	Rawl	State	KS	On Location	4:00 PM	Finish	7:15 PM																												
Lease	Mackfessel		thrust		Location		Kinsley Hwy @ 183 and		Well No.		1-17		Owner		56 JN YW Sinto																												
Contractor	Ninnescan		101		To Quality Oilwell Cementing, Inc.		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		Type Job		plug		Charge To		Downing Nelson																												
Hole Size	7 7/8		T.D.		4590		Street		Downing		Nelson		City		State																												
Csg. Tbg. Size	Dill pipe		Depth				The above was done to satisfaction and supervision of owner agent or contractor.		Cement Left in Csg.		Shoe Joint		Cement Amount Ordered		170 60/40 45/90																												
<p>EQUIPMENT</p> <table border="1"> <tr> <td>Pumptrk</td> <td>20</td> <td>No.</td> <td>Cementor</td> <td>Matt</td> <td>Common</td> <td>142</td> </tr> <tr> <td>Bulktrk</td> <td>14</td> <td>No.</td> <td>Driver</td> <td>Nick</td> <td>Poz. Mix</td> <td>68</td> </tr> <tr> <td>Bulktrk</td> <td>pu</td> <td>No.</td> <td>Driver</td> <td>Lonnie M.</td> <td>Gel.</td> <td>6</td> </tr> <tr> <td colspan="7">JOB SERVICES & REMARKS</td> </tr> </table>																Pumptrk	20	No.	Cementor	Matt	Common	142	Bulktrk	14	No.	Driver	Nick	Poz. Mix	68	Bulktrk	pu	No.	Driver	Lonnie M.	Gel.	6	JOB SERVICES & REMARKS						
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Remarks:	Rat Hole		30 SWS		Flowseal		42#		Mouse Hole		20 SWS		Kol-Seal																														
Centralizers					Mud CLR 48				Baskets				CFL-117 or CD110 CAF 38																														
D/V or Port Collar	BT 1310		50		Sand				Handling		176		Mileage																														
	2nd 300		50		FLOAT EQUIPMENT				Guide Shoe				Centralizer																														
	3rd 60		20		Baskets				AFU Inserts				Float Shoe																														
<p>Quality Oilwell Cementing</p>																																											
Pumptrk Charge												plug																															
Mileage												45																															
Tax																																											
Discount																																											
Total Charge																																											

X Signature: *Richard A. Bange*



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co**

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

17-23s-18w Pawnee,KS

Meckfessel Trust #1-17

Start Date: 2014.06.03 @ 10:14:38

End Date: 2014.06.03 @ 17:49:31

Job Ticket #: 51987 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.05 @ 10:03:45

Downing-Nelson Oil Co

Meckfessel Trust #1-17

17-23s-18w Pawnee,KS

DST # 1

Cherokee Sand

2014.06.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co

Meckfessel Trust #1-17

PO Box 1019
Hays, KS 67601

17-23s-18w Pawnee,KS

ATTN: Marc Dow ning

Job Ticket: 51987

DST#: 1

Test Start: 2014.06.03 @ 10:14:38

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:01

Time Test Ended: 17:49:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 68

Interval: 4416.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 2193.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

2180.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8792 Outside

Press@RunDepth: 58.80 psig @ 4417.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.03

End Date:

2014.06.03

Last Calib.:

2014.06.03

Start Time: 10:14:43

End Time:

17:49:30

Time On Btm:

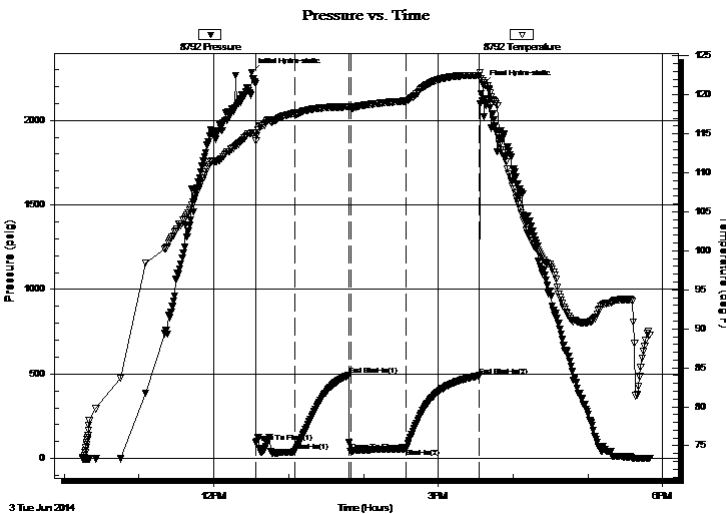
2014.06.03 @ 12:30:31

Time Off Btm:

2014.06.03 @ 15:36:16

TEST COMMENT: IF: Fair Blow , BOB in 5 minutes
IS: No Blow Back
FF: Strong Blow , BOB in 1 minute
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.79	115.16	Initial Hydro-static
4	96.24	114.14	Open To Flow (1)
34	40.72	117.66	Shut-In(1)
78	492.81	118.47	End Shut-In(1)
79	42.90	118.35	Open To Flow (2)
124	58.80	119.21	Shut-In(2)
183	489.25	122.49	End Shut-In(2)
186	2209.96	121.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	768 GIP	0.00
62.00	GOMCW 20%G 20%O 30%M 30%W	0.87
50.00	GOCM 20%G 20%O 60%M	0.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co

Meckfessel Trust #1-17

PO Box 1019
Hays, KS 67601

17-23s-18w Pawnee,KS

ATTN: Marc Dow ning

Job Ticket: 51987

DST#: 1

Test Start: 2014.06.03 @ 10:14:38

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.80 inches	Volume: 61.65 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.65 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4416.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	34.00 ft				
Tool Length:	61.00 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			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Jars	5.00			4405.00	
Safety Joint	2.00			4407.00	
Packer	5.00			4412.00	27.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8790	Inside	4417.00	
Recorder	0.00	8792	Outside	4417.00	
Perforations	30.00			4447.00	
Bullnose	3.00			4450.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co

Meckfessel Trust #1-17

PO Box 1019
Hays, KS 67601

17-23s-18w Pawnee,KS

Job Ticket: 51987

DST#: 1

ATTN: Marc Dow ning

Test Start: 2014.06.03 @ 10:14:38

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:

40000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	768 GIP	0.000
62.00	GOMCW 20%G 20%O 30%M 30%W	0.870
50.00	GOCM 20%G 20%O 60%M	0.701

Total Length: 112.00 ft Total Volume: 1.571 bbl

Num Fluid Samples: 0

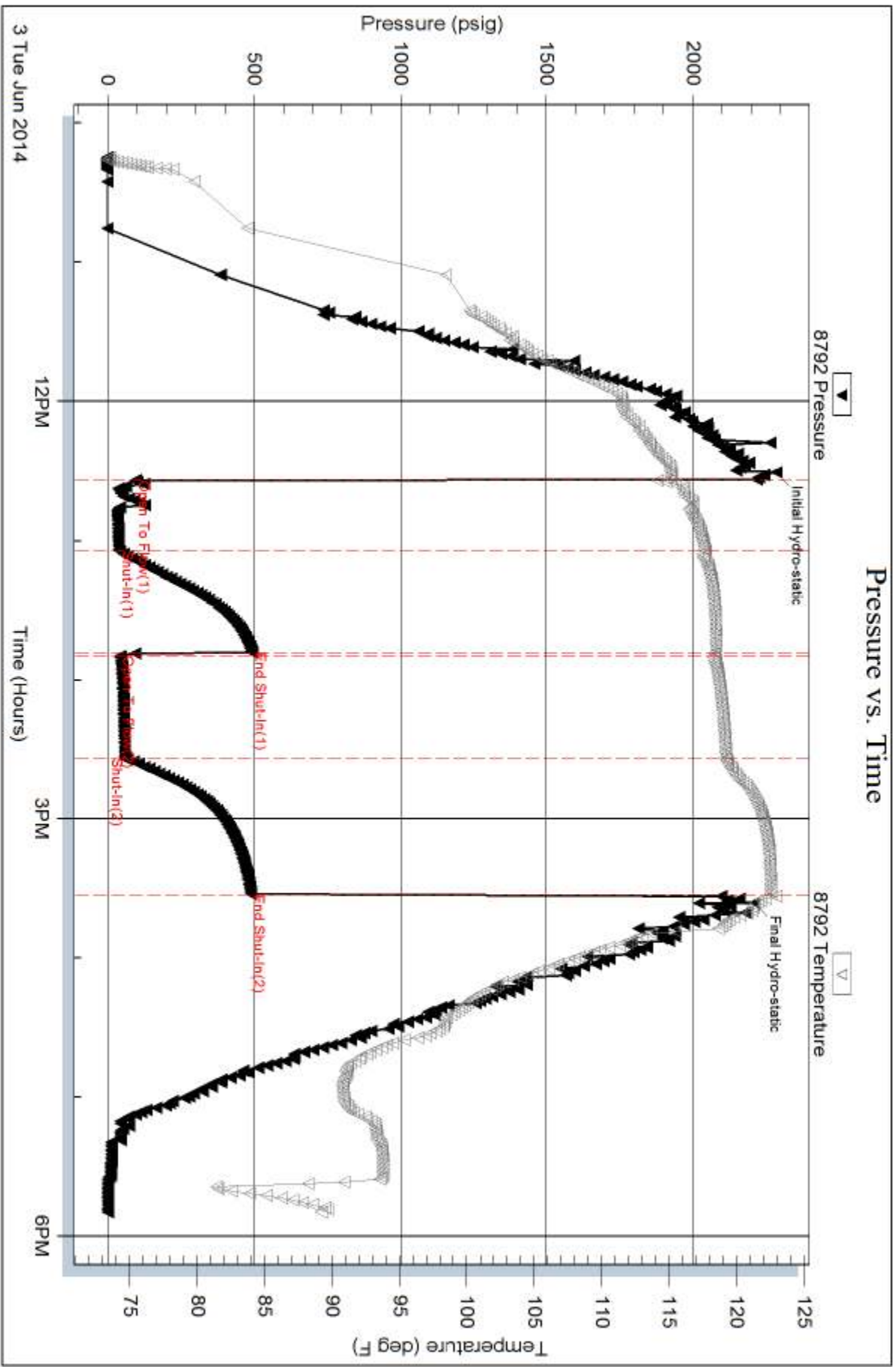
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .15 @ 84 degrees



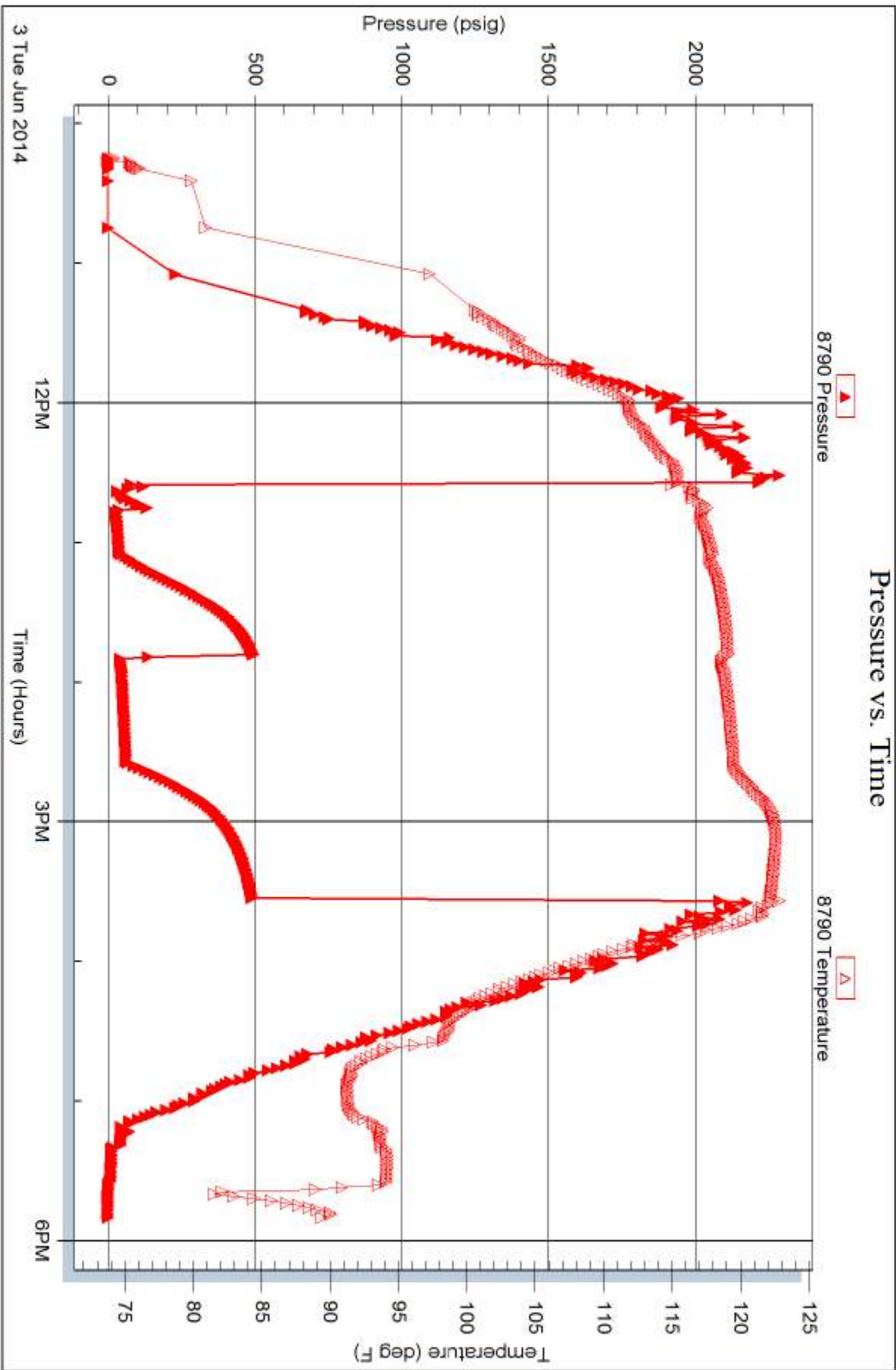
Serial #: 8790

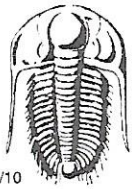
Inside

Dow nng-Nelson Oil Co

17-23s-18w Pawnee,KS

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51987

Well Name & No. Meckfessel Trust 1-17 Test No. 1 Date 06/03/14
 Company Downing - Nelson oil co Elevation 2180 KB 2193 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Minnescah 101
 Location: Sec. 17 Twp. 23S Rge. 18W Co. Pawnee State KS

Interval Tested 4416 - 4450 Zone Tested Cherokee sand
 Anchor Length 34 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4411 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 4416 Wt. Pipe Run 0 WL 7.2
 Total Depth 4450 Chlorides 3000 ppm System LCM _____

Blow Description IF: Fair Blow, BOB in 5 minutes
ISI: NO Blow Back
FF: Strong Blow, BOB in 1 minute
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>768</u>	<u>GIP</u>				
<u>50</u>	<u>60CM</u>	<u>20%</u>	<u>20%</u>	<u>60%</u>	<u>60%</u>
<u>62</u>	<u>60MCW</u>	<u>20%</u>	<u>20%</u>	<u>30%</u>	<u>30%</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 112 BHT 121 Gravity N/C API RW 15 @ 84 °F Chlorides 40000 ppm

(A) Initial Hydrostatic 2384 Test 1250 T-On Location 08:00
 (B) First Initial Flow 96 Jars 250 T-Started 10:14
 (C) First Final Flow 41 Safety Joint 75 T-Open 12:34
 (D) Initial Shut-In 493 Circ Sub _____ T-Pulled 15:32
 (E) Second Initial Flow 43 Hourly Standby _____ T-Out 17:49
 (F) Second Final Flow 59 Mileage 120 186 Comments _____
 (G) Final Shut-In 489 Sampler _____
 (H) Final Hydrostatic 2210 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Sub Total 0
 Total 1761
 MP/DST Disc't _____

Sub Total 1761

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.

Marc A. Downing
Consulting Petroleum Geologist

Geologic Report
Drilling Time and Sample Log

Operator **Downing-Nelson Oil Co., Inc.**
 Lease **Meckfessel** No. **1-17**

Elevation **2190**
 KB
 DF
 GL
 2177

API # **15-145-21758-0000**

Casing Record Surface
8 5/8" @ 1296'
 Production **None**

Field **Badger Hill East**

Electrical Surveys
None

Location **1040' FNL & 2005' FEL**

CNDL, DIL, MEL

Sec. **17** Twp. **23s** Rge. **18w**

County **Pawnee** State **Kansas**

Formation **Sample tops** **Log Tops** **Datum** **Struct Comp**

Top Anhydrite	NA	1287	+903	+6
Base Anhydrite	NA	1306	+884	+5
Heebner	3816	3812	-1622	-1
Douglas Sh	3844	3841	-1651	-6
Brown Lime	3917	3915	-1725	FL
LKC	3927	3924	-1734	FL
BKC	4230	4228	-2038	+1
Fort Scott	4380	4377	-2187	-3
Cherokee Sand	4435	4432	-2242	-3
Miss	4490	4487	-2297	-12
Gilmore City	4535	4533	-2343	-7
Kinderhook Sand	4570	4566	-2376	-25
Total Depth	4590	4589	-2399	

Reference Well For Structural Comparison **Berexco**
Stueckemann #1-17 950' FNL & 2080' FWL Sec. 17-23s-18w

Drilling Contractor **Ninnescah Drilling**
 Commenced **5-28-14** Completed **6-4-14**
 Samples Saved From **3800** To **RTD**
 Drilling Time Kept From **3750** To **RTD**
 Samples Examined From **3800** To **RTD**
 Geological Supervision From **3750** To **RTD**

Summary and Recommendations
 Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,
 Marc A. Downing

