



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1231497
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: _____



1231497

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Rohr Trust Unit 1-19
Doc ID	1231497

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Neutron Density

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Rohr Trust Unit 1-19
Doc ID	1231497

Tops

Name	Top	Datum
Top Anhydrite	1348'	+758
Base Anhydrite	1391'	+715
Topeka	3123'	-1017
Heebner	3379'	-1273
Toronto	3399'	-1293
LKC	3430'	-1324
BKC	3656'	-1550
Conglomerate Sand	3708'	-1602
Arbuckle	3756'	-1650

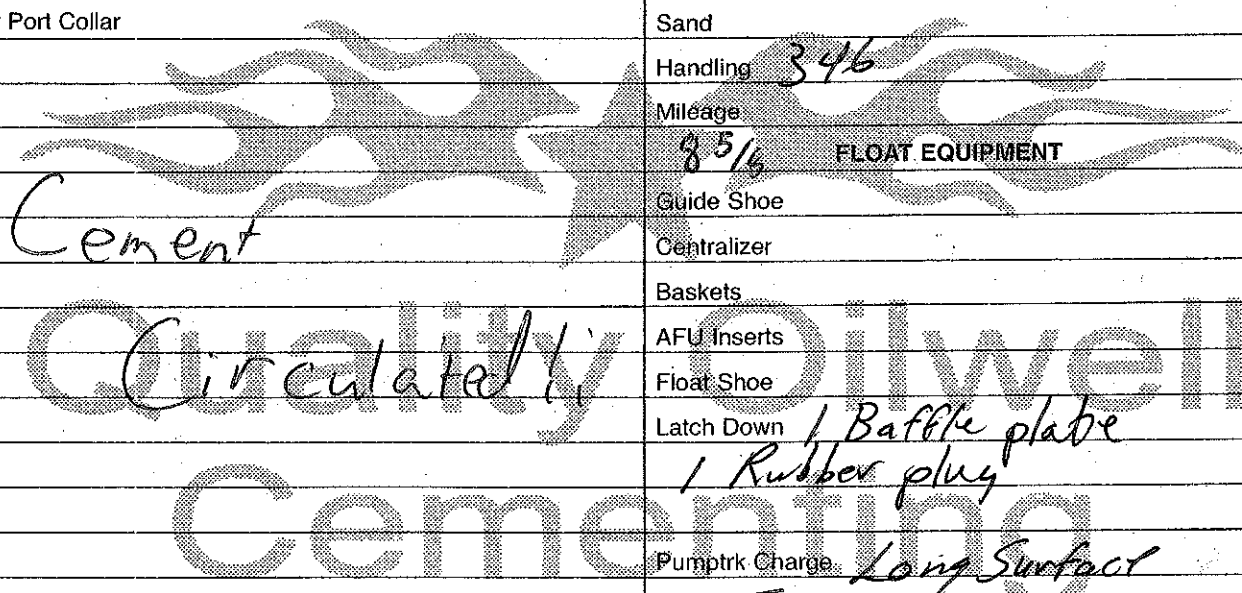
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 713

Date	10-10-14	Sec.	19	Twp.	14	Range	18	County	Ellis	State	KS	On Location		Finish	7:00 AM								
Lease								Location		Hays S to Mt Pleasant 2w 1/2 W 1/2													
Rohr Trust Unit								Well No.		# 1-19													
Contractor								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.													
Discovery #3																							
Type Job								Charge To		Downing-Nelson													
Surface																							
Hole Size				T.D.				Depth				Street											
12 1/4				684'				684'															
Csg.				Tbg. Size				Tool				City											
8 5/8												State											
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered													
42.15'								42.15		325 com 3% cc 2% Gel													
Meas Line								Displace															
								41 bbl															
EQUIPMENT								Common															
								325															
Pumptrk				No.				Cementer				Poz. Mix											
5								Helper				Cody											
Bulktrk				No.				Driver				Gel.											
4								Tyler				27											
Bulktrk				No.				Driver				Calcium											
pu								Brett				12											
JOB SERVICES & REMARKS								Hulls															
Remarks:								Salt															
Rat Hole								Flowseal															
Mouse Hole								Kol-Seal															
Centralizers								Mud CLR 48															
Baskets								CFL-117 or CD110 CAF 38															
DV or Port Collar								Sand															
								Handling															
								346															
								Mileage															
								8 5/6															
 <p>Cement Circulated</p>								FLOAT EQUIPMENT															
								Guide Shoe															
								Centralizer															
								Baskets															
								AFU Inserts															
								Float Shoe															
								Latch Down								1 Baffle plate							
																1 Rubber plug							
								Pumptrk Charge								Long Surface							
								Mileage								7							
Signature								Doh Amble															
								Tax															
								Discount															
								Total Charge															

JOB LOG

SWIFT Services, Inc.

DATE 10/15/14 PAGE NO. 1

CUSTOMER Downing + Nelson WELL NO. 1-19 LEASE Rohr Trust Unit JOB TYPE Long String TICKET NO. 26862

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							On Loc.
	1350							Start in hole with 5 1/2" 14# Csg. Insert Float Shoe 3232' Latch down Baffle 3813 Cent. Jnt. # 1, 3, 5, 7, 9, 11, 59 Basket #60 D.V. Tool Top #60 @ 1308'
	15:10							Drop Ball Circulate Rotate Csg.
	1545		12 20 36					500gal Mud Flush 2000' KCL Flush Mix 150 sks EA-2 Cont.
	1600	6.5						Finish mixing wash out Pump & Line Displ. Shut off Plug
	1615		93			1500		Plug down 1500psi holding Release press Dry Drop opening Plug Plug Rat hole + Mouse Hole 30sk + 155sk
	16:30					1400		Open D.V. 1400psi 2000' KCL water Mix 155 sks SMD Cement Finish mixing Drop closing Plug
	16:53							Displ.
	1700		32			1600		Plug Down 1600psi Release D.V. Closed Circulated 30sk to Pit wash & Back up tanks
	1730							Jobs Complete

[Signature]

Jason Ravek, Preston, Roger



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Mark Downing

Rohr Trust Unit 1-19

19-14s-18w Ellis,KS

Start Date: 2014.10.14 @ 08:00:00

End Date: 2014.10.14 @ 16:32:00

Job Ticket #: 60542 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.16 @ 15:25:12

Downing Nelson Oil Co

19-14s-18w Ellis,KS

Rohr Trust Unit 1-19

DST # 1

Cong. Sand

2014.10.14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

19-14s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Rohr Trust Unit 1-19

ATTN: Mark Dow ning

Job Ticket: 60542

DST#: 1

Test Start: 2014.10.14 @ 08:00:00

GENERAL INFORMATION:

Formation: **Cong. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:00

Time Test Ended: 16:32:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 72

Interval: 3701.00 ft (KB) To 3744.00 ft (KB) (TVD)

Reference Elevations: 2108.00 ft (KB)

Total Depth: 3744.00 ft (KB) (TVD)

2100.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772 Outside

Press@RunDepth: 206.95 psig @ 3705.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.14

End Date:

2014.10.14

Last Calib.: 2014.10.14

Start Time: 08:00:05

End Time:

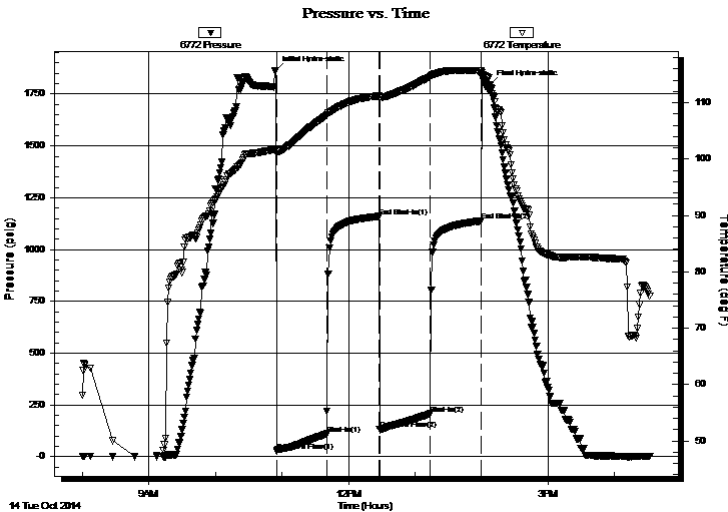
16:31:59

Time On Btm: 2014.10.14 @ 10:54:30

Time Off Btm: 2014.10.14 @ 14:07:45

TEST COMMENT: I.F. - 45 - BOB in 13 min
I.S.I. - 45 - Weak surface blow back built to 3"
F.F. - 45 - BOB in 12 min
F.S.I. - 45 - Weak surface blow back built to 3"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.30	101.82	Initial Hydro-static
1	27.58	100.97	Open To Flow (1)
46	110.30	107.77	Shut-In(1)
93	1159.25	111.22	End Shut-In(1)
94	132.33	110.84	Open To Flow (2)
139	206.95	114.59	Shut-In(2)
185	1137.42	115.61	End Shut-In(2)
194	1797.09	113.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M,C,O, 30%M70%O	0.56
460.00	C/O 100%	6.45

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co

19-14s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Rohr Trust Unit 1-19

Job Ticket: 60542

DST#: 1

ATTN: Mark Dow ning

Test Start: 2014.10.14 @ 08:00:00

Tool Information

Drill Pipe:	Length: 3676.00 ft	Diameter: 3.80 inches	Volume: 51.56 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 51.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3701.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	43.00 ft			
Tool Length:	63.00 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			3682.00	
Shut In Tool	5.00			3687.00	
Hydraulic tool	5.00			3692.00	
Packer	5.00			3697.00	20.00 Bottom Of Top Packer
Packer	4.00			3701.00	
Stubb	1.00			3702.00	
Perforations	2.00			3704.00	
Change Over Sub	1.00			3705.00	
Recorder	0.00	6772	Outside	3705.00	
Recorder	0.00	8167	Inside	3705.00	
Drill Pipe	31.00			3736.00	
Change Over Sub	1.00			3737.00	
Perforations	4.00			3741.00	
Bullnose	3.00			3744.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

19-14s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Rohr Trust Unit 1-19

Job Ticket: 60542

DST#: 1

ATTN: Mark Dow ning

Test Start: 2014.10.14 @ 08:00:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	M,C,O, 30%M 70%O	0.559
460.00	C/O 100%	6.453

Total Length: 520.00 ft

Total Volume: 7.012 bbl

Num Fluid Samples: 0

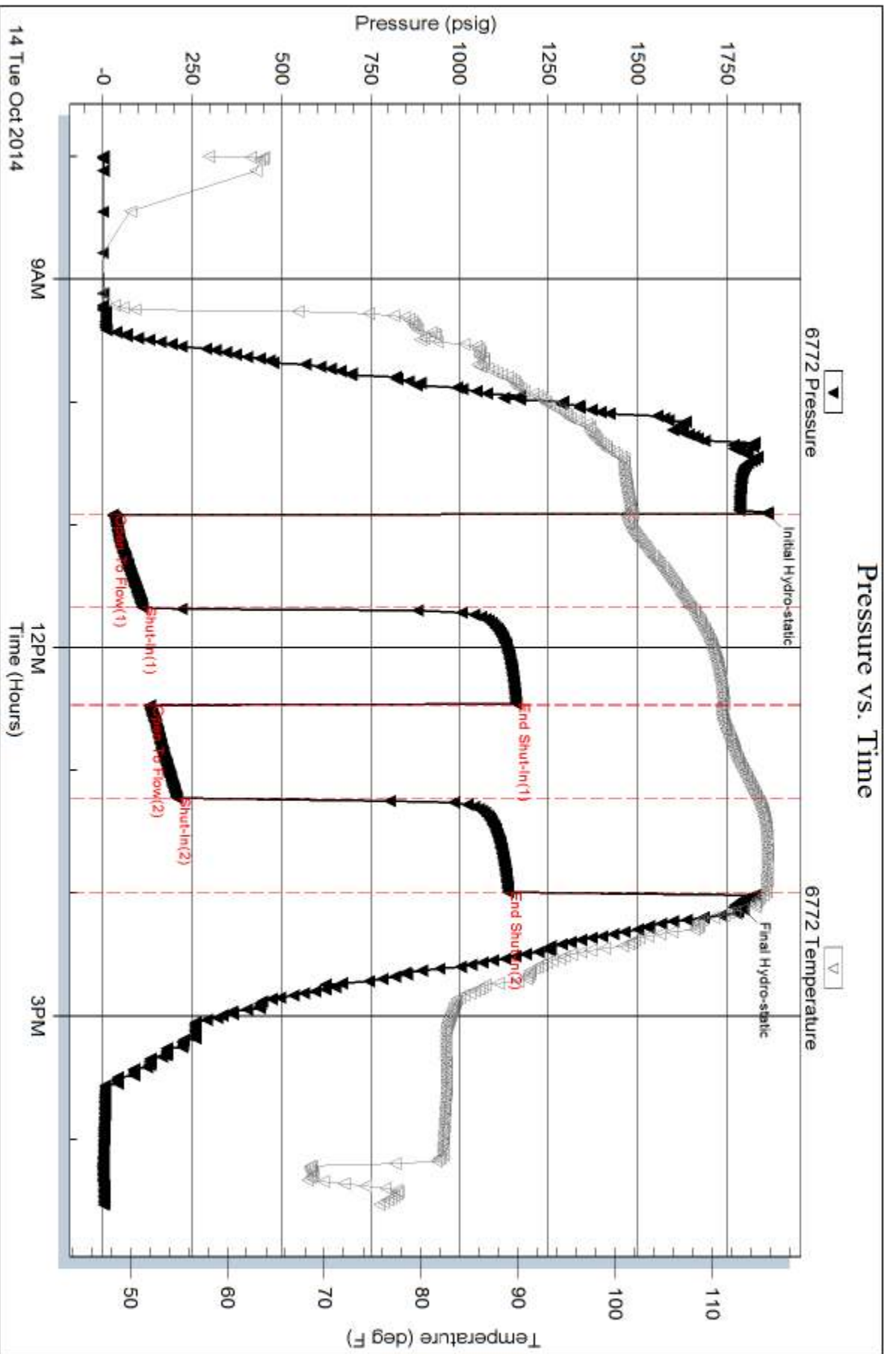
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



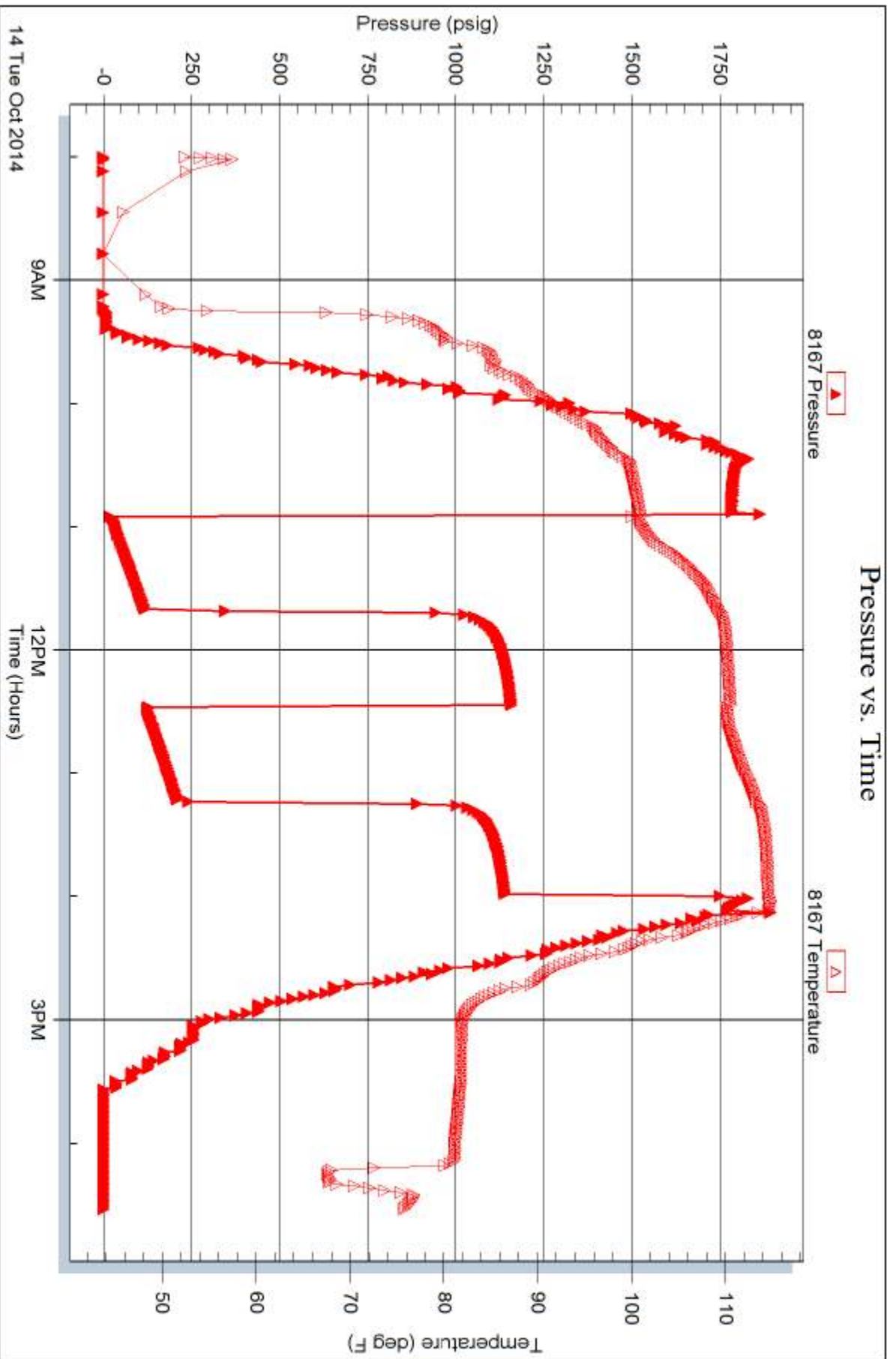
Serial #: 8167

Inside

Dow n ing Nelson Oil Co

Rohr Trust Unit 1-19

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 60542

Printed: 2014.10.16 @ 15:25:13



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60542

Well Name & No. Bohr trust unit # 1-19 Test No. 1 Date 10-14-14
 Company Downing nelson Elevation 2108 KB 2100 GL
 Address P.O. Box 1019 Hays, KS. 67601
 Co. Rep / Geo. Mark Downing / Ron Nelson Rig Discovery #3
 Location: Sec. 19 Twp. 14 S. Rge. 18 W. Co. Ellis State KS.

Interval Tested 3701-3744 Zone Tested cong. sand
 Anchor Length 43 Drill Pipe Run 3676 Mud Wt. 8.8
 Top Packer Depth 3696 Drill Collars Run 31 Vis 5
 Bottom Packer Depth 3701 Wt. Pipe Run — WL 8.4
 Total Depth 3744 Chlorides 1,800 ppm System LCM 1 1/2

Blow Description I.F.-45-1/2" Int. Blow Built to (B.O.B. in 13 min.)
I.S.I-45-W.S.B. @ 5 min. Built to 3" in 45 min.
E.F.-45-3" int. Blow Built to (B.O.B. in 12 min.)
E.S.I-45-W.S.B. Built to 3" in 45 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>460</u>	<u>C/O</u>				
<u>60</u>	<u>M.C.O</u>		<u>70</u>		<u>30</u>

Rec Total 540' BHT 113 Gravity 35 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,864 Test 1150 T-On Location 07:58:00
 (B) First Initial Flow 28 Jars — T-Started 08:00:00
 (C) First Final Flow 110 Safety Joint — T-Open 10:49:00
 (D) Initial Shut-In 1159 Circ Sub — T-Pulled 13:53:00
 (E) Second Initial Flow 132 Hourly Standby — T-Out 16:32:00
 (F) Second Final Flow 207 Mileage 16/B.T. Comments "Thank-You"
 (G) Final Shut-In 1137 Sampler —
 (H) Final Hydrostatic 1,797 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —

Initial Open 45 Extra Recorder — Sub Total —
 Initial Shut-In 45 Day Standby — Total —
 Final Flow 45 Accessibility — MP/DST Disc't —
 Final Shut-In 45 Sub Total —

Approved By _____ Our Representative Bul Hornel

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 Downer-Nelson Oil Co., Inc.		Elevation KB 2106 DF 2104 GL 2098		Casing Record Surface 8 5/8" @ 684' 5 1/2" @ 3835'	
Lease Rohr Trust Unit No. 1-19		API # 15-051-26749-0000			
Field Wildcat		Location 2500' FNL & 1200' FEL			
Sec. 19 Twp. 14s Rge. 18w		County Ellis State Kansas			
Formation		Sample tops		Log Tops	
Top Anhydrite	1348	1348	+758	+6	
Base Anhydrite	1390	1391	+715	+4	
Datum		Struct Comp			
Topoka		3122	3123	-1017	-2
Heebner		3379	3379	-1273	-3
Toronto		3399	3399	-1293	-3
LKC		3428	3430	-1324	-4
BKC		3655	3656	-1550	-3
Conglomerate Sand		3708	3708	-1602	Absent
Arbuckle		3755	3756	-1650	+12
Total Depth		3835	3836	-1730	
Reference Well For Structural Comparison		DNOCI			
Georgine Staab #1-19		2005' FSL & 2280' FWL		Sec. 19-14s-18w	

Drilling Contractor	Discovery Drilling, Rig #3	
Commenced	10-9-14	Completed 10-15-14
Samples Saved From	3100	To RTD
Drilling Time Kept From	3000	To RTD
Samples Examined From	3100	To RTD
Geological Supervision From	3000	To RTD

Summary and Recommendations
Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion in the Conglomerate Sand.

Respectfully Submitted,

Marc A. Downing

