



KANSAS CORPORATION COMMISSION 1151466
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1151466

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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Wilma Schoendaller 1-24
Doc ID	1151466

Tops

Name	Top	Datum
Top Anhydrite	1351'	+749
Base Anhydrite	1393'	+707
Topeka	3118'	-1018
Heebner	3370'	-1270
Toronto	3390'	-1290
LKC	3418'	-1318
BKC	3649'	-1549
Arbuckle	3753'	-1653

QUALITY OILWELL CEMENTING, INC.

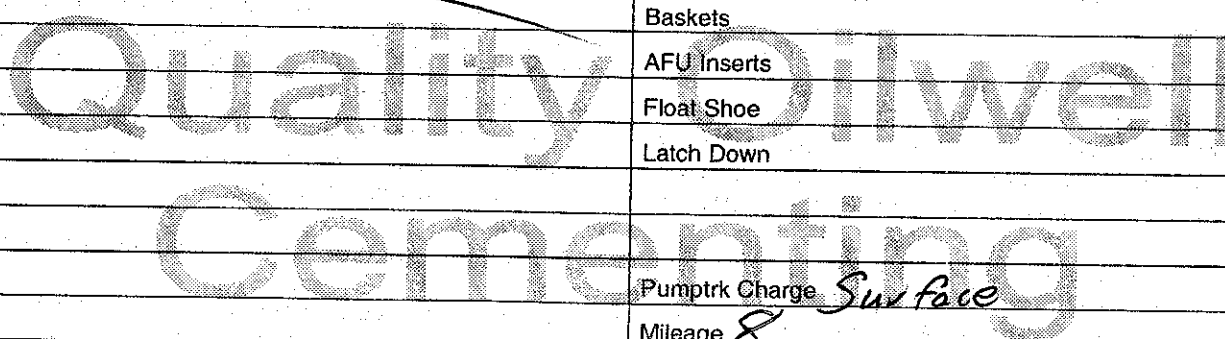
Federal Tax I.D.# 20-2886107

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

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

No. 7951

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-20-13	24	14	19	Ellis	KS		5:30 p.m.
Wilma				Location Hays S M.T. Pleasant RD 4W 1/2 S W into			
Lease Schoendaller			Well No. 1-24		Owner		
Contractor Discovery #1			To Quality Oilwell Cementing, Inc.				
Type Job Surface			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 12 1/4		T.D. 220		Charge To Downing Nelson			
Csg. 8 5/8		Depth 220		Street			
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 15'		Shoe Joint		Cement Amount Ordered 150 com 3% CC 2% GE			
Meas Line		Displace 13BC		Common 150			
EQUIPMENT							
Pumptrk 15 No.		Cementer Craig		Poz. Mix			
Bulktrk No.		Driver Nick		Gel. 3			
Bulktrk 3 No.		Driver Clayton		Calcium 5			
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			
8 5/8 on bottom. Est. Circulation.				Sand			
Mix 150 SKY Displace				Handling 158			
Cement Circulated				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge Surface			
				Mileage 8			
				Tax			
				Discount			
				Total Charge			
Signature <i>[Signature]</i>							



JOB LOG

SWIFT Services, Inc.

DATE 6-26-13 PAGE NO. 1

CUSTOMER *Downing & Nelson Oil Co* WELL NO. *#1-24* LEASE *Wilma Schendaller* JOB TYPE *2-stage* TICKET NO. *24295*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							on loc w / FE
								RTD 3810'
								5 1/4" x 14# x 3809' x 20'
								cent 1, 3, 5, 8, 10, 12, 14, 61
								Basket 2, 62
								DV on 62 @ 1326'
	0815							start FE
	0940							Break Circ
	1015	5	0			150		start Preflushes ^{500 gal Mud Flush} 20 bbl KCL
	1020	5	32/0			150		start EA-2 Cement 150 sks EA-2
	1025		36					End Cement
								Wash P & L
								Drop LD Plug
	1030	6	0			150		start Displacement ^{65 wtr} 27 mud
	1040	5	65			200		catch cement / start Mud
	1045		92.5			600 / 1200		Land Plug KCL in last Tank
								Release Pressure / Float Held
						1100		Drop Opening Plug
	1050	2.5	7/4					Plug RH + MH 30/15 sks SMD
								Open DV
	1100	5	0			150		start SMD cement
	1115		75					End Cement
								Drop Closing Plug
	1120	5	0			150		start Displacement
		4	●					Circulate Cement
	1130		32.5			450 / 1300		Land Plug
								circ 40 sks top it
								Thank you
								Nick, David E. & Rob



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Company, Inc**

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Wilma Shoendaller #1

24-14s-19w Ellis,KS

Start Date: 2013.06.24 @ 00:37:00

End Date: 2013.06.24 @ 06:54:00

Job Ticket #: 50435 DST #: 1

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

Printed: 2013.06.28 @ 08:16:07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

ATTN: Marc Dow ning

Job Ticket: 50435

DST#: 1

Test Start: 2013.06.24 @ 00:37:00

GENERAL INFORMATION:

Formation: **LKC D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:39:15
 Time Test Ended: 06:54:00
 Interval: **3453.00 ft (KB) To 3477.00 ft (KB) (TVD)**
 Total Depth: 3477.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2100.00 ft (KB)
 2092.00 ft (CF)
 KB to GR/CF: 8.00 ft

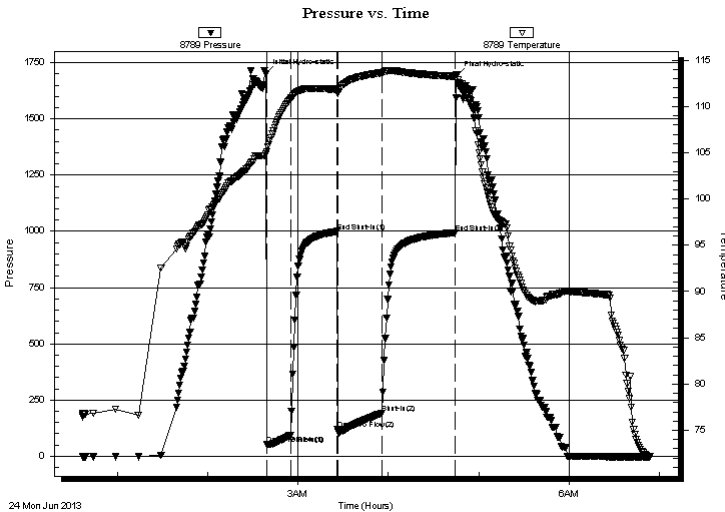
Serial #: 8789

Inside

Press @ Run Depth: 193.08 psig @ 3456.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.24 End Date: 2013.06.24 Last Calib.: 2013.06.24
 Start Time: 00:37:02 End Time: 06:54:00 Time On Btm: 2013.06.24 @ 02:38:30
 Time Off Btm: 2013.06.24 @ 04:45:30

TEST COMMENT: IFP-Strong, BOB in 1 Min.
 ISI-Blow back built to 3 1/2"
 FFP-Strong, BOB in 2 Min.
 FSI-Blow back BOB in 12 Min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.64	104.84	Initial Hydro-static
1	54.22	105.12	Open To Flow (1)
17	93.73	110.81	Shut-In(1)
48	999.35	111.84	End Shut-In(1)
48	120.11	111.37	Open To Flow (2)
78	193.08	113.65	Shut-In(2)
126	994.34	113.26	End Shut-In(2)
127	1693.65	113.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Salt Water	1.68
300.00	Free Oil	4.21
0.00	1860' Gas In Pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

ATTN: Marc Downing

Job Ticket: 50435

DST#: 1

Test Start: 2013.06.24 @ 00:37:00

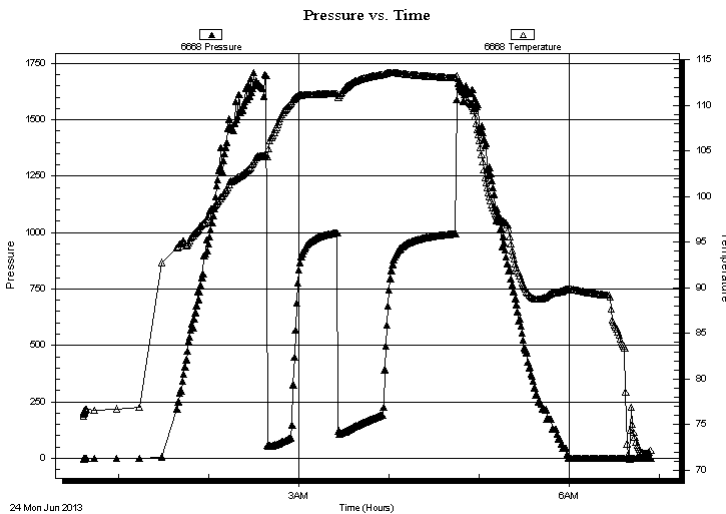
GENERAL INFORMATION:

Formation: LKC D
Deviated: No Whipstock: ft (KB) **Test Type:** Conventional Bottom Hole (Initial)
Time Tool Opened: 02:39:15 **Tester:** Jason McLemore
Time Test Ended: 06:54:00 **Unit No:** 54
Interval: 3453.00 ft (KB) To 3477.00 ft (KB) (TVD) **Reference Elevations:** 2100.00 ft (KB)
Total Depth: 3477.00 ft (KB) (TVD) 2092.00 ft (CF)
Hole Diameter: 7.88 inches **Hole Condition:** Good **KB to GR/CF:** 8.00 ft

Serial #: 6668 Outside

Press @ Run Depth: psig @ 3456.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2013.06.24 **End Date:** 2013.06.24 **Last Calib.:** 2013.06.24
Start Time: 00:36:48 **End Time:** 06:54:16 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 1 Min.
 ISI-Blow back built to 3 1/2"
 FFP-Strong, BOB in 2 Min.
 FSI-Blow back BOB in 12 Min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Salt Water	1.68
300.00	Free Oil	4.21
0.00	1860' Gas In Pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50435

DST#: 1

ATTN: Marc Dow ning

Test Start: 2013.06.24 @ 00:37:00

Tool Information

Drill Pipe:	Length: 3455.00 ft	Diameter: 3.80 inches	Volume: 48.46 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume: 48.46 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3453.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	24.00 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
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3433.00	
Shut In Tool	5.00			3438.00	
Hydraulic tool	5.00			3443.00	
Packer	5.00			3448.00	21.00 Bottom Of Top Packer
Packer	5.00			3453.00	
Stubb	1.00			3454.00	
Perforations	2.00			3456.00	
Recorder	0.00	8789	Inside	3456.00	
Recorder	0.00	6668	Outside	3456.00	
Perforations	18.00			3474.00	
Bullnose	3.00			3477.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50435

DST#: 1

ATTN: Marc Downing

Test Start: 2013.06.24 @ 00:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Salt Water	1.683
300.00	Free Oil	4.208
0.00	1860' Gas In Pipe	0.000

Total Length: 420.00 ft

Total Volume: 5.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8789

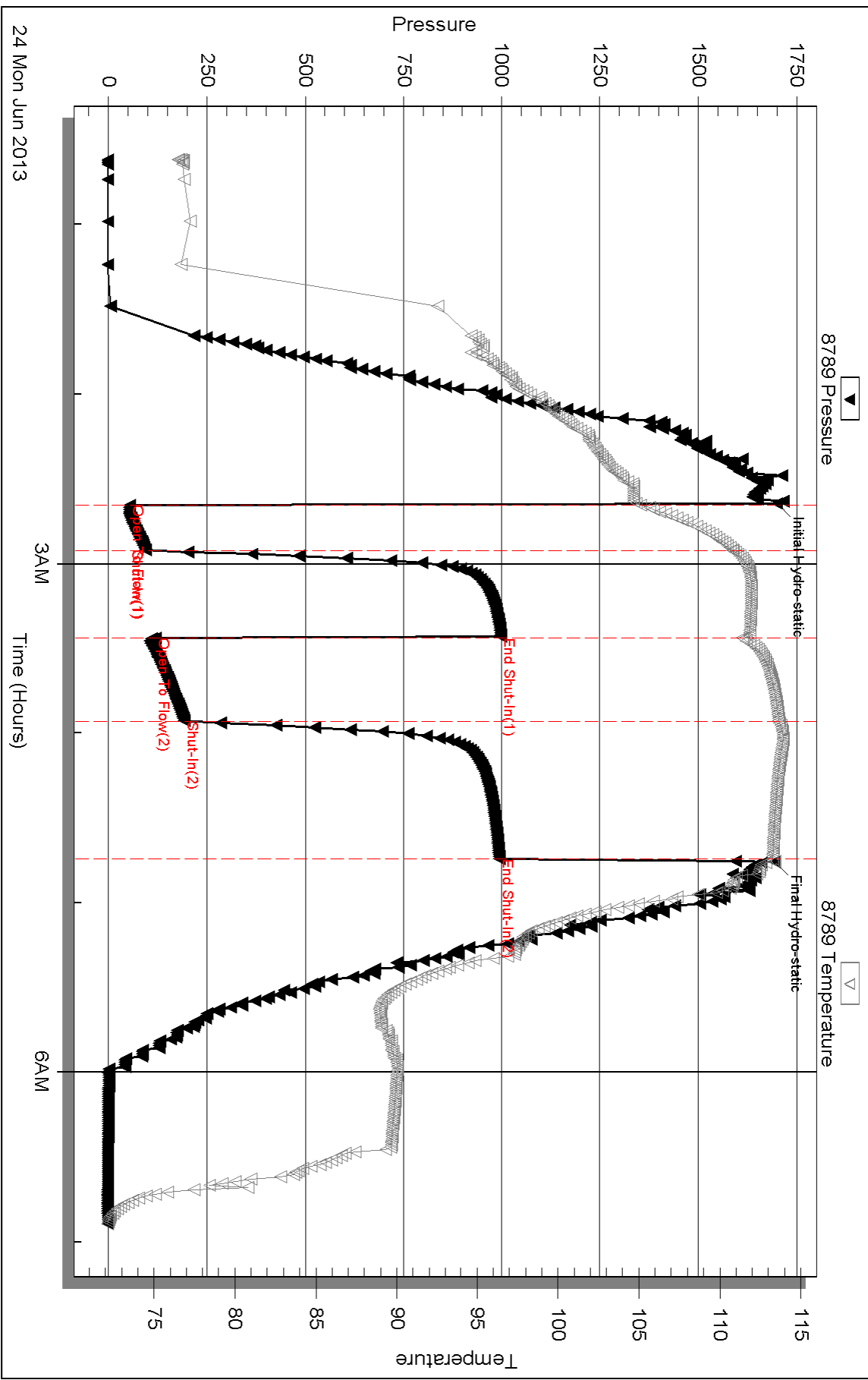
Inside

Downing Nelson Oil Company, Inc

Wilma Shoendaller #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50435

Printed: 2013.06.28 @ 08:16:10

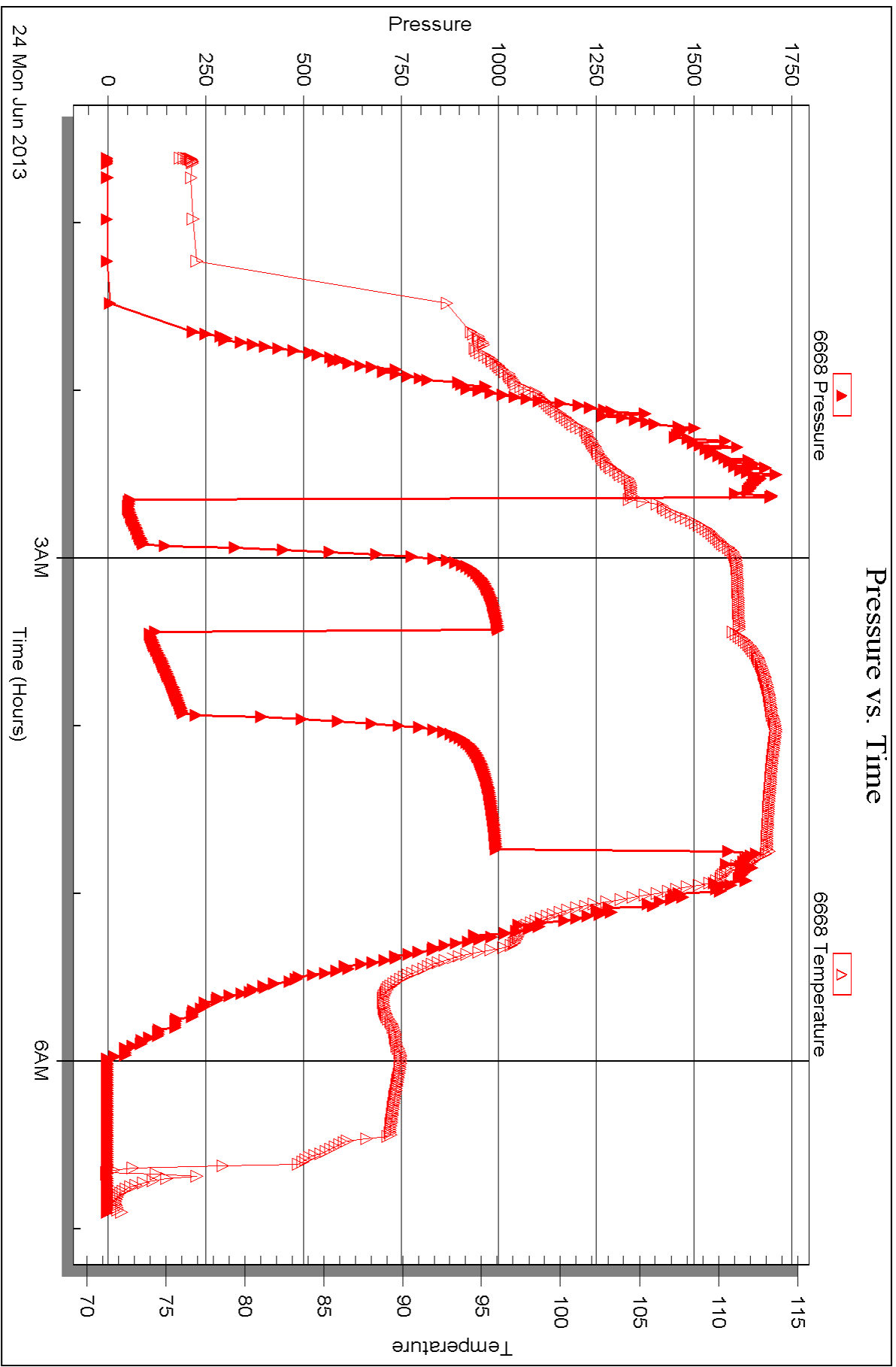
Serial #: 6668

Outside

Downing Nelson Oil Company, Inc

Wilma Shoendaller #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Company, Inc**

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Wilma Shoendaller #1

24-14s-19w Ellis,KS

Start Date: 2013.06.24 @ 19:34:05

End Date: 2013.06.25 @ 02:59:50

Job Ticket #: 50436 DST #: 2

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

Printed: 2013.06.28 @ 08:15:16

Downing Nelson Oil Company, Inc
24-14s-19w Ellis,KS
Wilma Shoendaller #1
DST # 2
LKC-H-J
2013.06.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Company, Inc

24-14s-19w Ellis, KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50436

DST#: 2

ATTN: Marc Downing

Test Start: 2013.06.24 @ 19:34:05

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:09:50
 Tester: Jason McLemore
 Time Test Ended: 02:59:50
 Unit No: 54
 Interval: **3528.00 ft (KB) To 3599.00 ft (KB) (TVD)**
 Reference Elevations: 2100.00 ft (KB)
 Total Depth: 3599.00 ft (KB) (TVD)
 2092.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

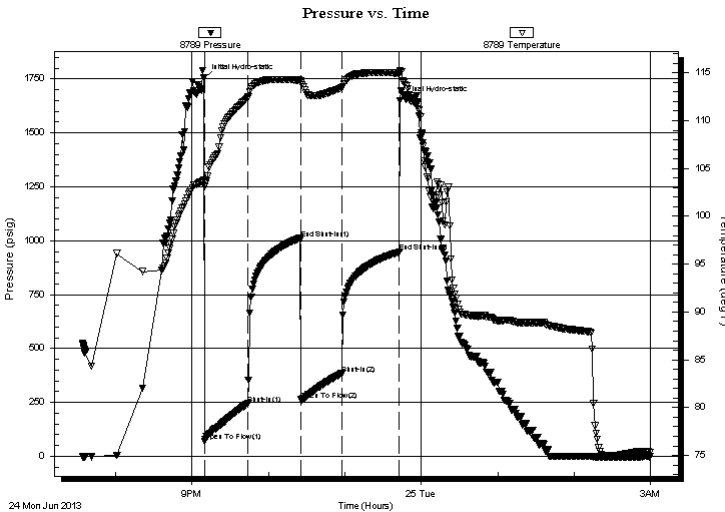
Serial #: 8789

Inside

Press @ Run Depth: 382.85 psig @ 3596.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.24 End Date: 2013.06.25 Last Calib.: 2013.06.25
 Start Time: 19:34:07 End Time: 02:59:50 Time On Btm: 2013.06.24 @ 21:09:35
 Time Off Btm: 2013.06.24 @ 23:43:20

TEST COMMENT: IFP-Strong, BOB in 2 1/2 Min
 ISI-Blow back BOB in 9 Min.
 FFP-Strong, BOB in 2 Min.
 FSI-Blow back BOB in 6 Min., GTS on Shut In

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1753.73	103.85	Initial Hydro-static
1	70.88	103.10	Open To Flow (1)
35	243.76	112.35	Shut-In(1)
76	1007.45	114.23	End Shut-In(1)
76	261.66	113.93	Open To Flow (2)
108	382.85	113.43	Shut-In(2)
154	947.62	114.97	End Shut-In(2)
154	1648.30	115.26	Final Hydro-static

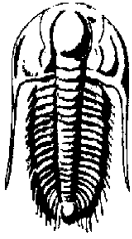
Recovery

Length (ft)	Description	Volume (bbl)
60.00	Muddy Oil 60%O-40%M	0.84
900.00	Free Oil	12.62

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Company, Inc

24-14s-19w Ellis, KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50436

DST#: 2

ATTN: Marc Downing

Test Start: 2013.06.24 @ 19:34:05

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:50

Time Test Ended: 02:59:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3528.00 ft (KB) To 3599.00 ft (KB) (TVD)

Reference Elevations: 2100.00 ft (KB)

Total Depth: 3599.00 ft (KB) (TVD)

2092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6668

Outside

Press @ Run Depth: psig @ 3596.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.24

End Date: 2013.06.25

Last Calib.: 2013.06.25

Start Time: 19:33:50

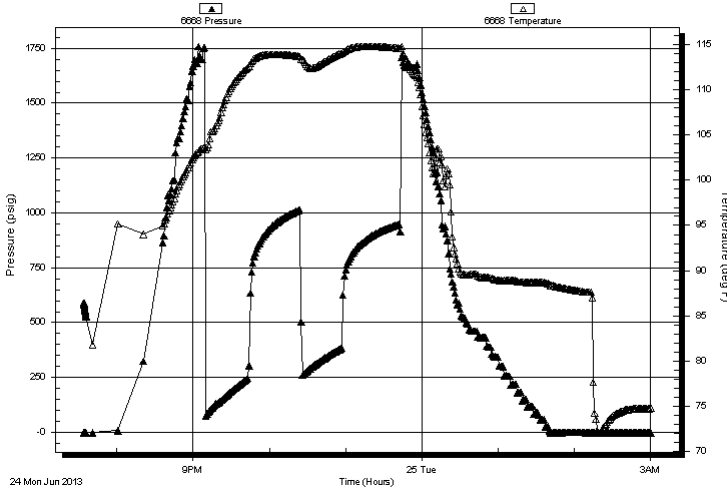
End Time: 03:00:03

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 2 1/2 Min
ISI-Blow back BOB in 9 Min.
FFP-Strong, BOB in 2 Min.
FSI-Blow back BOB in 6 Min., GTS on Shut In

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
60.00	Muddy Oil 60%O-40%M	0.84
900.00	Free Oil	12.62

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50436

DST#: 2

ATTN: Marc Downing

Test Start: 2013.06.24 @ 19:34:05

Tool Information

Drill Pipe:	Length: 3510.00 ft	Diameter: 3.80 inches	Volume: 49.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			Total Volume: 49.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3528.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 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			3501.00	
Shut In Tool	5.00			3506.00	
Hydraulic tool	5.00			3511.00	
Jars	5.00			3516.00	
Safety Joint	2.00			3518.00	
Packer	5.00			3523.00	28.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Perforations	3.00			3532.00	
Change Over Sub	1.00			3533.00	
Blank Spacing	62.00			3595.00	
Change Over Sub	1.00			3596.00	
Recorder	0.00	8789	Inside	3596.00	
Recorder	0.00	6668	Outside	3596.00	
Bullnose	3.00			3599.00	71.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Company, Inc

24-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Wilma Shoendaller #1

Job Ticket: 50436

DST#: 2

ATTN: Marc Downing

Test Start: 2013.06.24 @ 19:34:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Muddy Oil 60%O-40%M	0.842
900.00	Free Oil	12.625

Total Length: 960.00 ft Total Volume: 13.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8789

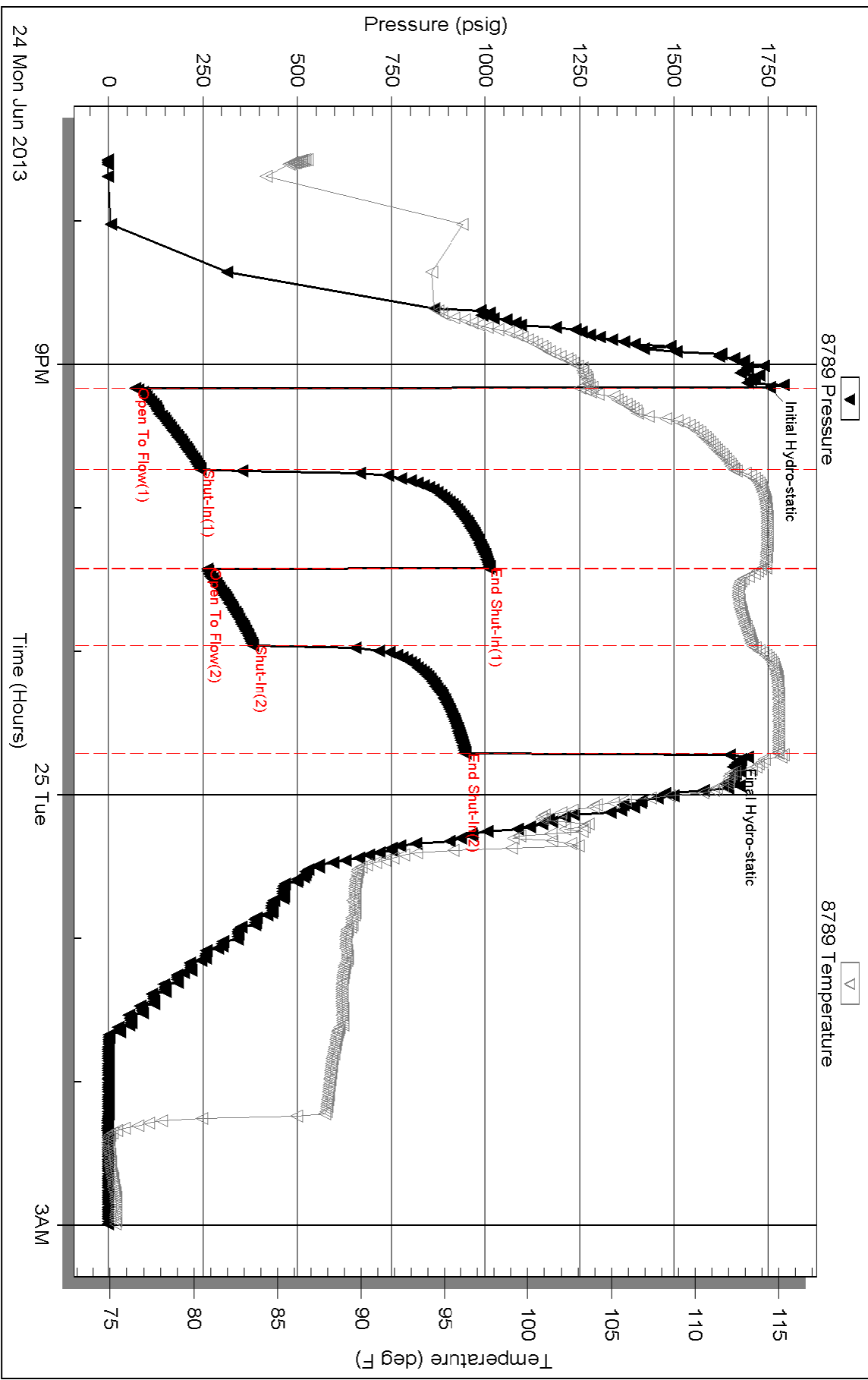
Inside

Downing Nelson Oil Company, Inc

Wilma Shoendaller #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50436

Printed: 2013.06.28 @ 08:15:19

Serial #: 6668

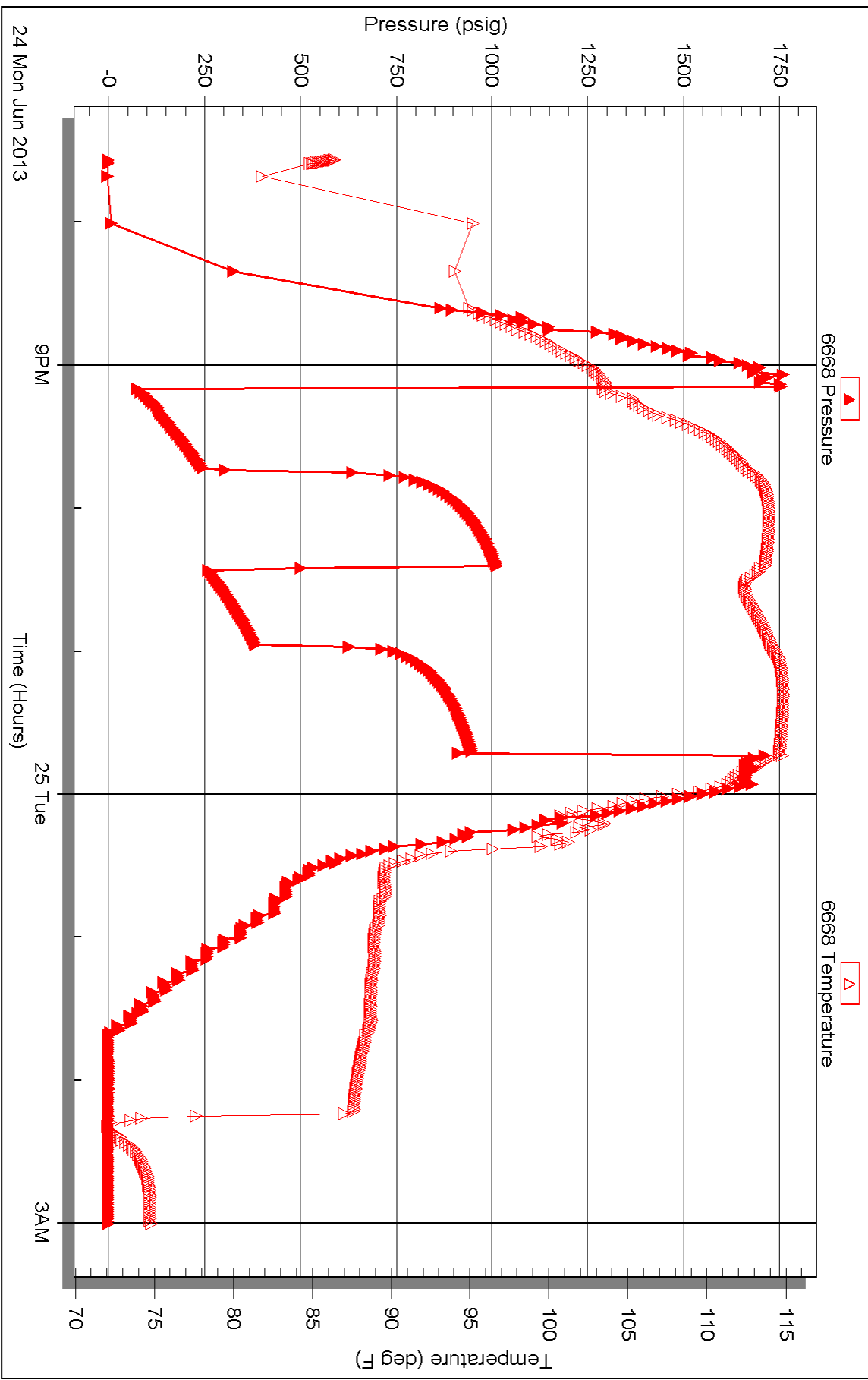
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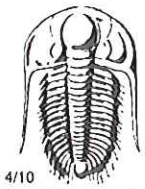
Downing Nelson Oil Company, Inc

Wilma Shoendaller #1

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50435

Well Name & No. Wilma Schoendaller # 1-24 Test No. 1 Date 6-24-13
 Company Downing Nelson Oil Company, Inc. Elevation 2100 KB 2092 GL
 Address PO Box 1019, Hays, KS. 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 24 Twp. 14s Rge. 19w Co. Ellis State KS

Interval Tested 3453-3477 Zone Tested 'D'
 Anchor Length 24 Drill Pipe Run 3455 Mud Wt. 8.6
 Top Packer Depth 3448 Drill Collars Run 0 Vis 62
 Bottom Packer Depth 3453 Wt. Pipe Run 0 WL 7.6
 Total Depth 3477 Chlorides 2500 ppm System LCM 2 #

Blow Description IFP - Strong, BOB in 1 min.
ISI - Blowback Built to 3 1/2"
FFP - Strong, BOB in 2 min
FSI - Blowback BOB in 12 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>Free Oil</u>				
<u>120</u>	<u>Salt Water</u>				
	<u>1860' GIP</u>				

Rec Total 420 BHT _____ Gravity 36 API RW .174 @ 74 °F Chlorides 38,006 ppm

(A) Initial Hydrostatic 1700 Test 1150 T-On Location 23:32
 (B) First Initial Flow 54 Jars _____ T-Started 24:35
 (C) First Final Flow 94 Safety Joint _____ T-Open 2:39
 (D) Initial Shut-In 999 Circ Sub _____ T-Pulled 4:39
 (E) Second Initial Flow 120 Hourly Standby _____ T-Out 6:55
 (F) Second Final Flow 193 Mileage 18 rt 27.90 Comments _____
 (G) Final Shut-In 994 Sampler _____
 (H) Final Hydrostatic 1694 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1177.90
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 _____
 Sub Total 1177.90

Approved By _____ Our Representative Jana McLenon Thank You

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. 50436

Well Name & No. Wilma Schoendaller #1-24 Test No. 2 Date 6-24-13
 Company DNOC Elevation 2100 KB 2092 GL
 Address PO Box 1019, Hays, Ks. 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 24 Twp. 14s Rge. 19w Co. Ellis State Ks

Interval Tested 3528-3599 Zone Tested H-J
 Anchor Length 71' Drill Pipe Run 3510 Mud Wt. 8.6
 Top Packer Depth 3523 Drill Collars Run 0 Vis 62
 Bottom Packer Depth 3528 Wt. Pipe Run 0 WL 7.6
 Total Depth 3599 Chlorides 2500 ppm System LCM 2 #
 Blow Description IFP - Strong, BOB in 2 1/2 min.
ISI - Blowback BOB in 9 min
FFP - Strong, BOB in 2 min.
FSI - Blowback BOB in 6 min, Gas To Surface

Rec	Feet of	%gas	%oil	%water	%mud
<u>900</u>	<u>Free Oil</u>				
<u>60</u>	<u>Muddy Oil</u>		<u>60</u>		<u>40</u>

Rec Total 960 BHT _____ Gravity 34 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1754 Test 1150 T-On Location 19:07
 (B) First Initial Flow 71 Jars _____ T-Started 19:32
 (C) First Final Flow 244 Safety Joint _____ T-Open 21:09
 (D) Initial Shut-In 1007 Circ Sub _____ T-Pulled 23:39
 (E) Second Initial Flow 262 Hourly Standby _____ T-Out 3:00
 (F) Second Final Flow 383 Mileage 27.90 Comments _____
 (G) Final Shut-In 948 Sampler _____
 (H) Final Hydrostatic 1648 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1177.90
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1177.90

Approved By _____ Our Representative Jason McLenore *Thank You*
 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 Downing
 Consulting Petroleum Geologist
 1411 Washington Circle
 Hays, KS 67601
 Phone: 620-428-1356 (cell) 785-621-2286

GEOLOGIC REPORT LOG

COMPANY: Downing-Nelson Oil Co, Inc.
 WELL: Williams Scheuchler # 1-24
 FIELD: Lark
 LOCATION: 1856' FMC + ST#1 FEL
 SEC.: 24 TWP. 14S RGE. 19W
 COUNTY: Ellis
 STATE: Kansas

OPERATOR: DNRCT
 CONTRACTOR: Deanevry Drilling & Rig #1
 COMM.: 6-20-13 COMP: 6-25-13
 CASING RECORD: 5 1/2" @ 3500'
 SURE: 5 1/2" @ 221' PROD: 5 1/2" @ 3500'
 TOTAL DEPTH LOG: 3815'

Drilling Measured from: KB
 Sampled from: 3100 to TD
 Drilling Time from: 3000 to TD
 Samples Examined from: 3000 to Field Depth
 Geological Supervision from: 3000 to Field Depth
 Directed Survey: Anderson
 CML/COL
 DTL
 AEL

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DEPTH	STRUCTURAL POSITION
Tapoka	3121	3118	-1818	T1
Heerner	3371	3370	-1210	T2
Taranto	3393	3393	-1210	T3
LKC	3420	3418	-1818	T4
BKC	3455	3454	-1818	T5
Arbuckle	3754	3753	-1653	NA

FORMATION TOPS AND STRUCTURAL POSITION

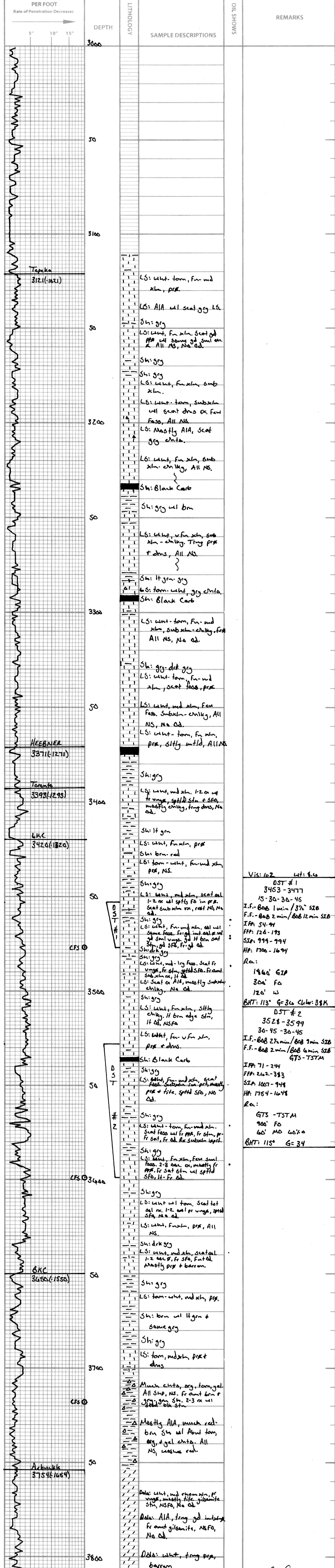
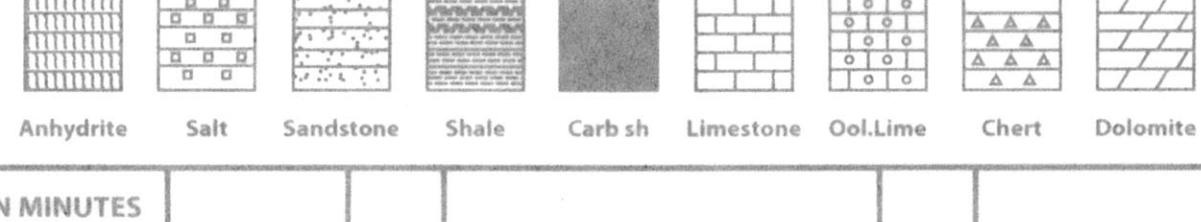
REFERENCE WELL FOR STRUCTURE: C&C Exploration Sec. 24-14S-19W
 Well #11-NE

DRILL STEM TESTS

No.	Interval	IPP Time	ISIP Time	IFP Time	ISDP Time	HP-APP	RECOVERY

Remarks: LKC "E" zone before abandonment

LEGEND



deland