



KANSAS CORPORATION COMMISSION 1074159
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: _____



1074159

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
---	---

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
-----------------------------------	-----------	---------	-------------	---------------	---------

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

JOB LOG

SWIFT Services, Inc.

DATE 02-01-12 PAGE NO. 1

CUSTOMER DOUGLAS NELSON WELL NO. C 1-23 LEASE NICHOLSON FARMS JOB TYPE LONGSTRING TICKET NO. 21186

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							ON LOCATION CITY: 200 SWS 520 EA-2 RTD 4035, SEYPIRE 4033, SJ 19.10, TUBING 4014 5 1/2" 14" PORT COLLAR ON TOP # 49, 2028 CENT 1, 3, 5, 7, 9, 11, 13, 48 BAKER 1.49
	0015							START CGL & FLOAT ERV
	0125							TAG BOTTOM - DDP BALL
	0130							BREAK CIRC 4" RIG
	0210		7.5					PLUG RA30, MH 20
	0215	5.2	12		-		200	500 GALS MWD FLUSH
		S	20		-		S	20 BBS WCL FLUSH
			36.5		-			150 SWS EA-2 CMT
								DROP LD PLUG, W/OUT PL
	0230	6.0	0		-		200	START DISP
		S	62		-		300	CMT ON BOTTOM
			90		-		650	
			95		-		750	
	0245	4.5	98		-		1500	LAND PLUG
								RELEASE - DRY
	0315							JOB COMPLETE
								THANK YOU! DAVE, JOSH &

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. 616

Date	1-25-12	Sec.	23	Twp.	9	Range	24	County	Graham, KS	State		On Location		Finish	7:00 p.m.
Lease	Nickelson Farms	Well No.	1-23 C	Location											
Contractor												Owner			
Type Job												To Quality Oilwell Cementing, Inc.			
Hole Size												You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg.												Charge To			
Tbg. Size												Street			
Tool												City			
Cement Left in Csg.												State			
Meas Line												The above was done to satisfaction and supervision of owner agent or contractor.			

EQUIPMENT											
Pumptrk	5	No.	Cement	Common							
Bulktrk		No.	Helper	150							
Bulktrk	10	No.	Driver	Poz. Mix							
Bulktrk		No.	Driver	Gel.							
Bulktrk		No.	Driver	3							

JOB SERVICES & REMARKS											
Remarks:											
Rat Hole											
Mouse Hole											
Centralizers											
Baskets											
D/V or Port Collar											
8 5/8 on bottom Est. Circulation											
Mix 150 skt + Displace											
Cement Circulated											
Calcium											
5											
Hulls											
Salt											
Flowseal											
Kol-Seal											
Mud CLR 48											
CFL-117 or CD110 CAF 38											
Sand											
Handling											
158											
Mileage											

FLOAT EQUIPMENT											
Guide Shoe											
Centralizer											
Baskets											
AFU Inserts											
Float Shoe											
Latch Down											
Pumptrk Charge											
Surface											
Mileage											
38											

Signature											
Tax											
Discount											
Total Charge											

JOB LOG

SWIFT Services, Inc.

DATE 02-17-12 PAGE NO. 1

CUSTOMER DOWNING NELSON WELL NO. 1-23 LEASE NICHOLSON FARMS C JOB TYPE CMT - POOL CULM TICKET NO. 21199

CHART NO.	TIME	RATE (BPM)	VOLUME (GB) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION CMT: 200 SKS SMD 1/4" PLS 2 3/8" 5 1/2 P.C. @ 2020
	0900	2.0	10.0	-	-	1000	1000	PSZ TEST OPEN PC
	0907	3.0	9	-	-	300		ZNS, PMS
	0908	3.5	1.0	-	-	400		START CMT, START 800 CIRC MUD
			85	-	-	600		CIRC CMT TO BIT
			90	-	-			END CMT
			0	-	-			START DISP
	0935		6.8	-	-			END CLOSE PC
	0946			-	-	1100	1100	PSZ TEST RUN IN 5 JOINTS
	0950	2.5	0	-	-		300	REA OUT
			8	-	-			1ST FLSE
			11	-	-			2-2 FLSE
	1025		30	-	-		200	CLEAN
								TOTAL CMT 170 SKS 15 SKS TO PIT!
								GET FARMER TO PULL OUT BIT.
	1100							JOB COMPLETE THANK YOU! Dane, Jamb, Bob



DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

23-9s-24w Graham,KS

Nickelson Farms 'C' #1-23

Start Date: 2012.01.30 @ 13:37:38

End Date: 2012.01.30 @ 18:42:08

Job Ticket #: 46416 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.03 @ 13:03:16

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

23-9s-24w Graham,KS

DST # 1

LKC "C-D"

2012.01.30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

ATTN: Al Downing

Job Ticket: 46416

DST#: 1

Test Start: 2012.01.30 @ 13:37:38

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:24:38

Time Test Ended: 18:42:08

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 3791.00 ft (KB) To 3830.00 ft (KB) (TVD)

Reference Elevations: 2438.00 ft (KB)

Total Depth: 3830.00 ft (KB) (TVD)

2431.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 20.23 psig @ 3794.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.30

End Date:

2012.01.30

Last Calib.:

2012.01.30

Start Time:

13:37:39

End Time:

18:42:08

Time On Btm:

2012.01.30 @ 15:22:08

Time Off Btm:

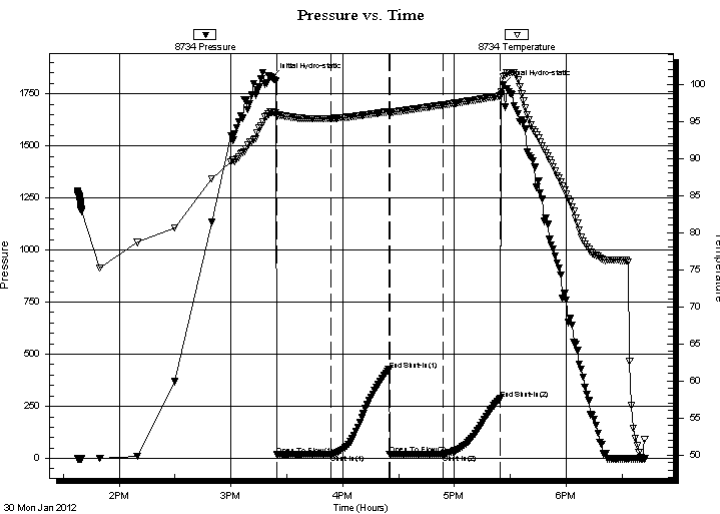
2012.01.30 @ 17:26:08

TEST COMMENT: IFP - 1/4" blow throughout

ISI - no blow back

FFP - no blow

FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.69	96.23	Initial Hydro-static
3	16.68	95.71	Open To Flow (1)
32	18.87	95.38	Shut-In(1)
63	426.07	96.31	End Shut-In(1)
63	19.18	96.21	Open To Flow (2)
92	20.23	97.20	Shut-In(2)
123	286.75	98.42	End Shut-In(2)
124	1791.92	101.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM3%O, 97%M	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

Nickelson Farms 'C' #1-23

23-9s-24w Graham, KS

Job Ticket: 46416

DST#: 1

Test Start: 2012.01.30 @ 13:37:38

GENERAL INFORMATION:

Formation: LKC "C-D"
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 15:24:38
Tester: Brian Fairbank
Time Test Ended: 18:42:08
Unit No: 41
Interval: 3791.00 ft (KB) To 3830.00 ft (KB) (TVD)
Reference Elevations: 2438.00 ft (KB)
Total Depth: 3830.00 ft (KB) (TVD)
2431.00 ft (CF)
Hole Diameter: 7.88 inches
Hole Condition: Good
KB to GR/CF: 7.00 ft

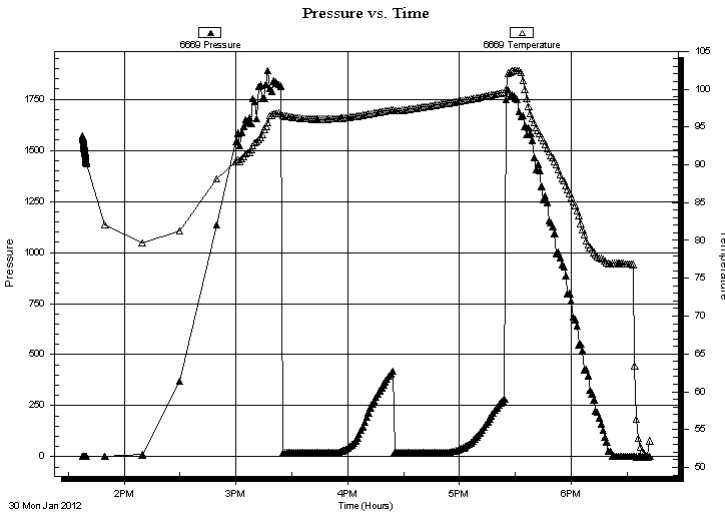
Serial #: 6669

Inside

Press @ Run Depth: psig @ 3794.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2012.01.30 **End Date:** 2012.01.30 **Last Calib.:** 2012.01.30
Start Time: 13:37:39 **End Time:** 18:42:08 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IFP - 1/4" blow throughout
 ISI - no blow back
 FFP - no blow
 FSI - no blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 3%O, 97%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46416

DST#: 1

ATTN: Al Downing

Test Start: 2012.01.30 @ 13:37:38

Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 bbl	Tool Weight: 2500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.57 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3791.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	66.00 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			3769.00	
Hydraulic tool	5.00			3774.00	
Jars	5.00			3779.00	
Safety Joint	2.00			3781.00	
Packer	5.00			3786.00	27.00 Bottom Of Top Packer
Packer	5.00			3791.00	
Stubb	1.00			3792.00	
Perforations	1.00			3793.00	
Change Over Sub	1.00			3794.00	
Recorder	0.00	6669	Inside	3794.00	
Recorder	0.00	8734	Outside	3794.00	
Blank Spacing	31.00			3825.00	
Change Over Sub	1.00			3826.00	
Perforations	1.00			3827.00	
Bullnose	3.00			3830.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46416 **DST#: 1**

ATTN: Al Downing

Test Start: 2012.01.30 @ 13:37:38

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:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM3%O, 97%M	0.025

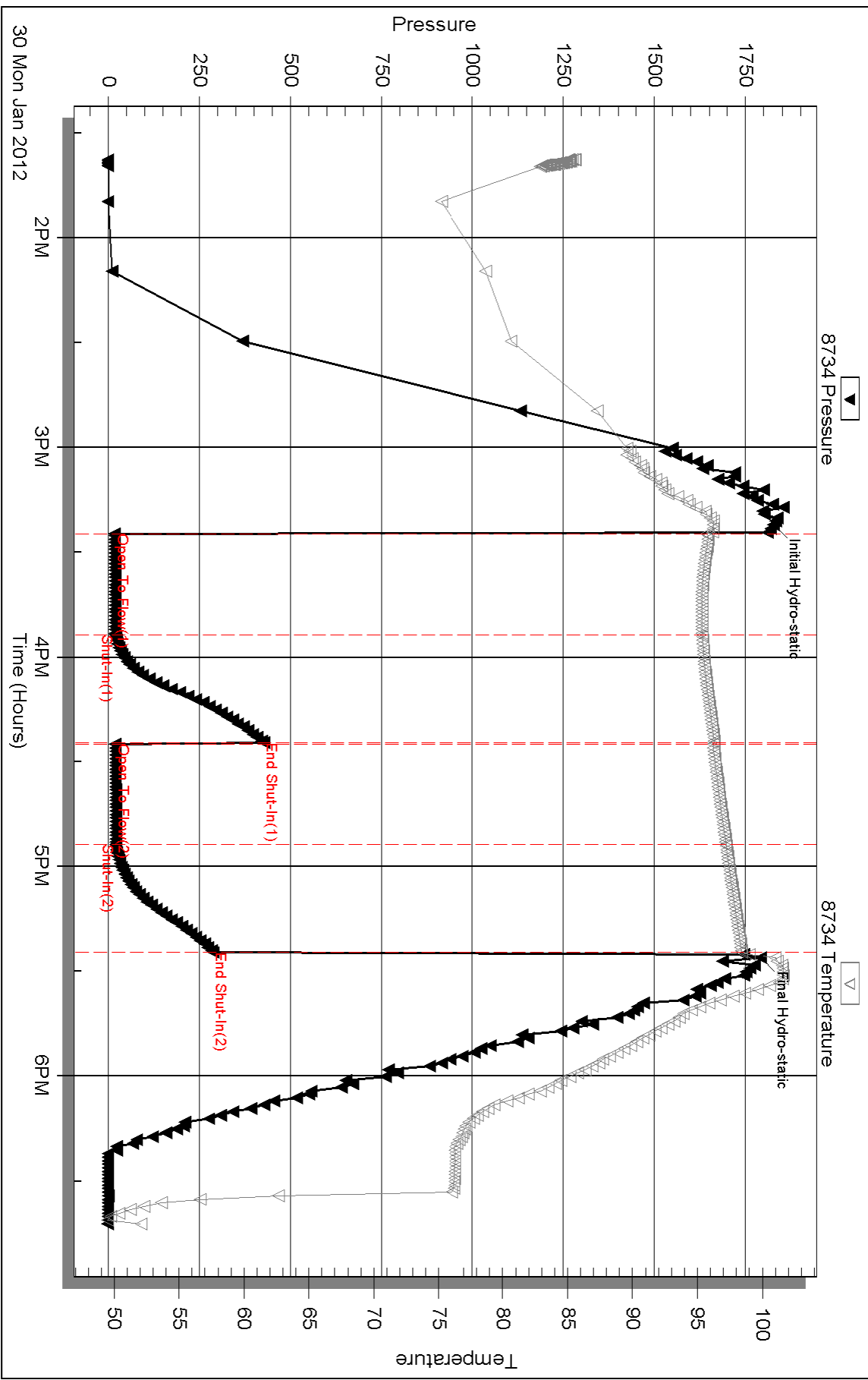
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



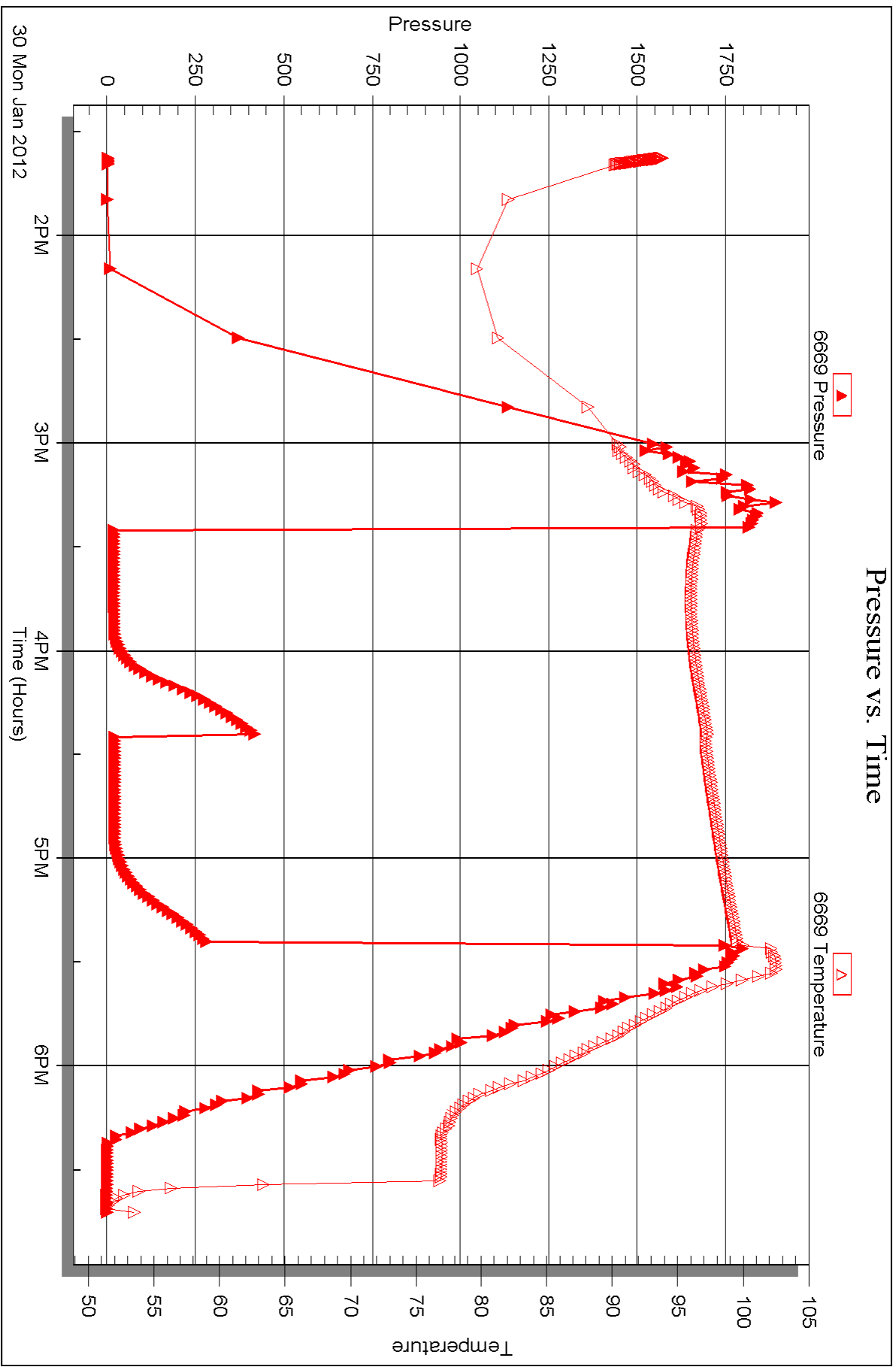
Serial #: 6669

Inside

Downing Nelson Oil Co Inc

23-9s-24w Graham,KS

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

23-9s-24w Graham,KS

Nickelson Farms 'C' #1-23

Start Date: 2012.01.31 @ 06:34:00

End Date: 2012.01.31 @ 13:35:30

Job Ticket #: 46276 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.03 @ 13:01:49

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

23-9s-24w Graham,KS

DST # 2

KC "H&I"

2012.01.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

ATTN: Al Downing

Job Ticket: 46276

DST#: 2

Test Start: 2012.01.31 @ 06:34:00

GENERAL INFORMATION:

Formation: **KC "H&I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:10:30
 Time Test Ended: 13:35:30
 Interval: **3880.00 ft (KB) To 3933.00 ft (KB) (TVD)**
 Total Depth: 3880.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 41
 Reference Elevations: 2438.00 ft (KB)
 2431.00 ft (CF)
 KB to GR/CF: 7.00 ft

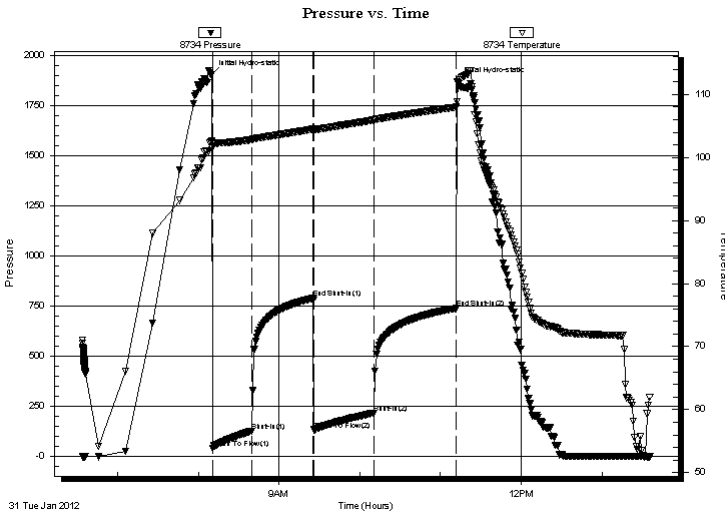
Serial #: 8734

Outside

Press @ Run Depth: 216.20 psig @ 3883.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.31 End Date: 2012.01.31 Last Calib.: 2012.01.31
 Start Time: 06:34:01 End Time: 13:35:30 Time On Btm: 2012.01.31 @ 08:10:00
 Time Off Btm: 2012.01.31 @ 11:12:30

TEST COMMENT: 30 - IF- B.O.B. in 13 Min.
 45 - IS- Weak surface blow, died in 10 Min.
 45 - FF- B.O.B. in 21 Min.
 60 - FS- No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.21	102.58	Initial Hydro-static
1	41.25	101.61	Open To Flow (1)
30	126.02	102.82	Shut-In (1)
75	788.27	104.50	End Shut-In (1)
76	131.40	104.39	Open To Flow (2)
121	216.20	105.94	Shut-In (2)
182	738.39	108.00	End Shut-In (2)
183	1869.68	108.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MV, Oil scum, 40%M, 60%W	1.46
310.00	MV, Oil scum, 5%M, 95%W	4.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46276

DST#: 2

ATTN: Al Downing

Test Start: 2012.01.31 @ 06:34:00

Tool Information

Drill Pipe:	Length: 3829.00 ft	Diameter: 3.80 inches	Volume: 53.71 bbl	Tool Weight: 2500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3880.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	81.00 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			3853.00	
Shut In Tool	5.00			3858.00	
Hydraulic tool	5.00			3863.00	
Jars	5.00			3868.00	
Safety Joint	2.00			3870.00	
Packer	5.00			3875.00	28.00 Bottom Of Top Packer
Packer	5.00			3880.00	
Stubb	1.00			3881.00	
Perforations	1.00			3882.00	
Change Over Sub	1.00			3883.00	
Recorder	0.00	6669	Inside	3883.00	
Recorder	0.00	8734	Outside	3883.00	
Blank Spacing	31.00			3914.00	
Change Over Sub	1.00			3915.00	
Perforations	15.00			3930.00	
Bullnose	3.00			3933.00	53.00 Bottom Packers & Anchor
Total Tool Length:	81.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46276 **DST#: 2**

ATTN: Al Downing

Test Start: 2012.01.31 @ 06:34:00

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: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

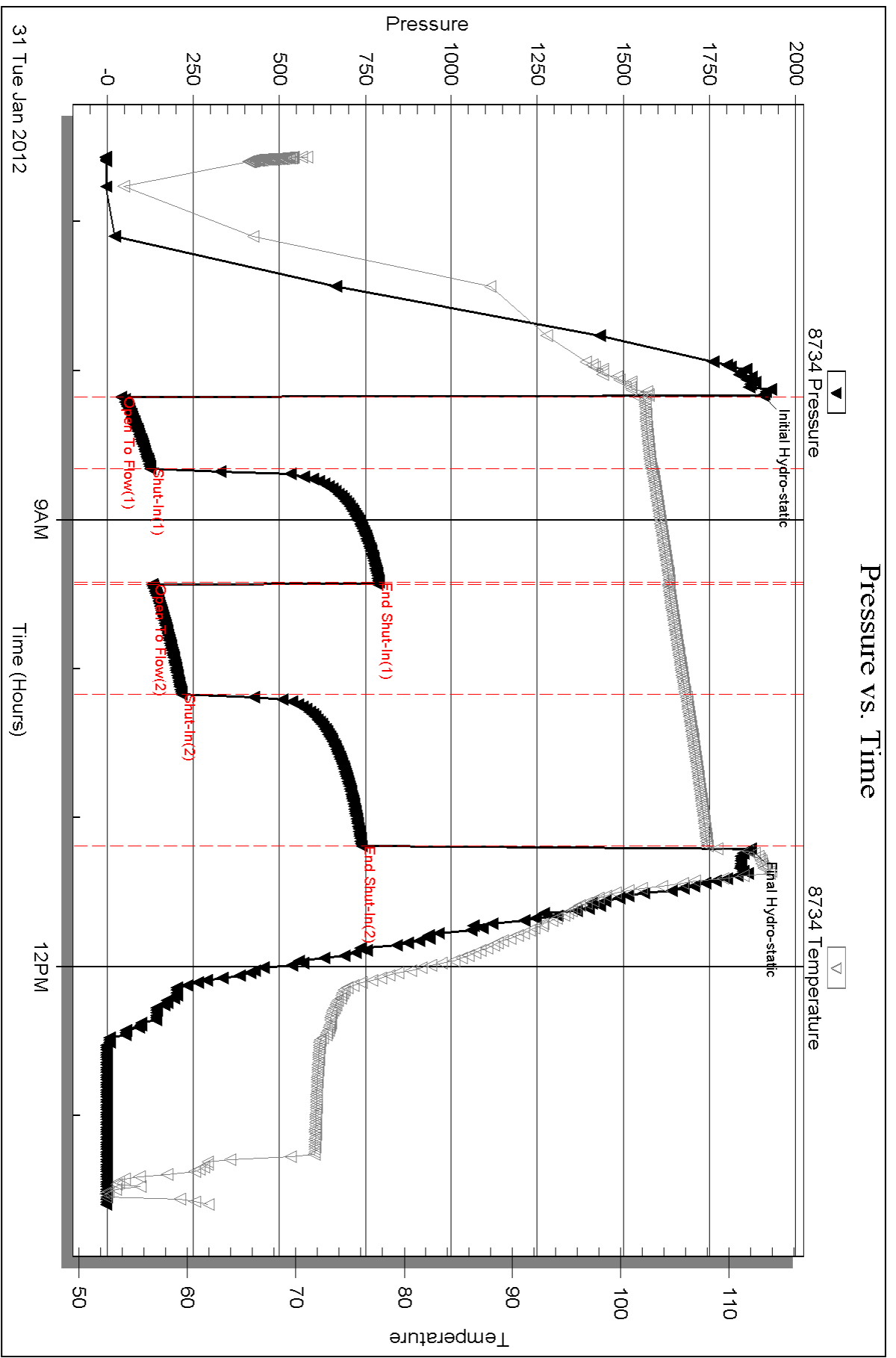
Length ft	Description	Volume bbl
124.00	MW, Oil scum, 40%M, 60%W	1.457
310.00	MW, Oil scum, 5%M, 95%W	4.348

Total Length: 434.00 ft Total Volume: 5.805 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



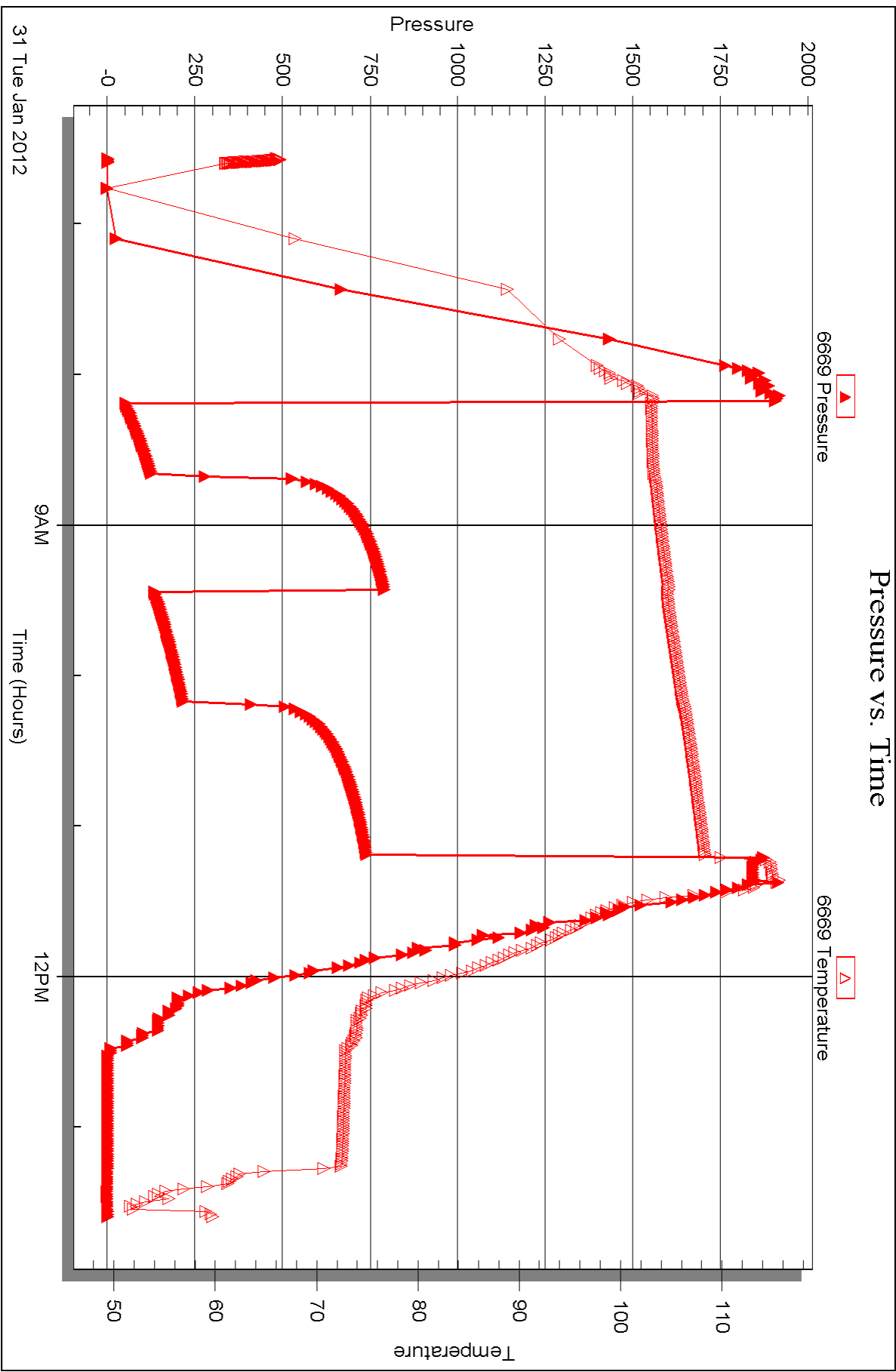
Serial #: 6669

Inside

Downing Nelson Oil Co Inc

23-95-24w Graham,KS

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

23-9s-24w Graham,KS

Nickelson Farms 'C' #1-23

Start Date: 2012.01.31 @ 21:44:00

End Date: 2012.02.01 @ 04:31:30

Job Ticket #: 46277 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.03 @ 13:01:04

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

23-9s-24w Graham,KS

DST # 3

KC "JK"

2012.01.31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

ATTN: Al Downing

Job Ticket: 46277

DST#: 3

Test Start: 2012.01.31 @ 21:44:00

GENERAL INFORMATION:

Formation: **KC "J,K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:26:30

Time Test Ended: 04:31:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3929.00 ft (KB) To 3975.00 ft (KB) (TVD)

Reference Elevations: 2438.00 ft (KB)

Total Depth: 3929.00 ft (KB) (TVD)

2431.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press@RunDepth: 56.71 psig @ 3964.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.31

End Date:

2012.02.01

Last Calib.:

2012.02.01

Start Time: 21:44:01

End Time:

04:31:30

Time On Btm:

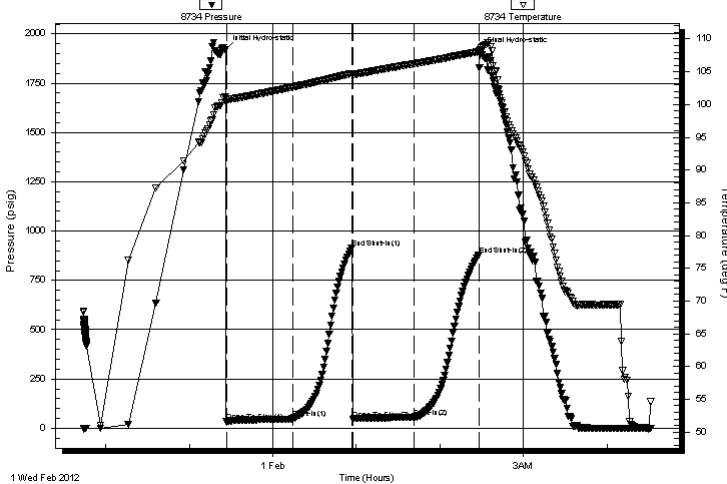
2012.01.31 @ 23:26:00

Time Off Btm:

2012.02.01 @ 02:29:00

TEST COMMENT: 45 - IF- 6" Blow
45 - IS- No blow back
45 - FF- 5" Blow
45 - FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.98	101.18	Initial Hydro-static
1	33.03	100.38	Open To Flow (1)
48	49.43	102.65	Shut-In(1)
91	914.05	104.72	End Shut-In(1)
92	44.26	104.56	Open To Flow (2)
136	56.71	106.21	Shut-In(2)
182	879.79	108.05	End Shut-In(2)
183	1909.99	108.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMO, 5%G, 5%M, 90%O	0.59
0.00	62' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham, KS

ATTN: Al Downing

Job Ticket: 46277 **DST#: 3**

Test Start: 2012.01.31 @ 21:44:00

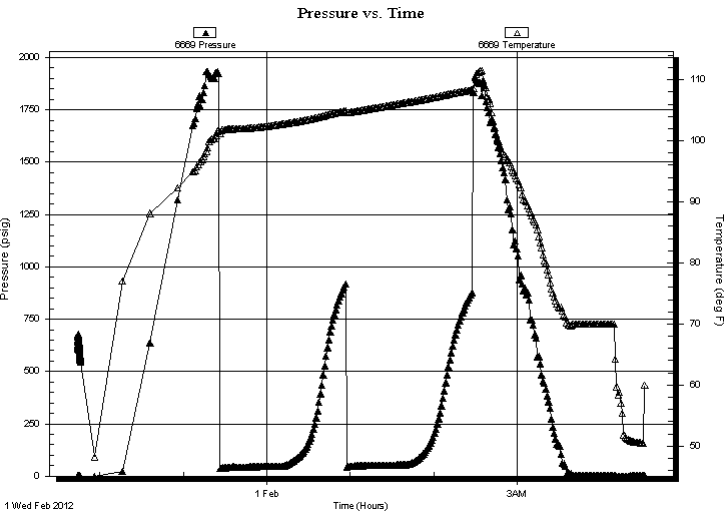
GENERAL INFORMATION:

Formation: KC "J,K"			
Deviated: No Whipstock: ft (KB)		Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 23:26:30		Tester: Cody Bloedorn	
Time Test Ended: 04:31:30		Unit No: 41	
Interval: 3929.00 ft (KB) To 3975.00 ft (KB) (TVD)		Reference Elevations: 2438.00 ft (KB)	
Total Depth: 3929.00 ft (KB) (TVD)		2431.00 ft (CF)	
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF: 7.00 ft	

Serial #: 6669 Inside

Press @ Run Depth: psig @ 3964.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.01.31 End Date: 2012.02.01	Last Calib.: 2012.02.01
Start Time: 21:44:01 End Time: 04:31:30	Time On Btm:
	Time Off Btm:

TEST COMMENT: 45 - IF- 6" Blow
 45 - IS- No blow back
 45 - FF- 5" Blow
 45 - FS- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMO, 5%G, 5%M, 90%O	0.59
0.00	62' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46277

DST#: 3

ATTN: Al Downing

Test Start: 2012.01.31 @ 21:44:00

Tool Information

Drill Pipe:	Length: 3892.00 ft	Diameter: 3.80 inches	Volume: 54.59 bbl	Tool Weight: 2500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 54.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3929.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 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			3902.00	
Shut In Tool	5.00			3907.00	
Hydraulic tool	5.00			3912.00	
Jars	5.00			3917.00	
Safety Joint	2.00			3919.00	
Packer	5.00			3924.00	28.00 Bottom Of Top Packer
Packer	5.00			3929.00	
Stubb	1.00			3930.00	
Perforations	1.00			3931.00	
Change Over Sub	1.00			3932.00	
Blank Spacing	31.00			3963.00	
Change Over Sub	1.00			3964.00	
Recorder	0.00	6669	Inside	3964.00	
Recorder	0.00	8734	Outside	3964.00	
Perforations	8.00			3972.00	
Bullnose	3.00			3975.00	46.00 Bottom Packers & Anchor
Total Tool Length:	74.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

Nickelson Farms 'C' #1-23

PO Box 1019
Hays, KS 67601

23-9s-24w Graham,KS

Job Ticket: 46277 **DST#: 3**

ATTN: Al Downing

Test Start: 2012.01.31 @ 21:44:00

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GMO, 5%G, 5%M, 90%O	0.587
0.00	62' of G.I.P.	0.000

Total Length: 62.00 ft Total Volume: 0.587 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

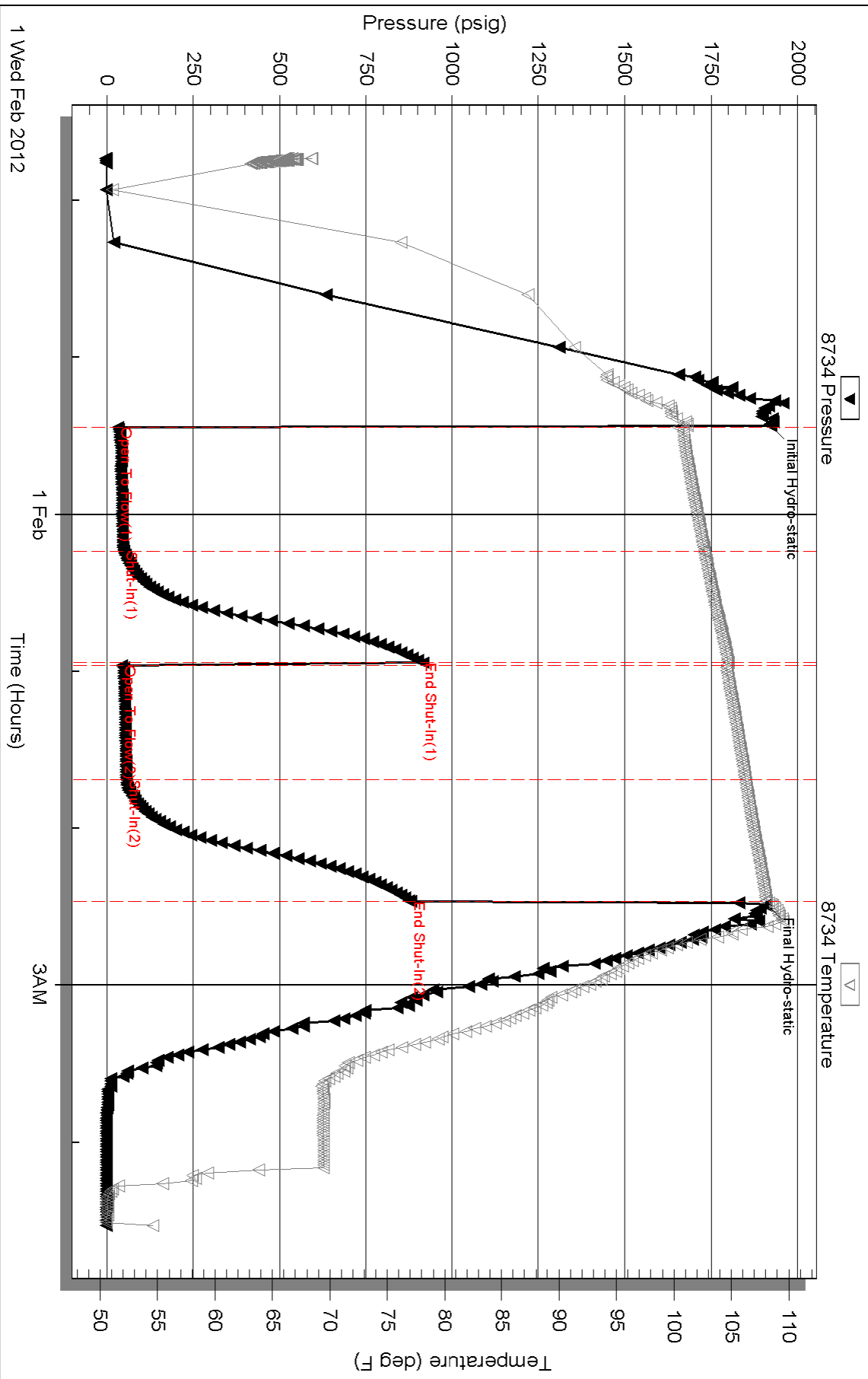
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



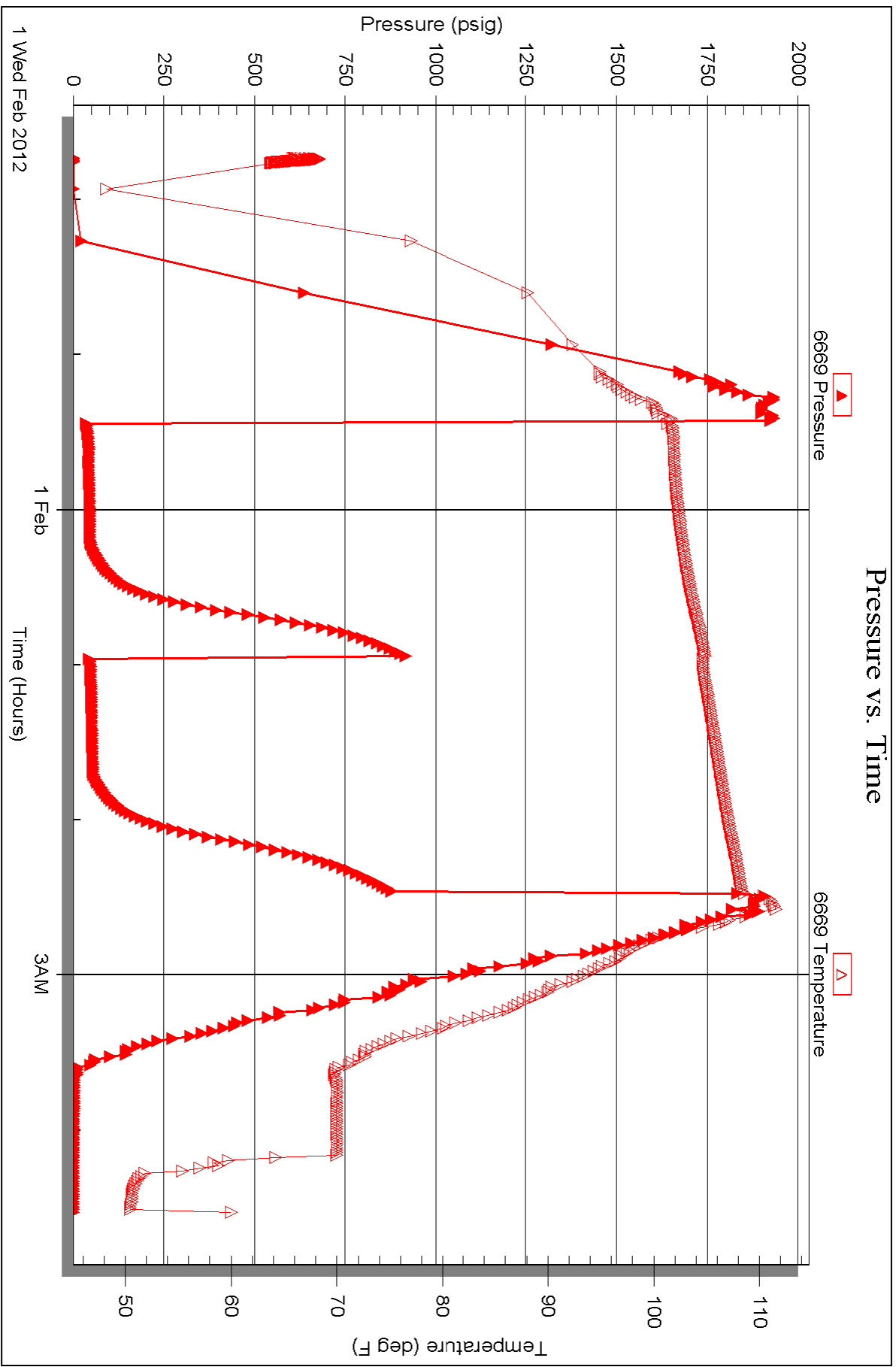
Serial #: 6669

Inside

Downing Nelson Oil Co Inc

23-9s-24w Graham,KS

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 31 2012

Test Ticket

NO. 46416

Well Name & No. Nickelson Ferns 'C' 1-23 BY: _____ Test No. 1 Date 1-30-12
 Company ONOC Elevation 2438 KB 2431 GL _____
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Al Downing Rig Discovery 1
 Location: Sec. 23 Twp. 9 Rge. 24 Co. Graham State ks

Interval Tested 3791-3830 Zone Tested LHC 'C-D'
 Anchor Length 39 Drill Pipe Run 3737 Mud Wt. 8.9
 Top Packer Depth 3786 Drill Collars Run 31 Vis 60
 Bottom Packer Depth 3791 Wt. Pipe Run _____ WL 8.0
 Total Depth 3830 Chlorides 1000 ppm System _____ LCM _____
 Blow Description FFP - 1/4" blow throughout
ISD - no blow back
FFP - no blow
FST - no blow back

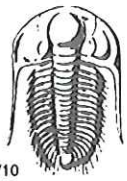
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>USOCM</u>	<u>3</u>		<u>97</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1827</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>1249</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1337</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1524</u>
(D) Initial Shut-In <u>426</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1724</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1841</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>116 RT 1102.40</u>	Comments <u>2' fill on bottom</u>
(G) Final Shut-In <u>287</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1792</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total _____
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1102.40</u>	

Approved By _____ Our Representative Brian Fabrik

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 03 2012

Test Ticket

NO. 46276

Well Name & No. Nickleon Farms "C" 1-23 BY: BY: Test No. 2 Date 1-31-12
 Company DNOC Elevation 2438 KB 2431 GL
 Address Po Box 1019, Hays, KS, 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 23 Twp. 9 Rge. 24 Co. Graham State KS

Interval Tested 3880-3933 Zone Tested "H&I"
 Anchor Length 53' Drill Pipe Run 3829 Mud Wt. 8.9
 Top Packer Depth 3875 Drill Collars Run 31 Vis 60
 Bottom Packer Depth 3880 Wt. Pipe Run - WL 8.0
 Total Depth 3933 Chlorides 1000 ppm System LCM -

Blow Description IF - B.O.B. in 13 Min.
ISI - Weak surface blow, died in 10 Min.
FF - B.O.B. in 21 Min
FSI - No blow back

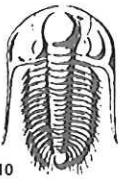
Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>MW, oil scum</u>		<u>95</u>	<u>5</u>	
<u>124</u>	<u>MW, oil scum</u>		<u>60</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 434 BHT 108° Gravity - API RW @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1905 Test 1125' T-On Location 6:10am
 (B) First Initial Flow 41 Jars 250' T-Started 6:34am
 (C) First Final Flow 126 Safety Joint 75' T-Open 8:11am
 (D) Initial Shut-In 788 Circ Sub _____ T-Pulled 11:11am
 (E) Second Initial Flow 131 Hourly Standby _____ T-Out 1:35pm
 (F) Second Final Flow 216 Mileage 116 RT 162.40 Comments _____
 (G) Final Shut-In 738 Sampler _____
 (H) Final Hydrostatic 1869 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1612.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1612.40

Approved By _____ Our Representative Cody Bledorn

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 03 2012
BY: _____

Test Ticket

NO. 46277

Well Name & No. Nickelson Farms "C" 1-23 Test No. 3 Date 1-31-12
 Company Po Box 1019, Hays KS, 67601 1/2 Elevation 2438 KB 2431 GL
 Address DNOC
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 23 Twp. 9 Rge. 24 Co. Graham State K5

Interval Tested 3929-3975 Zone Tested KC "J,k"
 Anchor Length 46' Drill Pipe Run 3892 Mud Wt. 8.8
 Top Packer Depth 3924 Drill Collars Run 31 Vis 58
 Bottom Packer Depth 3929 Wt. Pipe Run — WL 7.6
 Total Depth 3975 Chlorides 1,000 ppm System LCM —
 Blow Description IF - 6" blow
ISI - No blow back
FF - 5" blow
FSE - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>6 MO</u>	<u>5</u>	<u>90</u>	<u>5</u>	<u>5</u>
<u>—</u>	<u>62' of G.I.P.</u>				
<u>—</u>	<u>—</u>				
<u>—</u>	<u>—</u>				
<u>—</u>	<u>—</u>				

Rec Total 62 BHT 108° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1921</u>	<input checked="" type="checkbox"/> Test <u>1125-</u>	T-On Location <u>9:20 pm</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250-</u>	T-Started <u>9:44 pm</u>
(C) First Final Flow <u>49</u>	<input checked="" type="checkbox"/> Safety Joint <u>75-</u>	T-Open <u>11:27 pm</u>
(D) Initial Shut-In <u>914</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2:27 am</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>4:33 am</u>
(F) Second Final Flow <u>56</u>	<input checked="" type="checkbox"/> Mileage <u>116 RT 1162.40</u>	Comments <u>116 RT - Picked up tool. Had to go back to get it.</u>
(G) Final Shut-In <u>879</u>	<input type="checkbox"/> Sampler <u>x2 324.80</u>	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1909</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1774.80</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1774.80</u>	

Approved By _____ Our Representative Cody Bledorn

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.

