



KANSAS CORPORATION COMMISSION 1060019
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: _____



1060019

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	Befort 1-12
Doc ID	1060019

All Electric Logs Run

Micro
Sonic
Dual Induction
Density/Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Befort 1-12
Doc ID	1060019

Tops

Name	Top	Datum
Top Anhydrite	1444	+734
Base	1486	+692
Topeka	3186	-1008
Heebner	3434	-1256
Toronto	3454	-1276
LKC	3482	-1304
BKC	3708	-1530
Arbuckle	3824	-1646

Form	ACO1 - Well Completion
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3653' to 3655'	500 gal. 15% Mud Acid	3653' to 3655', 3629' to 3631' and 3638' to 6341'
4	3629' to 3631' and 3638' to 6341'		
4	3526' to 3529'	250 gal. 15% Mud Acid	
4	3507' to 3510'	250 gal. 15% Mud Acid	3507' to 3510'
4	3454' to 3456' and 3457' to 3460'	250 gal. 15% Mud Acid	3454' to 3456' and 3457' to 3460'
		750 gal. 15% INS Acid	3454' to 3456' and 3457' to 3460'
		CIBP	3490'

JOB LOG

SWIFT Services, Inc.

DATE 5-13-11 PAGE NO. 1

CUSTOMER Downing & Nelson WELL NO. 1-12 LEASE Befort JOB TYPE Cement 5 1/2" Longstring TICKET NO. 1949.5

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0530							On location w/ F.E. - Rig changing over
	0630							Start 5 1/2" 14#/ft casing to 3926'
								Insert Float Shoe w/ Auto-Fill
								D.V. L.D. Baffle - 55-1824 @ 3928
								Cent collars 1-3-5-7-9-11-59
								Cut Basket #60 Pin
								D.V #60 collar @ 1416'
								Drop Fall up ball & 5ts out
	0745							Finish Run casing - Tag bottom
	0750							Start CIR & Rotate Casing
	0830							Fin CIR - 1st stage - (Take on Mud)
	0840	6	12				200	Pump 500 gal Mud flush
		6	20				200	Pump 20 BBI KCL flush
	0845		(32)					Fin flushes
							200	Start 150 SKS EA-2 cut
	0855	4	32				150	Fin cut - Washout Pump throat
		9					300	Drop D.V. L.D. Plug - Start Disp
		9					300	(60 H ₂ O - 20 Mud - 15 1/2 KCL flush)
		8	75				400	Caught press @ 75 B1 - Slow rate
		6 1/2	90				500/450	slow rate
		5 1/2	93				600/500	slow rate
	0910		95 1/2				800/600	Plug Down - Hold - Release & Hold
								Drop D.V. opening device
			8 1/2					Plug RH 30SKS mud & MH 15SKS mud.
		0	5				1150/900	Open D.V. with rest of KCL flush
		6	3				250	Start 135 SKS mud - 2 nd stage
		6	75				See	Fin cut -
								Drop D.V. closing Plug.
		6					200	Start Disp
		6	15				300	(@ 15 BBI) cut CIR to surface
		6	30				400	(@ 30 BBI)
	0950						150/1400	Plug Down - D.V. closed - hold
	0955						0	Release & Hold
	1000							Job Comp take 40 SKS cut CIR to Pit
								Washup & Realign
								Thanks Alan, Doug & John
	1030							

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

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

No. 4272

Date	5-7-11	Sec.	12	Twp.	14	Range	19	County	Ellis	State	Ks	On Location		Finish	5:15p.m.
Lease	Bofort		Well No.	1-12		Location	Hwy 183 1S 3 1/2 W N 10th								
Contractor	Discovery 4					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.								
Type Job	Surface					Charge To	Downing-Nelson								
Hole Size	12 1/4		T.D.	220		Depth	218								
Csg.	8 5/8		Depth												
Tbg. Size	Depth														
Tool	Depth														
Cement Left in Csg.	10-15		Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace	13 1/4 BBI		Cement Amount Ordered	150 com 3 Y 2								

EQUIPMENT

Pumptrk	1	No.	Cementer	Brian	Common	150
			Helper			
Bulktrk	3	No.	Driver	Dave	Poz. Mix	
			Driver			
Bulktrk		No.	Driver	Brian	Gel.	3
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 150
	Mileage

Cement Circulated

FLOAT EQUIPMENT

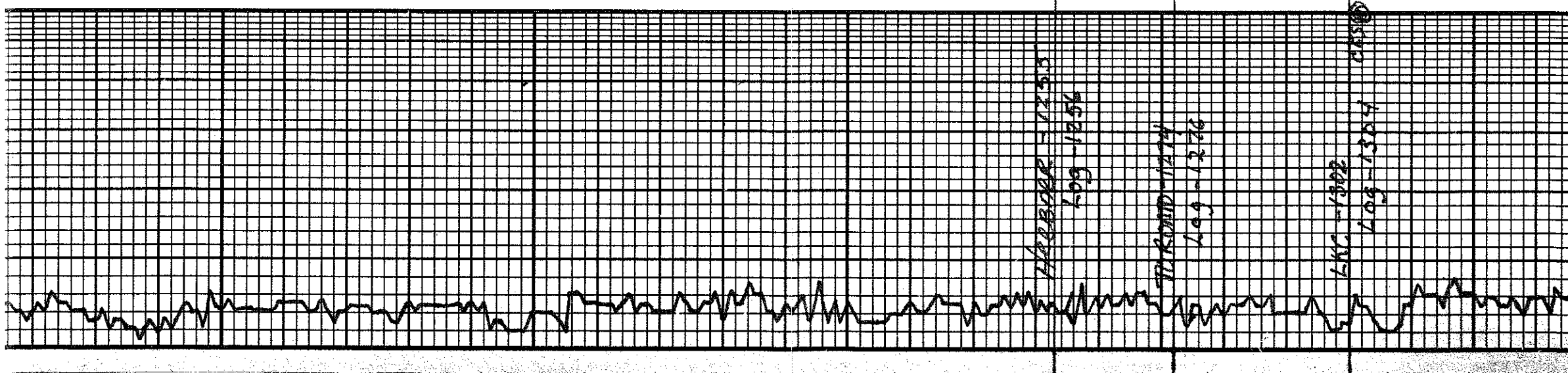
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Quality Oilwell
Cementing

Pumptrk Charge *Surface*
Mileage *5*

Tax
Discount
Total Charge

X Signature *[Signature]*



3300

50

3400

50

3500

LS wh grey v. fine xyl. conifer
 wood NS.

Chky tan LS low foss. fr. xyl
 wood, p. fine wood NS.

sh blk carb

dk grey sh

dns wh. Hgy xyl. NS.

grey beds

chky tan LS med xyl. fr. wood

w/low p. calc. tan xyl. NS.

sh grey brn

sh blks carb

sh grey

LS tan. H. med xyl. med d. as
 mo xyl. sm chky in pt
 friable NS

foss. as. w/ fr. wood in foss
 NS.

grey sh

LS tan f. med xyl. sm succ. xyl.
 sm chky fr. wood in brn yel
 sh NS to friable

tan med xyl. sh chky NS.

dns tan LS, fr. v. thin xyl
 pr. w/ fr. NS.

sh blk carb

sh dk grey

LS sm. foss. sm mo succ. xyl. w/ fr. wood
 sh low. calc. set. brn sh. fr. -90 pp.
 xyl. & foss. sm. tan. wh. sm. sh. l. l.

LS tan. w. thin xyl. dns pr. xyl. sh
 NS.

sh dk grey. grey

blk

LS wh v. fine xyl. dns pr. xyl. sh
 sh grey NS.

LS tan. w. v. fr. xyl. dns
 pr. xyl. NS.

w/ sh grey. blk

LS tan. mo xyl. w/ fr. wood
 fr. brn. sp. sh. fr. -20/ fr. xyl. sh
 fr. wood. p. as. to med.

DST #1
 3427' - 3482'
 45" 45" 45" 45"
 1st of 1308 29"
 2nd of 7" Blow
 NO S I Blow
 IFP 35-47
 FFP 44-57
 SIP 308-315
 HP 1642-1634
 Rec: 150' gip
 65' HOCM
 35' 200cc 65' 90mm
 BHT 1050

	DRILLING TIME Minutes/Foot 5" 10" 15" 20" 25" Rate of Penetration Decreases	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS	

CONTRACTOR DISCOVERY DRILLING Rig #4
 LEASE Beafort #1-17 IP RR-LKC
 ELEVATION 2178' LKB RTD 3925

LOCATION 530' ESL E 1520' FWC
 SEC. 12 TWP 14S RNG 19W
 COUNTY ELLIS STATE Kansas



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ks 67601

12-14-19 Ellis, Ks

Job Ticket: 42566

DST#: 1

ATTN: Gator

Test Start: 2011.05.10 @ 23:48:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:36:49

Time Test Ended: 06:09:19

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3427.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2178.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 56.88 psig @ 3433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.10

End Date:

2011.05.11

Last Calib.:

2011.05.11

Start Time: 23:48:50

End Time:

06:09:19

Time On Btm:

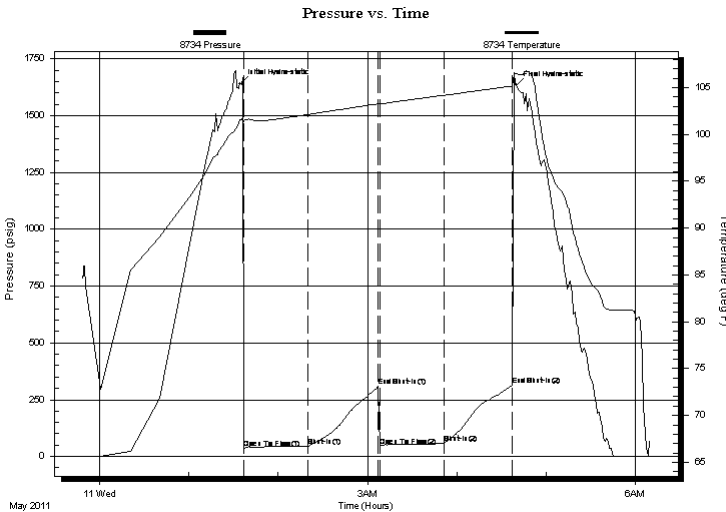
2011.05.11 @ 01:34:49

Time Off Btm:

2011.05.11 @ 04:39:49

TEST COMMENT: IFP - BOB 22 min
ISI - no blow back
FFP - weak to good blow 1/4" - 7"
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.60	101.58	Initial Hydro-static
2	35.20	101.31	Open To Flow (1)
45	46.91	102.12	Shut-In(1)
93	307.86	103.27	End Shut-In(1)
94	44.02	103.24	Open To Flow (2)
137	56.88	104.17	Shut-In(2)
183	315.15	105.14	End Shut-In(2)
185	1633.67	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	HOCM 35%O, 65%M	0.63
0.00	150' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ks 67601

12-14-19 Ellis, Ks

Job Ticket: 42566

DST#: 1

ATTN: Gator

Test Start: 2011.05.10 @ 23:48:49

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: 79.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

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
65.00	HOCM 35%O, 65%M	0.629
0.00	150' GIP	0.000

Total Length: 65.00 ft Total Volume: 0.629 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

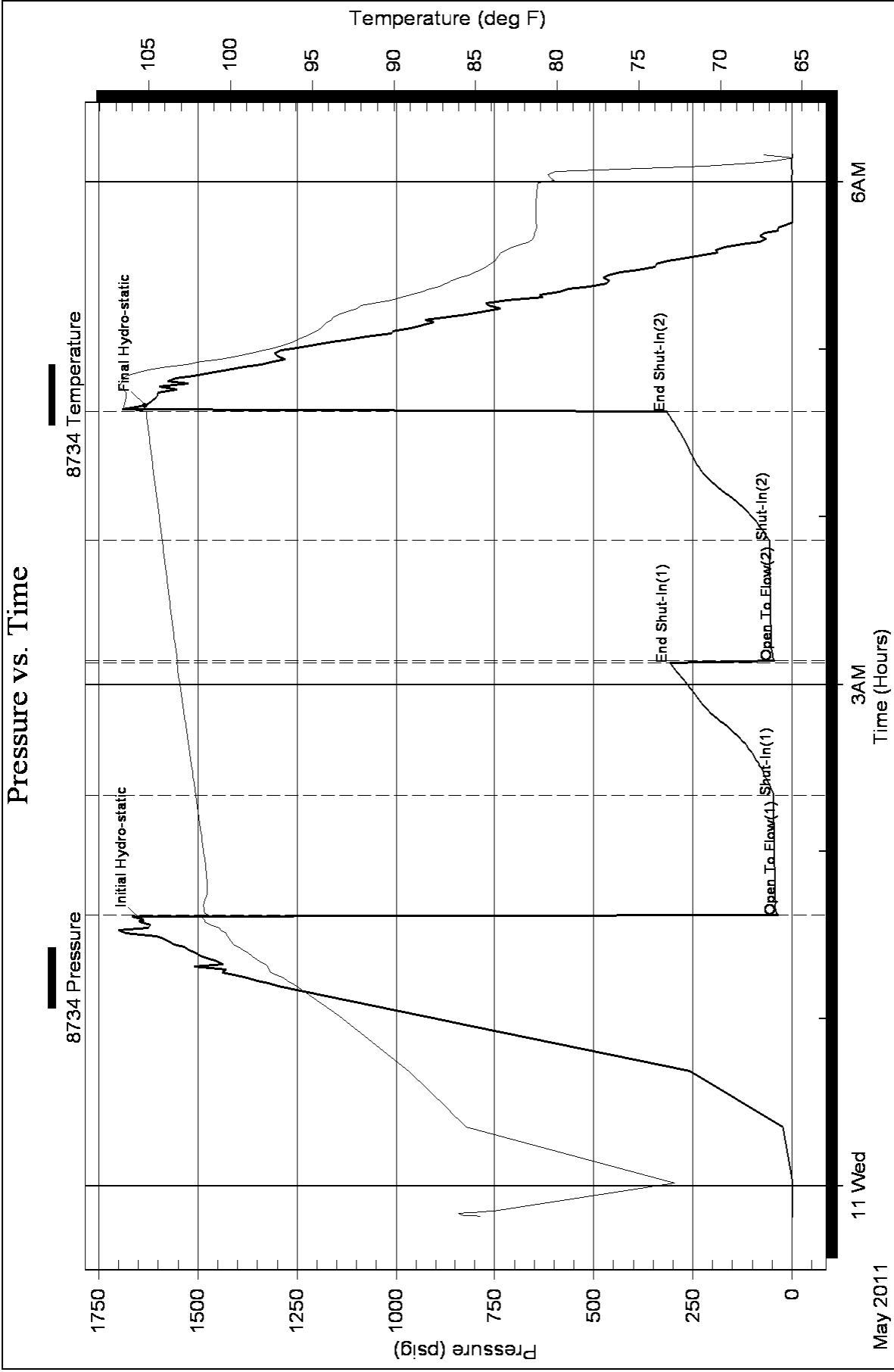
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ks 67601

12-14-19 Ellis, Ks

ATTN: Gator

Job Ticket: 42567

DST#: 2

Test Start: 2011.05.12 @ 02:14:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:19

Time Test Ended: 07:25:19

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3743.00 ft (KB) To 3793.00 ft (KB) (TVD)

Reference Elevations: 2178.00 ft (KB)

Total Depth: 3793.00 ft (KB) (TVD)

2170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 34.11 psig @ 3748.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.12 End Date: 2011.05.12

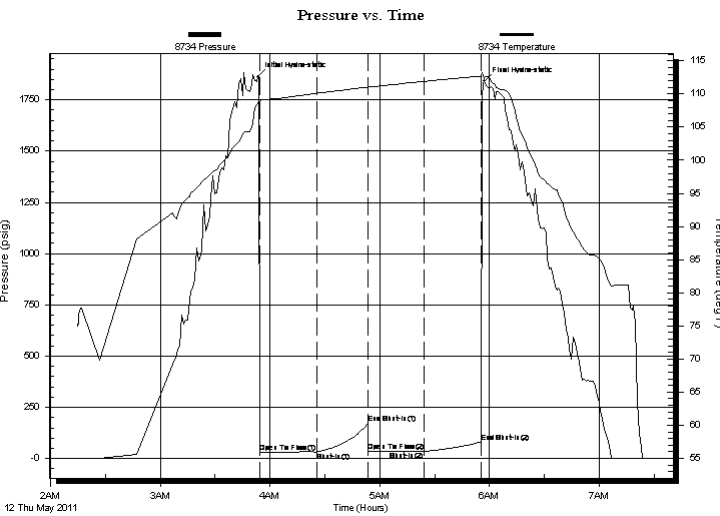
Last Calib.: 2011.05.12

Start Time: 02:14:50 End Time: 07:25:19

Time On Btm: 2011.05.12 @ 03:53:19

Time Off Btm: 2011.05.12 @ 05:57:19

TEST COMMENT: IFP - sur blow - died 14 min
ISI - no blow back
FFP - no blow
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.61	108.53	Initial Hydro-static
1	30.69	108.88	Open To Flow (1)
32	32.32	110.08	Shut-In(1)
60	170.28	111.05	End Shut-In(1)
61	34.75	111.03	Open To Flow (2)
91	34.11	111.91	Shut-In(2)
122	81.07	112.70	End Shut-In(2)
124	1840.92	112.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%O, 95%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ks 67601

12-14-19 Ellis, Ks

Job Ticket: 42567

DST#: 2

ATTN: Gator

Test Start: 2011.05.12 @ 02:14:49

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 5%O, 95%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

