



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: _____



1052930

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	Johnson 1-13
Doc ID	1052930

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density/Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Johnson 1-13
Doc ID	1052930

Tops

Name	Top	Datum
Top Anhydrite	1408	+744
Base Anhydrite	1448	+704
Topeka	3157	-1005
Heebner	3405	-1253
Toronto	3425	-1273
LKC	3452	-1300
BKC	3682	-1530
Arbuckle	3754	-1602



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

Job Ticket: 41666

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.01.17 @ 09:12:14

GENERAL INFORMATION:

Formation: **LKC C-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:09

Time Test Ended: 15:16:08

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3454.00 ft (KB) To 3526.00 ft (KB) (TVD)

Reference Elevations: 2148.00 ft (KB)

Total Depth: 3454.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @ Run Depth: 51.62 psig @ 3460.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.17

End Date: 2011.01.17

Last Calib.: 2011.01.17

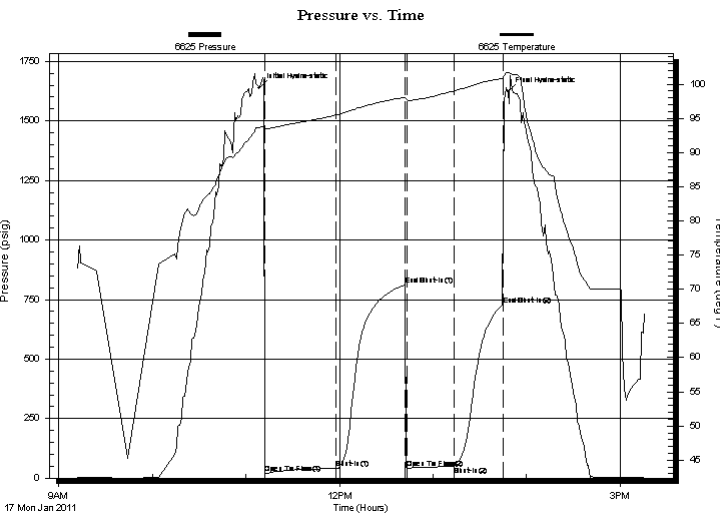
Start Time: 09:12:14

End Time: 15:16:08

Time On Btm: 2011.01.17 @ 11:08:39

Time Off Btm: 2011.01.17 @ 13:48:08

TEST COMMENT: IFP-w k bl 1/4"to 1"bl
ISIP-no bl bk
FFP-w k bl 1/4"to 1/2"bl
FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1639.05	93.69	Initial Hydro-static
4	18.03	93.49	Open To Flow (1)
49	40.48	95.48	Shut-In(1)
94	812.24	98.09	End Shut-In(1)
95	42.71	97.71	Open To Flow (2)
125	51.62	99.05	Shut-In(2)
156	728.98	100.87	End Shut-In(2)
160	1624.43	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	55'GIP	0.00
65.00	O&GCM 5%G5%O90%M	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

Job Ticket: 41666

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.01.17 @ 09:12:14

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	55'GIP	0.000
65.00	O&GCM 5%G5%O90%M	0.638

Total Length: 65.00 ft Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

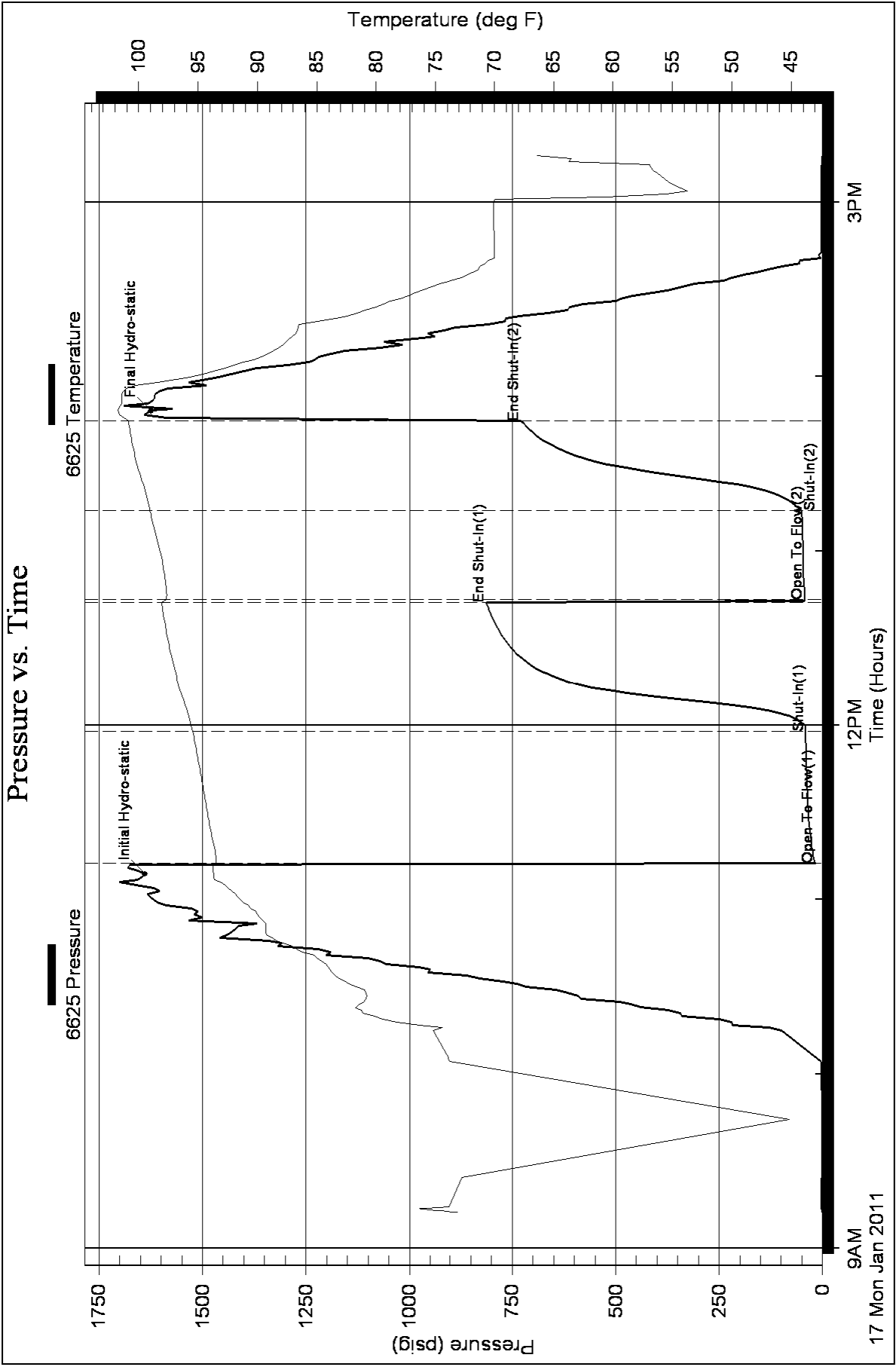
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

ATTN: Ron Nelson

Job Ticket: 41667

DST#: 2

Test Start: 2011.01.18 @ 00:24:58

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:33:23

Time Test Ended: 06:27:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3562.00 ft (KB) To 3618.00 ft (KB) (TVD)

Reference Elevations: 2148.00 ft (KB)

Total Depth: 3618.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @ RunDepth: 33.84 psig @ 3564.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.18

End Date:

2011.01.18

Last Calib.:

2011.01.18

Start Time: 00:24:58

End Time:

06:27:52

Time On Btm:

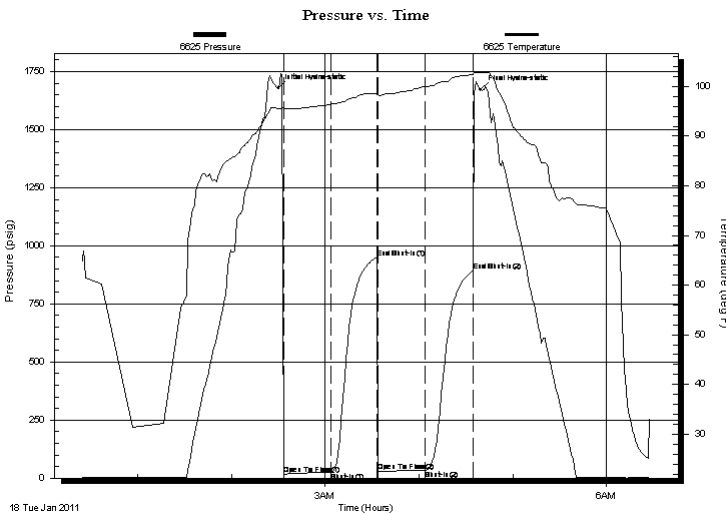
2011.01.18 @ 02:29:53

Time Off Btm:

2011.01.18 @ 04:39:23

TEST COMMENT: IFP-w k bl 1/4"to 1/2"bl
ISIP-no bl bk
FFP-w k bl 1/4"
FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.07	95.60	Initial Hydro-static
4	16.38	95.48	Open To Flow (1)
34	26.44	96.40	Shut-In(1)
64	948.05	98.59	End Shut-In(1)
64	27.57	98.29	Open To Flow (2)
94	33.84	99.94	Shut-In(2)
125	893.33	102.43	End Shut-In(2)
130	1672.24	102.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/show of oil	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

Job Ticket: 41667

DST#: 2

ATTN: Ron Nelson

Test Start: 2011.01.18 @ 00:24:58

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:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/show of oil	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

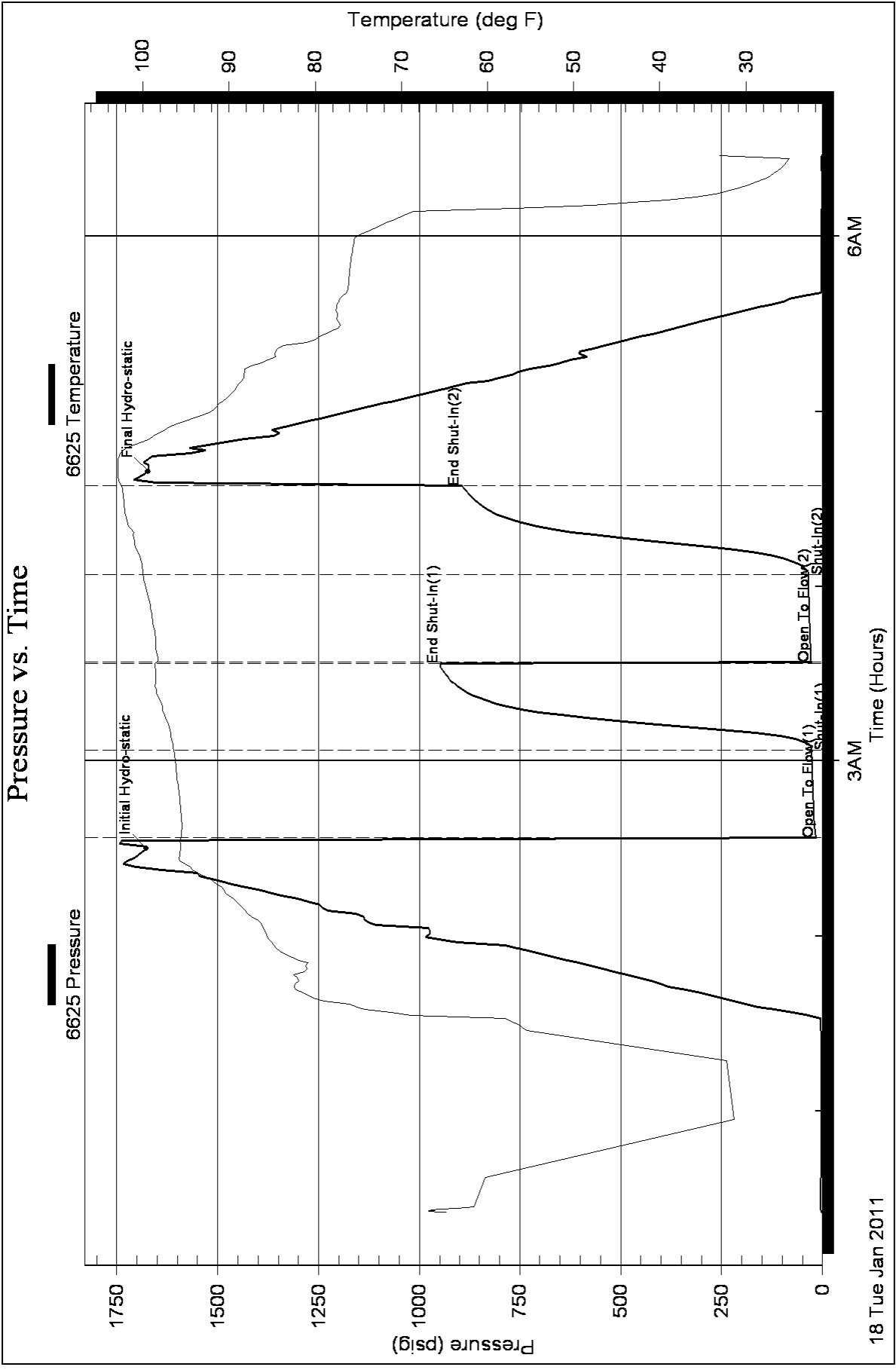
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis KS

ATTN: Ron Nelson

Job Ticket: 41668

DST#: 3

Test Start: 2011.01.19 @ 08:32:33

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:58

Time Test Ended: 15:12:27

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: 3758.00 ft (KB) To 3785.00 ft (KB) (TVD)

Reference Elevations: 2148.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 116.70 psig @ 3766.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.19 End Date: 2011.01.19

Last Calib.: 2011.01.19

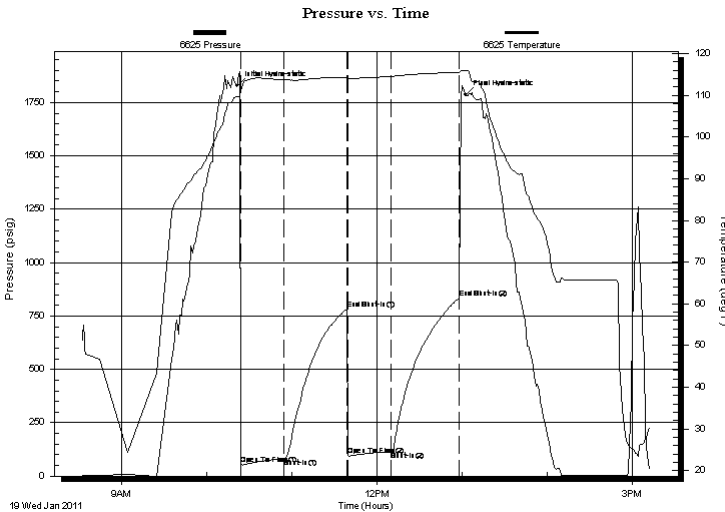
Start Time: 08:32:33 End Time: 15:12:27

Time On Btm: 2011.01.19 @ 10:21:28

Time Off Btm: 2011.01.19 @ 13:02:27

TEST COMMENT: IFP-w k to strg in 5 min
ISIP-surface to 1/4"bl bk
FFP-w k to a gd bl 1"to 6"bl
FSIP-surface bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.82	109.59	Initial Hydro-static
3	54.22	111.13	Open To Flow (1)
33	82.97	113.79	Shut-In(1)
78	783.22	114.38	End Shut-In(1)
78	95.61	114.17	Open To Flow (2)
109	116.70	114.52	Shut-In(2)
157	835.36	115.54	End Shut-In(2)
161	1786.70	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MGO 20%G20%M60%O	0.99
170.00	CO	2.38
0.00	110'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

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis KS

Job Ticket: 41668

DST#: 3

ATTN: Ron Nelson

Test Start: 2011.01.19 @ 08:32:33

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	MGO 20%G20%M60%O	0.989
170.00	CO	2.385
0.00	110'GIP	0.000

Total Length: 260.00 ft Total Volume: 3.374 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

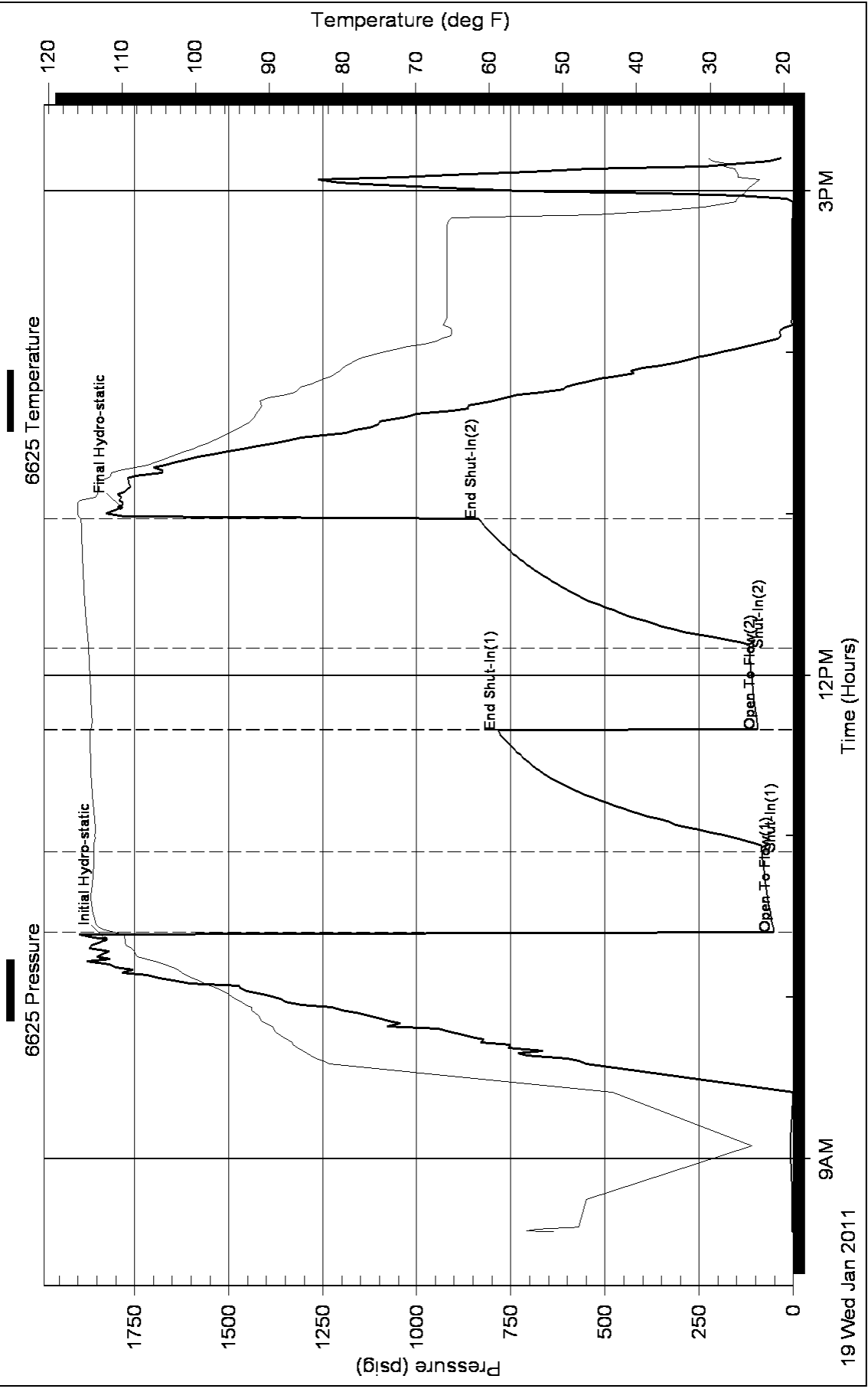
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

ATTN: Ron Nelson

Job Ticket: 41669

DST#: 4

Test Start: 2011.01.19 @ 16:03:19

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:14

Time Test Ended: 23:41:43

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: 3786.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 2148.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @ Run Depth: 489.12 psig @ 3791.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.19

End Date: 2011.01.19

Last Calib.: 2011.01.20

Start Time: 16:03:19

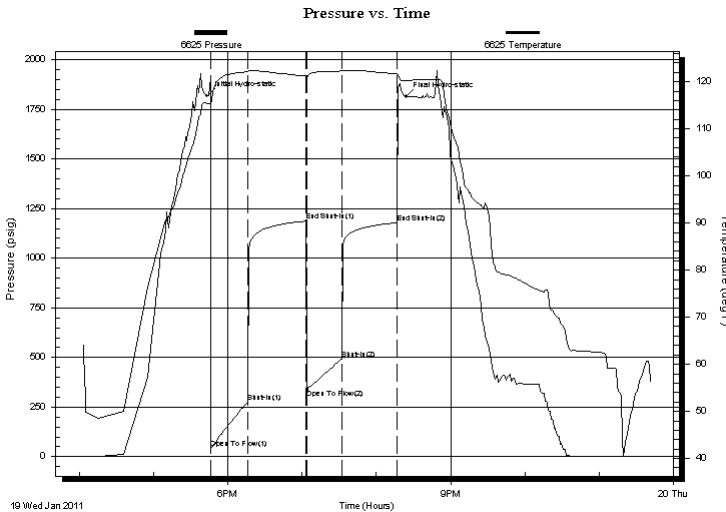
End Time: 23:41:43

Time On Btm: 2011.01.19 @ 17:43:14

Time Off Btm: 2011.01.19 @ 20:24:13

TEST COMMENT: IFP-w k to strg in 3 min
ISIP-surface to 1/4"bl bk
FFP-w k to strg in 6 min
FSIP-surface bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1818.57	115.42	Initial Hydro-static
3	40.99	115.11	Open To Flow (1)
33	272.83	122.13	Shut-In(1)
80	1186.81	121.18	End Shut-In(1)
81	294.13	120.88	Open To Flow (2)
109	489.12	122.26	Shut-In(2)
154	1179.11	121.73	End Shut-In(2)
161	1814.14	120.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
760.00	Water	10.39
125.00	OCMW 10%O20%M70%W	1.75
115.00	CO	1.61
0.00	200'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O Box 372
Hays Ks 67601-0372

13-14s-19w Ellis

Job Ticket: 41669

DST#: 4

ATTN: Ron Nelson

Test Start: 2011.01.19 @ 16:03:19

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.93 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 30 deg API
Water Salinity: 24000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
760.00	Water	10.388
125.00	OCMW 10%O20%M70%W	1.753
115.00	CO	1.613
0.00	200'GIP	0.000

Total Length: 1000.00 ft Total Volume: 13.754 bbl

Num Fluid Samples: 0

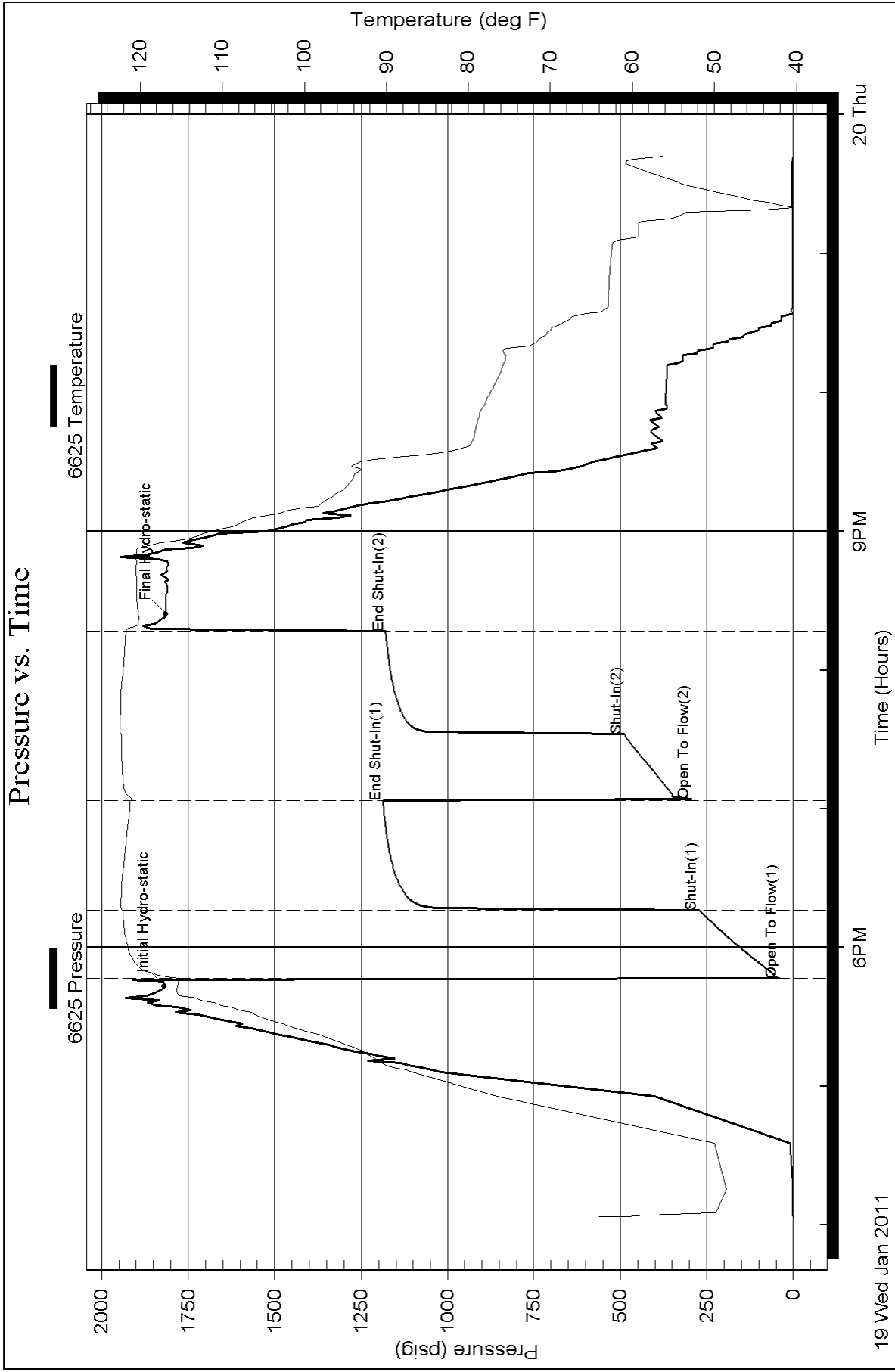
Num Gas Bombs: 0

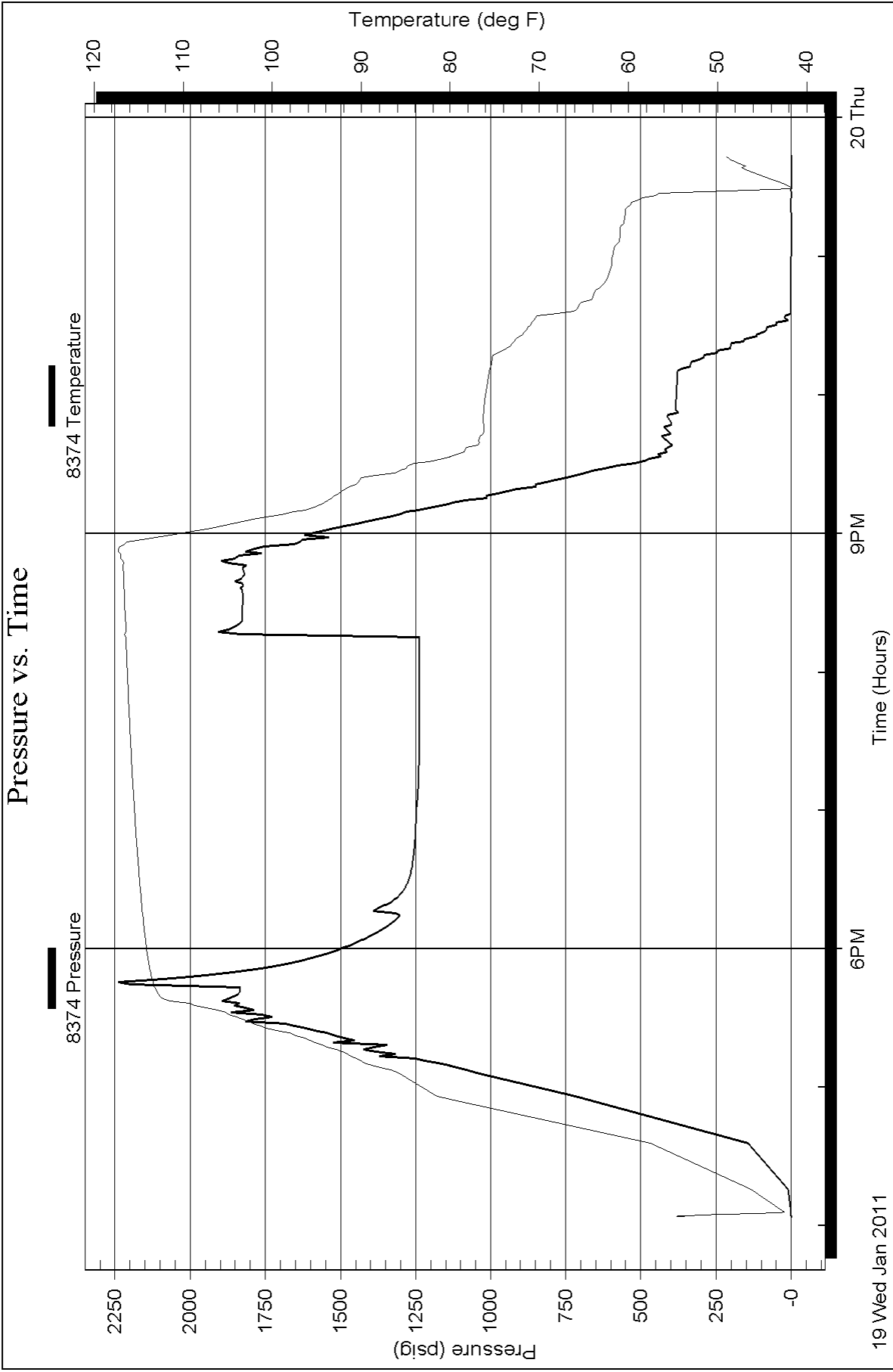
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .38 @ 51F





1460
Mudstone
1450-1460

3050

3100

50

1400
1350-1400

3200

LS: lsnt, fm-v fuxls. Mostly
v shlk g. fm 6ml acc dx,
Totally barren

Sm: gry

LS: lsnt. +om, fm xls,
mostly A1A, pss,

Sm: gry

LS: lsnt, fm xls, ex
subxl w/ foss. All
pss, nr.

LS: tan-wht, fine med
xln, subxln, fr intxln
\$. Rx frag wtd w/
depth, All NS.

LS: Mostly AIA sub
xln, fr intxln\$, All
NS.

LS: wnt-tan, fine med
xln, wtd, chalky NS.

Sh: Black Carb

Sh: ben-rod

LS: wnt, fine-med xln, fr
intxln\$, v. chalky. few sil
foss, All NS.

LS: wnt, v. fine-med xln,
v. dms w/ no visk.

Scat subxln or, All
NS.

Sh: grg

LS: wnt, fine xln, subxln
Nls fr outgy foss chts.
Sh: Black Carb

Sh: 30

LS: wnt, fine-med xln,
subxln w/ scat dms v.
All NS, scat foss chts.

LS: wnt, fine-med xln, subxln-
chalk, frag dms w/ poor
N, NS.

LS: wnt-tan, fine xln, mostly
chalk & boron. 2-3 ps w/
fr. pp. It ben sil, NSF, No
Od. Scat Foss.

LS: wnt-tan, fine med Foss,
pr intxln\$, NS. Scat
grg on int beds.

Sh: Black Carb

Sh: grg

LS: wnt, v. fine xln, sub
xln in prt. Mostly dms
w/ no visk, NS.

Sh: grg-dk grg, blk

LS: wnt, v. fine xln, v. dms, No
visk.

50

3300

50

3400

50

Vis: 54 Lat: 9.8

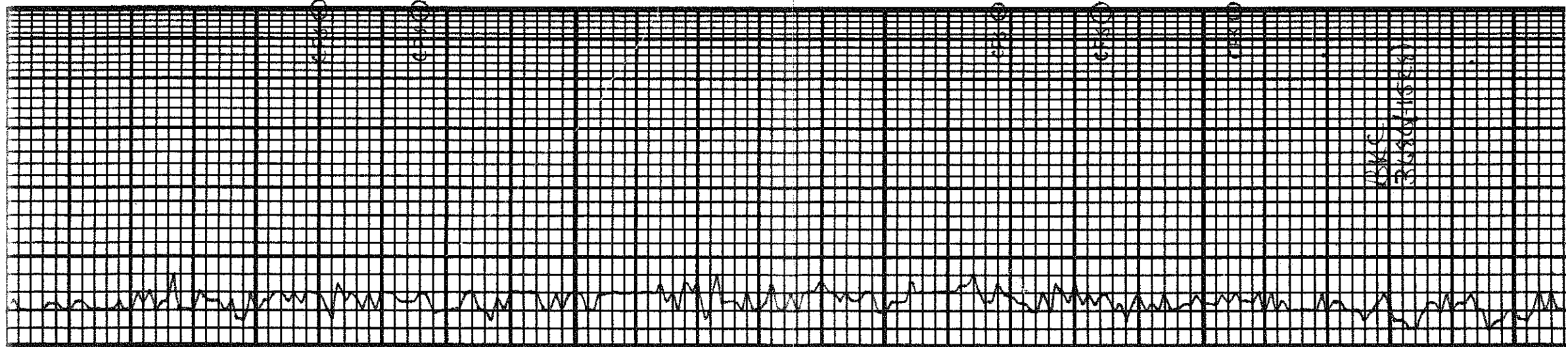
DST #1

7.1.10 27

HEERMAN
STONER

TOWNSEND
STONER

W/C
STONER



LS: tom, fu xln, dms. 6u int bnd.	LS: unt, fu xln, mostly adv. 3-4 pas pr adv, 6m dms in g, NSFO, No ad.	LS: fu xln, v dms w/ pr, NS	Sh: gry	LS: tom, fu-nd xln, fu int, g slty title, fr bon str, spdd	LS: tom, fu-nd xln, fu int, g, 1+ str, rona sfo, No ad. Rk title.	LS: unt- tom, fu xln, sub xln, fr, spdd str, NSFO, No ad.	Sh: gry	LS: unt, fu-nd xln, chky.	Rx teng dms w/ pr	6 NS.	Sh: gry	Sh: dk gry	Sh: gry	LS: unt, fu-nd xln, pr w/ int dx.	Sh: gry	LS: tom, fu xln, snc w/ sml foss. Fr-3d int xln some total cat, gd sfo, 11 ad.	Sh: dk gry	LS: unt, nd xln, foss. pr- fr int foss title, scst bon str, NSFO, No ad.	LS: unt, fu-nd xln, scst	all mostly sub xln, teng dms w/ pr, All NS.	LS: Mostly AIA, pr, pr, rx chky in pr, NS.	Sh: lt gry	LS: unt- com, fu xln, sub xln, NS	Sh: bon	LS: unt. tom, mostly dms. 2-3 pas w/ spdd sfo in fr vug. No ad.	LS: tom- unt, w/ 1d,
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DST # 1

3500

DST # 2

3600

50

3700

70 25-30-30
IFP: 19-40
FFP: 42-51
SIP: 812-728
HP: 1439-1624
Rec:
65' GIP
65' OBCM 5/3, 5%
BHT: 100'

Vis: 58 Wt: 90
DST # 2
3562-3618
30-30-30-30
IFP: 16-26
FFP: 27-33
SIP: 948-993
HP: 1477-1672
Rec:
10' mud w/ steam oil
BHT: 102'

CS: Mostly AIA, sub
xln in part.

Sh: gyg

Sh: red. ben

Seat dolo, wlt - tom, fr suc
xln, long med rhom. Fr - Fr int
xln. Fr str, settd sfo. Maska
ben-ved su, washes red. ben,
No Od.

Odlo: tom wlt, med rhom xln, seat
Fr intxln wlt smll vngs. Mngng file
ex wlt lltlg - No sfo. Rowd pt Fr
gd sat wlt fr-gd sfo. vfat - No Od.

Odlo: wlt, long med. sfo rhom xln.
Fr intxln, fr-gd sat, gd sfo.

Seat file ex. Fr. Od. FO on sub.

Odlo: Much AIA, Fr int-xln x
wlt fr-gd sfo. Fr sat, seat
wlt & sfo. sht. sat. Fr Od.

Odlo: Much AIA long med rhom
xln. Fr-gd intxln x, Fr sat
wlt fr-gd sfo. Seat gd vngs.

Fr aunt ch to, od in pt, H Od.

Odlo: wlt, med rhom xln.

Fr int-xln, file, pr Friable
pr str, sat when broken.
Seat sfo. R. x long brown

w/ death, No Od.

Odlo: wlt, med rhom xln.

Fr fr int-xln, mostly

barren, Seat glicerate

str. NSFO, No Od.

Mauberry

DST # 3

DST # 4

50

3800

50

Vis: 54 wt: 9.0

DST # 3

3758-3785

30-45-30-45

I.F. BOB 5 min/1/4" SIB

F.F. 6" blow / swp SIB

I.F.P. 54-92

F.P.P. 95-116

S.I.P. 783-935

H.P. 1927-1786

Rec:

116' GIP

90' MGO 20% J, 60% O

170' CO

G=26 BHT: 115'

DST # 4

3786-3800

I.F. BOB 3 min/1/4" SIB

F.F. BOB 6 min / swp SIB

30-45-30-45

I.F.P. 41-273

F.P.P. 294-489

S.I.P. 1147-1179

H.P. 1819-1814

Rec:

200' GIP

115' CO

125' OLC MW 10% O, 70% S

760' W

BHT: 122'

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. 4710

Date	1-14-11	Sec.	13	Twp.	14	Range	19	County	Ellis	State	KS	On Location		Finish	12:30 pm.		
Lease	Schriener	Well No.	1-13			Location Hwy 54 R3 S Spring Hill Rd 300 Sinto											
Contractor	D. Scavery #3																
Type Job	Surface																
Hole Size	12 1/4																
Csg.	8 5/8																
Tbg. Size																	
Tool																	
Cement Left in Csg.	15'																
Meas Line	Displace 13 1/4 LB C																
EQUIPMENT																	
Pumptrk	No.	Cementing	9													Common	150
		Helper															
Bulktrk	No.	Driver	1													Poz. Mix	
		Driver															
Bulktrk	No.	Driver	10													Gel.	3
		Driver	JASON													Calcium	3
JOB SERVICES & REMARKS																	
Remarks:																	
Rat Hole																	
Mouse Hole																	
Centralizers																	
Baskets																	
D/V or Port Collar																	
	8 5/8 on bottom For Circulation.																
	Mix 100 SK & Displace																
	Cement Circulation																
	QUALITY OILWELL CEMENTING																
	Float Equipment																
	Guide Shoe																
	Centralizer																
	Baskets																
	AFU Inserts																
	Float Shoe																
	Latch Down																
	Pumptrk Charge Surface																
	Mileage 6																
	Tax																
	Discount																
	Total Charge																
Signature	<i>[Signature]</i>																