



KANSAS CORPORATION COMMISSION 1078624
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 # 30717
Name: Downing-Nelson Oil Co Inc
Address 1: PO BOX 1019
Address 2: _____
City: HAYS State: KS Zip: 67601 + _____
Contact Person: Ron Nelson
Phone: (785) 621-2610
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Marc Downing
Purchaser: Coffeyville Resources

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 #: _____

<u>04/02/2012</u>	<u>04/09/2012</u>	<u>04/10/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22769-00-00

Spot Description: _____

SE NE NE SE Sec. 13 Twp. 12 S. R. 23 East West
2140 Feet from North / South Line of Section
160 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Trego

Lease Name: KD Unit Well #: 1-13

Field Name: Newcomer

Producing Formation: LKC

Elevation: Ground: 2425 Kelly Bushing: 2433

Total Depth: 4204 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 225 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1826 Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 1826 w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 17000 ppm Fluid volume: 400 bbls

Dewatering method used: Evaporated

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: Deanna Garriso Date: 06/22/2012



1078624

Operator Name: Downing-Nelson Oil Co Inc Lease Name: KD Unit Well #: 1-13
 Sec. 13 Twp. 12 S. R. 23 East West County: Trego

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Micro Dual Induction Compensated Density/Neutron	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.2500	8.6250	23	224.98	Common	170	2% Gel & 3% CC
Production	7.8750	5.5000	14	4197.60	EA/2	130	

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
Attached	Attached	Attached	Attached

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (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 checked="" 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	KD Unit 1-13
Doc ID	1078624

Tops

Top Anhydrite	1846'	+587
Base Anhydrite	1891'	+542
Topeka	3454'	-1021
Heebner	3674'	-1241
Toronto	3692'	-1259
LKC	3707'	-1274
BKC	3954'	-1521
Marmaton	4050'	-1617
Arbuckle	NA	-1754

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	KD Unit 1-13
Doc ID	1078624

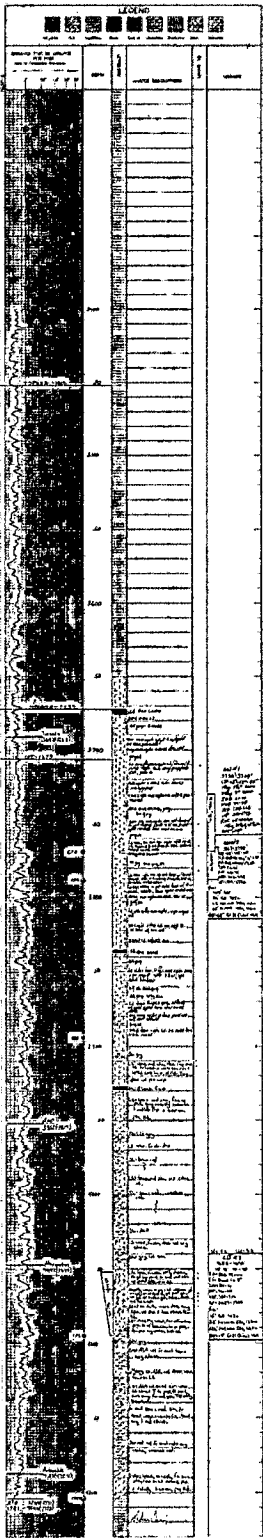
Perforations

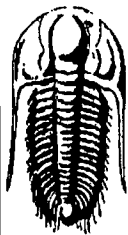
Strokes Per Foot	Perforation Range	Volume & Fluid	Depth
4	3911' to 3914'	250 gallons 15% Mud Acid	3782' to 3786'
4	3782' to 3786'	500 gallons 15% Mud Acid	3782' to 3786', 3762' to 3766' & 3748' to 3752'
4	3762' to 3766'	250 gallons 15% Mud Acid	3748' to 3752'
4	3748' to 3752'	250 gallons 15% NE Acid	3762' to 3766'
4	3748' to 3751'	750 gallons 15% NE Acid	3748' to 3751'
4	3709' to 3711'	250 gallons 15% Mud Acid	3709' to 3711'

Project Name: _____		Date: _____	
Location: _____		Scale: _____	
Drawing No: _____		Sheet No: _____	
Author: _____		Checked: _____	
Date: _____		Date: _____	

Station	Depth (m)	Soil Type	Remarks
0+00	0.0	Surface	
0+05	0.5	Clay	
0+10	1.0	Sand	
0+15	1.5	Clay	
0+20	2.0	Sand	
0+25	2.5	Clay	
0+30	3.0	Sand	
0+35	3.5	Clay	
0+40	4.0	Sand	
0+45	4.5	Clay	
0+50	5.0	Sand	
0+55	5.5	Clay	
0+60	6.0	Sand	
0+65	6.5	Clay	
0+70	7.0	Sand	
0+75	7.5	Clay	
0+80	8.0	Sand	
0+85	8.5	Clay	
0+90	9.0	Sand	
0+95	9.5	Clay	
1+00	10.0	Sand	

Station	Depth (m)	Soil Type	Remarks
1+05	10.5	Clay	
1+10	11.0	Sand	
1+15	11.5	Clay	
1+20	12.0	Sand	
1+25	12.5	Clay	
1+30	13.0	Sand	
1+35	13.5	Clay	
1+40	14.0	Sand	
1+45	14.5	Clay	
1+50	15.0	Sand	
1+55	15.5	Clay	
1+60	16.0	Sand	
1+65	16.5	Clay	
1+70	17.0	Sand	
1+75	17.5	Clay	
1+80	18.0	Sand	
1+85	18.5	Clay	
1+90	19.0	Sand	
1+95	19.5	Clay	





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44822

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.04.06 @ 19:58:22

GENERAL INFORMATION:

Formation: **Lansing-C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:03:52

Time Test Ended: 02:54:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: **3730.00 ft (KB) To 3769.00 ft (KB) (TVD)**

Total Depth: 3769.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2433.00 ft (KB)

2425.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 45.32 psig @ 3738.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.06

End Date:

2012.04.07

Last Calib.: 2012.04.07

Start Time: 19:58:23

End Time:

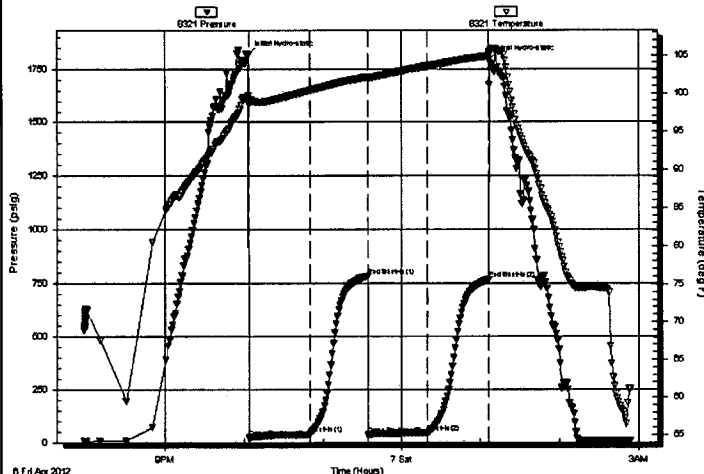
02:54:22

Time On Btm: 2012.04.06 @ 22:03:22

Time Off Btm: 2012.04.07 @ 01:07:22

TEST COMMENT: IFP-Fair blow built to 5 1/2 in
ISI-Dead no blow back
FFP-Fair blow built to 7 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

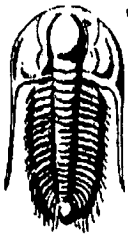
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.00	99.69	Initial Hydro-static
1	20.58	98.58	Open To Flow (1)
47	39.94	100.37	Shut-In(1)
91	783.83	102.10	End Shut-In(1)
91	33.60	101.97	Open To Flow (2)
137	45.32	103.54	Shut-In(2)
183	767.55	104.85	End Shut-In(2)
184	1792.89	105.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM 10%G 30%O 60%M	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44822

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.04.06 @ 19:58:22

GENERAL INFORMATION:

Formation: **Lansing-C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:03:52

Time Test Ended: 02:54:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: **3730.00 ft (KB) To 3769.00 ft (KB) (TVD)**

Total Depth: 3769.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2433.00 ft (KB)

2425.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 3738.00 ft (KB)

Start Date: 2012.04.06

End Date:

2012.04.07

Start Time: 19:58:26

End Time:

02:54:25

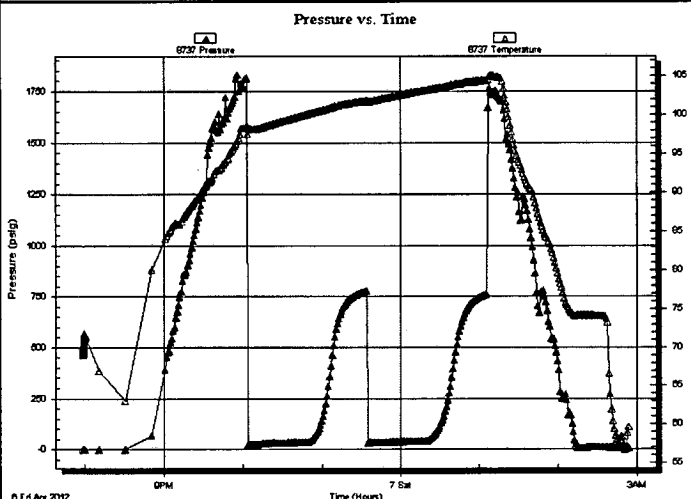
Capacity: 8000.00 psig

Last Calib.: 2012.04.07

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Fair blow built to 5 1/2 in
ISI-Dead no blow back
FFP-Fair blow built to 7 in
FSI-Dead no blow back



PRESSURE SUMMARY

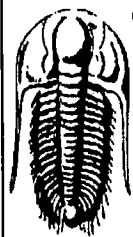
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM 10%G 30%O 60%M	0.56

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44822

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.04.06 @ 19:58:22

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: 61.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

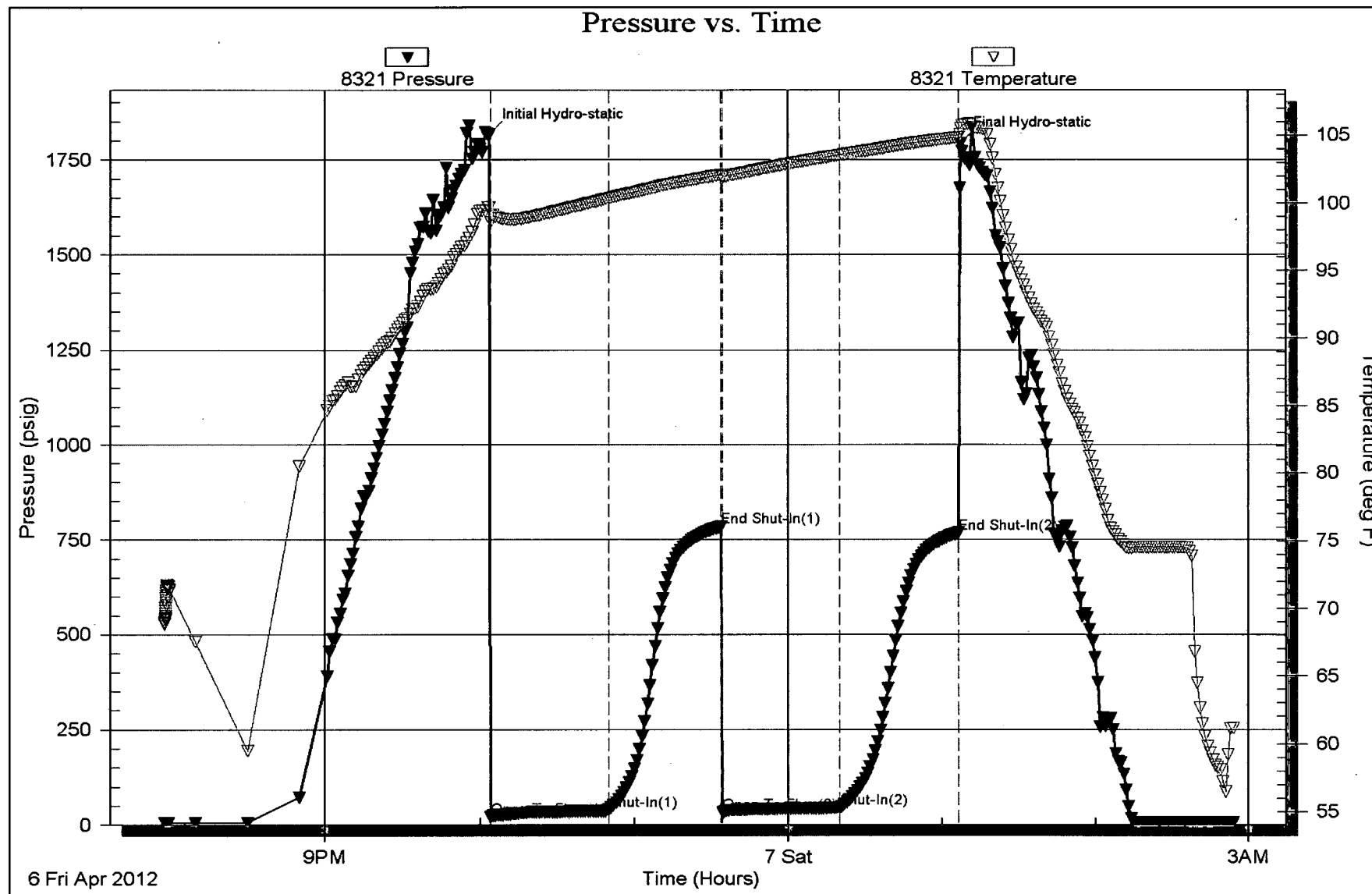
Length ft	Description	Volume bbf
60.00	HOCGM 10%G 30%O 60%M	0.559

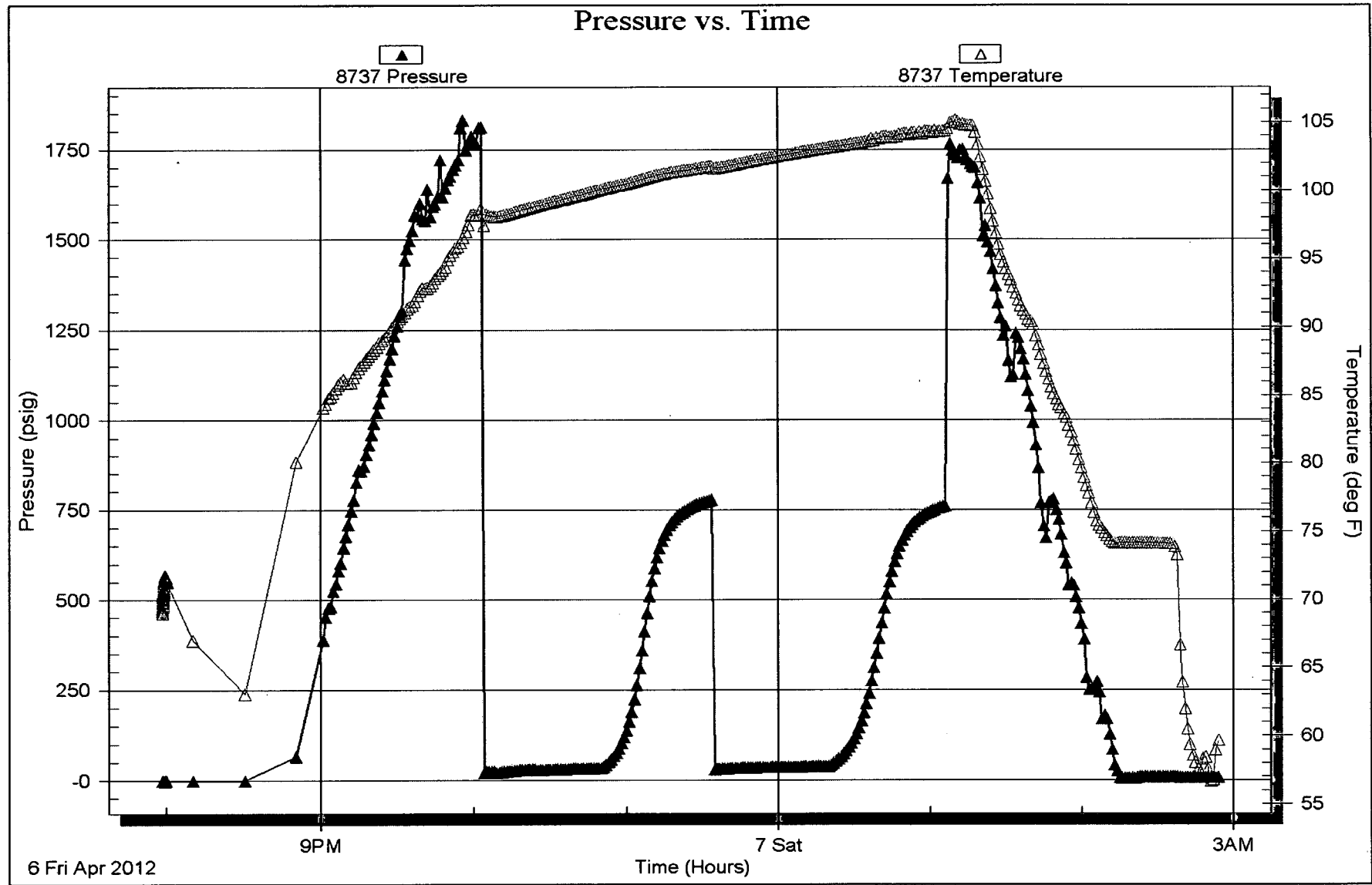
Total Length: 60.00 ft Total Volume: 0.559 bbf

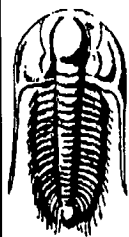
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44823

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.04.07 @ 09:40:22

GENERAL INFORMATION:

Formation: **Lansing-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:22

Time Test Ended: 17:07:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: **3767.00 ft (KB) To 3788.00 ft (KB) (TVD)**

Total Depth: 3788.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2433.00 ft (KB)

2425.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 90.83 psig @ 3770.00 ft (KB)

Start Date: 2012.04.07

End Date:

2012.04.07

Start Time: 09:40:23

End Time:

17:06:52

Capacity: 8000.00 psig

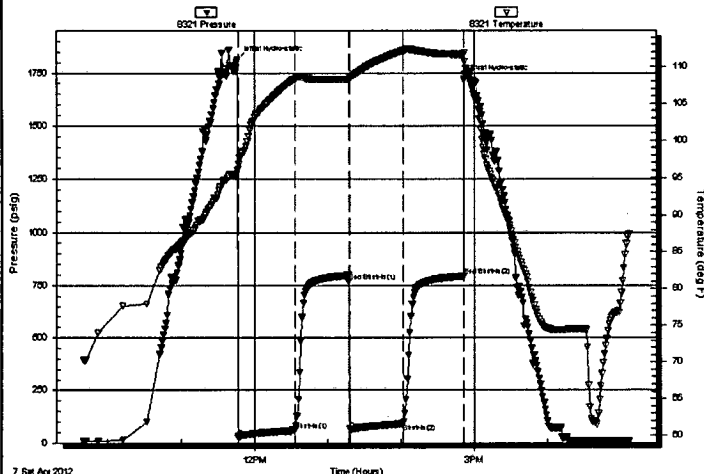
Last Calib.: 2012.04.07

Time On Btm: 2012.04.07 @ 11:45:52

Time Off Btm: 2012.04.07 @ 14:51:22

TEST COMMENT: IFF-Good blow BOB in 24 min
ISI-Weak surface blow back built to 1/2 in
FFP-Good blow BOB in 24 min
FSI-Weak surface blow back built to 1 in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.36	95.96	Initial Hydro-static
1	26.29	96.10	Open To Flow (1)
47	61.37	108.29	Shut-In(1)
92	767.34	108.28	End Shut-In(1)
92	65.55	108.35	Open To Flow (2)
136	90.83	112.12	Shut-In(2)
185	793.29	111.58	End Shut-In(2)
186	1719.75	111.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCMW 10%O 20%M 70%W	0.60
63.00	HOCWM 30%O 10%W 60%M	0.88
20.00	Gassy Oil 25%G 75%M	0.28
0.00	409-GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44823

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.04.07 @ 09:40:22

GENERAL INFORMATION:

Formation: **Lansing-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:22

Time Test Ended: 17:07:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: **3767.00 ft (KB) To 3788.00 ft (KB) (TVD)**

Reference Elevations: 2433.00 ft (KB)

Total Depth: 3788.00 ft (KB) (TVD)

2425.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 3770.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.07 End Date: 2012.04.07

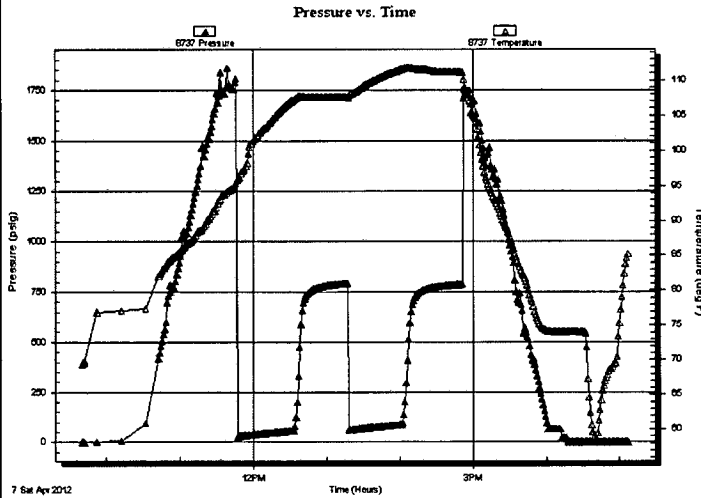
Last Calib.: 2012.04.07

Start Time: 09:40:32 End Time: 17:07:31

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Good blow BOB in 24 min
ISI-Weak surface blow back built to 1/2 in
FFP-Good blow BOB in 24 min
FSI-Weak surface blow back built to 1 in



PRESSURE SUMMARY

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

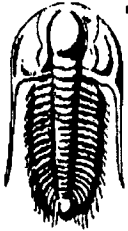
Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCMW 10%O 20%M 70%W	0.60
63.00	HOCWM 30%O 10%W 60%M	0.88
20.00	Gassy Oil 25%G75%M	0.28
0.00	409-GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44823

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.04.07 @ 09:40:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 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
63.00	OCMW 10%O 20%M 70%W	0.601
63.00	HOCWM 30%O 10%W 60%M	0.884
20.00	Gassy Oil 25%G75%M	0.281
0.00	409-GIP	0.000

Total Length:

146.00 ft

Total Volume:

1.766 bbl

Num Fluid Samples: 0

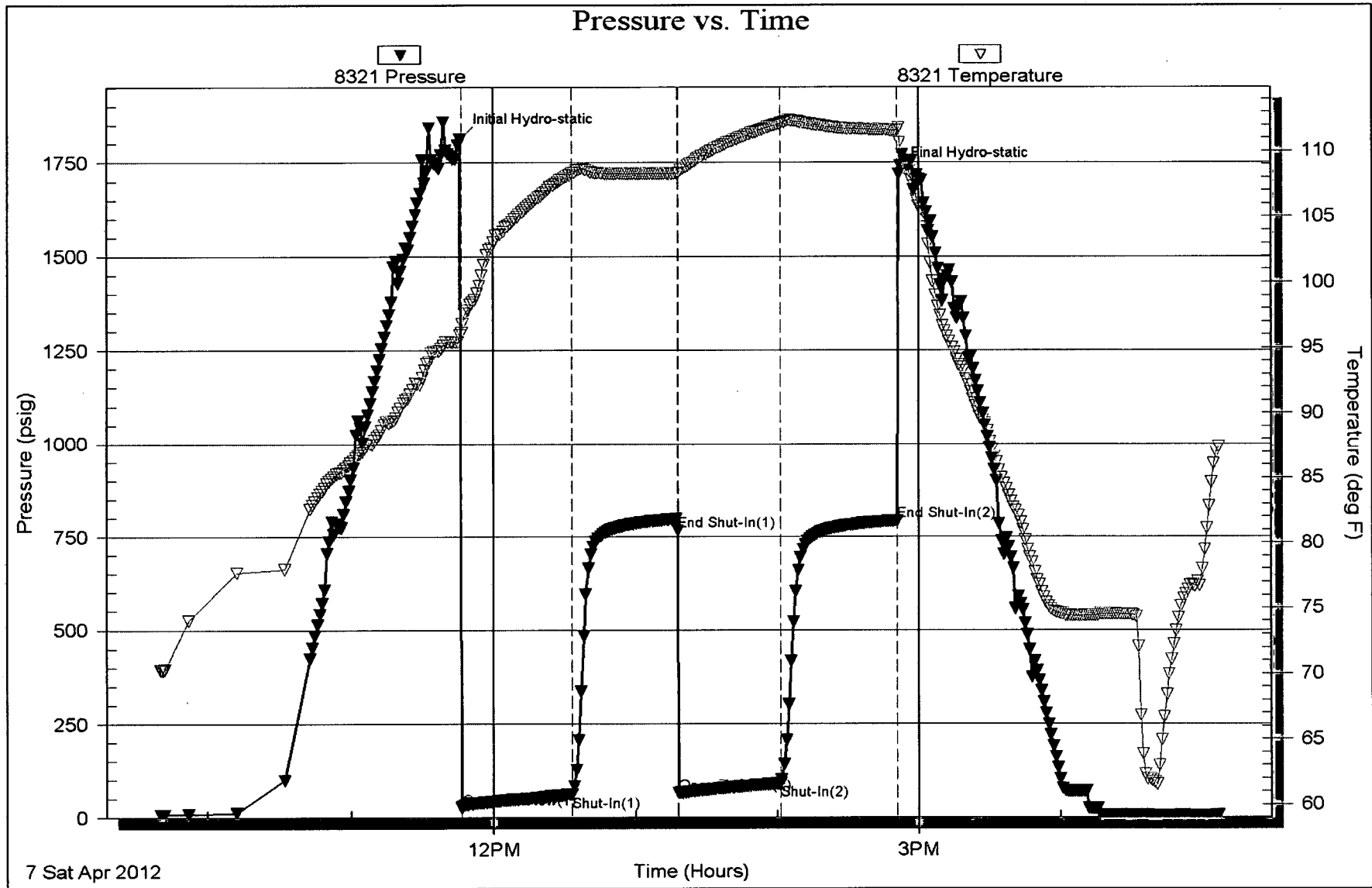
Num Gas Bombs: 0

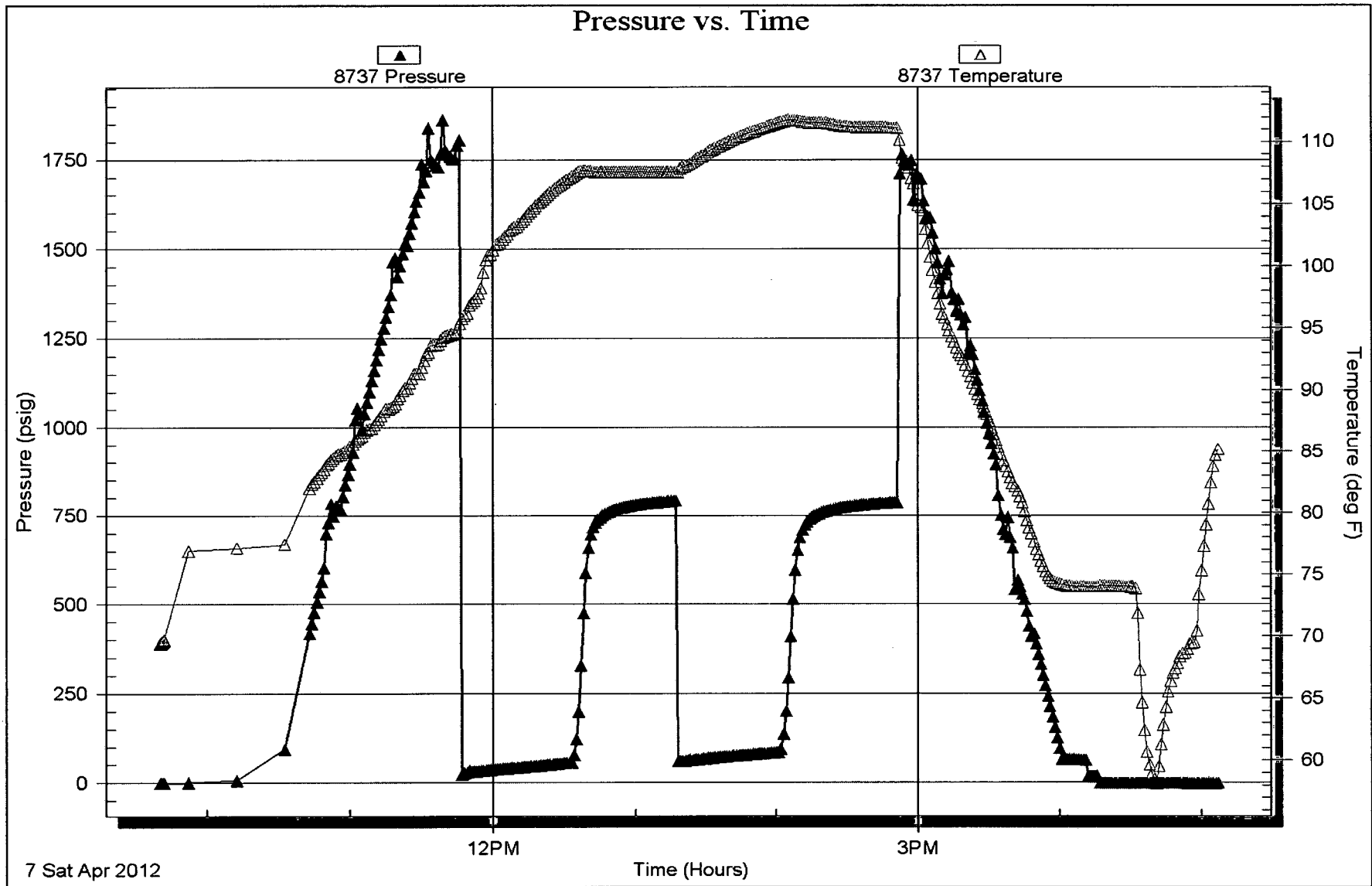
Serial #:

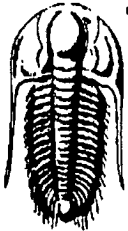
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow-ning-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44824

DST#: 3

ATTN: Ron Nelson

Test Start: 2012.04.09 @ 00:05:09

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:09

Time Test Ended: 07:18:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: **4052.00 ft (KB) To 4095.00 ft (KB) (TVD)**

Total Depth: 4095.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2433.00 ft (KB)

2425.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 110.67 psig @ 4056.00 ft (KB)

Start Date: 2012.04.09

End Date:

2012.04.09

Start Time: 00:05:10

End Time:

07:18:09

Capacity: 8000.00 psig

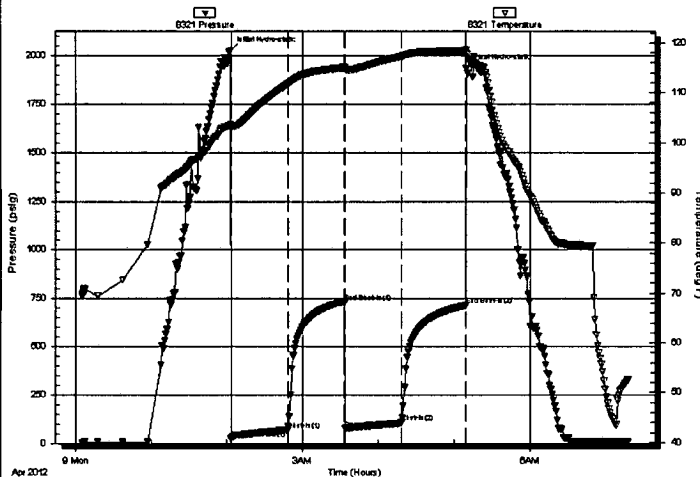
Last Calib.: 2012.04.09

Time On Btm: 2012.04.09 @ 02:02:39

Time Off Btm: 2012.04.09 @ 05:09:39

TEST COMMENT: IFP-Good blow BOB in 44 min
IS-Dead no blow back
FFP-Fair blow built to 8 in
FS- Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.95	103.50	Initial Hydro-static
1	24.15	103.15	Open To Flow (1)
46	70.63	111.69	Shut-In(1)
91	731.06	115.00	End Shut-In(1)
91	76.11	114.67	Open To Flow (2)
136	110.67	117.29	Shut-In(2)
187	714.31	118.30	End Shut-In(2)
187	1934.02	118.64	Final Hydro-static

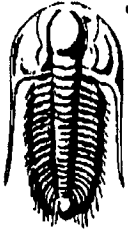
Recovery

Length (ft)	Description	Volume (bbl)
126.00	SOCMW 5%O 35%M 60%W	1.49
53.00	VSOCWM 3%O 12%W 85%M	0.74
15.00	Gassy Oil 10%G 90%O	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

13-12s-23w

Po Box 1019
Hays Ks 67601

KD Unit 1-13

Job Ticket: 44824

DST#: 3

ATTN: Ron Nelson

Test Start: 2012.04.09 @ 00:05:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
126.00	SOCMW 5%O 35%M 60%W	1.485
53.00	VSOCWM 3%O 12%W 85%M	0.743
15.00	Gassy Oil 10%G 90%O	0.210

Total Length: 194.00 ft Total Volume: 2.438 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

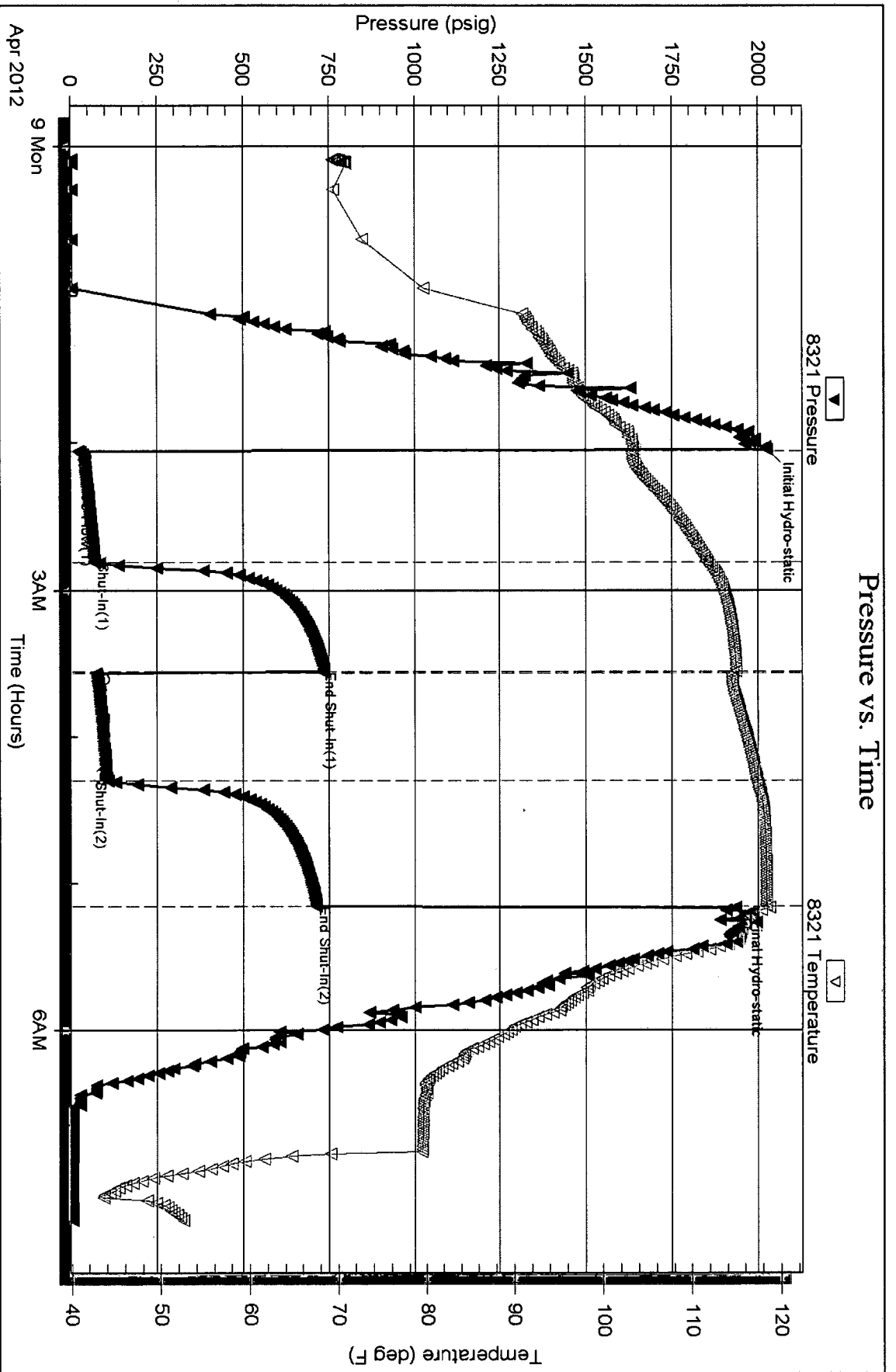
Serial #: 8321

Inside

Downing-Nelson Oil Co Inc

KD Unit 1-13

DST Test Number: 3



ALLIED OIL & GAS SERVICES, LLC 056375

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell, Ks.

DATE <u>4-2-2012</u>	SEC. <u>13</u>	TWP. <u>12</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>K-D</u>	UNIT WELL # <u>1-13</u>	LOCATION <u>Ogallah Ks. old 40 Hwy</u>			COUNTY <u>rego</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>4 W 1/4 N INTO</u>			

CONTRACTOR Discovery Rig #4

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 225

CASING SIZE 8 5/8 DEPTH 225'

TUBING SIZE 23 New DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 3/4 BBL

OWNER

CEMENT AMOUNT ORDERED 170 sx Comm.

3% cc

2% GEL

COMMON 170 @ 16.25 2762.50

POZMIX @

GEL 6 sx @ 21.25 127.50

CHLORIDE 3 sz @ 58.20 174.60

ASC @

HANDLING 179 @ 2.25 402.75

MILEAGE 55 1022.95

TOTAL 4550.30

REMARKS:

Ran 5 New Joints of 8 5/8 #4

Set @ Received CIRCULATION

Cement w/ 170sx Comm. 3% cc, 2% GEL

Displace 1 BBL #0 & Shot in

@ 250# Cement DID

CIRCULATE to Surface.

THANK'S

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 55 @ 7.00 385.00

MANIFOLD @

LV 55 @ 4.00 220.00

CHARGE TO: Downing & Nelson Oil Co

STREET

CITY STATE ZIP

TOTAL 1730.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 208.39

TOTAL CHARGES 6280.30

DISCOUNT 20/70 1846.83 IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE [Signature]

JOB LOG

SWIFT Services, Inc.

DATE 4-10-12 PAGE NO. 1

CUSTOMER Dickinson & Nelson WELL NO. 1-13 LEASE KD Unit JOB TYPE Cement Lining TICKET NO. 21463

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD <u>4200'</u>	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	0500								(in location w/ Float Equip)
	0600								Start 5 1/2" 14# ft. casing
									Insert Float Shoe w/ Auto Kill
									L.D. Baffle - SS 42 1/2' @ 4155'
									Cent 1-3-5-7-9-11-57 End Basket #58
									Port Collar #58 @ 1826'
	0740 0745								Fin run casing / Start cip 7000 lbs casing
	0830		8 / 16						Fin cip - Plug RH 7000 lbs
		5	12				200		Pump 500 gal Manual flush
		5 1/2	20				250		Pump 20 BBL KCL Flush
		5	20				200		Mix 12.5 SKS FA-2 cont
	0900	4 1/2	34				150 150		Fin out - Wash out Plug & Lines
		8 1/2					370		Drop L.D. Plug - Start Displ 101.4 BBL
		8 1/2	70				350		1070 BBL enough out 1000
	0917	10	102				750 750		Plug Down - Hold - Release & Hold
									Job Complete
									Wash up & Pack up
