



KANSAS CORPORATION COMMISSION 1060019  
OIL & GAS CONSERVATION DIVISION

Form AGO-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: Ron Nelson  
Purchaser: Coffeyville Resources

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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>05/07/2011</u>	<u>05/12/2011</u>	<u>05/13/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26132-00-00  
Spot Description: \_\_\_\_\_  
NW SW SE SW Sec. 12 Twp. 14 S. R. 19  East  West  
530 Feet from  North /  South Line of Section  
1520 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ellis  
Lease Name: Before Well #: 1-12  
Field Name: Ridge Hill  
Producing Formation: LKC & Arbuckle  
Elevation: Ground: 2170 Kelly Bushing: 2178  
Total Depth: 3925 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 221 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1416 Feet  
If Alternate II completion, cement circulated from: 1416  
feet depth to: 0 w/ 135 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 16000 ppm Fluid volume: 320 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 Gentry Date: 07/25/2011



1060019

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Befort Well #: 1-12  
 Sec. 12 Twp. 14 S. R. 19  East  West County: Ellis

**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 type="checkbox"/> Yes <input checked="" 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: <b>Attached</b>	<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 Pipe	12.25	8.625	23	220.46	Common	150	2% Gel & 3% CC
Production String	7.8750	5.5	14	3926.09	EA/2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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

<b>TUBING RECORD:</b>		Size: <u>2.3750</u>	Set At: <u>3463.28</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>06/14/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>3</u>	Gas Mcf <u>0</u>	Water Bbls. <u>100</u>	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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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
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Well Name	Befort 1-12
Doc ID	1060019

Tops

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

Perforations

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 Dawson & Nelson WELL NO. 1-12 LEASE Befort JOB TYPE Cement 5 1/2" Longstring TICKET NO. 19495

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. - Rechanging over
	0630							Start 5 1/2" 14#/ft casing to 3926'
								Insert Float Shoe w/ Auto-PIB
								D.V. L.D. Baffle - SS - 1824 @ 3928
								Cent collars 1-3-5-7-9-11-59
								Cut Basket #60 Pin
								D.V. #60 collar @ 1416'
								Drop R/L up ball & JTs out
	0745							Final Run 028ins - Tag bottom
	0750							Start circ & Rotate casing
	0830							Fin circ - 1st stage - (Gate on Mud)
	0840	6	12				200	Pump 500 gal Mud flush
		6	20				200	Pump 20 BBL KCL flush
	0845		(32)					Fin flushes
							200	Start 150 SKS EA-2 cut
	0855	4	32				150	Fin cut - Washout Pump thins
		9					300	Drop D.V. L.D. Plug - Start Displ
		9					300	(60 H <sub>2</sub> O - 20 Mud - 15 1/2 KCL flush)
		8	75				400	Caught pump @ 75 B1 - Slow rate
		6 1/2	90				500	Slow rate
		5 1/2	93				600	Slow rate
	0910		95 1/2				800	Plug Down - Hold - Release & Hold
								Drop D.V. opening device
			8 1/2					Plug RH 30 SKS mud & MH 15 SKS mud
		0	3				1150	Open D.V. with rest of KCL flush
		6					250	Start 135 SKS mud - 2nd stage
		6	75				See	Fin cut -
								Drop D.V. closing Plug
		6					200	Start Displ
		6	15				300	(@ 15 BBL) <u>cut circ to surface</u>
		6	30				400	(@ 30 BBL)
	0950						150	Plug Down - D.V. closed - Hold
	0955						0	Release & Hold
	1000							Job Comp to <u>40 SKS cut circ to fit</u>
								Wash up & Realign
								Shut in, slow & down
	1030							

Federal Tax

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	5:15 p.m.
Lease	Befort		Well No.	1-12		Location - <u>Way 183 15 3 1/2 W N into</u>									
Contractor	Discovery 4					Owner									
Type Job	Surface					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.									
Hole Size	12 1/4		T.D.	220		Charge To									
Csg.	8 5/8		Depth	218		Downing - Nelson									
Tbg. Size			Depth			Street									
Tool			Depth			City									
			Depth			State									
Cement Left in Csg	10-13		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 <u>180 com 3 Y 2</u>									
EQUIPMENT															
Pumptrk	1	No.	Cementer	O. Brown		Common									
			Helper			150									
Bulktrk	3	No.	Driver	Dave		Poz. Mix									
			Driver												
Bulktrk		No.	Driver	Brian		Gal.									
			Driver			3									
JOB SERVICES & REMARKS															
Remarks:						Calcium									
						5									
Rat Hole						Hulls									
						Salt									
Mouse Hole						Flowseal									
						Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling									
						150									
						Mileage									
						5									
FLOAT EQUIPMENT															
						Guide Shoe									
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge									
						150 Surface									
						Mileage									
						5									
Quality Oilwell Cementing															
Signature <u>[Signature]</u>															
Tax															
Discount															
Total Charge															







BASE ANTIQUITY 1000  
Log 1000

1500

3100

50

TO PERA 1006  
Log 1008

3200

50

shgmy

LS tan-wh fr - mo xylu  
fr 1008 NS

LS aa

gry 39

LS wh sm to 000 w/gd oocp  
fr 1008 NS.

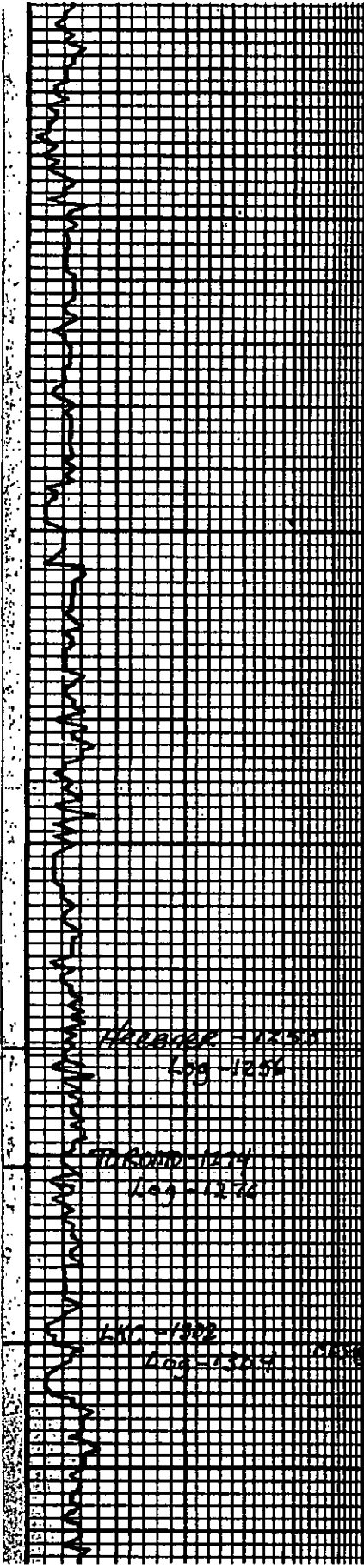
chry tan LS finble NS

W/Int bd mostly gry 39

LS tan chry NS.

gry 39

LS tan facs, sm gd fossils, sm  
chry m pt, finble all NS



3300

50

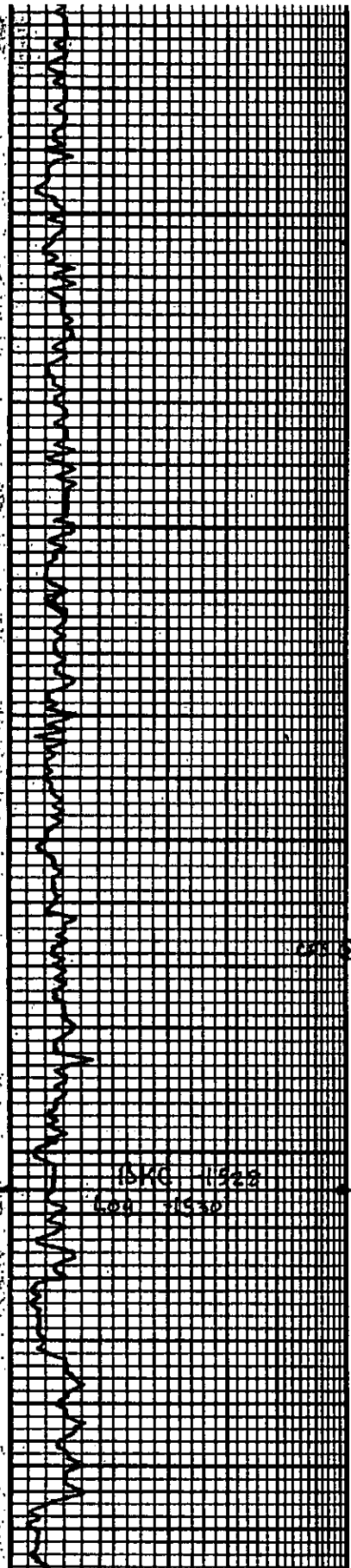
3400

50

3500

LS with grey v. fine rhyolite and spon 100 ft. ss.
Cherty tan ls. in fissile of mudst. & argill. sh. & ss.
sh. blk. carb.
dk. grey sh.
dark sh. - H. grey. In rhyolite NS.
grey benches
Cherty tan ls. in rhyolite & mudst.
sh. grey brn.
sh. blk. carb.
sh. dk. grey
ls. tan - then med. dk. m. xylite - sm. cherty in pt f. r. id. bl. NS
fine ss. fissile - qd. int. fissile NS.
grey sh.
ls. tan & md. xylite - sm. succ. xylite sm. cherty in pt. - sh. dk. brn. sp. str. NS to friable
tan. med. xylite - cherty NS.
dark tan ls. - fr. - v. fine rhyolite pr. - 100 ft. NS.
sh. blk. carb.
sh. dk. grey
LS. grey - med. xylite - sm. succ. xylite st. dk. - qd. - sh. dk. brn. sp. - fr. - 90 ft. xylite & fissile - soft - friable - sm. - 10 ft.
ls. tan - v. fine rhyolite - dk. grey NS.
sh. dk. grey. grey
Blk.
LS. v. fine rhyolite - dk. grey sh. grey
LS. tan - v. fine rhyolite - dk. grey pr. - 100 ft. NS.
sh. dk. grey. brn.
LS. tan - md. xylite - fine rhyolite - dk. grey fr. - brn. sp. - str. - 100 ft. rhyolite f. r. id. bl. NS.

DST #1  
 3427' - 3482'  
 45" 45" 45" 45"  
 1" op BOB 29"  
 2" op 7" below  
 NO SZ Below  
 IEP 35-47  
 FFD 44-57  
 SIP 308-315  
 HP 1642-1634  
 Rec: 150' gip  
 65' Hoem  
 35% oil 65% mud  
 BHT 1050



50

3600

50

3700

50

Sh dk grey. qtz. Brn  
 Ls H brn. sm fl. Hsatsm. fr. -gd  
 o.p. nsto. tw pss pr l/mj sfo.  
 int Hsatsm  
 +mg micrylogry om vdates

BURSH - carb

v on grey

Ls with some micrylogry vdates  
 1-2 pss tw pr Hsatsm pss pr brn  
 nsto nsto no pt  
 Ls with clay. f. s. w/ sctd Hsatsm mt  
 f. s. s. nsto. v. s. l. ad

On grey

Ls with Hsatsm micrylogry vdates  
 no app nsto  
 fmg tw pss stool w/ sctd Hsatsm  
 nsto f. s. s. tw brn ssto nsto  
 nsto  
 fmg micrylogry v dms v pr nsto  
 nsto

Ls low micrylogry v dms no  
 app nsto. w/ f. s. pss sctd

sh grey. brn

Ls low f. s. pss tw nsto. sctd w/ f. s.  
 nsto f. s. pss tw nsto. sctd w/ f. s.  
 nsto nsto  
 nsto. sctd. brn. micrylogry

sh grey carb

On grey

Ls from - nsto. tw pss. f. s. tw. f. s. tw.  
 nsto. f. s. tw. f. s. tw. f. s. tw.  
 f. s. tw. f. s. tw. f. s. tw.

fmg micrylogry v dms pr nsto  
 nsto

w/ grey sh

Ls f. s. pss stool. om. v. s. tw. w/ sctd.  
 tw. sctd. tw. f. s. tw. f. s. tw. f. s. tw.  
 f. s. tw. f. s. tw. f. s. tw. f. s. tw.

fmg v dms pr nsto.  
 w/ br grey sh

Ls with Hsatsm v f. s. tw. pr  
 1 xyl 0 v 2 pss sctd w/ f. s.  
 f. s. tw. nsto. nsto.

fmg micrylogry v dms w/ f. s.  
 v p nsto

w/ grey sh

chky tw nsto sm micrylogry  
 sl fss all nsto

v on stn - w/ micrylogry  
 pr nsto nsto

sh ro Brn grey

v on stn w/ micrylogry v dms pr nsto

sh ro Brn grey

chky tw nsto w/ sm micrylogry  
 Ls v pr nsto nsto

sh grey gran dk grey  
 mealy chky no mt nsto sl fss  
 Ls

w/ Brn sh grey sh  
 f. s. pss tw nsto f. s. pss tw

chky tw low w/ edge stn nsto w/

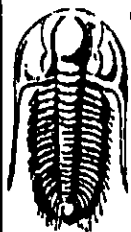
ISAC 11828  
 11930

D  
 S  
 T  
 H  
 Z

DST#2  
 3743'-3743'  
 30° 30' 30° 30'  
 12" pp wk blow 14"  
 2nd op dead  
 IFP 3132  
 1180 11.21







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

**Befort 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@RunDepth: 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:

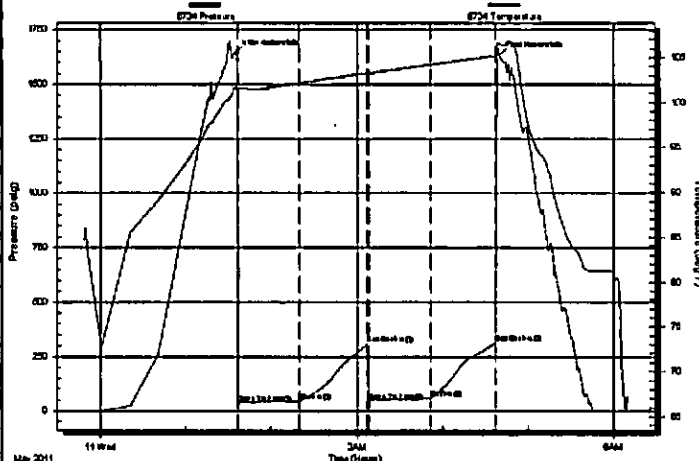
2011.05.11 @ 01:34:49

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 vs. Time



## PRESSURE SUMMARY

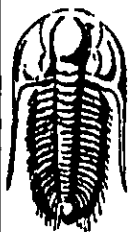
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.60	101.58	Initial Hydro-static
2	35.20	101.31	Open To Flow (1)
45	46.91	102.12	Shut-In(1)
93	307.86	103.27	End Shut-In(1)
94	44.02	103.24	Open To Flow (2)
137	56.88	104.17	Shut-In(2)
183	315.15	105.14	End Shut-In(2)
185	1633.67	106.48	Final Hydro-static

## 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 in<sup>3</sup>

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 bbbl
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

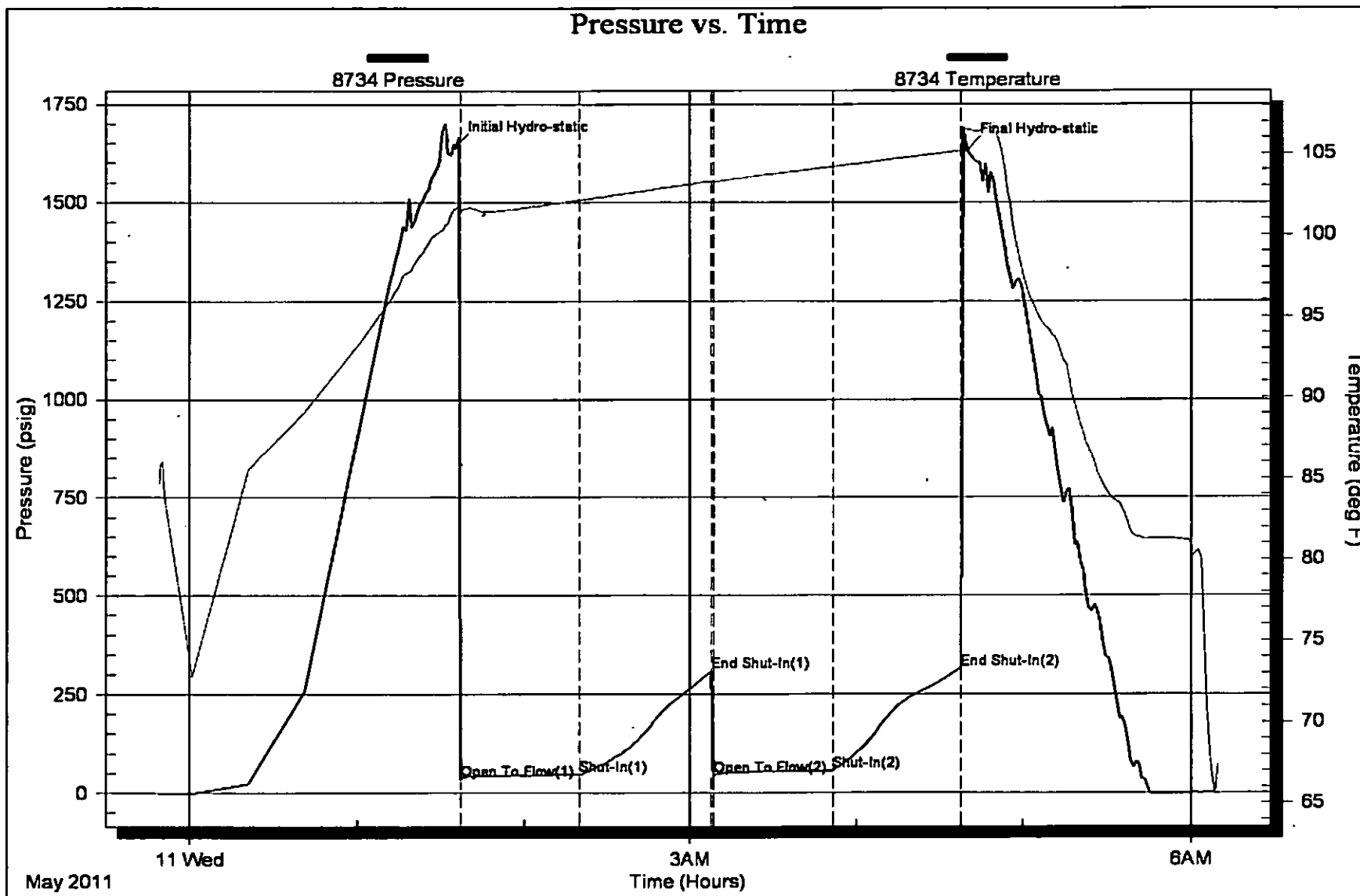
Serial #:

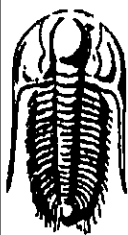
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

**Befort 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

## 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)

Total Depth: 3793.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2178.00 ft (KB)

2170.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8734**

**Outside**

Press@RunDepth: 34.11 psig @ 3748.00 ft (KB)

Start Date: 2011.05.12

End Date:

2011.05.12

Start Time: 02:14:50

End Time:

07:25:19

Capacity: 8000.00 psig

Last Calib.: 2011.05.12

Time On Btrr: 2011.05.12 @ 03:53:19

Time Off Btrr: 2011.05.12 @ 05:57:19

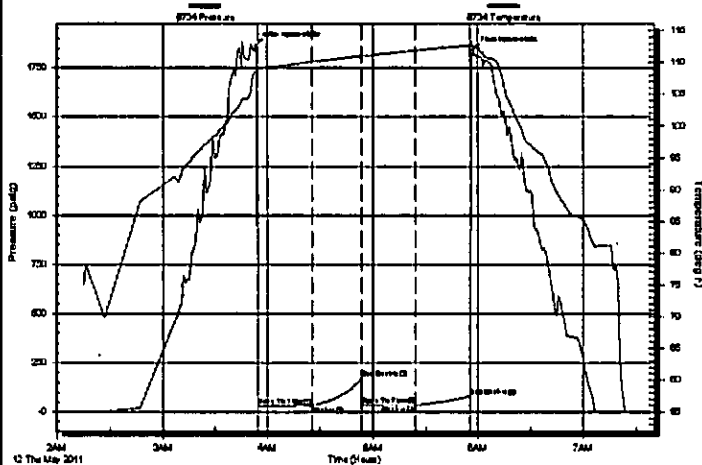
TEST COMMENT: IFP - sur blow - died 14 min

ISI - no blow back

FFP - no blow

FSI - no blow back

Pressure vs. Time



## PRESSURE SUMMARY

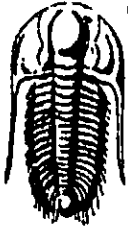
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.61	108.53	Initial Hydro-static
1	30.69	108.88	Open To Flow (1)
32	32.32	110.08	Shut-In(1)
60	170.28	111.05	End Shut-In(1)
61	34.75	111.03	Open To Flow (2)
91	34.11	111.91	Shut-In(2)
122	81.07	112.70	End Shut-In(2)
124	1840.92	112.50	Final Hydro-static

## 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:

bbl

Water Loss: 7.96 in<sup>3</sup>

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:

