



KANSAS CORPORATION COMMISSION 1061305
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>07/22/2011</u>	<u>07/27/2011</u>	<u>07/28/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-065-23761-00-00
Spot Description: _____
NW SE NW NW Sec. 27 Twp. 9 S. R. 24 East West
690 Feet from North / South Line of Section
845 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: Robert Nickelson Well #: 1-27
Field Name: Kohart
Producing Formation: LKC
Elevation: Ground: 2470 Kelly Bushing: 2479
Total Depth: 4105 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: 2083 Feet
If Alternate II completion, cement circulated from: 2083
feet depth to: 0 w/ 190 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 Garcia Date: 09/15/2011



1061305

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Robert Nickelson Well #: 1-27
 Sec. 27 Twp. 9 S. R. 24 East West County: Graham

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 checked="" type="checkbox"/> Yes <input 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: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Top Anhydrite</td> <td>2131</td> <td>+350</td> </tr> <tr> <td>Base Anhydrite</td> <td>2164</td> <td>+317</td> </tr> <tr> <td>Topeka</td> <td>3564</td> <td>-1083</td> </tr> <tr> <td>Heebner</td> <td>3784</td> <td>-1303</td> </tr> <tr> <td>Toronto</td> <td>3807</td> <td>-1326</td> </tr> <tr> <td>LKC</td> <td>3822</td> <td>-1341</td> </tr> <tr> <td>BKC</td> <td>4046</td> <td>-1565</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	2131	+350	Base Anhydrite	2164	+317	Topeka	3564	-1083	Heebner	3784	-1303	Toronto	3807	-1326	LKC	3822	-1341	BKC	4046	-1565
Name	Top	Datum																							
Top Anhydrite	2131	+350																							
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Heebner	3784	-1303																							
Toronto	3807	-1326																							
LKC	3822	-1341																							
BKC	4046	-1565																							

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	221.10	Common	150	2% Gel & 3% CC
Production String	7.875	5.5	14	4104.88	EA/2	150	

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
4	3894' to 3896'	250 gallons 15% Mud Acid	3894' to 3896'

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4048</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>08/25/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>23</u>	Gas Mcf <u>0</u>
	Water Bbls. <u>80</u>	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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Robert Nickelson 1-27
Doc ID	1061305

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Neutron / Density

JOB LOG

SWIFT Services, Inc.

DATE 7-28-11 PAGE NO. 1

CUSTOMER DOWNING - NELSON WELL NO. 1-27 LEASE ROBERT NICHOLSON JOB TYPE S 1/2 2-STAGE LGST. TICKET NO. 21005

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
	1130							START 5 1/2" CASING IN WELL
								TD-4105 SET = 4105
								TP-4105 5 1/2" 14
								ST-21
								CENTRALIZERS - 1, 3, 5, 8, 10, 12, 14, 48
								CMT BSKTS - 49
								DV TOOL = 2083 TOP ST # 49
	1300							DROP BALL - CIRCULATE ROTATE
	1325	6	12		✓	450		PUMP 500 GAL MUD FLUSH "
	1327	6	20		✓	450		PUMP 20 BBL - KCL FLUSH "
	1335	4 1/2	36		✓	250		MIX 150 SKS EA-2 = 15.5 PAG "
	1343							WASH OUT PUMP - LEVES
	1344							RELEASE 1" STAGE LATCH DOWN PLUG
	1345	7	0		✓			DISPARE PLUG "
		7	90			600		SHUT OFF ROTATING
	1400	6 1/2	99.6			1500		PLUG DOWN - PSE LATCH IN PLUG
	1402					OK		RELEASE PSE - HELD
	1405							DROP DV OPENING PLUG
	1415				✓	1100		OPEN DV - CIRCULATE
	1420	6	20		✓	350		PUMP 20 BBL KCL-FLUSH
	1425		7-5					PLUG RH - MH (30 SKS - 20 SKS)
	1430	6	103		✓	250		MIX 185 SKS SMD = 11.2 PAG
	1445							WASH OUT PUMP - LEVES
	1447							RELEASE DV CLOSE PLUG
	1450	6	0		✓			DISPARE PLUG
	1500	4	50.8			1500		PLUG DOWN - PSE UP CLOSE DV TOOL
	1502					OK		RELEASE PSE - HELD
								CIRCULATE 20 SKS COMET TO PSE
								WASH TRUCK
	1530							JOB COMPLETE

THANK YOU
WAYNE JOCH F., ROB

ALLIED CEMENTING CO., LLC. 035795

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

SERVICE POINT:
Russell, KS

DATE <u>7-22-11</u>	SEC <u>27</u>	TWP <u>9</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00pm</u>	JOB FINISH <u>5:20pm</u>
LEASE <u>Robert Mickelson</u>		WELL # <u>1-27</u>	LOCATION <u>Wakeney North 40</u>	COUNTY <u>Grover</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>Red Line 7w 1N Eimb</u>				

CONTRACTOR Discovery Drilling #1 OWNER _____

TYPE OF JOB Surface

HOLE SIZE _____ T.D. 221 CEMENT AMOUNT ORDERED 150 SK Com

CASING SIZE 8 5/8 DEPTH 221.10 3% CC 2% Gel

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 ft

PERFS. _____

DISPLACEMENT 13.12

EQUIPMENT

PUMP TRUCK CEMENTER Arth

409 HELPER Todd

BULK TRUCK _____

378 DRIVER Nick

BULK TRUCK _____

_____ DRIVER _____

COMMON	<u>150</u>	@	<u>16.25</u>	<u>2437.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>3.5</u>	@	<u>58.20</u>	<u>203.70</u>
ASC		@		
HANDLING	<u>158</u>	@	<u>2.25</u>	<u>355.50</u>
MILEAGE	<u>11/58/16</u>			<u>867.00</u>
TOTAL				<u>4016.75</u>

REMARKS:

Run 5 Joints of 8 5/8 & landing joint

Est Circulation - Mud Pump

Displace with

Cement did Circulate

Thank's!!!

CHARGE TO: Dowling - Nelson Oil CO

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1125.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 100 @ 7.00 700.00

MANIFOLD _____ @ _____

CO2 100 @ 4.00 400.00

TOTAL 2225.00

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL _____

To Allied Cementing Co., 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.

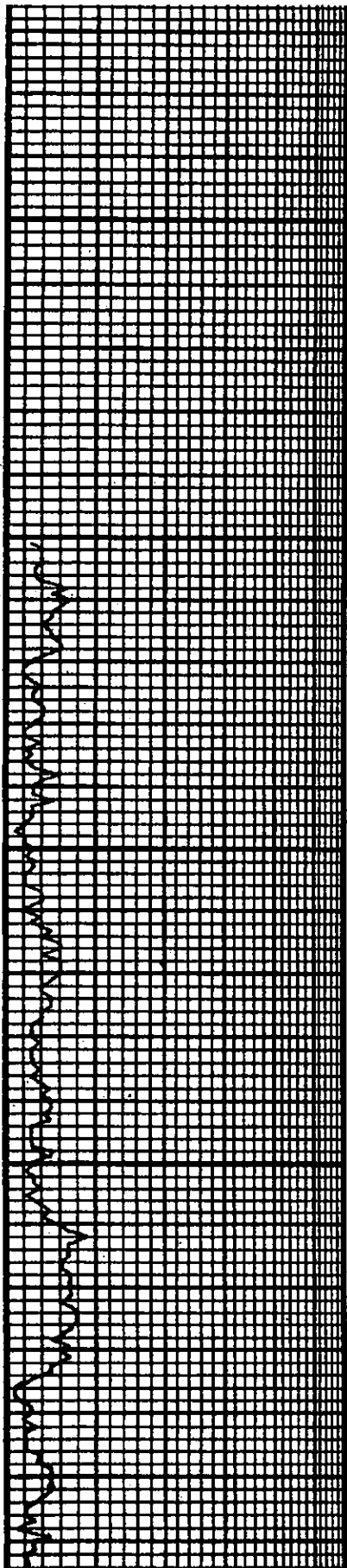
PRINTED NAME Chiff Mangal

SIGNATURE _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT 20/50 IF PAID IN 30 DAYS

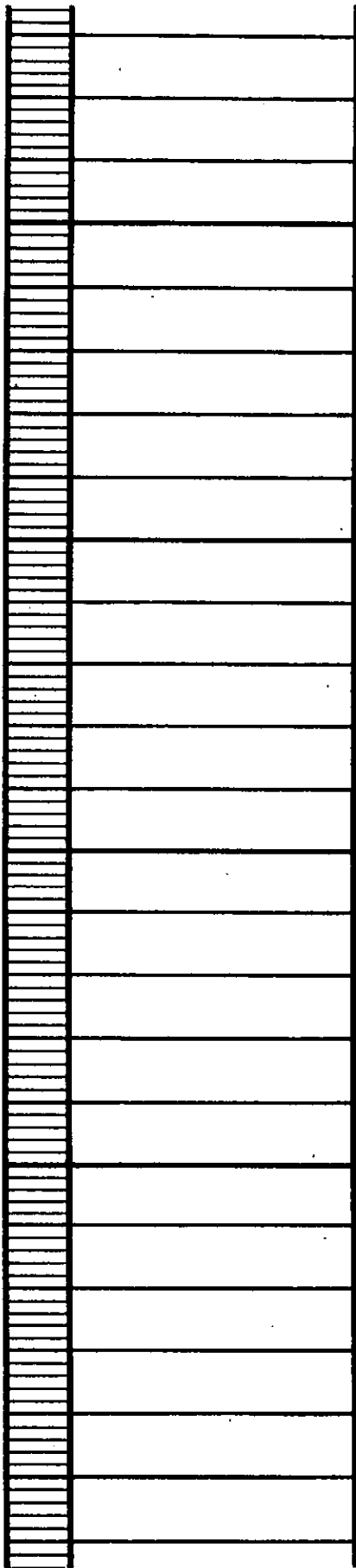


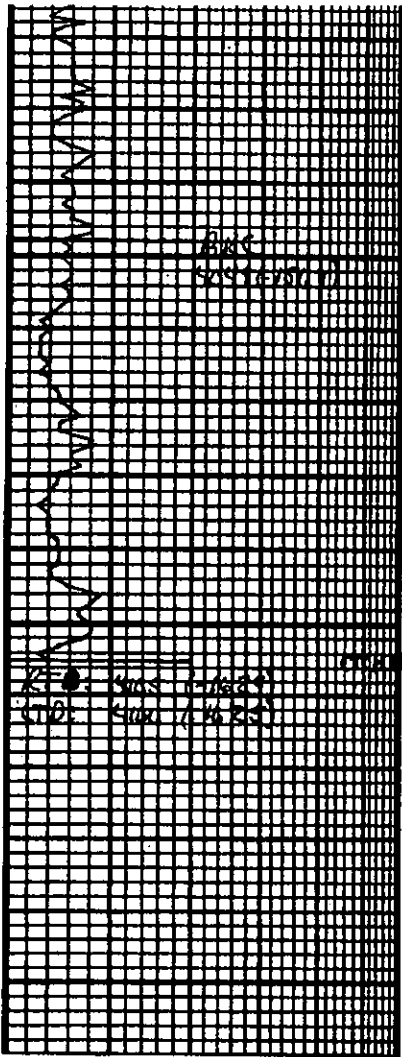
3600

50

3700

50



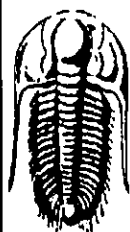


50

460

LS: tam. unt. ul ul. As. P. P. oca. ul fr SFO in p. It ed.
Sh: dok gij
LS: unt. As. mel. xly. scot fas, sub xh in pt. All ns
Sh: bun ul gij. Tong red, washes red.
LS: unt-fam, ches.
Sh: bun red.
LS: AIA
<i>M. J. J. J.</i>





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

Job Ticket: 44153

DST#: 1

ATTN: Marc Downing

Test Start: 2011.07.26 @ 06:06:31

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:38:01

Time Test Ended: 11:47:31

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3859.00 ft (KB) To 3882.00 ft (KB) (TVD)**

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3882.00 ft (KB) (TVD)

2470.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8734

Outside

Press@RunDepth: 217.76 psig @ 3867.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.26

End Date:

2011.07.26

Last Calib.: 2011.07.26

Start Time: 06:06:32

End Time:

11:47:31

Time On Btm: 2011.07.26 @ 07:36:31

Time Off Btm: 2011.07.26 @ 09:54:01

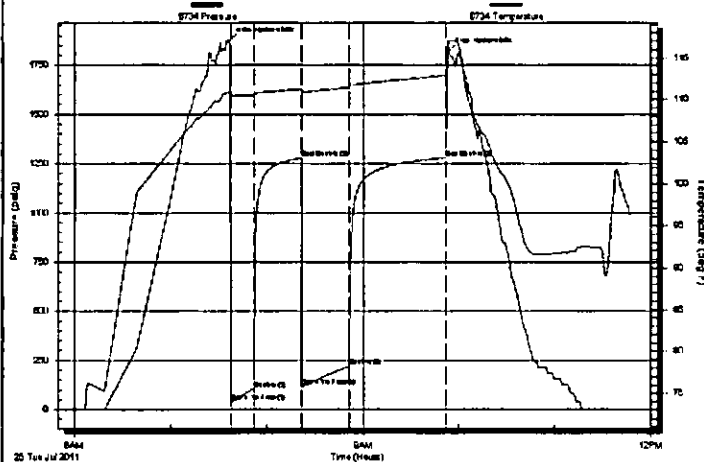
TEST COMMENT: IFP - BOB 45 sec

ISI - BOB 13 min

FFP - BOB 6 min

FSI - BOB 6 min

Pressure vs Time



PRESSURE SUMMARY

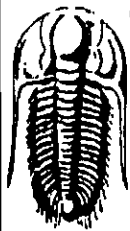
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.86	110.91	Initial Hydro-static
2	38.06	110.52	Open To Flow (1)
16	104.34	110.50	Shut-In(1)
45	1279.20	111.26	End Shut-In(1)
46	117.13	110.91	Open To Flow (2)
75	217.76	111.47	Shut-In(2)
136	1280.38	112.91	End Shut-In(2)
138	1818.30	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW 95%W, 5%M	2.80
45.00	WM 50%W, 50%M	0.63
215.00	FREE OIL 95%O, 5%M	3.02
0.00	1440 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

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

Job Ticket: 44153

OST#: 1

ATTN: Marc Downing

Test Start: 2011.07.26 @ 06:06:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	MW 95%W, 5%M	2.804
45.00	WM 50%W, 50%M	0.631
215.00	FREE OIL 95%O, 5%M	3.016
0.00	1440 GIP	0.000

Total Length:

480.00 ft

Total Volume:

6.451 bbl

Num Fluid Samples: 0

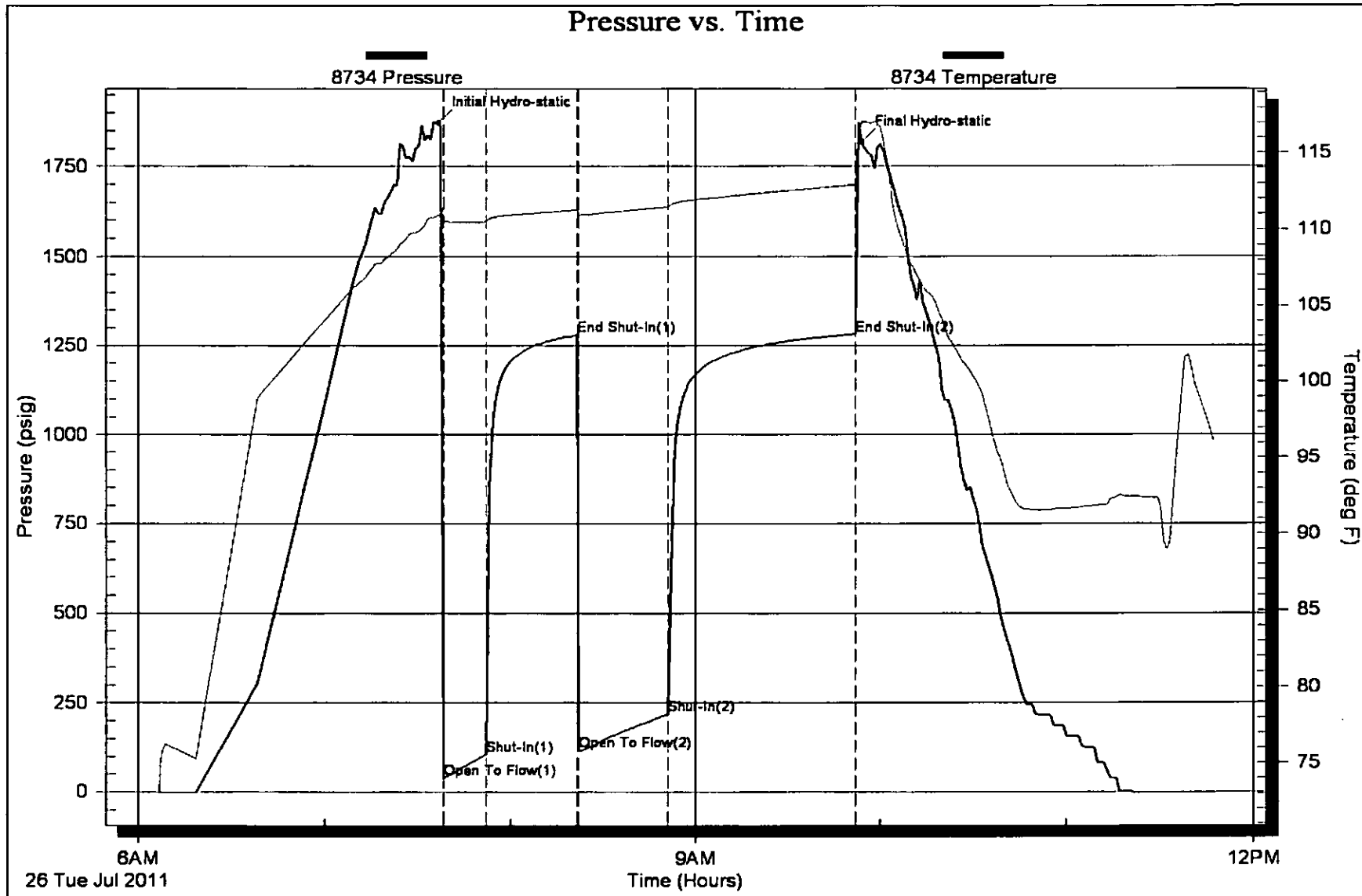
Num Gas Bombs: 0

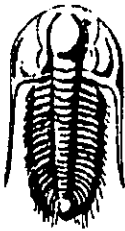
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

Job Ticket: 44154 DST#: 2

ATTN: Marc Downing

Test Start: 2011.07.26 @ 19:15:38

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:08

Time Test Ended: 01:00:38

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3880.00 ft (KB) To 3902.00 ft (KB) (TVD)**

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3902.00 ft (KB) (TVD)

2470.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: **8734**

Outside

Press@RunDepth: 169.22 psig @ 3884.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.26

End Date:

2011.07.27

Last Calib.: 2011.07.27

Start Time: 19:15:39

End Time:

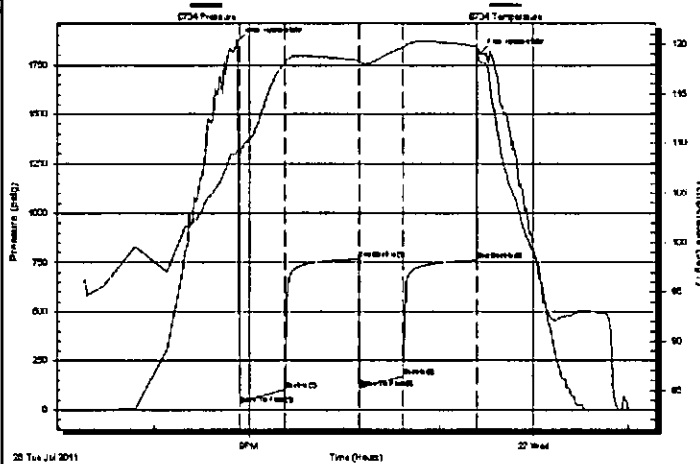
01:00:38

Time On Btm: 2011.07.26 @ 20:52:38

Time Off Btm: 2011.07.26 @ 23:26:08

TEST COMMENT: IFF - BOB 6 min
ISI - 6" blow back
FFP - BOB 8 min
FSI - BOB 17 min

Pressure vs. Time



PRESSURE SUMMARY

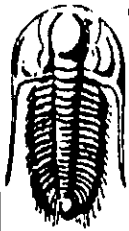
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.14	109.29	Initial Hydro-static
2	27.75	108.93	Open To Flow (1)
30	102.52	118.06	Shut-In(1)
77	767.27	118.37	End Shut-In(1)
77	110.82	118.17	Open To Flow (2)
105	169.22	119.66	Shut-In(2)
151	760.83	119.77	End Shut-In(2)
154	1810.14	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	MW 90%W, 10%M	1.75
105.00	SOCWM 5%O 45%W, 50%M	1.47
60.00	FREE OIL 95%O, 5%M	0.84
0.00	760' 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

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

Job Ticket: 44154

DST#: 2

ATTN: Marc Downing

Test Start: 2011.07.26 @ 19:15:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

85000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	MW 90%W, 10%M	1.752
105.00	SOCWM 5%O 45%W, 50%M	1.473
60.00	FREE OIL 95%O, 5%M	0.842
0.00	760' GP	0.000

Total Length: 310.00 ft

Total Volume: 4.067 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

