



KANSAS CORPORATION COMMISSION 1072775
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>01/10/2012</u>	<u>01/15/2012</u>	<u>01/16/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-065-23796-00-00

Spot Description: _____
SE NW SE NE Sec. 27 Twp. 9 S. R. 24 East West
1790 Feet from North / South Line of Section
690 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Graham
Lease Name: Donnie Well #: 2
Field Name: Kohart

Producing Formation: LKC
Elevation: Ground: 2488 Kelly Bushing: 2496
Total Depth: 4110 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: 2132 Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 2132 w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 15000 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 Garriso Date: 03/15/2012



1072775

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Donnie Well #: 2
 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 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: Micro Dual Induction Compensated Density/Neutron	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Top Anhydrite</td> <td>2145'</td> <td>+348</td> </tr> <tr> <td>Base Anhydrite</td> <td>2178'</td> <td>+315</td> </tr> <tr> <td>Topeka</td> <td>3580'</td> <td>-1087</td> </tr> <tr> <td>Heebner</td> <td>3795'</td> <td>-1302</td> </tr> <tr> <td>Tornoto</td> <td>3819'</td> <td>-1326</td> </tr> <tr> <td>LKC</td> <td>3836'</td> <td>-1343</td> </tr> <tr> <td>BKC</td> <td>4060'</td> <td>-1567</td> </tr> </tbody> </table>	Name	Top	Datum	Top Anhydrite	2145'	+348	Base Anhydrite	2178'	+315	Topeka	3580'	-1087	Heebner	3795'	-1302	Tornoto	3819'	-1326	LKC	3836'	-1343	BKC	4060'	-1567
Name	Top	Datum																							
Top Anhydrite	2145'	+348																							
Base Anhydrite	2178'	+315																							
Topeka	3580'	-1087																							
Heebner	3795'	-1302																							
Tornoto	3819'	-1326																							
LKC	3836'	-1343																							
BKC	4060'	-1567																							

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	8.0625	23	221.03	Common	150	2% Gel and 3% CC
Production String	7.875	5.5	14	4109.02	EA/2	135	

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	4030' to 4033'	250 gallons 15% Mud Acid	4030' to 4033'
4	4010' to 4015'	500 gallons 15% Mud Acid	4010' to 4015' & 3990' to 4000'
4	3990' to 3993'		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4053.03</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>02/14/2012</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>15</u>	Gas Mcf <u>0</u>	Water Bbls. <u>25</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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

03-2025
324-1041

Home Office P.O. BOX 1000

No. 565

Date	1-10-12	Sec.	27	Twp.	9	Range	24	County	Graham	State	Ks	On Location		Finish	5:15 PM
Lease	Donnie		Well No.	2		Location Wakeeney, Ks - N to Redline Rd, 6W									
Contractor	Discovery #1					Owner to 200 Rd, 10, W + S to Rig									
Type Job	Surface					To Quality Oilwell Cementing, Inc.									
Hole Size	12 1/4"		T.D.	221'											
Csg.	8 5/8"		Depth	221'											
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint	15'											
Meas Line			Displace	13 BLS		Cement Amount Ordered 150 sz Common 3% CC 22.62									

EQUIPMENT

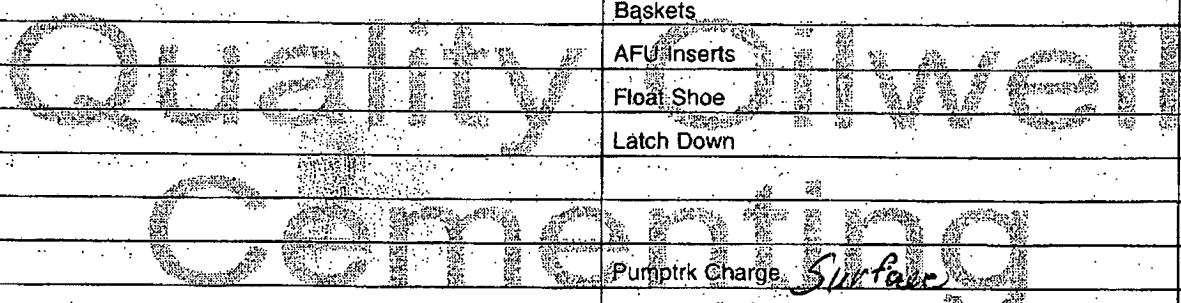
Pumptrk	1	No.	Cementer	Cisco	Common	150
			Helper			
Bulktrk	14	No.	Driver	Mike	Poz. Mix	
			Driver			
Bulktrk	piu	No.	Driver	Rick	Gel.	3
			Driver			

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate					
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 158					
	Mileage					

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down



Pumptrk Charge	Surface
Mileage	35

Tax	
Discount	
Total Charge	

X Signature *Jeff Maffell*

Marc Downing

Geology, Petroleum Geology

211 Washington Blvd

Days KS 67601

Phone: 620-428-1351 (ext) 795-421-2285

9s 24w

27

LKC

Downing-Nelson Oil Co., Inc.

9s 24w

27

LKC

Donnie # 2-27

Wildcat

1790' FNL + 690' FEL

PRODUCTION

2493

27 9s 24w

ELEVATION

Graham

2465

Kansas

KB

DNOCI

Discovery Drilling Rig #1

1-10-12 1-15-12

3900 TD

3500 TD

3900 TD

3500

Marc Downing

Superior

4 5/8" @ 221' 5 1/2" @ 410'

CNL/COL

DIL

MEL

4110

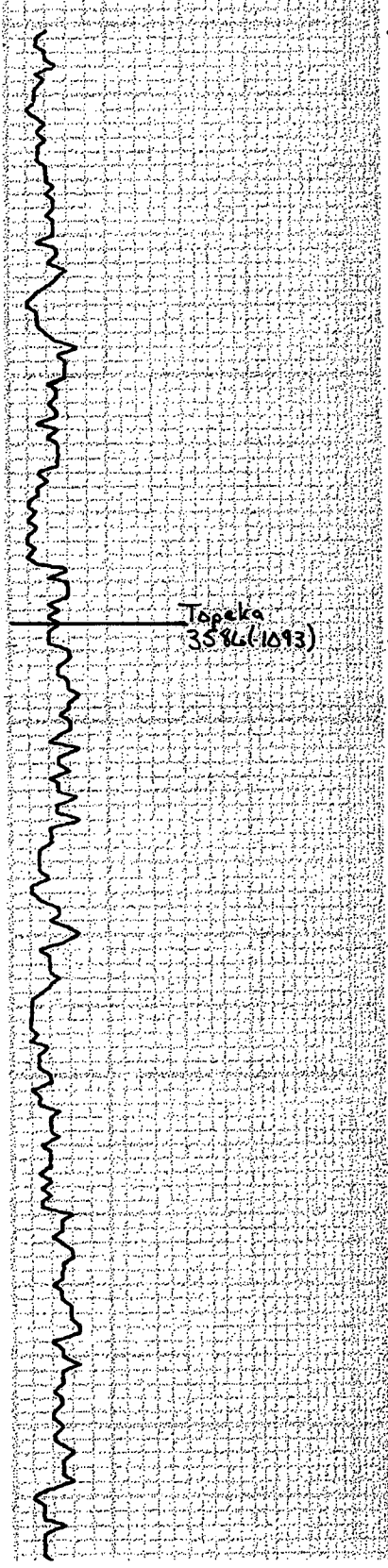
4106

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	WELL TOP	STRUCTURAL POSITION	WELL TOP	STRUCTURAL POSITION
Top Anhydrite	2147	2145	+348	-4
Base Anhydrite	2183	2178	+315	-4
Topeka	3566	3580	-1087	FL
HEEBNER	3801	3795	-1302	FL
Toronto	3824	3819	-1326	-1
LKC	3841	3836	-1343	-1
BKC	4068	4060	-1567	-1

DNOCI

Jennie # 1-27 335' FNL + 335' FEL Sec. 27-9s-24w



3500

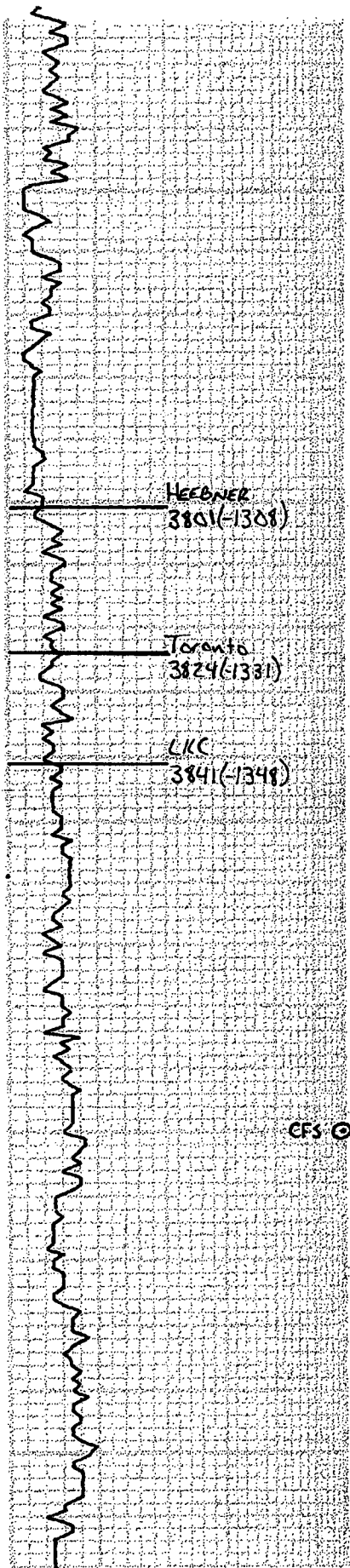
50

3600

50

3700

Topoka
(3586-1093)



50

HEEDNER
3801(-1308)

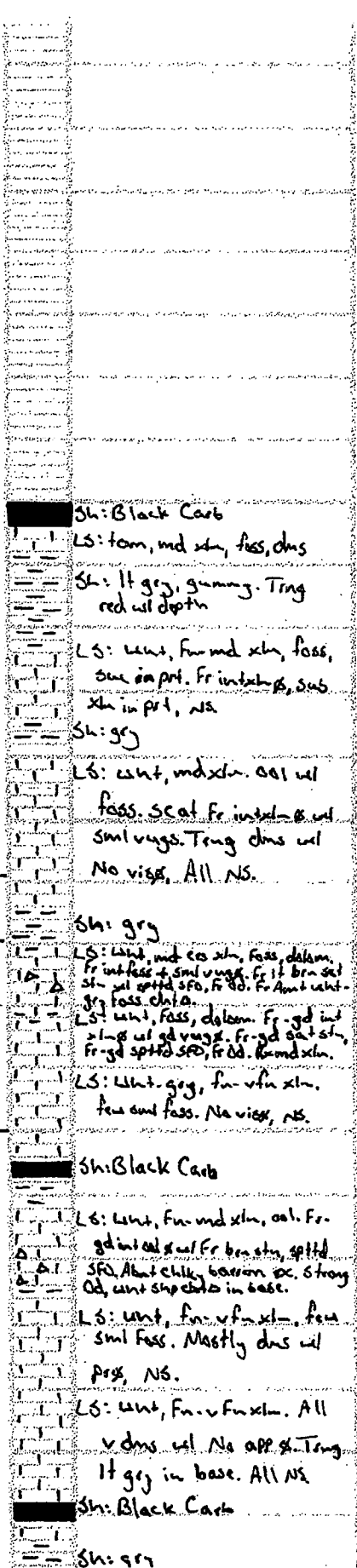
3900

Toronto
3824(-1331)

LKC
3841(-1348)

50

CF5 @ 3900



0
5
1

Sh: Black Carb
LS: tan, med xln, foss, chms

Sh: lt grey, graning. Trng red w/ depth

LS: wht, fm med xln, foss, some in prt. Fr interbeds, sub xln in prt, ns

Sh: grey
LS: wht, med xln. ool w/ foss. scat fr interbeds w/ smtl vugs. Trng chms w/

No vigs. All NS.

Sh: grey
LS: wht, med co xln, foss, delam. fr int foss + smtl vugs. Fr lt brn det sh. w/ spotted sfo, fr co. Fr Abnt wht-gry foss chms.

LS: wht, foss, delam. Fr. gd int xln w/ gd vugs. Fr. gd det sh. Fr. gd spotted sfo, fr co. med xln.

LS: wht. grey, fm vfn xln. few det foss. No vigs, ns

Sh: Black Carb
LS: wht, fm med xln, ool. Fr. gd int det w/ fr brn sh, spotted sfo. Abnt chly, basem sp. strong Od, wnt sup chms in base.

LS: wht, fm vfn xln. few smtl foss. Mostly chms w/ porp, ns.

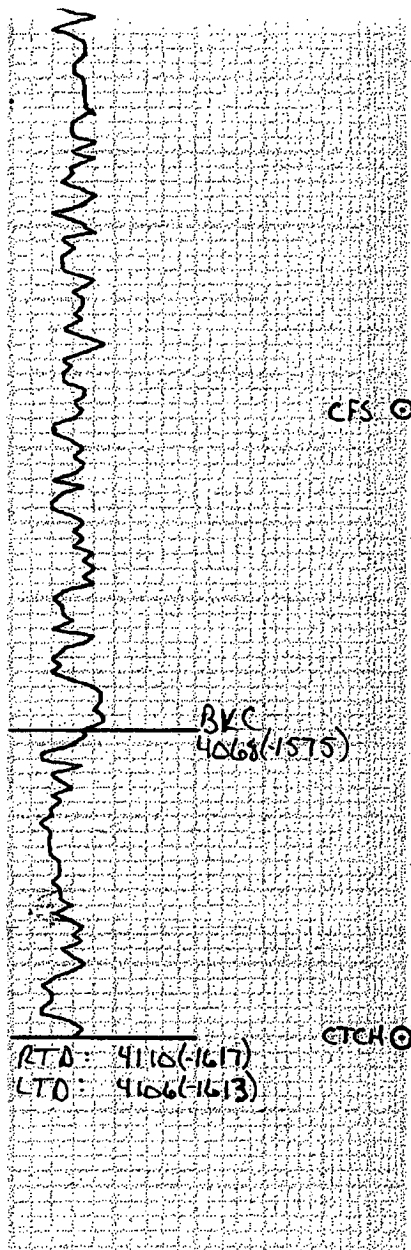
LS: wht, fm vfn xln. All v chms w/ No app. sh. Trng lt grey in base. All NS

Sh: Black Carb

Sh: grey

50

Vis: 65 Wt: 8.6
OST #1
3859-3900
15-30-30.45
I.F.-BOB 3 1/2 min / Surf 52B
F.F.-BOB 7 min
IFP: 66-175
FFP: 143-290
SIP: 324-327
HP: 1973-1973
Rec:
63' GIP
504' med 90% w
63' com 30% w
BHT: 117' Chlar: 90K



LS: wht-tan, med xln, Fass. Fr int
 Fass, siltly lite, few sun lugs. scat
 Hbrn gty + scat ul spotted sfo. 4-5
 rx ul dead blk str. H-Fr Od. Rx
 tang lite cal prst.

Sh: gry
 LS: tan-wh, med xln, Fass dalam
 in prst. Fr gtd in silt. Friable. Fr gtd
 lt brn scat ul Fr spotted sfo. Fr gtd
 Od, free oil on cup.

Sh: lt gry. gamang

LS: wht, med xln, dalam ul
 few Fass. e. od. Fr int silt. ul
 lt brn str, spotted sfo, H-Fr Od.

Sh: gry-dk gry

LS: tan-wh, med-crs xln, tot
 Fass. gd vgd int Fass + vgd.
 gd scat ul ul gd vgd sfo. Fr.
 gd Od.

Sh: gry

LS: wht, Fr-mdb xln, scat
 Fass. v chalky, scat Fr int
 xln. 1-2 prs ul lt str, NSFO,
 No Od. Mostly barren.

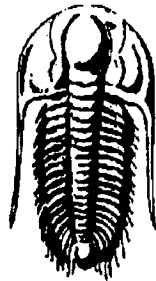
Sh: gry ul brn.

LS: tan-wh, med xln, dms.

Sh: gry

Man Jerng

Vis: 60 wt: 9.0
 OST # 2
 3993-4025
 45-45-45-45
 I.F.-BOB 14 min
 F.F.-BOB 20 min
 I.F.P: 27-41
 F.F.P: 43-59
 S.I.P: 501-463
 H.P: 1966-1949
 Rec:
 519' GIP
 49' HOCM 40%
 63' GMD 20%g, 40%o
 BHT: 110' G=NA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Ron Nelson

Donnie #2

27-9s-24w Graham,KS

Start Date: 2012.01.14 @ 11:44:18

End Date: 2012.01.14 @ 17:26:18

Job Ticket #: 46249 DST #: 1

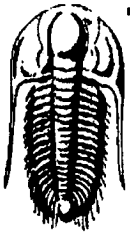
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.01.18 @ 16:54:51

Downing-Nelson Oil Co Inc 27-9s-24w Graham,KS Donnie #2 DST # 1 LKC C-D 2012.01.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46249

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.01.14 @ 11:44:18

GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:18

Time Test Ended: 17:26:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: **3859.00 ft (KB) To 3900.00 ft (KB) (TVD)**

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2495.00 ft (KB)

2487.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 279.85 psig @ 3864.00 ft (KB)

Start Date: 2012.01.14

End Date:

2012.01.14

Start Time: 11:44:19

End Time:

17:26:18

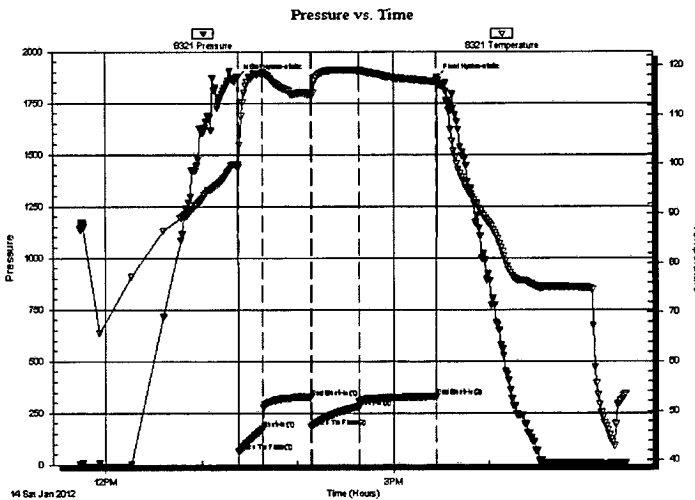
Capacity: 8000.00 psig

Last Calib.: 2012.01.14

Time On Btm: 2012.01.14 @ 13:22:48

Time Off Btm: 2012.01.14 @ 15:27:18

TEST COMMENT: IFF-Strong blow BOB in 3 1/2 min
ISI-Weak surface blow back
FFP-Good blow BOB in 7 min
FSI-Dead no blow back



PRESSURE SUMMARY

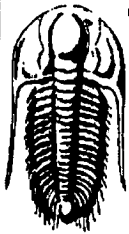
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.62	99.79	Initial Hydro-static
1	66.02	99.43	Open To Flow (1)
16	174.53	118.55	Shut-In(1)
46	326.25	114.08	End Shut-In(1)
46	182.95	113.72	Open To Flow (2)
76	279.85	118.98	Shut-In(2)
124	327.46	116.74	End Shut-In(2)
125	1872.57	116.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
504.00	MW 10% M90% W	6.80
63.00	WM 30% W70% M	0.88
0.00	63-GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46249

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.01.14 @ 11:44:18

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Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

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Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2495.00 ft (KB)

2487.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 3864.00 ft (KB)

Start Date: 2012.01.14

End Date:

2012.01.14

Start Time: 11:44:19

End Time:

17:26:18

Capacity: 8000.00 psig

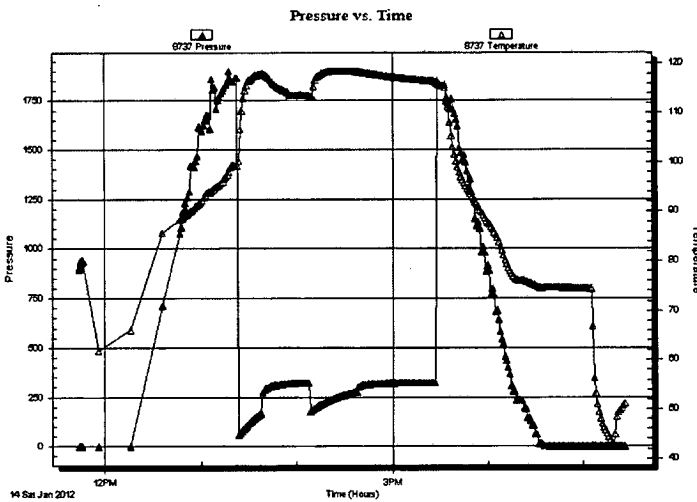
Last Calib.:

2012.01.14

Time On Btm

Time Off Btm

TEST COMMENT: IFF-Strong blow BOB in 3 1/2 min
ISI-Weak surface blow back
FFP-Good blow BOB in 7 min
FSI-Dead no blow back



PRESSURE SUMMARY

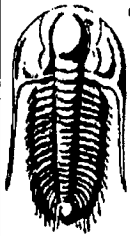
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
504.00	MW 10%/M90%W	6.80
63.00	WM 30%W70%M	0.88
0.00	63-GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46249

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.01.14 @ 11:44:18

Tool Information

Drill Pipe:	Length: 3841.00 ft	Diameter: 3.80 inches	Volume: 53.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 54.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3859.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3840.00	
Shut In Tool	5.00			3845.00	
Hydraulic tool	5.00			3850.00	
Packer	4.00			3854.00	20.00 Bottom Of Top Packer
Packer	5.00			3859.00	
Stubb	1.00			3860.00	
Perforations	4.00			3864.00	
Recorder	0.00	8321	Inside	3864.00	
Recorder	0.00	8737	Outside	3864.00	
Perforations	33.00			3897.00	
Bullnose	3.00			3900.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46249

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.01.14 @ 11:44:18

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 65.00 sec/qt
Water Loss: 7.59 in³
Resistivity: ohm.m
Salinity: 800.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
504.00	MW 10%M90%W	6.797
63.00	WM 30%W70%M	0.884
0.00	63-GIP	0.000

Total Length: 567.00 ft Total Volume: 7.681 bbl

Num Fluid Samples: 0

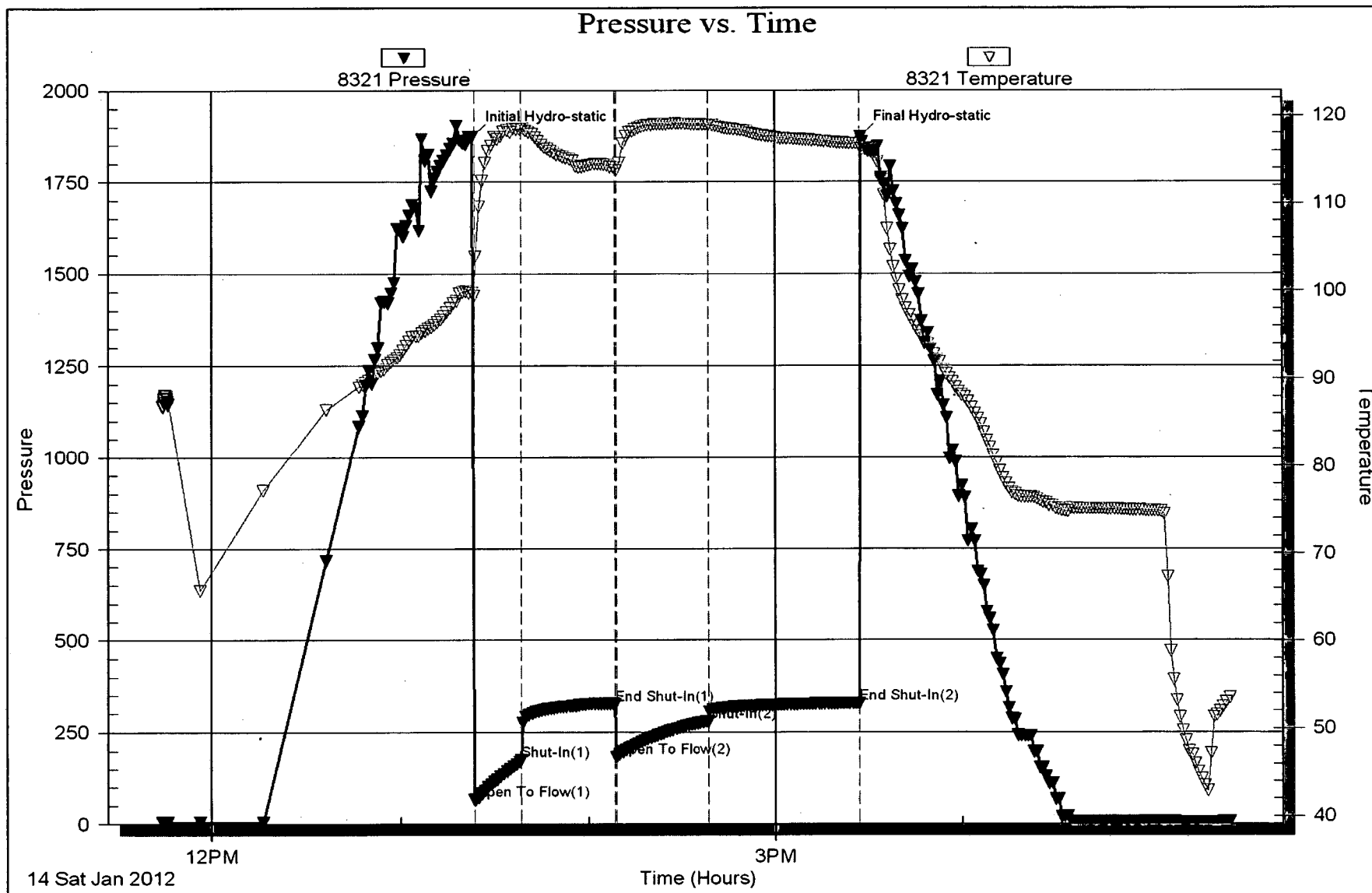
Num Gas Bombs: 0

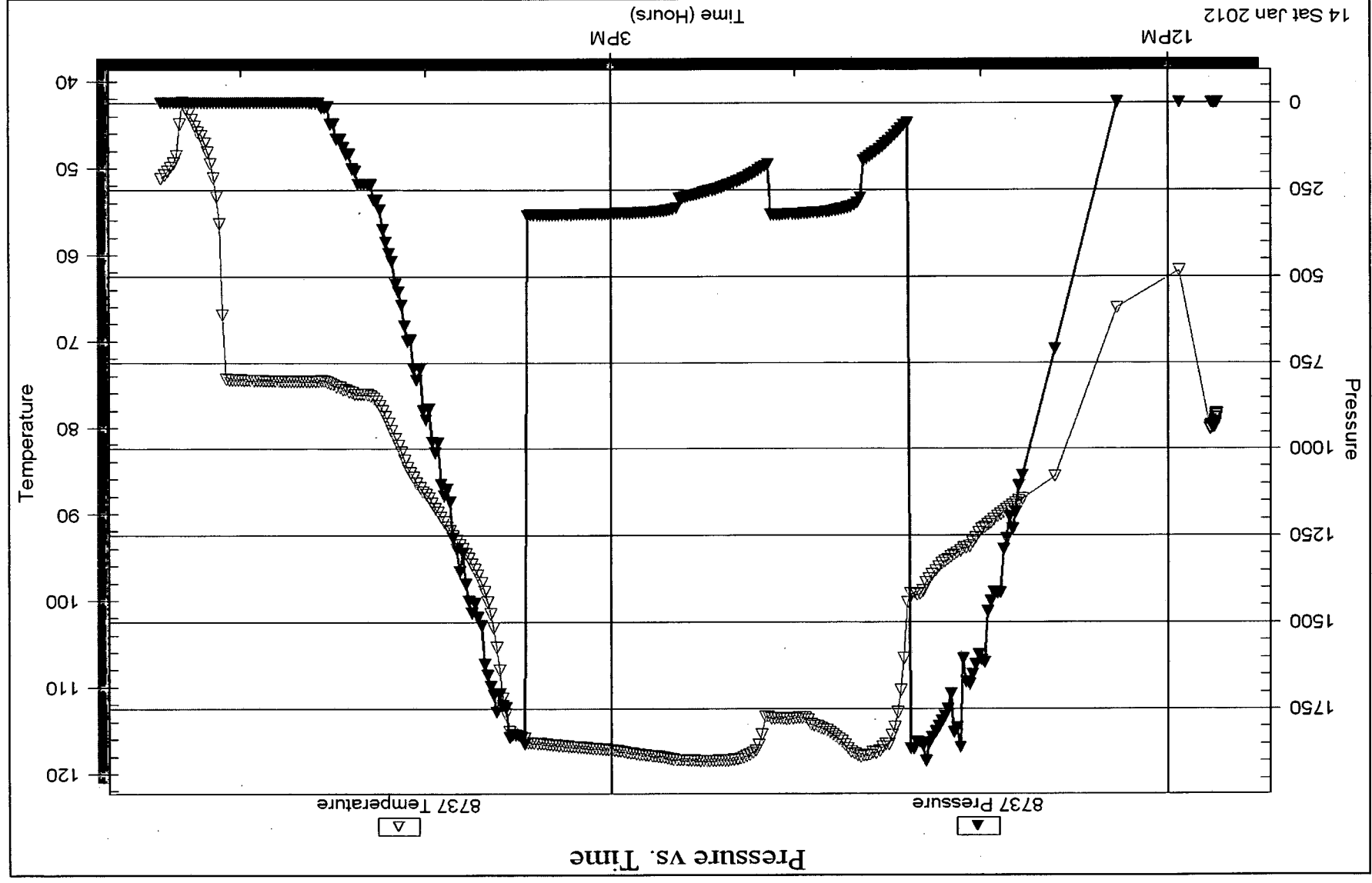
Serial #:

Laboratory Name:

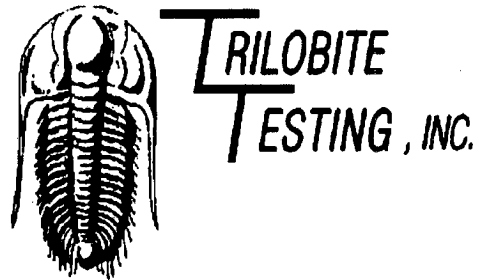
Laboratory Location:

Recovery Comments:





Serial #: 8737 Outside Downing-Nelson Oil Co Inc Donnie #2 DST Test Number: 1



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Ron Nelson

Donnie #2

27-9s-24w Graham,KS

Start Date: 2012.01.15 @ 06:06:18

End Date: 2012.01.15 @ 12:46:48

Job Ticket #: 46250 DST #: 2

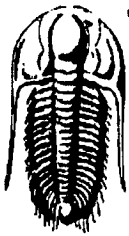
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.01.18 @ 16:54:16

Downing-Nelson Oil Co Inc
27-9s-24w Graham,KS
Donnie #2
DST # 2
LKC L-J
2012.01.15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc
 PO Box 1019
 Hays KS 67601
 ATTN: Ron Nelson

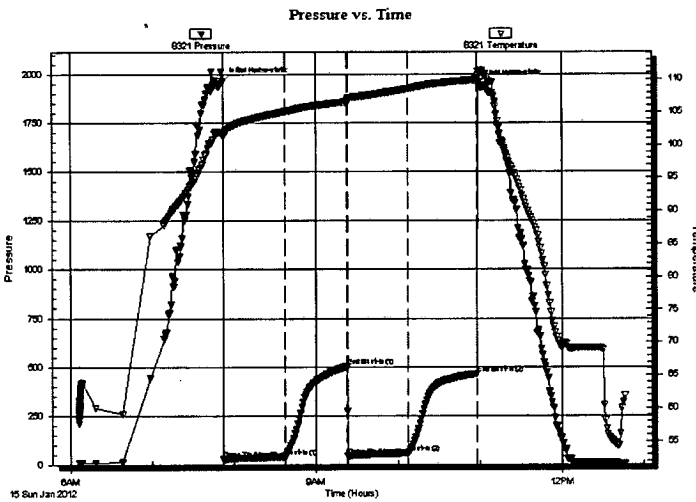
27-9s-24w Graham,KS
Donnie #2
 Job Ticket: 46250 **DST#: 2**
 Test Start: 2012.01.15 @ 06:06:18

GENERAL INFORMATION:

Formation: **LKC I-J**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **07:52:18**
 Time Test Ended: **12:46:48**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jeff Brown**
 Unit No: **44**
 Interval: **3983.00 ft (KB) To 4025.00 ft (KB) (TVD)**
 Reference Elevations: **2495.00 ft (KB)**
 Total Depth: **4025.00 ft (KB) (TVD)**
2487.00 ft (CF)
 Hole Diameter: **7.88 inches**Hole Condition: **Fair**
 KB to GR/CF: **8.00 ft**

Serial #: 8321 **Inside**
 Press@RunDepth: **57.98 psig @ 3989.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.01.15** End Date: **2012.01.15** Last Calib.: **2012.01.15**
 Start Time: **06:06:19** End Time: **12:45:48** Time On Btm: **2012.01.15 @ 07:51:48**
 Time Off Btm: **2012.01.15 @ 10:58:18**

TEST COMMENT: IFF-Good blow BOB in 14 min
 IS-Dead no blow back
 FFP-Good blow BOB in 20 min
 FSI-Dead no blow back

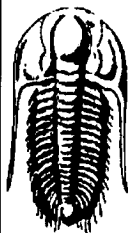


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.43	101.89	Initial Hydro-static
1	27.43	101.23	Open To Flow (1)
46	41.33	105.07	Shut-In(1)
91	501.43	106.58	End Shut-In(1)
92	42.85	106.99	Open To Flow (2)
135	57.98	108.55	Shut-In(2)
186	462.92	109.96	End Shut-In(2)
187	1948.95	110.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
48.00	HOCM 40%O60%M	0.40
63.00	HGOCM 20%G40%O40%M	0.88
0.00	519-GIP	0.00

* Recovery from multiple tests

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46250

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.01.15 @ 06:06:18

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:52:18

Time Test Ended: 12:46:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: **3983.00 ft (KB) To 4025.00 ft (KB) (TVD)**

Total Depth: 4025.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2495.00 ft (KB)

2487.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8737**

Outside

Press@RunDepth: psig @ 3989.00 ft (KB)

Start Date: 2012.01.15

End Date:

2012.01.15

Start Time: 06:06:19

End Time:

12:45:48

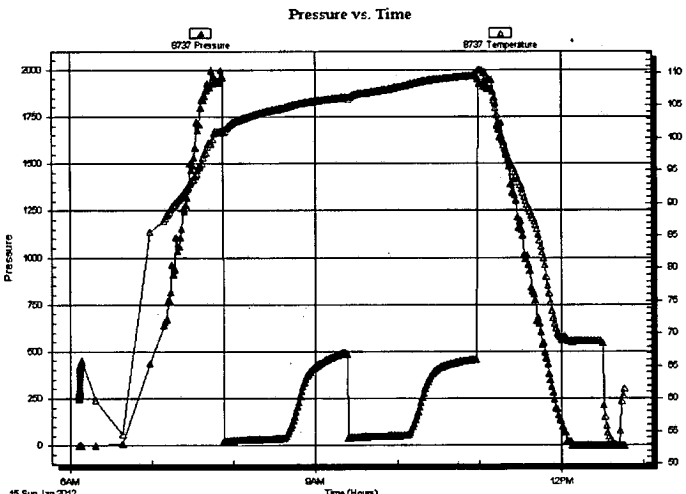
Capacity: 8000.00 psig

Last Calib.: 2012.01.15

Time On Btm

Time Off Btm

TEST COMMENT: IFF-Good blow BOB in 14 min
ISI-Dead no blow back
FFF-Good blow BOB in 20 min
FSI-Dead no blow back



PRESSURE SUMMARY

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

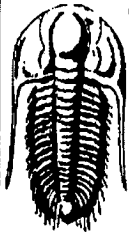
Recovery

Length (ft)	Description	Volume (bbl)
48.00	HOCM 40%O60%M	0.40
63.00	HGOCM 20%G40%O40%M	0.88
0.00	519-GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

27-9s-24w Graham, KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46250

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.01.15 @ 06:06:18

Tool Information

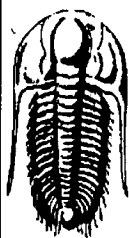
Drill Pipe:	Length: 3965.00 ft	Diameter: 3.80 inches	Volume: 55.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 55.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3983.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3964.00	
Shut In Tool	5.00			3969.00	
Hydraulic tool	5.00			3974.00	
Packer	4.00			3978.00	20.00 Bottom Of Top Packer
Packer	5.00			3983.00	
Stubb	1.00			3984.00	
Perforations	5.00			3989.00	
Recorder	0.00	8321	Inside	3989.00	
Recorder	0.00	8737	Outside	3989.00	
Perforations	33.00			4022.00	
Bullnose	3.00			4025.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

27-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Donnie #2

Job Ticket: 46250

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.01.15 @ 06:06:18

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
48.00	HOCM40%O60%M	0.400
63.00	HGOCM20%G40%O40%M	0.884
0.00	519-GIP	0.000

Total Length: 111.00 ft Total Volume: 1.284 bbl

Num Fluid Samples: 0

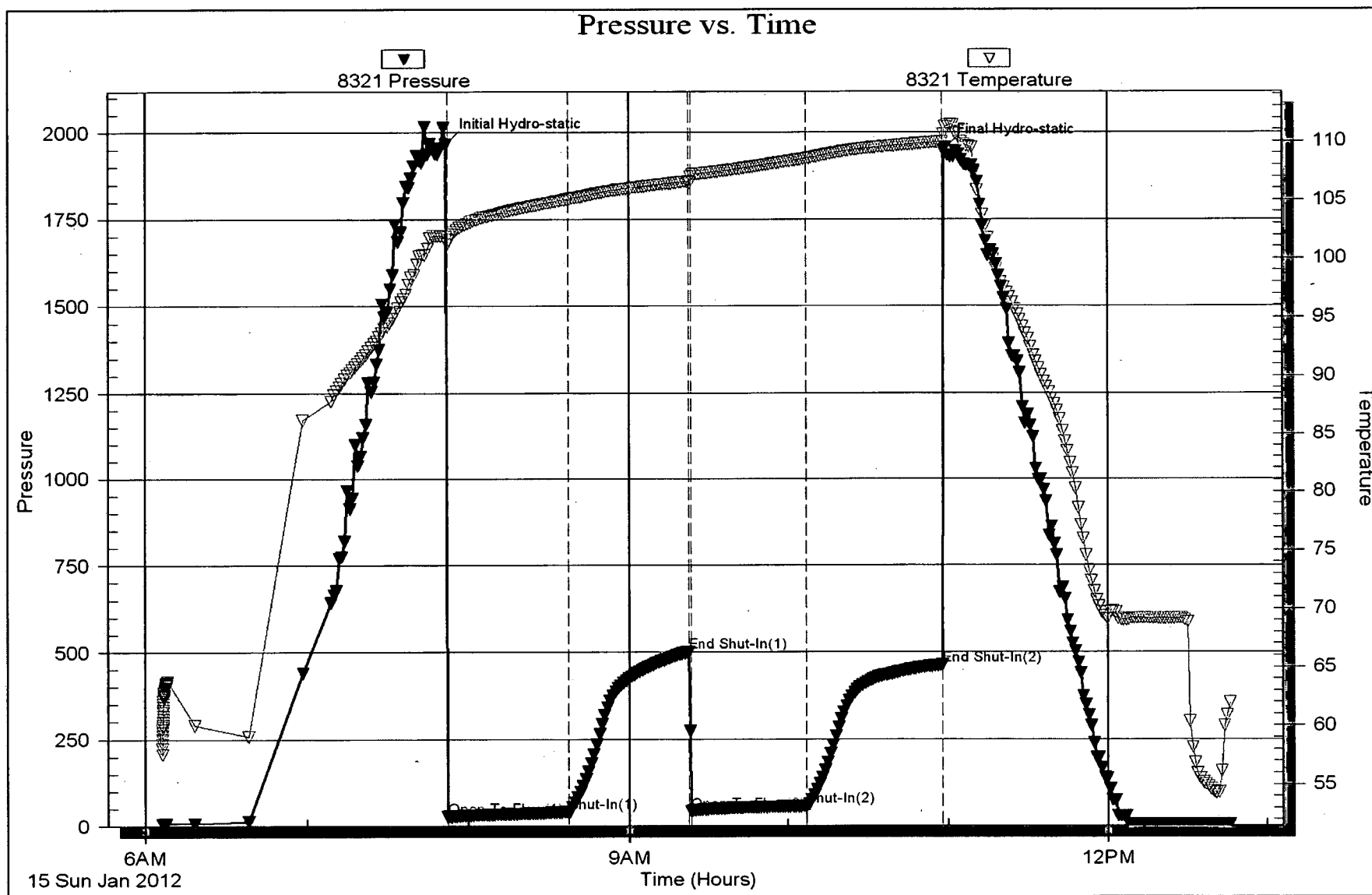
Num Gas Bombs: 0

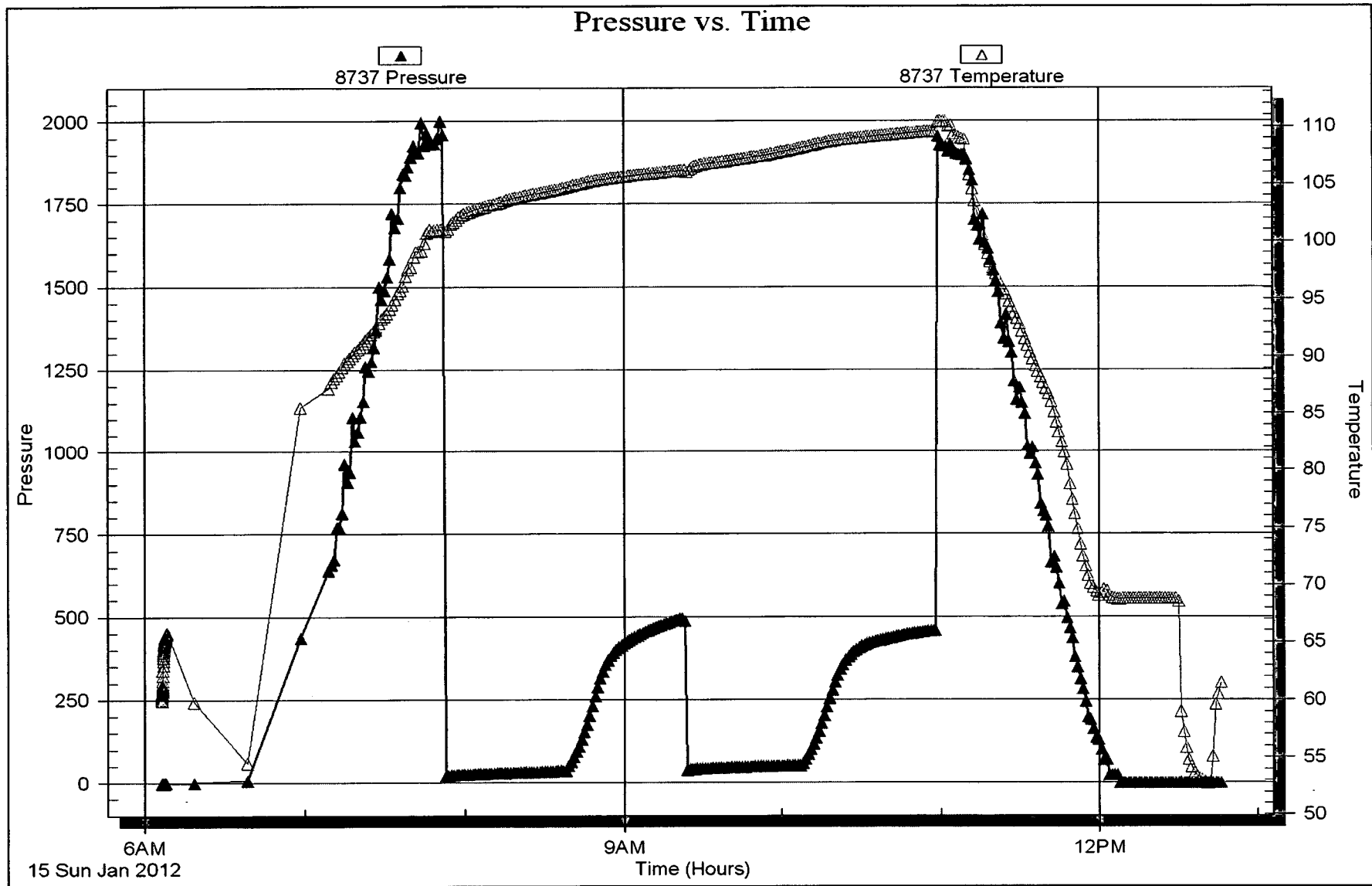
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 17 2012

Test Ticket

NO. 46249

Well Name & No. Donnie #2 Test No. 1 Date 1-14-12
 Company Downing-Nelson Oil Co Inc Elevation 2495 KB 2487 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 27 Twp. 9S Rge. 24W Co. Graham State KS

Interval Tested 3859-3900 Zone Tested LKC-C-D
 Anchor Length 41 Drill Pipe Run 3841 Mud Wt. 8.6
 Top Packer Depth 3854 Drill Collars Run 30 Vis 2.5
 Bottom Packer Depth 3859 Wt. Pipe Run 0 WL 7.6
 Total Depth 3900 Chlorides 800 ppm System LCM 2 1/2

Blow Description PP-Strong Blow Bob IN 3 1/2 min
BT-Weak surface Blow Back
FP-GOOD Blow Bob IN 7 min
BT-Dead NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
504	MW			90	10
63	WM			30	70
	63-GIP				

Rec Total 567 BHT 117 Gravity API RW, 137 @ 47.4° F Chlorides 90,000 ppm

(A) Initial Hydrostatic 1873 Test 1125 T-On Location 10:28
 (B) First Initial Flow 660 Jars T-Started 11:44
 (C) First Final Flow 175 Safety Joint T-Open 13:23
 (D) Initial Shut-In 326 Circ Sub T-Pulled 15:23
 (E) Second Initial Flow 183 Hourly Standby T-Out 17:26
 (F) Second Final Flow 280 Mileage 112 RT 156.80 Comments
 (G) Final Shut-In 327 Sampler
 (H) Final Hydrostatic 1873 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer

Initial Open 15 Extra Packer Extra Copies
 Initial Shut-In 30 Extra Recorder Sub Total 0
 Final Flow 30 Day Standby Total 1281.80
 Final Shut-In 45 Accessibility MP/DST. Disc't
 Sub Total 1281.80

Approved By _____ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

JAN 18 2012

Test Ticket

NO. 46250

BY: _____

Well Name & No. Donnie #2 Test No. 2 Date 1-15-12
 Company Downing - Nelson Oil Co INC Elevation 2495 KB 2487 GL
 Address PO Box 1019 Hays KS 677401
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 27 Twp. 9S Rge. 24W Co. Graham State KS

Interval Tested 3983-4025 Zone Tested 4KC - I-5
 Anchor Length 42 Drill Pipe Run 3945 Mud Wt. 9.0
 Top Packer Depth 3978 Drill Collars Run 30 Vis 60
 Bottom Packer Depth 3983 Wt. Pipe Run 0 WL 8.0
 Total Depth 4025 Chlorides 1500 ppm System LCM 1/2

Blow Description FP - Good Blow Bob IN 14 min
ISF - Dead NO Blow Back
FP - Good Blow Bob IN 20 min
ISF - Dead NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>48</u>	<u>HO CM</u>	<u>40</u>	<u>40</u>	<u>60</u>	<u>60</u>
<u>43</u>	<u>H60 CM</u>	<u>20</u>	<u>40</u>	<u>40</u>	<u>40</u>
<u> </u>	<u>519 - COIP</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 111 BHT 110 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

- (A) Initial Hydrostatic 19640
- (B) First Initial Flow 27
- (C) First Final Flow 41
- (D) Initial Shut-In 501
- (E) Second Initial Flow 43
- (F) Second Final Flow 58
- (G) Final Shut-In 463
- (H) Final Hydrostatic 1949

- Test 1225
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 112 RT 150.80
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1381.80

T-On Location 5:27
 T-Started 6:00
 T-Open 7:52
 T-Pulled 10:52
 T-Out 12:40

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1381.80
 MP/DST Disc'l _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.