

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 30717  
Name: Downing Nelson Oil Company, Inc.  
Address 1: P.O. Box 372  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Ron Nelson  
Phone: ( 785 ) 621-2610  
CONTRACTOR: License # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Marc Downing  
Purchaser: Coffeyville Resources

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
*(Core, WSW, Expl., Cathodic, 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  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
11/27/09      12/03/09      12/04/09  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

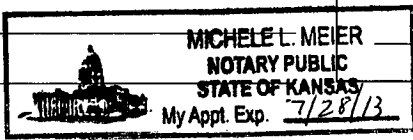
API No. 15 - 195-22,634-00-00  
Spot Description: 130' E of  
NE SW NE Sec. 15 Twp. 13 S. R. 21  East  West  
1640 Feet from  North /  South Line of Section  
1520 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Trego  
Lease Name: Muhlheim "B" Well #: 10  
Field Name: Homburg  
Producing Formation: LKC  
Elevation: Ground: 2199' Kelly Bushing: 2207'  
Total Depth: 3950' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 217.66 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1543 Feet  
If Alternate II completion, cement circulated from: 1543  
feet depth to: 0 w/ 155 <sup>sq ft</sup> ATZ-Dlg - 2/15/10

**Drilling Fluid Management Plan**  
*(Data must be collected from the Reserve Pit)*  
Chloride content: 14,000 ppm Fluid volume: 240 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]  
Title: Vice President Date: 02/08/10  
Subscribed and sworn to before me this 8 day of February,  
20 10.  
Notary Public: Michelle L Meier  
Date Commission Expires: 7/28/13



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
**FEB 11 2010**

**KCC WICHITA**

Operator Name: Downing Nelson Oil Company, Inc. Lease Name: Muhlheim "B" Well #: 10  
 Sec. 15 Twp. 13 S. R. 21  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 copy of all Electric Wireline 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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>Micro, Compensated Density/Neutron and Dual Induction</b>	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Top Anhydrite</td> <td>1519'</td> <td>+688</td> </tr> <tr> <td>Base Anhydrite</td> <td>1611'</td> <td>+596</td> </tr> <tr> <td>Topeka</td> <td>3230'</td> <td>-1023</td> </tr> <tr> <td>Heebner</td> <td>3456'</td> <td>-1249</td> </tr> <tr> <td>Toronto</td> <td>3474'</td> <td>-1267</td> </tr> <tr> <td>LKC</td> <td>3490'</td> <td>-1283</td> </tr> <tr> <td>BKC</td> <td>3682'</td> <td>-1475</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	1519'	+688	Base Anhydrite	1611'	+596	Topeka	3230'	-1023	Heebner	3456'	-1249	Toronto	3474'	-1267	LKC	3490'	-1283	BKC	3682'	-1475
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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 1/4	8 5/8	20	217.66	Common	150	2% Gel & 3% CC
Production String	7 7/8	5 1/2	14	3947.50	EA/2	150	
			Port Collar @	1543'	MD	155	

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 (Amount and Kind of Material Used)	Depth
4	3876' - 3880'	350 gal. 15% INS Acid	3876' - 3880'
4	3896' - 3898'	750 gal. 15% Mud Acid	3834' - 3840' & 3825' <input checked="" type="checkbox"/>
4	3834' - 3840' & 3825' - 3828'	2500 gal. 15% INS Acid	3834' - 3840' & 3825' <input checked="" type="checkbox"/>
4	3671' - 3675'	250 gal 15% Mud Acid	3671' - 3675'
4	3628' - 3632'	250 gal 15% Mud Acid	3628' - 3632'

TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3815.43'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>01/13/10</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>25</u>	Gas Mcf <u>0</u>	Water Bbls. <u>20</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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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DOWNING-NELSON OIL CO., INC.  
MUEHLHEIM "B" #10  
1640' FNL & 1520' FEL  
SEC. 15-13s-21w

K.B. 2207  
G.L. 2199

Contractor: Dicovory Drilling Rig #3

Wellsite Geologist: Marc Downing

Spud Date: 11-27-09

Completion Date: 12-2-09

Casing:

Surface: 8 5/8" @ 218'  
Production: 5 1/2" @ 3949'

Log tops:

Anhydrite	1519 (+688)
Base Anhydrite	1611 (+596)
Topeka	3230 (-1023)
Heebner	3456 (-1249)
Toronto	3474 (-1267)
LKC	3490 (-1283)
BKC	3682 (-1475)
Marmaton	3808 (-1601)
Cherokee Sh.	3849 (-1642)
Arbuckle	3876 (-1669)

RTD: 3950  
LTD: 3951

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Downing & Nelson Oil Company  
PO Box 372  
Hays, KS 67601

API No. 195-22,634-00-00

Muhlheim "B" #10

15-13-21w

**Continuation of Tops**

Name	Top	Datum
Marmaton	3808'	-1601
Cherokee Shale	3849'	-1642
Arbuckle	3876'	-1669

**Continuation of Perforation**

4 shots per foot	3566' – 3570'
4 shots per foot	3527' – 3530'
4 shots per foot	3497' – 3499'

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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3013

Date	11-27-09	Sec.	15	Twp.	13	Range	21	County	Trego	State	KS	On Location		Finish	6:00PM																		
Lease	Muhlheim 8	Well No.	10			Location Riga 8141 E to 390 AVE 1/4 S W1/4 T10																											
Contractor	Downing #3							Owner																									
Type Job	Surface job							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.			218																										
Csg.	8 5/8 (2076)			Depth			217.66																										
Tbg. Size				Depth			Charge To Downing & NELSON																										
Drill Pipe				Depth			Street																										
Tool				Depth			City State																										
Cement Left in Csg.	10-56			Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.																										
Press Max.				Minimum			<table border="1"> <tr> <th colspan="2">CEMENT</th> </tr> <tr> <td>Amount Ordered</td> <td>1500 com 230 gal 3800</td> </tr> <tr> <td>Common</td> <td>150 @ 10 = 1500.00</td> </tr> <tr> <td>Poz. Mix</td> <td></td> </tr> <tr> <td>Gel.</td> <td>3 @ 17.00 = 51.00</td> </tr> <tr> <td>Calcium</td> <td>5 @ 42.00 = 210.00</td> </tr> <tr> <td>Mills</td> <td></td> </tr> <tr> <td>Salt</td> <td></td> </tr> <tr> <td>Flowseal</td> <td></td> </tr> </table>									CEMENT		Amount Ordered	1500 com 230 gal 3800	Common	150 @ 10 = 1500.00	Poz. Mix		Gel.	3 @ 17.00 = 51.00	Calcium	5 @ 42.00 = 210.00	Mills		Salt		Flowseal	
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Meas. Line				Displace			13 1/4 bbls																										
Perf.																																	
EQUIPMENT																																	
Pumptrk	9	No.	Cementor	Brandon																													
			Helper																														
Bulktrk	10	No.	Driver	DAVE																													
			Driver																														
Bulktrk	PU	No.	Driver	Rocky																													
			Driver																														
JOB SERVICES & REMARKS																																	
Pumptrk Charge	Surface			450.00																													
Mileage	21 @ 7.00			147.00																													
Footage																																	
			Total			597.00			Handling			158 @ 2.00 = 316.00																					
Remarks:									Mileage			300.00																					
Cement D.O. (Cement)									Pump Truck Charge			597.00																					
FLOAT EQUIPMENT																																	
Guide Shoe																																	
Centralizer																																	
Baskets																																	
AFU Inserts																																	
Rotating Head																																	
Squeeze Mainfold																																	
Tax												86.83																					
Discount												(446.00)																					
Total Charge												2614.83																					

Thank You  
*[Signature]*

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Tax 86.83  
Discount (446.00)  
Total Charge 2614.83

X  
Signature

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3613

Date	1/13/10	Sec.	Twp.	Range	County	State	On Location	Finish	
Lease	Mulheim	Well No.	B-10	Location					B Riggs Elm 1E 1/2 S 2W
Contractor	Super Oilwell Service			Owner					To Quality Oilwell Cementing, Inc.
Type Job	Port Collar			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	T.D.			Charge To					Downing - Nelson
Csg. Size	5 1/2"			Depth					
Tbg. Size	2 7/8"			Depth					
Tool	Depth			Street					
Cement Left in Csg.	Shoe Joint			City					State
Meas Line	Displace			The above was done to satisfaction and supervision of owner agent or contractor.					

### EQUIPMENT

Pumptrk	9	No.	Cementer	Paul	Amount Ordered	250 5x Q-MAC	155
			Helper		Common	155 @ 13.00	2154.50
Bulktrk	2	No.	Driver	Dave	Poz. Mix		
			Driver		Gel.	10 @ 17.00	136.00
Bulktrk	PV	No.	Driver	Doug	Calcium		
			Driver		Hulls		

### JOB SERVICES & REMARKS

Remarks:	Circulate Oil out of Hole	
	Test 5 1/2" 1000#	
	Mix 3 gel	
	Open Tool, Mix 3 gel to Circulate	
	Mix 155 5x	
	Close tool, Test to 1000#	
	Wash Clean	
	Flowseal	62 @ 2.00 = 124.00
	Handling	258 @ 2.00 = 516.00
	Mileage	420.00

### FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	

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Pumptrk Charge	Port Collar	550.00
Mileage	21 @ 7.00	147.00
Tax		112.03
Discount		(810.00)
Total Charge		3349.53

Thank You!!

X Signature Terry W. Peisher

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3588

Date	12/4/09	Sec.	15	Twp.	13	Range	21	County	Trego	State	KS	On Location		Finish	7:00 AM
Lease	Muhlheim "B"	Well No.	10		Location						Riga, 1E, 1/2 S, W into				
Contractor	Discovery Drilling Rig #3							Owner							
Type Job	Long String							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	7 7/8	T.D.	3950'		Charge To								Downing - Nelson Oil Co. Inc.		
Csg.	5 1/2" 14 #	Depth	3947.50'		Street										
Tbg. Size		Depth			City								State		
Tool	Port Collar	Depth	1543'		The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	18.82'	Shoe Joint	18.82'		CEMENT										
Meas Line		Displace	95.84 Bbls.												

**EQUIPMENT**

Pumptrk	9	No.	Cementor	Paul	Amount Ordered	150 sx Pro-C 10% salt 5% gilsonite	
			Helper		Common	150 @ 10.00	
Bulktrk	8	No.	Driver	Blake	Poz. Mix		
			Driver		Gel.		
Bulktrk	pu	No.	Driver	Rocky	Calcium		
			Driver		Handling		

**JOB SERVICES & REMARKS**

Remarks:	Pump 500 gal. Mud Clear	Halls	Gilsonite 700# @ 75¢/lb.
	Mix 30sx - Rathole	Salt	23 @ 12.50
	Mix 15sx - Mousehole	Flowseal	
	Mix 105sx - 5 1/2"		500gal Mud Clear - 48 400.00
	Displace		
	Land Plug		
	AFU - Held		

**5 1/2" FLOAT EQUIPMENT**

Guide Shoe	1	Float Shoe	275.00
Centralizer	7		315.00
Baskets	1		175.00
AFU Inserts			
	1	Port Collar	1500.00
	1	Rotating Head	50.00
	1	Latch Down Assembly	375.00
Pumptrk Charge		Prod String	800.00
Mileage	21 @ 7.00		

Thank You!!

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X Signature *John Guller*

Tax	
Discount	
Total Charge	