

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 Company Inc.
Address 1: PO 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: _____

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 #: _____

10/21/2010	10/27/2010	10/28/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 145-21,617-00-00
Spot Description: _____
NW SE SE SE Sec. 17 Twp. 20 S. R. 20 East West
530 Feet from North / South Line of Section
360 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Pawnee
Lease Name: Miller Well #: 1-17
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2153 Kelly Bushing: 2161
Total Depth: 4370 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1162 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 16,000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled free Fluids
Location of fluid disposal if hauled offsite:
Operator Name: Downing Nelson Oil Company Inc.
Lease Name: Chaddick License #: 30717
Quarter SE Sec. 31 Twp. 20 S. R. 20 East West
County: Pawnee Permit #: D-14,220

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.

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.

Signature: Michele M...
Title: Office Manager Date: 12-07-10

KCC Office Use ONLY RECEIVED

Letter of Confidentiality Received
Date: DEC 09 2010
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: 7+A Dg Date: 12/16/10

KCC WICHITA

Operator Name: Downing Nelson Oil Company Inc. Lease Name: Miller Well #: 1-17

Sec. 17 Twp. 20 S. R. 20 East West County: Pawnee

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Micro, Sonic, Dual Induction and Compensated Porosity	<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>1334'</td> <td>+834</td> </tr> <tr> <td>Base Anhydrite</td> <td>1362'</td> <td>+806</td> </tr> <tr> <td>Heebner</td> <td>3670'</td> <td>-1502</td> </tr> <tr> <td>LKC</td> <td>3718'</td> <td>-1550</td> </tr> <tr> <td>BKC</td> <td>4027'</td> <td>-1859</td> </tr> <tr> <td>Fort Scott</td> <td>4204'</td> <td>-2036</td> </tr> <tr> <td>Cherokee Shale</td> <td>4225'</td> <td>-2057</td> </tr> </tbody> </table>	Name	Top	Datum	Top Anhydrite	1334'	+834	Base Anhydrite	1362'	+806	Heebner	3670'	-1502	LKC	3718'	-1550	BKC	4027'	-1859	Fort Scott	4204'	-2036	Cherokee Shale	4225'	-2057
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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	23	1162	Common	450	2% Gel & 3% CC

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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 Bbbs.	Gas Mcf	Water Bbbs.	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 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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ALLIED CEMENTING CO., LLC. 036857

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

SERVICE POINT:
Great Bend KS

DATE <u>10-28-10</u>	SEC. <u>17</u>	TWP. <u>20S</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>1230</u>	JOB FINISH <u>100 PM</u>
LEASE <u>Miller</u>		WELL # <u>1-17</u>		LOCATION <u>Burdett South</u>		COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)				<u>west into</u>			

CONTRACTOR Discovery 4
 TYPE OF JOB Rotary Plus
 HOLE SIZE 7 7/8 T.D. 4370
 CASING SIZE _____ DEPTH _____
 TUBING SIZE 4 1/2 DEPTH 1300
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Downing + Nelson
 CEMENT
 AMOUNT ORDERED 220SB 60/40 4%
1/2 Flo Seal

COMMON	<u>132</u>	@ <u>13.50</u>	<u>1782.00</u>
POZMIX	<u>88</u>	@ <u>7.55</u>	<u>664.40</u>
GEL	<u>8</u>	@ <u>20.25</u>	<u>162.00</u>
CHLORIDE		@	
ASC		@	
	<u>Flaseal 55</u>	@ <u>2.45.00</u>	<u>134.75</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>220</u>	@ <u>2.25</u>	<u>495.00</u>
MILEAGE	<u>220 x 24 x 10</u>		<u>528.00</u>
TOTAL			<u>3.766.15</u>

EQUIPMENT

PUMP TRUCK CEMENTER Way-e-0
 # 224 HELPER Bill
 BULK TRUCK
 # 344 DRIVER Kevin - W
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

1st plug 1380 Mix 100SX mtr
2nd plug 330 mix 50SX
3rd plug 60 mix 20SX
Rat 30SX
Mouse hole 20SX
wash up Rig Down

CHARGE TO: Downing + Nelson
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 1300
 PUMP TRUCK CHARGE _____ 991.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 24 @ 7.00 168.00
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

RECEIVED

DEC 09 2010

TOTAL 1159.00

**KCC WICHITA
PLUG & FLOAT EQUIPMENT**

<u>1 wiper plus</u>	@ <u>40.00</u>	<u>40.00</u>
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or

ALLIED CEMENTING CO., LLC. 033925

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

SERVICE POINT:
Russell KS

DATE <u>10-23-10</u>	SEC. <u>17</u>	TWP. <u>20S</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 PM</u>	JOB FINISH <u>4:00 PM</u>
LEASE <u>Miller</u>		WELL # <u>1-17</u>	LOCATION <u>Alexander KS, 13S 14W</u>			COUNTY <u>Lawrence</u>	STATE <u>KANSAS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Discovery DRIG. Rig# 4
 TYPE OF JOB LONG SURFACE
 HOLE SIZE 12 1/4 T.D. 1162
 CASING SIZE 8 5/8 New DEPTH 1162
 TUBING SIZE 2 3/8 DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.75
 CEMENT LEFT IN CSG. 42.75
 PERFS.
 DISPLACEMENT 61 71.45 / BBL

OWNER
 CEMENT AMOUNT ORDERED 450sx Comm.
2900el
390cc

COMMON	<u>450</u>	@	<u>13.50</u>	<u>6075.00</u>
POZMIX		@		
GEL	<u>8</u>	@	<u>20.25</u>	<u>162.00</u>
CHLORIDE	<u>16</u>	@	<u>51.50</u>	<u>824.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>450</u>	@	<u>2.25</u>	<u>1,012.50</u>
MILEAGE	<u>10/sk/mile</u>			<u>900.00</u>
TOTAL				<u>8923.50</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Glen
 # 398 HELPER Richard
 BULK TRUCK
 # 423 DRIVER Rego
 BULK TRUCK
 # DRIVER

REMARKS:

Ran 27 New ITS of 23#
8 5/8 CSG - SET @ 1162,
Circulate Hole 15 minutes &
Cement w/ 450sx Comm 3+2, Release
plug, & displaced Rubber Plug to
955 & pressured up to 2000#.
Shut IN. RUBBER Plug @ 955
Pumped 6 BBL, Cement Did Circulate
TO SURFACE. THANK'S

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>20</u>	@	<u>7.00</u>	<u>140.00</u>
MANIFOLD RECEIVED		@		
		@		
		@		
DEC 09 2010				
TOTAL				<u>1131.00</u>

CHARGE TO: Dowling & Nelson Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Solid Rubber Plug</u>				<u>74.00</u>
<u>8 5/8 Baffle Plate</u>		@		<u>148.00</u>
		@		
		@		
		@		

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cement and labor.