

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: Ron Nelson
 Purchaser: Coffeyville Resources
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 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.: _____

<u>11/02/09</u>	<u>11/08/09</u>	<u>11/09/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22,632-00-00
 Spot Description: 150' N & 225' E of
NE NW SW Sec. 20 Twp. 14 S. R. 22 East West
2460 Feet from North / South Line of Section
1215 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Trego
 Lease Name: Heller-Schoenthaler Well #: 1-20
 Field Name: Cedar Bluff
 Producing Formation: Cherokee Sand
 Elevation: Ground: 2195' Kelly Bushing: 2203'
 Total Depth: 4265' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 212.44 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: 1632 Feet
 If Alternate II completion, cement circulated from: _____
 feet depth to: _____ w/ _____

Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit)
 Chloride content: 16,000 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.: _____

AKZ-Dlg-sx cm
2/12/11

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.

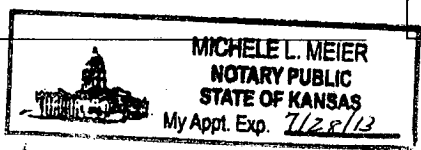
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]
 Title: Vice President Date: 02/08/10
 Subscribed and sworn to before me this 8 day of February,
 20 10.
 Notary Public: Michele 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

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Operator Name: Downing Nelson Oil Company, Inc. Lease Name: Heller-Schoenthaler Well #: 1-20
 Sec. 20 Twp. 14 S. R. 22 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: Micro, Sonic, Compensated Density/Neutron and Dual Induction	<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>1666'</td> <td>+583</td> </tr> <tr> <td>Base Anhydrite</td> <td>1707'</td> <td>+542</td> </tr> <tr> <td>Topeka</td> <td>3367'</td> <td>-1118</td> </tr> <tr> <td>Heebner</td> <td>3606'</td> <td>-1357</td> </tr> <tr> <td>Toronto</td> <td>3621'</td> <td>-1372</td> </tr> <tr> <td>LKC</td> <td>3641'</td> <td>-1392</td> </tr> <tr> <td>BKC</td> <td>3898'</td> <td>-1649</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	1666'	+583	Base Anhydrite	1707'	+542	Topeka	3367'	-1118	Heebner	3606'	-1357	Toronto	3621'	-1372	LKC	3641'	-1392	BKC	3898'	-1649
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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	212.44	Common	150	2% Gel & 3% CC
Production String	7 7/8	5 1/2	14	4264.65	EA/2	155	
			Port Collar @	1632'	SMD	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 (Amount and Kind of Material Used)	Depth
4	4170' - 4174'	150 gal. 7.5% INS Acid	4170' -4174'
4	4132' - 4136' & 4140' - 4143'	250 gal. 15% INS Acid	4132' - 4136' & 4140' - 4143'
4	4003' - 4018'	500 gal. 10% INS Acid	4132' - 4136' & 4140' - 4143'
		500 gal. 15% Mud Acid	4003' - 4018'
		3000 gal. 15% INS Acid	4003' - 4018'

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>4021.65'</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>44</u>	Gas Mcf <u>0</u>	Water Bbls. <u>20</u> Gas-Oil Ratio _____ Gravity <u>35</u>

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 Company
PO Box 372
Hays, KS 67601

API No. 195-22,632-00-00

Heller-Schoenthaler #1-20

20-14s-22w

Continuation of Tops

Name	Top	Datum
Marmaton	4001'	-1752
Cherokee Shale	4090'	-1841
Cherokee Sand "B"	4132'	-1883
Conglomerate Sand	4171'	-1922
Mississippi	4182'	-1933
Gilmore City	4233'	-1984

Continuation of Perforation

Continuation of Acid, Fracture, Shot, Cement Squeeze Record

Depth

Frac job 4003'-4018'

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ALLIED CEMENTING CO., LLC. 33639

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE <u>11-3-09</u>	SEC <u>20</u>	TWP <u>14</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30am</u>	JOB FINISH <u>10:00pm</u>
LEASE <u>Schoenthorpe</u>		WELL # <u>1-20</u>	LOCATION <u>OGallah 10S3W15S</u>			COUNTY <u>GreCo</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery 3

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. _____

CASING SIZE 8 5/8 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 12.6 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Bill

417 HELPER CRAIG

BULK TRUCK

410 DRIVER math

BULK TRUCK

_____ DRIVER _____

REMARKS:

Ran 5 jts of 8 5/8 set e

Cemt w/ 150 lbs Cemt.

pump plug w/ 12.6 bbls of water

Cement did Circ.

CHARGE TO: Downing-Nelson

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 lbs Cem 3-2

COMMON	<u>150</u>	@ <u>13.50</u>	<u>2025.00</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>6</u>	@ <u>51.50</u>	<u>309.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>150</u>	@ <u>2.25</u>	<u>337.50</u>
MILEAGE	<u>75 SK/mi</u>	@ <u>1.10</u>	<u>300.00</u>
TOTAL			<u>3052.00</u>

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>40</u>	@ <u>7.00</u>	<u>280.00</u>
MANIFOLD		@	
		@	
		@	

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TOTAL 1271.00

PLUG & FLOAT EQUIPMENT

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

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

SWIFT Services, Inc.

OWNER Downing & Nelson WELL NO. 1-20 LEASE Heller-Schoenthaler JOB TYPE Cement Port Collar TICKET NO. 17335

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							On Location 2 3/8 x 5 1/2 PC @ 1626' RBP-3105'
	1430		75	✓				Circulate Hole Clean
	1445				✓	1000		Pressure Test RBP-Held Pull to 1626'
	1545				✓	1000		Pressure Test-Held
	1550	3 1/4			✓	500		Open Tool Injection Rate
	1600	3 1/4			✓			Start Cement 11.2ppg
		4)	73	✓		400		Cement to Surface 150 sks Total 20 sks to Pit
			83	✓		400		Shut Down Cement-Start Displaceme
	1620		5.5	✓		200		Shut Down - Shut in
	1625					1000		Close Tool-Pressure Test-Held Run 6 Jts
	1635		20	✓				Reverse Clean
								Wash Truck
	1715							Job Complete
								Thank you Brett, Dave + Lane

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SWIFT Services, Inc.

DATE 11-9-09 PAGE NO. 1

Downing Nelson

WELL NO. 1-20

LEASE Hiller-Schroethaler Unit

JOB TYPE Coat Longstring

TICKET NO. 16798

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
<u>0600</u>							<u>On location w/ F.E. - Rig LDDP</u>
<u>0745</u>							<u>Start 5 1/2 14" #14 Csg to 4265'</u> <u>Insert Float Shoe w/ Auto-fill</u> <u>Latch Down Baffle - 5.5 15.7'</u> <u>Coat 1-3-6-7-9-11-62</u> <u>Coat Bskt #63</u> <u>P.C. (furnished) #63 collar @ 1632'</u> <u>Drop fill up ball 6 ft. out</u>
<u>0915</u>							<u>Fin run casing - Tag</u>
<u>0935</u>							<u>Start circ & Rotate casing</u>
<u>1015</u>							<u>Fin circ</u>
<u>1020</u>		<u>10</u>			<u>~</u>		<u>Plug RH 30sk Plug MH 20sk</u>
<u>1025</u>	<u>5</u>	<u>12</u>				<u>200</u>	<u>Pump 500 gal Mud flush</u>
	<u>6</u>	<u>20</u>				<u>300</u>	<u>Pump 20 BBI KCL flush</u>
	<u>5</u>					<u>200</u>	<u>Start 150 sks FA-2 coat @ 15.6'</u>
<u>1045</u>	<u>4</u>	<u>40</u>				<u>200</u>	<u>Fin coat. - Drop Plug</u>
						<u>100</u>	<u>Wash Pump & Lines</u>
<u>1050</u>	<u>8 1/2</u>					<u>300</u>	<u>Start H₂O Displ.</u>
	<u>7 1/2</u>	<u>60</u>				<u>250</u>	<u>Stop Rotating casing - slow rate</u>
	<u>6 1/2</u>	<u>75</u>				<u>200</u>	<u>slow rate</u>
	<u>6 1/2</u>	<u>80</u>				<u>400</u> <u>300</u>	<u>Caught coat press - slow rate</u>
<u>1105</u>	<u>5 1/2</u>	<u>109</u>				<u>550</u> <u>1500</u>	<u>Plug Down - Hold Release & Hold</u> <u>Job Complete</u> <u>Wrapup & Rigup</u>

Frank
Alan, Long & Associates

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