

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

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

ORIGINAL

OPERATOR: License # 30717  
Name: Downing Nelson Oil Co., 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: \_\_\_\_\_

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.: \_\_\_\_\_  
05/04/09      05/11/09      05/12/09  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 195-22,605-00-00  
Spot Description: 80' S & 80' E of  
W/2 E/2 SE Sec. 13 Twp. 12 S. R. 23  East  West  
1240 Feet from  North /  South Line of Section  
910 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: TREGO  
Lease Name: RIEDEL BROTHERS Well #: 1-13  
Field Name: WILDCAT  
Producing Formation: LKC  
Elevation: Ground: 2419' Kelly Bushing: 2427'  
Total Depth: 4195' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 215.60' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1822' Feet  
If Alternate II completion, cement circulated from: 1822'  
feet depth to: Surface w/ 200 sks - 20 sks to pit    sx cmt.

Drilling Fluid Management Plan AH II NCR 8-12-09  
*(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.: \_\_\_\_\_

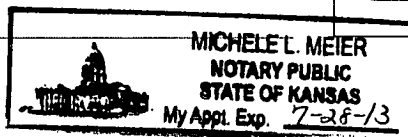
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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: 07/27/09  
Subscribed and sworn to before me this 27 day of July,  
09.  
Notary Public: [Signature]  
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



KANSAS CORPORATION COMMISSION

JUL 28 2009

RECEIVED

Operator Name: Downing Nelson Oil Co., Inc Lease Name: RIEDEL BROTHERS Well #: 1-13  
 Sec. 13s Twp. 12 S. R. 23  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 checked="" type="checkbox"/> Yes <input 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, Sonic, Dual Induction and Compensated Density</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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOP ANHYDRITE</td> <td>1849'</td> <td>+579</td> </tr> <tr> <td>BASE ANHYDRITE</td> <td>1890'</td> <td>+448</td> </tr> <tr> <td>TOPEKA</td> <td>3445'</td> <td>-1017</td> </tr> <tr> <td>HEEBNER</td> <td>3664'</td> <td>-1236</td> </tr> <tr> <td>TORONTO</td> <td>3682'</td> <td>-1254</td> </tr> <tr> <td>LKC</td> <td>3698'</td> <td>-1270</td> </tr> <tr> <td>BKC</td> <td>3947'</td> <td>-1519</td> </tr> </table>	Name	Top	Datum	TOP ANHYDRITE	1849'	+579	BASE ANHYDRITE	1890'	+448	TOPEKA	3445'	-1017	HEEBNER	3664'	-1236	TORONTO	3682'	-1254	LKC	3698'	-1270	BKC	3947'	-1519
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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	12 1/4"	8 5/8"	20#	215.60'	COMMON	150	2% Gel & 3% CC
Production St.	7 7/8"	5 1/2"	14#	4195	EA/2	150	
			* DV Tool @	1822'	SMDC	200	

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
4	3877' - 3882'	2250 GAL. OF 15% NE ACID	3877' - 3882'
4	3738' - 3740'	250 GAL. OF 15% MUD ACID	3738' - 3740'
4	3753' - 3757'	250 GAL. OF 15% MUD ACID	3753' - 3757'
4	3738' - 3740' - <i>dupl.</i>	250 GAL. OF 15% MUD ACID	3738' - 3740'

KCC  
my  
8/15/09

TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>4135.63</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First. Resumed Production, SWD or Enhr. <u>06/15/09</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>23</u>	Gas Mcf <u>0</u>	Water Bbls. <u>5</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 Company  
PO Box 372  
Hays, KS 67601

API No. 15-195-22,605-00-00

Riedel Brothers #1-13

13-12s-23w

**Continuation of Tops**

Name	Top	Datum
Marmaton	4042'	-1614
Arbuckle	4150'	-1722

KANSAS CORPORATION COMMISSION

JUL 28 2009

RECEIVED

# ALLIED CEMENTING CO., LLC. 036293

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

*Riechel Brothers*

SERVICE POINT:  
Russell KS

DATE <u>5-4-09</u>	SEC. <u>13</u>	TWP. <u>12</u>	RANGE <u>23</u>	CALLED OUT <u>800 AM</u>	ON LOCATION <u>1030 AM</u>	JOB START <u>10:45 AM</u>	JOB FINISH <u>11:15 AM</u>
LEASE <u>Riechel</u>	WELL # <u>1-13</u>	LOCATION <u>Agallah KS Hwy 70</u>			COUNTY <u>Yusso</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> (Circle one)			<u>4 west to 290 Ave Saw into</u>				

CONTRACTOR Discovery Rig 1 OWNER Downing Nelson

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 215

CASING SIZE 8 1/2 DEPTH 215

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 200 MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 12 3/4 BBHs fresh water

CEMENT

AMOUNT ORDERED 150 SX Common 890

CC 2% Gel

COMMON	<u>150 SX</u>	@ <u>13.50</u>	<u>2.025.00</u>
POZMIX	_____	@ _____	_____
GEL	<u>3</u>	@ <u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@ <u>51.50</u>	<u>257.50</u>
ASC	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
HANDLING	<u>158</u>	@ <u>225</u>	<u>355.50</u>
MILEAGE	<u>55 x 158 x .10</u>	_____	<u>869.00</u>
TOTAL			<u>3567.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Wayne Davis

# 366 HELPER Galien-D

BULK TRUCK

# 345 DRIVER Carl-S

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Pipe on bottom Break circulation  
Mix 150SX Common 2% cc 2% Gel  
and Displace 12 3/4 BBHs of fresh  
water. Cement Did Circulate  
wash up Rig Down

SERVICE

DEPTH OF JOB 215

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 55 @ 7.00 385.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: Downing Nelson

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

KANSAS CORPORATION COMMISSION

JUL 28 2009

TOTAL 1376.00

RECEIVED

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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

# SWIFT Services, Inc.

DATE: 5-11-09 PAGE NO. 1

WELL NO. 1-13 LEASE Reider Brathest JOB TYPE Comment Longstring TICKET NO. 15969

DATE	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD 4195'	DESCRIPTION OF OPERATION AND MATERIALS TP-4195'
				T	C	TUBING	CASING		
5/11	23:30					14 #/ft	5-1/2		On location w/ float equip - Rig LD/DC
5/12	00:15								DP- Down- Change over to run 5 1/2 casing
	01:00								Start casing & float equip
									Insert float shoe w/ Auto RLL
									D.V. Latch Down Baffle.
									Cent - 1-3-5-7-9-11-13-59
									Comment Basket #60
									D.V. on #60 - @ 1822'
									Drop RLL up Ball gets out
	02:15								Fin run casing
	02:25								Start cir casing
									Fin cir - Hook up for 1st stage
			12				250		Pump 500 gal mud flush
			20				250		Pump 20 BBI KCL flush
			36				250		Mix 150 SKS EA-2 unit @ 15.5 #/gal
							200		Fin out - Wash Pump & Lines
	03:15	9	60				350		Drop Skelton Plug - Start Displ. - 60 H <sub>2</sub> O
		7	82				450		2 <del>2</del> mud & 20 KCL flush
	03:30	6	102				650/1500		slow rate of load plug - Plug down
							0		Hold - Release & Hold.
									Drop D.V. Opening bomb.
			6						Plug RH-30SKS & with 15 SKS SMD
			4				1150		Open D.V.
							250		Fin flush - Start mixing <del>155</del> SK SMD
			100				100		Fin out. - Wash Pump & Lines
									Drop D.V. Closing Plug.
		5					200		Start Displ H <sub>2</sub> O (44 BBI)
		5	34				250		cut cir to Pit
	04:20		44				400/150		Plug down - Hold - Release & Hold
									Wash up & Rook up
	05:00								Job complete
									10 BBI = 20 SK to Pit

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*Therrell*  
Don, Blain & Scott