

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 Co., 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: Ron Nelson
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.: _____
07/09/09 07/15/09 07/16/09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 051-25,880-00-00
Spot Description: 180' North and 50' East of
N/2 - NE - NW Sec. 31 Twp. 13S S. R. 20 East West
150 Feet from North / South Line of Section
2030 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Kroeger-Luea Unit Well #: 1-31
Field Name: Wildcat
Producing Formation: Arbuckle
Elevation: Ground: 2272' Kelly Bushing: 2280'
Total Depth: 4027' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 219.54 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1602 Feet
If Alternate II completion, cement circulated from: 1602
feet depth to: Surface w/ 180sk _____ sx cmt.

Drilling Fluid Management Plan AH I NR 10-12-09
(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: **RECEIVED**
Operator Name: _____ **SEP 17 2009**
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. **KCC WICHITA** 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: 09/16/09
Subscribed and sworn to before me this 16th day of September,
20 09.
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

MICHELE L. MEIER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7/28/13

Operator Name: Downing Nelson Oil Co., Inc. Lease Name: Kroeger-Luea Unit Well #: 1-31
 Sec. 31 Twp. 13s S. R. 20 East West County: Ellis

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 <i>(Attach Additional Sheets)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Top Anhydrite | 1608' | +673 |
| Electric Log Run <i>(Submit Copy)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Base Anhydrite | 1652' | +628 |
| List All E. Logs Run: | | Topeka | 3294' | -1013 |
| Micro, Sonic, Dual Induction and Compensated Density Neutron | | Heebner | 3525' | -1244 |
| | | Toronto | 3543' | -1262 |
| | | LKC | 3562' | -1281 |
| | | BKC | 3806' | -1525 |

| 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 | 219.54 | Common | 150 | 2% Gel & 3% CC |
| Production St. | 7 7/8 | 5.5" | 14 | 4024.57 | EA/2 | 150 | |
| | | | DV Tool @ | 1602 | SMDC | 180 | |

| 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 | 3920' - 3924' | 100 gal. 15% Mud Acid | 3920'-3924' |
| 4 | 3911' - 3916' | 100 gal. 7.5% INS with FE and 3% Mutual Solvent | 3911'-3916' |
| 4 | 3920' - 3925' | 250 gal. 15% INS Acid | 3920' - 3925' |

| | | | | |
|--|---|------------------------|-----------------------|--|
| TUBING RECORD: | Size: <u>2 3/8"</u> | Set At: <u>3948.63</u> | Packer At: | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr. <u>08/20/09</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>10</u> | Gas Mcf <u>0</u> | Water Bbls. <u>10</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: _____ _____ |
|---|---|--|

ALLIED CEMENTING CO., LLC. 038445

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

| | | | | | | | |
|--|----------------|--------------------|-----------------|---------------------------------------|-------------|-------------------------|--------------------------|
| DATE <u>7-9-09</u> | SEC. <u>31</u> | TWP. <u>13</u> | RANGE <u>20</u> | CALLED OUT | ON LOCATION | JOB START <u>6:30pm</u> | JOB FINISH <u>7:00pm</u> |
| LEASEE <u>Kroeger</u> | | WELL # <u>1-31</u> | | LOCATION <u>Ellis 3s 1/2 w S Into</u> | | COUNTY <u>Ellis</u> | STATE <u>KS</u> |
| OLD OR <input checked="" type="radio"/> NEW (Circle one) | | | | | | | |

CONTRACTOR Discovery #3

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 220

CASING SIZE 8 5/8 20# DEPTH 219.54

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13 1/4 BC

EQUIPMENT _____

PUMP TRUCK CEMENTER Craig

407 HELPER Matt

BULK TRUCK _____

377 DRIVER Walt

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

Surface Job!

Cement Circulated!

Thanks!

CHARGE TO: Downing/Nelson

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 Com

3% oil

2% gel

| | | | | |
|----------|--------------------|---|--------------|---------------------|
| COMMON | <u>150</u> | @ | <u>13.50</u> | <u>2025.00</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>150</u> | @ | <u>2.25</u> | <u>337.50</u> |
| MILEAGE | <u>110/50/2.1c</u> | | | <u>300.00</u> |
| | | | | <u>TOTAL 2980.7</u> |

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 991.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 20 @ 7.00 140.00

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL 1,131.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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

CUSTOMER Deming & Nelson WELL NO. 1-31 LEASE Kroeger-Luca Unit JOB TYPE 2 stage TICKET NO. 16089

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 0500 | | | | | | | on loc w/ FE |
| | | | | | | | | RTD 4027' 5 1/2" x 15.5# X Cent. 1, 3, 5, 7, 9, 11 Basket D.V. Tool @ |
| | 0600 | | | | | | | start FE / Change out 5 1/2" csg |
| | 1115 | | | | | | | Restart FE |
| | 1340 | | | | | | | Break Circulation |
| | 1515 | 4 | 0 | | | 150 | | start Pre-flushes 500 gal Mud flush 20 bbl KCL flush |
| | 1523 | 5.5 | 32/0 | | | 200 | | start Cement 150 sks EA-2 |
| | 1530 | | 36 | | | | | End Cement wash P/L / Drop LD Plug |
| | 1534 | 6.5 | 0 | | | 150 | | start displacement w/ - |
| | 1545 | 5 | 60 | | | 200 | | Mud |
| | 1553 | | 95 | | | 600/1300 | | Land Plug Release Pressure / Hold |
| | 1555 | | | | | | | Drop Opening Plug |
| | 1600 | 2.5 | 7/4 | | | | | Plug R/H + MH 500 sks SMD |
| | 1607 | | | | | 1100 | | Open D.V. Tool |
| | 1609 | 4 | 0 | | | | | start KCL flush |
| | 1612 | 5.5 | 20/0 | | | | | start Cement 130 sks SMD |
| | 1637 | | 83 | | | | | End Cement Drop Closing Plug |
| | 1640 | 6.5 | 0 | | | 100 | | start Displacement |
| | 1643 | 5 | 22 | | | 200 | | Line Cement |
| | 1646 | | 36 | | | 400 | | Land Plug |
| | | | | | | 1500 | | Close D.V. Tool Release Pressure D.V. Closed |
| | | | | | | | | circ 30 sks to pit |
| | | | | | | | | Thank you |
| | | | | | | | | Nick, Josh F. + Dave Kuehn & Newgo |

RECEIVED
SEP 17 2009
KCC WICHITA

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

API No. 15-051-25,880-00-00

Kroeger-Luea Unit #1-31

31-13s-20w

Continuation of Tops

| Name | Top | Datum |
|----------------|-------|-------|
| Marmaton | 3864' | -1583 |
| Cherokee Shale | 3902' | -1621 |
| Arbuckle | 3920' | -1639 |

RECEIVED
SEP 17 2009
KCC WICHITA