

COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 051-24950 0000

County Ellis

N/2 - NW - SW Sec. 14 Twp. 13s Rge. 20 X

2310 Feet from (S)N (circle one) Line of Section

660 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (E)W (circle one)

Lease Name Calvert Well # 3-14

Field Name CALVERT

Producing Formation Lansing

Elevation: Ground 2154 KB 2162

Total Depth 3876 PBD

Amount of Surface Pipe Set and Cemented at 206.70 Ft.

Multiple Stage Cementing Collar Used? X Yes 1

If yes, show depth set 1494 Ft.

If Alternate II completion, cement circulated from 1494

feet depth to Surface w/ or cm

Drilling Fluid Management Plan PEA 1-22-97
(Data must be collected from the Reserve Pit)

Chloride content 17,000 ppm Fluid volume 3000 bbl

Dewatering method used Evaporation

Location of fluid disposal if hauled off site

Operator Name

Lease Name License No.

 Quarter Sec. Twp. Rge. E/W

County Docket No.

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Operator: License # 30717

Name: Downing-Nelson Oil Co., Inc.

Address P.O. Box 372

City/State/Zip Hays, Kansas 67601

Purchaser: Farmland

Operator Contact Person: Ron Nelson

Phone (913) 628-3449

Contractor: Name: Discovery Drilling, Inc.

License: 31548

Wellsite Geologist: Ron Nelson

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIGW Temp. Abd.

Gas EMHR SIGW

Dry Other (Core, W&W, Expl., Cathodic, etc)

If Workover/No-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj) Docket No.

12/21/96 1/7/97 1/8/97

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Ron Nelson

Title PRESIDENT Date 4-9-97

Subscribed and sworn to before me this 9 day of April 19 97.

Notary Public Gerald A. Werth

Date Commission Expires 11-23-98

| | | |
|-------------------------------------|-------------------------------------|--|
| K.C.C. OFFICE USE ONLY | | |
| F | <input type="checkbox"/> | Letter of Confidentiality Attached |
| C | <input checked="" type="checkbox"/> | Wireline Log Received |
| C | <input checked="" type="checkbox"/> | Geologist Report Received |
| Distribution | | |
| <input checked="" type="checkbox"/> | KCC | <input type="checkbox"/> SWD/Rep |
| <input type="checkbox"/> | KGS | <input type="checkbox"/> Plug |
| <input type="checkbox"/> | | <input checked="" type="checkbox"/> NSPA |
| | | <input type="checkbox"/> Other (Specify) |

NOTARY PUBLIC - State of Kansas
GERALYN A WERTH
My Appt. Exp. 11-23-98

Operator Name Downing-Nelson Oil Co., Inc. Lease Name Cart Well # 3-14

Sec. 14 Twp. 13S Rge. 20
 East
 West

County Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests of interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra if more space is needed. Attach copy of log.

| Drill Stem Tests Taken (Attach Additional Sheets.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Samp <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>ANHYDRITE</td> <td>1491</td> <td>+671</td> </tr> <tr> <td>BASE ANH.</td> <td>1538</td> <td>+624</td> </tr> <tr> <td>TOPEKA</td> <td>3198</td> <td>-1036</td> </tr> <tr> <td>HEEBNER</td> <td>3433</td> <td>-1271</td> </tr> <tr> <td>ORONTO</td> <td>3454</td> <td>-1292</td> </tr> <tr> <td>LKC</td> <td>3474</td> <td>-131.</td> </tr> <tr> <td>BKC</td> <td>3720</td> <td>-1558</td> </tr> <tr> <td>MARMATON</td> <td>3766</td> <td>-1604</td> </tr> <tr> <td>ARBUCKLE</td> <td>3862</td> <td>-1700</td> </tr> </tbody> </table> | Name | Top | Datum | ANHYDRITE | 1491 | +671 | BASE ANH. | 1538 | +624 | TOPEKA | 3198 | -1036 | HEEBNER | 3433 | -1271 | ORONTO | 3454 | -1292 | LKC | 3474 | -131. | BKC | 3720 | -1558 | MARMATON | 3766 | -1604 | ARBUCKLE | 3862 | -1700 |
|---|---|--|-------|-----|-------|-----------|------|------|-----------|------|------|--------|------|-------|---------|------|-------|--------|------|-------|-----|------|-------|-----|------|-------|----------|------|-------|----------|------|-------|
| Name | Top | | Datum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANHYDRITE | 1491 | | +671 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BASE ANH. | 1538 | | +624 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HEEBNER | 3433 | -1271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ORONTO | 3454 | -1292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LKC | 3474 | -131. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BKC | 3720 | -1558 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ARBUCKLE | 3862 | -1700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| List All E.Logs Run: | MERCURY WIRELINE RADIATION-GUARD: CASED HOLE: ACID SURVEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CASING RECORD <input type="checkbox"/> New <input checked="" 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 | 206.7 | 60/40Poz | 285 | 2%Gel&3%CC |
| Production St. | 7 7/8 | 4 1/2 | 10.5 | 3870 | ASC | 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 | 3508-12 | COMMON | 150 | none |
| <input type="checkbox"/> Plug Back ID | | | | |
| <input checked="" type="checkbox"/> Plug Off Zone | 3508-12 | COMMON | 200 | none |

| 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) | | |
|----------------|---|---------|---|------------|---------|
| | Top | Bottom | MA | NE | Other |
| 4 | 3508-12 | 3508-12 | 500MA | 1500NE | 3508 |
| 4 | 3604-11 | 3630-34 | 1500NE | | 3604-54 |
| 4 | 3509-15 | | 500 20%MA | 1000 28%NE | 3509 |
| 4 | 3228-31 | | 300 MA | | 3228 |

| | | | | | |
|--|--|---|---------|-------------|--|
| TUBING RECORD | | Size <u>3</u> | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First, Resumed Production, SMD or Inj. | | 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 Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio |
| | | | | | |

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

Computer Inventoried

COPY

CALVERT 3-14
DST RESULTS

15-051-24950

#1- 3784-3864 30-30-15-0
IFP 39-39 FFP 39-39 SIP354 HP 1966-1916 14-13-20
REC. 20'M

#2- 3660-3683 45-45-30-30
IFP 19-39 FFP 59-68 SIP 857-818 HP 1886-1816
REC. 135'MW

#3- 3494-3528 30-30-30-30 (BTM. PKR. FAILED)
IFP 78-196 FFP 216-265 SIP 837-837 HP 1826-1756

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