

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 5193
Name: Barnard Oil Operations
Address 1: 907 S. 3rd Madison, KS 66860
Address 2: PO Box 535
City: Madison State: KS Zip: 66860 + 8526
Contact Person: Dick Barnard
Phone: (620) 437-2131
CONTRACTOR: License # 30567
Name: Rig 6 Drilling Co. Inc.
Wellsite Geologist: William L. Jackson
Purchaser: Maclasley Oilfield Services

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Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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: N/A

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 #: _____

API No. 15 - 073-24165 -0000

Spot Description: _____
NW SE NW NE Sec. 22 Twp. 22 S. R. 11 East West

4,310 Feet from North / South Line of Section

1,920 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Greenwood

Lease Name: Garth-Hess Well #: 15

Field Name: Seely-Wick

Producing Formation: Bartlesville Sd.

Elevation: Ground: 1207 est. Kelly Bushing: GL

Total Depth: 2010' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 40 to surface Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 2002' to surface

feet depth to: 2002' w/ 160 sx cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: N/A ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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Spud Date or 10-2-11 Date Reached TD 10-6-11 Completion Date or _____
Recompletion Date _____ Recompletion Date 10-28-11 Recompletion Date _____

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.

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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: Richard R. Barnard

Title: owner Date: March 24, 2012

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Dog Date: 5/22/12

Operator Name: Barnard Oil Operations Lease Name: Garth-Hess Well #: 15
 Sec. 22 Twp. 22 S. R. 11 East West County: Greenwood

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, Submit Copy) | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|---|--|

List All E. Logs Run:
Gama Ray Neutron Log

| 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 |
| Long String Case Hole | 6 3/4" | 4 1/2" | 10.5 lb | 2002' | Portland A | 160 | S/5 Gel/Benonite |
| Surface String | 8 5/8" | 7" | unk. | 40' | Portland A | 20 | |
| | | | | | | | |

| 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 |
|----------------|---|---|--------------|
| 1 shot/1.5 ft. | 12 shots @ 1929' to 1950' | 10,000 lb sand frac | perforations |
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| | |
|---|--|
| TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>Above Perfs.</u> Packer At: _____ | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---|--|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR: <u>November 2011</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>5</u> Gas Mcf <u>0</u> Water Bbls. <u>300</u> Gas-Oil Ratio _____ Gravity <u>40</u> |

| | | |
|---|--|--|
| DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.) | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

RIG 6 DRILLING CO. INC

PO BOX # 227

R.K. 'BUD' SIFERS
620 365 6294

IOLA, KS
66749

JOHN BARKER
620 365 7806

COMPANY: Barnard Oil Operations
ADDRESS: P O Box 535
Madison, KS 66860

LEASE: Garth-Hess
COUNTY: Greenwood
LOCATION 4310'FSL/1920'FEL
22/22/11

COMMENCED: 10/4/2011
COMPLETED: 10/7/2011
WELL #: 15
API#: 15-073-24,165
STATUS: Oil Well
TOTAL DEPTH: 2010'-6 3/4"
CASING: 40'-8 5/8" cmt w/ 20 SX
2002'-4 1/2"
Consol. Cmt

*Rig 6 set +
cemented surface
pipe.*

DRILLER'S LOG

| | | | |
|------|----------------|---------|----------------|
| | | 1401 Ls | |
| 8 | SOIL AND CLAY | 1402 | Co |
| 10 | Sa | 1410 | Ls |
| 20 | Shale (SH) | 1412 | Co |
| 26 | Limestone (LS) | 1541 | Sh w/sa sh |
| 58 | SH | 1549 | LS |
| 60 | LS | 1632 | Sh w/ ls strks |
| 68 | Sh | 1639 | Ls |
| 82 | Ls w/ sh strks | 1635 | Sh |
| 215 | Sh w/ ls strks | 1660 | Ls |
| 222 | LS | 1662 | Sh blk |
| 225 | Sh (blk) | 1674 | Sh w/ ls strks |
| 346 | LS w/SH Brks | 1680 | Ls |
| 362 | SH | 1688 | Sh |
| 364 | LS | 1692 | Ls |
| 495 | Sh w/ ls strks | 1695 | Sh |
| 502 | Ls | 1708 | Ls |
| 601 | Sh w/ ls brks | 1784 | Sh |
| 607 | Sa | 1787 | Ls |
| 687 | Sh w/ ls strks | 1791 | Sh |
| 824 | Sh | 1796 | Ls |
| 826 | Ls | 1798 | Sh blk |
| 845 | Sh | 1814 | Sh w/ sa sh |
| 928 | Sa | 1856 | Sh |
| 940 | Sh | 1858 | Co |
| 975 | Sa w/ sh strks | 1922 | Sh w/ sa sh |
| 993 | Sh w/ ls strks | 1926 | Sh blk |
| 1116 | Ls w/ sh strks | 1930 | Shw/ sa sh |
| 1251 | Sh | 1946 | Sa good odor |
| 1332 | Ls | 1949 | sa sh lt odor |
| 1336 | Sh blk | 1969 | Sa |
| 1369 | Ls w/ shs trks | 2010 | Sh T.D. |
| 1372 | Co | | |
| 1374 | Ls w/ sa sh | | |
| 1393 | Ls | | |
| 1396 | Sh | | |

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RIG 6 DRILLING CO. INC

PO BOX # 227

R.K. 'BUD' SIFERS
620 365 6294

IOLA, KS
66749

JOHN BARKER
620 365 7806

INVOICE #: 30537
COMPANY: Barnard Oil Operations
ADDRESS: P O Box 535
Madison, KS

DATE: 10/8/2010
LEASE: Garth-Hess
COUNTY: GW
WELL: 15
API #: 15-073-24,165

ORDERED BY: Dick

| SERVICE | RATE | UNITS | |
|-----------------------|-------------------------|-------|-------------|
| Location Pit Charge | | 1 | N/A |
| Set Surface Csg. | | 1 | 250 |
| Cement Surface/W.O.C. | | 8 | N/C |
| Drilling Charge | \$11.00 Per Ft | 2010' | \$22,110.00 |
| Circulating | \$250.00 Per Hr | 1 | \$250.00 |
| Drill Stem Test | \$250.00 Per Hr | | N/C |
| Logging | \$250.00 Per Hr | | N/C |
| Core Samples | %500.00 Per Run | | N/C |
| Water Hauling | \$60.00 Per Hr | | N/C |
| Bit Charge (Lime W/O) | Cost + 10% | | N/C |
| Drill Stem Lost | \$28.00 Per Ft | | N/C |
| Trucking | \$40. per hr + \$1./ mi | | N/C |
| Roustabout | \$23.00 Per Man Hr | | N/C |
| Running Casing | \$250.00 Per Hr | 1 | \$250.00 |
| Rigging Up | \$250.00 Per Hr | 1 | N/C |
| Rigging Down | \$250.00 Per Hr | 1 | N/C |
| Other | | | |
| Fuel Assess. | | | |
| Move Rig | | | |
| Material Provided: | | | |
| Cement | \$8.00 Per Sx | | |
| Sample Bags | \$28.00 Per Box | | |

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KCC WICHITA \$120.00

TOTAL AMOUNT

\$22,730.00

REMIT TO: RIG 6 DRILLING, INC
PO BOX 227
IOLA, KS 66749

THANK YOU !!! WE APPRECIATE YOUR BUSINESS !!!

*Pd 10-24-2011
IDC*

Cement long string to surface



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 33272

LOCATION Eureka, KS

FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-073-24165

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|------------------------------------|------------|--------------------|-----------|----------|---------|--------|
| 10-7-11 | 1642 | Garth-Hess #15 | 22 | 22S | 11 E | G.W. |
| CUSTOMER Barnard Oil Operations | | | Rig 6 | | | |
| MAILING ADDRESS P.O. Box 535 | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| CITY Madison | | | 445 | Dave G | | |
| STATE KS | | | 452 / 113 | Alan m | | |
| ZIP CODE 66860 | | | 441 | Chris m | | |
| | | | 515 | Danny B | | |

JOB TYPE Long string oil HOLE SIZE 6 7/8" HOLE DEPTH _____ CASING SIZE & WEIGHT 4 1/2 @ 10.50 #
 CASING DEPTH 2002.55 G.L DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2-13.6 SLURRY VOL 43 light 20 T.S. WATER gal/sk 7.6 + 9.0 CEMENT LEFT in CASING 0
 DISPLACEMENT 32 Bbl DISPLACEMENT PSI 600 MIX PSI Bumped to 1000 RATE 5 Bpm

REMARKS: Rig up to 4 1/2 casing, Break circulation with 5 Bbl water, mixed 160 SKS 60/40 Pozmix cement with 6% gel + 1/4" phenoseal/sk @ 13.2# as our lead cement. Tailed in with 60 SKS Thickset cement with 5# Kol-seal per SK @ 13.6#/gal. Shut down wash out pump & lines & displace with 32 Bbl water, with a final pumping pressure of 600 psi, bumped plug to 1000 psi. Wait two minutes & release pressure. Plug held. Good circulation @ all times. Cement was just starting to thicken up as the plug landed. Annulus was slowly falling back. Job complete.

Thanks Shannon & crew #

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|-----------------|-------------------|------------------------------------|-------------|---------|
| 5401 | 1 | PUMP CHARGE | 975.00 | 975.00 |
| 5406 | 30 | MILEAGE | 4.00 | 120.00 |
| 1131 | 160 SKS | 60/40 Pozmix cement | 11.95 | 1912.00 |
| 1118 A | 826 # | Gel @ 6% | .20 | 165.20 |
| 1107 A | 40 # | PhenoSeal @ 1/4"/SK | 1.22 | 48.80 |
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| 1126 A | 60 SKS | Thick Set Cement | 18.30 | 1098.00 |
| 1110 A | 300 # | Kol-seal @ 5"/SK | .44 | 132.00 |
| 5407A | 10.18 Tons | Ton mileage bulk truck | 1.26/mile | 384.80 |
| 5501 C | 4 Hours | Water Transport | 112.00/Hour | 448.00 |
| 1123 | 5000 gallons | city water | 15.60/1000 | 78.00 |
| 4404 | 1 | 4 1/2 Top Rubber Plug | 45.00 | 45.00 |
| Sub total | | | | 5406.80 |
| SALES TAX 7.3% | | | | 253.97 |
| ESTIMATED TOTAL | | | | 5660.77 |

Revin 3737

244904

AUTHORIZATION Ron Poffenberger TITLE Driller DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.