

Kansas Corporation Commission Oil & Gas Conservation Division

1096635

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License # | API No. 15 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Name: | Spot Description: |
| Address 1: | Sec Twp S. R 🗌 East 🗌 West |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | □NE □NW □SE □SW |
| CONTRACTOR: License # | County: |
| Name: | Lease Name: Well #: |
| Wellsite Geologist: | Field Name: |
| Purchaser: | Producing Formation: |
| Designate Type of Completion: | Elevation: Ground: Kelly Bushing: |
| ☐ New Well ☐ Re-Entry ☐ Workover | Total Depth: Plug Back Total Depth: |
| ☐ Oil ☐ WSW ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW ☐ OG ☐ GSW ☐ Temp. Abd. ☐ CM (Coal Bed Methane) ☐ Cathodic ☐ Other (Core, Expl., etc.): | Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? |
| If Workover/Re-entry: Old Well Info as follows: | · |
| Operator: Well Name: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| Original Comp. Date: Original Total Depth: Conv. to ENHR | Chloride content: ppm Fluid volume: bbls Dewatering method used: |
| Plug Back: Plug Back Total Depth | Location of fluid disposal if hauled offsite: |
| Commingled Permit #: | Operator Name: |
| Dual Completion Permit #: | Lease Name: License #: |
| SWD Permit #: | Quarter Sec TwpS. R |
| ☐ ENHR Permit #: ☐ GSW Permit #: | County: Permit #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date | |

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.

Submitted Electronically

| 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: Date: |

Side Two



Operator Name: _ Lease Name: _ _ Well #: _ County: _ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)



M.O.K.A.T. DRILLING Office Phone: (620) 879-5377

Loc

Copie Since Mark

P.O. Box 590 Caney, KS 67333

| JOHN DENMAN OIL CO. | | VVeil No. | | Lease | | Loc | | * | Code Treat | Sec | c 34 Twp | νp. 34 | 34 Rge. |
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| | | No. | | | 4 | | About | | A STATE OF THE PARTY OF THE PAR | Tobout Cities in the Contract | | ************************************** | изыний применент |
| | | County | | State | | Type/Well | | Depth | Hours | Da | Date Started | Dai | Date Completed |
| | | CHAUTAUQUA | VUÒ | ~ | KS | | Ballith Notice Assess | 1566 | | | 8/13/12 | The latest design of the lates | 8/15/12 |
| Job No. | Casing Used | | | 81 | Bit Record | | | | | Coring | Coring Record | nianitationetis linguigen geologica | |
| and an analysis of the control of th | 44' 8 5/8" | 5/8" | Bit No. | Type | BIZO | From | То | BI No. | type | Size | From | То | % Rec |
| Driller | Cement Used | | | | | | | | | And the Control of th | | | ts deministra principal pr |
| TOOTIE | 8 | | | | 6 3/4" | | | | | | | | |
| Driller | Rig No. | | | | | | | | | | | | |
| Driller | Hammer No. | | | | | | | | The state of the s | greety stransminiscontrastication and | | | |
| | | | | | | | | | | | | | |

Formation Record

| | | | | | | H | | - | _ | SAND | 1160 | 1080 |
|-----------|---|------|---|-----------|-----------------|--------|--------------------------|------|------|--------------------|--------------|------|
| | + | + | | | | | 9 | | | SHALE | 1080 | 1030 |
| | + | | | | | | | | | SANDY SHALE/ SAND | 1030 | 980 |
| | + | + | - | | | | | | | SAND | 980 | 956 |
| | + | + | + | | | + | | | | COAL | 956 | 955 |
| | + | + | | | | | | | | SANDY SHALE/ SAND | 955 | 720 |
| | - | + | | | | | | | | SAND | 720 | 675 |
| | 1 | + | + | | | | | | | SHALE | 675 | 672 |
| | + | + | + | | | | | | | LIME | 672 | 664 |
| | | + | | | | 1 | | | | SANDY SHALE/ SAND | 664 | 525 |
| | | 1 | 1 | | | | | | | SAND | 525 | 490 |
| | + | + | | | | | T.D. 1566' | | | SHALE | 490 | 470 |
| | + | - | | | | 1 | | | | SAND/ SANDY SHALE | 470 | 415 |
| | + | + | | | | | | | | SANDY SHALE/ SAND | 415 | 397 |
| | + | 1 | | | | | SHALE | 1566 | 1540 | LIME | 397 | 396 |
| | | - | | | | | SANDY SHALE /SAND | 1540 | 1528 | SAND | 396 | 380 |
| | - | - | | | | | SAND | 1528 | 1508 | SHALE | 380 | 250 |
| | 1 | - | | | | | SHALE | 1508 | 1499 | SAND (WATER) | 250 | 210 |
| | - | - | | | | | LIME (PAWNEE) | 1499 | 1475 | SANDY SHALE/ SHALE | 210 | 190 |
| | - | + | | | | | SANDY SHALE | 1475 | 1410 | SAND | 190 | 183 |
| | 1 | - | | | | | SAND | 1410 | 1406 | SANDY SHALE | 183 | 125 |
| | - | - | | | | | SHALE | 1406 | 1402 | SAND | 125 | 107 |
| | + | + | + | | | | LIME (ALTAMONT) | 1402 | 1359 | SHALE | 107 | 93 |
| | | | | | | | SHALE | 1359 | 1328 | LIME | 93 | 90 |
| | | | | | | | SAND (WAYSIDE)(OIL ODOR) | 1328 | 1310 | SHALE | 90 | 82 |
| | 1 | + | | | | | SANDY SHALE | 1310 | 1305 | LIME | 82 | 55 |
| | | 1 | | | | + | SHALE | 1305 | 1298 | SHALE | 55 | 30 |
| | + | + | | | | | LIME | 1298 | 1289 | SANDY SHALE | 30 | -8 |
| | + | + | | | | | SHALE / LIME | 1289 | 1284 | LIME | -8 | 7 |
| | | - | | | | | SHALE | 1284 | 1180 | SAND | 7 | _ |
| 2000 | - | Т | | | | | SANDYSHALE | 1180 | 1160 | OVERBURDEN | - | 0 |
| Formation | 5 | From | 1 | Formation | m To | From | Formation | Jo | From | Formation | Jo | From |
| | | | | | O I I au Decord | מנוטוו | | | | | Aberteenment | |



CEMENT FIELD TICKET AND TREATMENT REPORT

| Denman Oil | State, County | Chautauqua , Kansas | Cement Type | CLASS | A |
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| Lona Strina | Section | | Excess (%) | 30 | |
| | TWP | | Density | 13.8 | |
| Keenan S 1 | RGE | | Water Required | | |
| | | | | 1.75 | Anna Articular and Articular a |
| | | 6.3/4 | | | |
| | | | | | |
| | | 4 1/2INCH | | | 22.4 |
| | | | | | |
| | | 1408 | | 700-150 | |
| | | | | | 200 |
| | Tubing | | | 4bpm | |
| | Quantity | Unit | | | |
| CEMENT PUMP (2 HOUR MAX) | 1 | 2 HRS MAX | | \$ | 1,030.00 |
| EQUIPMENT MILEAGE (ONE-WAY) | 55 | PER MILE | | | 220.00 |
| MIN. BULK DELIVERY (WITHIN 50 MILES) | 1 | PER LOAD | | - | 350.00 |
| | | 0 | | - | - |
| | | 0 | | | - |
| | | 0 | | | - |
| | | 0 | | - | |
| | | 0 | | \$ | - |
| FOOTAGE | 1,408 | | 0.22 | \$ | 309.76 |
| | | | EQUIPMENT TOTAL | \$ | 1,909.76 |
| Cement, Chemicals and Water | | | | | |
| | | 0 | \$19.20 | \$ | 2,880.00 |
| PHENOSEAL | 40 | 0 | \$1.29 | \$ | 51.60 |
| KOL SEAL (50 # SK) | 750 | 0 | \$0.46 | \$ | 345.00 |
| PREMIUM GEL/BENTONITE (50#) | 400 | 0 | \$0.21 | \$ | 84.00 |
| | | 0 | \$0.00 | \$ | |
| CITY WATER (PER 1000 GAL) | 6.700 | 0 | \$16.50 | \$ | 110.55 |
| | | 0 | \$0.00 | \$ | - |
| | | 0 | \$0.00 | \$ | - |
| | | 0 | \$0.00 | \$ | - |
| | | 0 | \$0.00 | \$ | - |
| | | 0 | \$0.00 | \$ | - |
| | | | CHEMICAL TOTAL | \$ | 3,471.15 |
| Water Transport | | | | | Order State of the |
| | 4 | PER HOUR | \$112.00 | \$ | 448.00 |
| | | | | | 224.00 |
| | | | | and the second second second | _ |
| | | | | - designation of the last of t | 672.00 |
| Coment Floating Equipment (TAYARI F) | | | 1 | - | Designation of the Control of the Co |
| | | | | | |
| Desiret | 1 | 1 0 | \$0.00 | 1 \$ | _ |
| Centralizer | | 1 0 | 00.00 | 1 4 | |
| | T | T | \$0.00 | 18 | - |
| | | | | | |
| Float Shoe | | <u> </u> | , 40.00 | 1 4 | |
| Tiod Orio | T | 1 0 | \$0.00 | 1 \$ | _ |
| Float Collars | | | 00.00 | 1 4 | |
| Trode Condition | T | 1 0 | \$0.00 | \$ | - |
| Guide Shoes | | 1 | J 40.00 | 1 Ψ | |
| | T | 1 0 | \$0.00 | \$ | - |
| Baffle and Flanner Plates | - | | φυ.σσ | ΙΨ | |
| I I I I I I I I I I I I I I I I I I I | | 0 | \$0.00 | 18 | - |
| Packer Shoes | | i i | ψ0.00 | i v | |
| | T | 0 | \$0.00 | T\$ | - |
| DV Tools | | | 40.00 | | |
| | | T | \$0.00 | S | _ |
| Ball Valves, Swedges, Clamps, Misc. | | | , 40.00 | | |
| | | Γ 0 | \$0.00 | T\$ | |
| | | | | | |
| | | | | - | - |
| Plugs and Ball Sealers | | | 1 40.00 | L | |
| | T . 1 | PER LIMIT | \$45.00 | \$ | 45.00 |
| | | 1 Livoini | ψ45.00 | 1 4 | 40.00 |
| | T | 0 | \$0.00 | T\$ | |
| I. | | | EQUIPMENT TOTAL | 18 | 45.00 |
| DRIVER NAME | | | SUB TOTAL | \$ | 6.097.91 |
| Kirk Sanders | | 8.30% | 6 SALES TAX | (\$ | 291.84 |
| Bryan Scullawl | | 444 | TOTAL | \$ | 6,389.75 |
| Jonathan Fullwood | l . | 109 | 6 (-DISCOUNT) | 11 \$ | 638.98 |
| | 7 | | | Department of the last | |
| Rob Darnall EARL'S | | DISC | COUNTED TOTAL | \$ | 5,750.78 |
| Company of the compan | Long String Keenan S 1 BARTLESVILLE Cement Pump Charges and Mileage CEMENT PUMP (2 HOUR MAX) EQUIPMENT MILEAGE (ONE-WAY) MIN. BULK DELIVERY (WITHIN 50 MILES) FOOTAGE Cement, Chemicals and Water THICK SET CEMENT (BLB OWC 4% GEL 2% CAL. CLORIDE PHENOSEAL KOL SEAL (50 # SK) PREMIUM GEL/BENTONITE (50#) CITY WATER (PER 1000 GAL) Water Transport WATER TRANSPORT (CEMENT) WATER TRANSPORT (CEMENT) WATER TRANSPORT (CEMENT) Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4' 1/2" RUBBER PLUG Downhole Tools DRIVER NAME | Long String Keenan S 1 RGE Formation Hole Size Hole Depth Casing Size Casing Size Casing Depth Drill Pipe BARTLESVILLE Tubing Cement Pump Charges and Mileage Quantity CEMENT PUMP (2 HOUR MAX) LEQUIPMENT MILEAGE (ONE-WAY) MIN. BULK DELIVERY (WITHIN 50 MILES) FOOTAGE 1,408 Cement, Chemicals and Water THICK SET CEMENT (8LB OWC 4% GEL 2% CAL. CLORIDE PHENOSEAL KOL SEAL (50 # SK) PREMIUM GELØRENTONITE (50#) A00 CITY WATER (PER 1000 GAL) WATER TRANSPORT (CEMENT) WATER TRANSPORT (CEMENT) Float Shoe Float Collars Float Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4* 1/2" RUBBER PLUG Downhole Tools DRIVER NAME | Long String Section TWP TWP Keenan S 1 RGE Formation Hole Size 6 3/4 Hole Depth Casing Depth 1408 Dmil Pipe Dmil Pipe Casing Depth 1408 Dmil Pipe Dmi | Long String | Long String |

FOREMAN

DATE



CEMENT FIELD TICKET AND TREATMENT REPORT

| Customer | Denman Oil | State, County | Chautauqua , Kansas | Cement Type | CLASS A |
|-------------------|--------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|
| Customer Acct # | Long String | Section | 0 | Excess (%) | 30 |
| Well No. | 0 | TWP | | Density | 13.8 |
| Mailing Address | Keenan S 1 | RGE MALO | 0 | Water Required | 0 |
| City & State | . 0 | Formation | | Yeild | 1.75 |
| Zip Code | 0 | Hole Size | 6 3/4 | Slurry Weight | 0 |
| Contact | 0 | Hole Depth | and the supplementary of the s | Slurry Volume | 0 |
| Email | 0 | Casing Size | 4 1/2INCH, | Displacement | 22.4 |
| Cell | 0 | Casing Depth | 1408 | Displacement PSI | 700-1500 |
| Office | 0 | Drill Pipe | | MIX PSI | 200 |
| Dispatch Location | BARTLESVILLE | Tubing | | Rate | 4bpm |

| Ran gel and LCM to establish circ., ran 150sx of Thick Set cement. Flushed pump and lines, dropped plug and displaced. Lost circulation half way through and |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| never returned. Landed plug @ 1900#. Shut in and washed up. |
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