

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1164576

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: | |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | Feet from Cast / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | |
| 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: |
| | Amount of Surface Pipe Set and Cemented at: Feet |
| Gas D&A ENHR SIGW | Multiple Stage Cementing Collar Used? Yes No |
| OG GSW Temp. Abd. | If yes, show depth set: Feet |
| CM (Coal Bed Methane) | If Alternate II completion, cement circulated from: |
| Cathodic Other (Core, Expl., etc.): | feet depth to: sx cmt |
| 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: | |
| Deepening Re-perf. Conv. to ENHR Conv. to SWD | 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 #: | Operator Name: |
| SWD Permit #: | Lease Name: License #: |
| ENHR Permit #: | Quarter Sec TwpS. R East West |
| 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 | 1164576 | | | | |
|--------------------------|-------------|---------|--|--|--|--|
| Operator Name: | Lease Name: | Well #: | | | | |
| Sec TwpS. R East West | 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 Wire-line Logs surveyed. Attach final geological well site report.

| Drill Stem Tests Taken (Attach Additional Sh | eets) | Yes No | | - | n (Top), Depth and | | Sample |
|---|----------------------|---|---------------------------|---------------------|--------------------|-----------------|-------------------------------|
| Samples Sent to Geolog | gical Survey | Yes No | Nam | 16 | | Тор | Datum |
| Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy) | Electronically | <pre>Yes □ No Yes □ No Yes □ No</pre> | | | | | |
| List All E. Logs Run: | | | | | | | |
| | | CASIN | G RECORD | ew Used | | | |
| | | Report all strings se | t-conductor, surface, int | ermediate, producti | on, 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 |
| | | | | | | | |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: —— Perforate | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|-----------------------------|---------------------|----------------|--------------|----------------------------|
| Protect Casing Plug Back TD | | | | |
| 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) D | | | Depth |
|--------------------------------------|---|------------------|------------|-----------------|---------|--------------------|---|------------------------------|----------------|---------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TUBING RECORD: | Siz | ze: | Set At: | | Packer | r At: | Liner R | un: | No | |
| Date of First, Resumed I | Product | ion, SWD or ENHF | λ . | Producing N | 1ethod: | ping | Gas Lift | Other (Explain) | | |
| Estimated Production Per 24 Hours | | Oil Bb | ls. | Gas | Mcf | Wate | ər | Bbls. | Gas-Oil Ratio | Gravity |
| | | | | | | | | | | |
| DISPOSITIC | ON OF C | BAS: | | | METHOD | OF COMPLE | TION: | | PRODUCTION INT | ERVAL: |
| Vented Sold | | Jsed on Lease | | Open Hole | Perf. | Dually (Submit) | Comp. ACO-5) | Commingled (Submit ACO-4) | | |
| (If vented, Sub | omit ACC |)-18.) | | Other (Specify) | | | | | | |

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

| Phone 785-483-2025 Cell 785-324-1041 | Head of the | | al and a | ox 32 Ru: | ssell, KS 6766 | 5 main | No. | 7986 |
|---|--|--|-------------------------|---|--|--|--|---|
| Sec. | Twp. | Range | | County | State | | On Location | Finish |
| Date 7.12.13 14 | 15 | 17 | FI | (C) | KS | | Constantine config Constantine configuration | 11:30A.m |
| 0 | | | Locati | onlite | 2 Abertal | 4/10 | 1/2/11/2 | Vinto |
| Losso I I Martine | 5 | Vell No. | Local | Owner | DOM TURA | Cono. | 1110071 | and the second of the second of the |
| Lease $1a_{11}$ | Table | Ven NO. | 1949 (j) | To Quality C | ilwell Cementing, | Inc, | NO CONSTRACTOR | |
| Contractor Keyal #1 | Sec. | | A . | You are here | eby requested to r id helper to assist | owner o | enting equipmen or contractor to d | t and furnish o work as listed. |
| Type Job Satace | T. / | 107 | . 15. 19. 14 | Charge | Plante & | | A second second | CLARKE STATIS |
| Hole Size 12/4 | T.D. /2 | 171 | | To C | ngo ter E | ucce) | K an a provide | |
| Csg. 8-18 | Depth | 1041 | · · · | Street | | | andra i serieta ar sente en serie | t and the second se |
| Tbg. Size | Depth | | | City | | and the second | ate | |
| Tool | Depth | 24092 (11) 11 11 11 11 11 11 11 11 11 11 11 11 | | | as done to satisfaction | on and su | ipervision of owne | agent or contractor |
| Cement Left in Csg. 25.62 | Shoe Jo | | 2 | Cement Am | ount Ordered 4 | Dien | 3ªbell + | Tobte . |
| Meas Line EQUIPA | Displace | 68 143 | 34 | The production of the | A Marine B | hat he is a | 5 | and the second second |
| No. Cementer | | an an e seacht Reiseann | i provinci | Common | nandi, di Orlog Thefoegan Ric | an the state of th | | |
| Pumptrk 1) No. Driver - 00 Y | 2 | | | Poz. Mix | | - 13 - 27 B | the second at o | and an over 11 |
| Bulktrk Driver No. Driver | | | | Gel. | 1.2.2. 1 | (ful) di ¹¹ Karlah (fu | Right Articles | |
| Bulktrk 19 Driver C1 | al | | | Calcium | | 9.999 - 11- | | AND 1993 (24) |
| JOB SERVICES | & REMA | RKS | 1. 19. 19. 10. | Hulls | States 1 1 1 1 1 | W. A. | <u>La constantia</u> | and the second |
| Remarks: | ial industry | Altrine S | | Salt | | | | |
| Rat Hole | Flowseal | All and A house | nije nive o | at the second | and the second | | | |
| Mouse Hole | 1. 1 ⁴⁷ (J. 197) | | | Kol-Seal | | | | |
| Centralizers | | | | Mud CLR 4 | 3 | halle - | on a substate | the second of the |
| Baskets | Ref. and | | | CFL-117 or | CD110 CAF 38 | | | |
| D/V or Port Collar | and the | and the second | j. Jekr | Sand | | | and a second | |
| 8 Sten bottom E | SA (| c det en | | Handling | and the second s | | an in station | |
| Mil Hone Della | Phi | ci | 31 | Mileage | Comments (1) | | | and the second second |
| and the section of the | | ت د | | | FLOAT EQU | IPMENT | | are more ender |
| Coment in A | a+0-) | 1 | | Guide Shoe | 23/8 | | | |
| Ohis To lak | 77 | A. | | Centralizer | Splan Min | en tret se | Start editor | nutrain di sector |
| p us ignore (e | and the second | fit and the second second | | Baskets | Elle Dat | 0 | the state of the second | 大学的"新教育"的AS |
| | 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | AFU Inserts | the first | And I m | | |
| | | | 1000 | Float Shoe | | | | 144-0 A 2019 |
| | - | | | | | 10.000 | | a second second |
| A CONTRACTOR OF THE REAL OF | et factor | | The state | Latch Down | | | | |
| | | | 107 1949 19 1 | | | | the state of the | The second |
| in the state of the | - | | | | | a se | and Branch and a | |
| | | | | Pumptrk Ch | Contractor Del Cartor de Carto | | - | |
| | grafin Anna San 1985 yang san | | Bright and | Mileage | | - Planter | Tax | |
| Constant of the first of the | the strong | and the second s | Service State | atan append | | wiedoji. | Discount | A TANK A TANKA |
| | | onie – Schäffer Tytel ogenetiere | | | a de la companya de la compa | | Total Charge | and the second second |
| Signature Mon B | | | Carlo Carlo Carlo Carlo | and the second se | | | | |

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

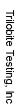
| Phone 785-483-2025 Cell 785-324-1041 | ald, proc | H ^{Describ} metern | ome Office | P.O. B | ox 32 Rus | sell, KS 67665 | o inon ent no mNo. Inform ort of ander | 7269 | | | |
|---|--------------------|--------------------------------|--|----------------------------|---|-------------------------|---|--|--|--|--|
| Date 7-22-13 | Sec. | Twp. | Range | EII | County | State K C | On Location | Finish | | | |
| | | 1.2 | | a functo a | IN MORE EVED I | | Print Person / Print | 12,00,00 | | | |
| no Ph | 101 | to star | the main of t | Locati | a tomatoi sol s | -:- 3 to ~ | hetolah Co | A Ka J 4W | | | |
| Lease Prov U | | do el tel | Well No. | 1 21 | Owner To Quality Oi | lwell Cementing, Inc | na il wel eldeoikaa | Indendi en problema Indenta vec of service | | | |
| Contractor Royal 7 | ALIO" to | m legal contra | univern i A Haraker | You are here | by requested to rem | t cementing equipmer | It and furnish | | | | |
| Type Job Plug | लीए सीच | A REAL PROVIDE | E O (| A Data Da | Charge | a helper to assist ov | 1 - | Heat He 2000 ISON II SUSSION AT | | | |
| Hole Size / g | with to an | | 3606 | and a million | To | laster Char | ter Energ | Y the second second | | | |
| Csg. | ioní ,eo | Depth | E TO LECOVEL S | bo entitie | Street | interest the prevailing | the term of this Co | TOWNS IN A | | | |
| Tbg. Size | TLIAIR | Depth | un alubardan da | | City | | State | Printing the solution | | | |
| Tool | NO WISS | Depth | NGT 1913-911-911-911-911-911-911-911-911-911 | | Ma Unapart un | | and supervision of owne | r agent or contractor. | | | |
| Cement Left in Csg. | a charge | Shoe Jo | | ba <mark>ed</mark> lig | Cement Amo | ount Ordered | 0 140 | 7 Flow | | | |
| Meas Line | EQUIP | Displac | encie mont bri modelit bluori | a bos and s | ble attempt to | All make a reasonal | WYTLIAUO BROBA | O DISMOT | | | |
| E No. Ceme | 0.92348 | | d baliqque od | the Seren | Common | 50 | to do so pricemento do | UDALL 1 TO BOOM DO THE DO THE DO | | | |
| Pumptrk 7 Helpe | | illy | nen 83.000 | 2110 has | Poz. Mix | 00 | to and paid by CLIST | hopporto od liw Y | | | |
| Bulktrk Driver | Cla | y ton | uned by GUA | offi deen | Gel. 9 | TOPENERSISTER STORES | OLE IL CHERANO MO IMOTZUO I Infratami | TARAFER9 | | | |
| Bulktrk U Driver | Dre | 2++ | ontract, a Geal | of this Cr | Calcium | | | | | | |
| JOB SE | RVICES | & REMA | RKS | ्रसंबद्धाः स्टिडी अस्टि | Hulls which early set to set the bage does do and theme | | | | | | |
| Remarks: | d teholy | able for in | shall not be like | YTLIAU | Salt | | | | | | |
| Rat Hole | mielo I | ana tem(a bria yrii | nandise. Custo and solatist a | he merci | Flowseal 6277 | | | | | | |
| Mouse Hole | 51.1.5 | | | and here. | Kol-Seal | | | | | | |
| Centralizers | ing Out | buloni ,no | st by any parac | h, brougi | Mud CLR 48 Material State Main vibod to the vibegorg (tepaced (A) | | | | | | |
| Baskets | arising f | damade | ervoir loss, or | aen ilen | CFL-117 or CD110 CAF 38 | | | | | | |
| D/V or Port Collar | dance v | locos dis | f merchandise | o gnideli | Sand doi ant to contempore 2'VTLIAUD day nother top of to an or | | | | | | |
| Ist 50 sx | Q | 3581 | 6 | | Handling 259 | | | | | | |
| 2nd 40 9x | @ | 1150 | And Party | | Mileage | | | | | | |
| 3nd 100 5x | Ø | 500 | <u></u> | | FLOAT EQUIPMENT | | | | | | |
| 4Fh 10sk | @ | 40 | conditions re | 10 | Guide Shoe | integeen power touts | vits emuses for any | A CLINE SUBJECT A | | | |
| nembow bos lebotem | ni stoch | ab mont a | he h to ha fe | | Centralizer | ar fluids. | etton of water or oth | caused by containts | | | |
| Rat 309x | intende | bas bobi | e manner prov | rti ni bec | Baskets | installed, and used | deriw echolas bris ec | u lannon tohou cir's | | | |
| Monsp 15 9x | | ion, for a | 1 o et le libe | | AFU Inserts ended a second belief and ended a loss are and belief | | | | | | |
| RO YTI, BATMAL OF A | (d) 8/ | 100 | AV YN DI | | Float Shoe | | | | | | |
| ABAB GEOMANNA AND A AND | leo (na Maitad | too lindo | Manie (bernen) Vote un kol ber | and we | Latch Down | PURPOSE, CUST | RETICULAR USE OF | ATNESS FOR ATS | | | |
| | | s or supp | stoubong ,alaha | tem evit | Wood | Play - 1 | abornent meneor or | o pt to tipget ent ed <u>seales incidental</u> | | | |
| vos to three set to ener | | | | | | | cally: | 100ge eioM S | | | |
| | | | 7 | | Pumptrk Cha | arge Alug | beer astrong | A During A (A) | | | |
| mation, or data fumished | te, infon | of any fac | r correctness c | curacy o | Mileage/5 | new are beut | his contract sharth | | | | |
| or its employees in the | TLIAUK | noe of C | Gross nogige | nena ne 10 haina | permont her permont infility e | | Tax Taxes or inclusion Tax | by OUALITY of an | | | |
| ect supervision and con- | nib erit | tebnu ed | lisrie YTLIAU | o yd ene | (C) Work de | | Discount | preparation or fund | | | |
| X Signature | BI | -dy | IN REALERAD | A 46 28 | notish the Jon | | Total Charge | ind of the CUSTON | | | |

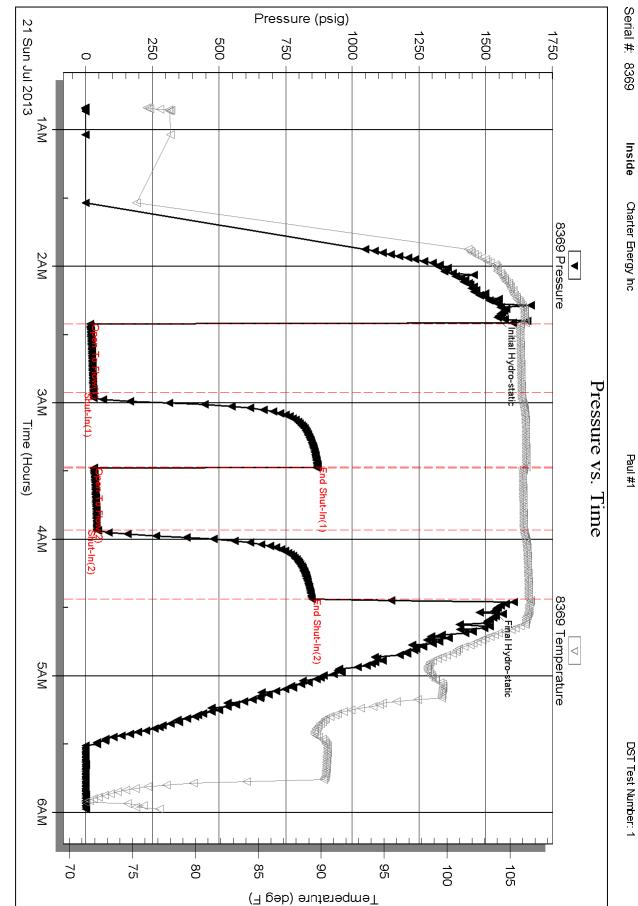
| | DRILL STEM TES | ST REP | ORT | | | | |
|--|------------------------|------------------------|--|----------------------------|---------------------------------------|---|-----------------|
| RILOBITE | Charter Energy Inc | | 14-1 | 5s-17w | Ellis | | |
| ESTING , INC | P O Box 252 | | Pau | ıl #1 | | | |
| | Great Bend Ks 67530 | | Job ⁻ | Ticket: 54 | 255 | DST#: | 1 |
| | ATTN: Steve Baise | | Test | Start: 20 | 13.07.21 @ | 2 00:50:15 | |
| GENERAL INFORMATION: | | | | | | | |
| Formation:LKCDeviated:NoWhipstock:Time Tool Opened:02:25:10Time Test Ended:05:58:24 | ft (KB) | | Test Test Unit | er: F | Convention Ray Schwa 70 | al Bottom Ho ager | le (Initial) |
| Interval:3271.00 ft (KB) To33Total Depth:3346.00 ft (KB) (TVHole Diameter:7.85 inches Hole | D) | | Refe | erence Ele KB to | vations: o GR/CF: | 1951.00 1946.00 5.00 | ft (CF) |
| Serial #: 8369InsidePress@RunDepth:41.62 psigStart Date:2013.07.21Start Time:00:50:15TEST COMMENT:30-IFP-w k bl thru | End Date: End Time: | 2013.07.21 05:58:24 | Capacity: Last Calib Time On E Time Off I | o.: Btm: 2 | | 8000.00 2013.07.21 @ 02:22:40 @ 04:31:40 | |
| 30-ISIP-no bl 30-FFP-surface b 30-FSIP-no bl Pressure vs. Ti | | | PR | FSSIR | E SUMN | | |
| 1750 | 8389 Temperature | Time | Pressure | Temp | Annotat | | |
| | Figure Hydro-state: | (Min.) 0 | (psig) 1543.83 | (deg F) 106.15 | Initial Hyd | ro-static | |
| 1200 | | 3 | 16.64 | 105.83 | Open To I | Flow (1) | |
| | | 33 | 29.22 871.08 | 105.94 106.32 | Shut-In(1) End Shut- | | |
| G 1000 | | 66 94 | 30.47 | 105.92 | Open To I | Flow (2) | |
| | | 94 124 129 | 41.62 847.65 1531.87 | 106.11 106.50 106.52 | Shut-In(2) End Shut- Final Hydr | ln(2) | |
| 1AM 2AM 3AM 21 Sun Jul 2013 Time (Hours) | айм байм байм | | | | | | |
| Recovery | | | | Gas | s Rates | | |
| Length (ft) Description | Volume (bbl) | | | Choke (ir | nches) Press | sure (psig) G | as Rate (Mcf/d) |
| 45.00 Mud | 0.63 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | DR | ILL STEM TEST REPO | RT | F | LUID SUMMARY |
|--|------------|---|---------------------------------|-----------------------------|----------------|
| RILOBITE | Charte | r Energy Inc | 14-15s-17v | wEllis | |
| TESTING , INC | | ox 252 Bend Ks 67530 | Paul #1 Job Ticket: { | 54255 | DST#:1 |
| | ATTN: | Steve Baise | Test Start: 2 | 2013.07.21 @ 00 | :50:15 |
| Mud and Cushion Information |) | | | | |
| Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:57.00 sec/qtWater Loss:8.56 in³Resistivity:ohm.mSalinity:4000.00 ppmFilter Cake:1.00 inches | | Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure: | ft bbl psig | Oil API: Water Salinity: | deg API ppm |
| Recovery Information | | | | | |
| | | Recovery Table | | 7 | |
| Le | ngth 't | Description | Volume bbl | | |
| | 45.00 | Mud | 0.63 | 1 | |
| Total Length: Num Fluid Sa | | 5.00 ft Total Volume: 0.631 l | bbl | | |
| Laboratory N Recovery Co | | Laboratory Location: | | | |
| | | | | | |

Printed: 2013.07.21 @ 06:32:55

Ref. No: 54255





Paul #1