

Kansas Corporation Commission Oil & Gas Conservation Division



Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

arer i Mi

| Operator: License # 33300 | API No. 15 - 085-20064-00-081-111-111-111-111-111-111-111-111- |
|---|--|
| Name: Evergreen Operating Corporation | County: Jackson |
| Address: 1401 17th Street, Suite 1200 | CSW_SE_Sec. 19 Twp. 6 S. R. 16 ▼ East West |
| City/State/Zip: Denver CO 80202 | 655 feet from S N (circle one) Line of Section |
| Purchaser: APR 1 2 2004 | 2115 feet from (E) W (circle one) Line of Section |
| Operator Contact Person: Tom Erwin | Footages Calculated from Nearest Outside Section Corner: |
| Phone: (_303) _298-8100 ext 1330 | (circle one) NE SE NW SW |
| Contractor: Name: Layne Christensen Company | Lease Name: Brock Well #: 34-19 |
| License: 32999 | Field Name: Forest City Coal Gas Area |
| Wellsite Geologist: Richard Robba, PG | Producing Formation: Cherokee Group |
| Designate Type of Completion: | Elevation: Ground: 1126 Kelly Bushing: 1126 |
| ✓ New Well Re-Entry Workover | Total Depth: 2290 Plug Back Total Depth: 2219 |
| OilSWDSIOWTemp. Abd. | Amount of Surface Pipe Set and Cemented at 217 Feet |
| ✓ GasENHR ✓ SIGW | Multiple Stage Cementing Collar Used? ☐ Yes ✓ No |
| Dry Other (Core, WSW, Expl., Cathodic, etc) | If yes, show depth setFeet |
| If Workover/Re-entry: Old Well Info as follows: | If Alternate II completion, cement circulated from 2290 |
| Operator: | feet depth to $\frac{220}{ACT}$ $\frac{W}{434}$ sx cmt. |
| Well Name: | |
| Original Comp. Date:Original Total Depth: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| Deepening Re-perf Conv. to Enhr./SWD | Chloride contentppm Fluid volume 500 bbls |
| Plug BackPlug Back Total Depth | Dewatering method used Vacuum pit and backfill |
| Commingled Docket No | Location of fluid disposal if hauled offsite: |
| Dual Completion Docket No | |
| Other (SWD or Enhr.?) Docket No | Operator Name: Evergreen Operating Corporation |
| 12/16/2003 1/09/2004 WOCU | Lease Name: Peckman Angus License No.: 33300 |
| Spud Date or Date Reached TD Completion Date or | Quarter NE Sec. 7 Twp. 18 S. R. 24 V East West |
| Recompletion Date Recompletion Date | County: Miami Docket No.: D28-279 |
| | |
| INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. | r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING |
| All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and correct to the best of my knowledge. | e the oil and gas industry have been fully complied with and the statements |
| Signature: Thomas M. Jum | KCC Office Use ONLY |
| Title: Senior Engineer Date: 4/7/2004 | Letter of Confidentiality Attached |
| - White Aland | If Denied, Yes Date: |
| Subscribed and sworn to before me thisday of | Wireline Log Received |
| 20 04. NOTAR | Geologist Report Received |
| Notary Public: Mari-Conn Existe | UIC Distribution |

Date Commission Expires:

 \times



APQ 1 met

CONFIDENTIA 34-19

| Operator Name: | ergreen Operating | Corpora | uon | | ع Name: ــــــ | | | Well #: | 13 | | | |
|--|--|---------------------------|-------------------------------------|-----------------------|--|--|--------------------|-----------------------|----------------------------|--|--|--|
| Sec. 19 Twp. 6 | S. R. <u>16</u> | ✓ East | West | Count | y: Jacks | on | | | | | | |
| tested, time tool ope temperature, fluid re | how important tops an n and closed, flowing covery, and flow rates s surveyed. Attach fir | and shut-i if gas to s | n pressures, v urface test, al | whether s ong with | hut-in pre | ssure reached | static level, hydr | ostatic pressur | es, bottom hole | | | |
| Drill Stem Tests Take | | Ye: | s 🗸 No | | ✓ Lo | og Formati | on (Top), Depth | and Datum | Sample | | | |
| Samples Sent to Ge | • | Ye: | s 🗸 No | | Name | e onerShale | | Тор 790 | Datum 336 | | | |
| Cores Taken | | ✓ Ye: | s No | | Lans | | | 981 | 145 | | | |
| Electric Log Run | | ✓ Ye | s 🗌 No | | | Shale | | 1255 | -129 | | | |
| (Submit Copy) | | | | | | nsas City | | 1307 | -181 | | | |
| List All E. Logs Run: | | | | | | nount | | 1409 | -283 | | | |
| DIL, CNL, CBL | | | | | Sum | | | 1496 | -370 | | | |
| Tebo Shale | 1719 | | -593 | | Excello | | | 1514 | -388 | | | |
| Mississippi | 2208 | - | -1082 | | | ale | | 1624 | -498 | | | |
| | | Report | CASING I | | Ne Surface, inte | w Used | tion, etc. | | | | | |
| Purpose of String | Size Hole Drilled | Size | Casing (In O.D.) | We | eight . / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent | | | |
| Surface | 12 1/4 | | 5/8 | LDG | 24 | 217 CI-C | | 109 | Additives 3% gypsum 2% ca | | | |
| Production | 7 7/8 | 5 1/2 | | 1 | 5.5 | 2274 | Vermejo | 434 | 2% cacl2, 1/4#/sx cell | | | |
| | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | ADDITIONAL | CEMENT | ING / SQL | JEEZE RECORI |) | | | | | |
| Purpose: Perforate | Depth Top Bottom | Туре | of Cement | #Sack | s Used | | Type and | and Percent Additives | | | | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | • | | | | | |
| | | | | | | | | | | | | |
| Shots Per Foot | | | D - Bridge Plug ach Interval Per | | e | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | | | | | | |
| | Will forward wher | n comple | tion comme | ences | | | | | | | | |
| | | | | | RECEIVED | | | | | | | |
| | | | | | ADD 4 2 2004 | | | | | | | |
| | | | | | | APR 1 2 2004 | | | | | | |
| | : | | | | KCC WICHITA | | | | | | | |
| TUBING RECORD | Packer | At | At Liner Run | | | | | | | | | |
| Date of First, Resume | rd Production, SWD or Er | ıhr. | Producing Meth | nod | Flowing | ı Dumpi | | | er (Explain) | | | |
| Estimated Production | Oil E | Gas | Mcf | Wate | | Bbls. | Gas-Oil Ratio | Gravity | | | | |
| Per 24 Hours | 0 | | 0 | | New Book Street, Stree | 0 | | | - | | | |
| Disposition of Gas | METHOD OF CO | OMPLETIO | N | | - | Production Inte | rval | | | | | |
| Vented Sold | Used on Lease ubmit ACO-18.) | [| Open Hole Other (Speci | Per | f. D | ually Comp. | Commingled | | 72 | | | |

| | | No. of the last of | | | | | | | | | | | | | E Me Marie | Marine Land | |
|---|-------------|--|---------|------------|--------------------|---------------------|-------------|--|--|----------------|-----------------|-----------------|-----------------|---|---------------|-------------|-------------|
| Customer CUNTULN IAL | | | | | Date F.R. # | | | | Service Supervisor | | | | | KUU | | | |
| E.O.C. Lease & Well Name – | | | | | 1/10/04 Location | | | | Ray Decker County – Parish – Block | | | | | | 700 | | |
| BROCK 34 – 19 | | | | | | 18S23ESEC20 | | | | JACKSON COUNTY | | | | | | | |
| District Drilling Contractor Rig # | | | | | | | Type of Job | | | | | | | | | | |
| LAYNE Size & Types of Plugs List – CSG - Ha | | | | | | ardware | 1 | 5 ½ Longstring Physical Slu | | | | | rry Prope | erties | | | |
| Тор | 5 ½ LAT | | | | | TRALIZERS | | | | Slurry Slur | | | Water | Pump | Std | | Std |
| | / BAFFLI | BAFFLE | | | | | | | WGT YI | | | | GPS | Time | | | Mix |
| Btm 1 GUIDE 9 | | | | | | SHOE | | | PPG | | Ft ³ | | | Hr:Min | V | | /ater |
| , | | 10.4.0146 | | | urnished | | | | 12.2 1.45 | | | | 0.70 | | | | |
| | | 34 SKS bs red | | nejo | | | | | 13.3 1.45 9.7 | | | 9.76 | | | - | | |
| | | . 100 100 | - u j u | | | | | | | | | | | | DIC | INI | Al |
| | | | | | | | | | | | | | | U | 110 | HV. | AL |
| | **** | | | | | · | | | | | | | | | | - | |
| Availa | abe mix flu | uid | | Bbl. | Availab | le Displ. Fl | uid I | 3bl. | | | | $\neg \dagger$ | To | tal | | | |
| <u> </u> | Hole | | | | | CSG-D.P. | T 5 - 41- | | | | G-CSC | | | | Collar Depths | | 3 |
| Size | % Excess | Dep | tH | Size | WGT | Туре | Depth | 51 | ze | wo | ול | Туре | Dept | h Shoe | | Float | |
| 8 1/4 | | 2290 | , | 5 ½ | 15.5.# | | 2290' | | | | | | | | | | |
| 0 1/4 | Last | Casing | | J /2 | | - Cmt Ret - | | Liner | | P | erf De | pth | To | p Conn | │ w | ell Flu | uid |
| Csg. | WGT | Туре | | epth 7' | | Brand & Type | | Dep | oth | То | р | Btm | Size | Thread | тур Н20 | е | WGT 8.33 |
| 8 5/8 | 24# | | 2.17 | | | | | | | | | | 5 1/2 | 8rd | 1120 | | 0.33 |
| | spl Vol – | Bbl | | | Cal Psi | Cal | OP M | | | Csg PSI Dis | | spl Fluid Water | | er | | | |
| 53 BB | L. | | | | | Max 1500 PSI Psi | | | PSI | | | | | | | | |
| TBG | CSG | CSG | T | otal | Bump Plug | | SQ | PSI | R | ated | ОР | Rate | OP | Туре | WGT | Soul | rce |
| | | | - | | ÷ | | | | | | | d | | H20 | 8.33 | Tanl | K |
| | | | | | | | 1500 | PSI | | | | | | | | | |
| Explai | nation: W | ELL DII | CIR | CULAT | E. DID B | UMP PLU | G AND F | LUG | HEL | D. C | EME | A TV | T SURF | ACE FEI | LL BAC | < | |
| Pracei | ure/Rate I |)etail | | | | | | Evnl | ana | tion | | | | | | | <u> </u> |
| Time | | ssure - | PSI | | Rate | Bbl Fluid | Fluid | | Explanation Safety Meeting: Crew x Co. Rep x | | | | | | | | |
| HR:M | in Pipe | e An | nulus | F | ЗР М | Pumped | Туре | Test | esting Lines Psi 2000 | | | | | | | | |
| 1030 1210 | | | | | | | 1 | | | ATIC | ON, ETING | : / DI/ | C LID | | | | |
| 1225 | 40 | | | 3.0 | | 10 | H20 | | | | //RED | | | | | , | |
| 1230 | 45 | | | 3.5 | | 112 | CMT | PUN | 1P 1 | 3.3 P | PG C | MT. | | | | | |
| 1310 1325 | 350 1500 | | | 3.5 | | 53 | H20 H20 | | PUMP H20 DISPLACEMENT BUMPED PLUG | | | | | | | | |
| 1325 | 1500 | | | | | | FI2U | BUIV | IPE | DPL | UG | | | | P-17 / P-1 | ~ | × |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | APR | 1 2 200 | 4 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | 15 BBLS DISPL. – 150 PSI | | | | | | | | | |
| | | | | | | | | 30 BBLS DISPL 200 PSI 45 BBLS DISPL 300 PSI | | | | | | | | | |
| | | - | | - | | | | 45 B | RE | SUIS | <u> </u> | 300 F | ⁷ SI | · · · · · · · · · · · · · · · · · · · | | | |
| Bumpe | | | t Float | | OLCMT | Total | PSI | Spo | | | | | | | | | |
| Plug | Bum Plug | | quip | 1 | eturns/ eversed | Bbl Pumped | Left On | 1 1 200 2000 | | | | | | | | | |
| - Y | 150 | <u> </u> | Υ | 2 | BBL | 175 BBL | CSG 0 | Y | | - | | | | | | | |
| | 1300 | | | 2 | DUL | 110 DDL | - | " | | Rav | Deck | er | | *************************************** | | | |
| · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | | | | |

Service Supervisor Date FR# Customer 12/17/0 Ray Decker E.O.C. 3 County - Parish - Block Lease & Well Name -Location JACKSON COUNTY **RANGE5TOWN716E** BROCK 34 - 19 CONFIDENTIAL Type of Job District Drilling Contractor Rig # LAYNE 8 5/8 SURFACE List – CSG - Hardware Physical Slurry Properties Size & Types of Plugs Slurry **3 CENTRALIZERS** Slurry Water Pump Std Тор Std WGT YLD **GPS** Time Slurry Mix 1 GUIDE SHOE Btm PPG Ft^3 Hr:Min Water Materials Furnished 109 SKS SURFACE SET 1.20 5.2 15.5 2 lbs red dye Bbl. Available Displ. Fluid Bbl. Total Availabe mix fluid TBG-CSG-D.P Hole TBG-CSG-D.P. Collar Depths Size % Excess DeptH Size WGT Type Depth Size WGT Туре Depth Shoe Float 220' 217' 11" 8 5/8 24# Pkr - Cmt Ret - Br PI - Liner Perf Depth Top Conn Well Fluid Last Casing Thread Csg. Туре Depth Brand & Type Depth Top Size Туре WGT H₂0 8.33 5 1/2 8rd Cal Displ Vol - Bbl Cal Psi Cal OP Max Max Tbg Max Csg PSI Displ Fluid Water PSI 12.85 BBL. Max 1000 PSI Psi TBG CSG CSG Total Bump Plug To Rev SQ PSI Rated OP Rate OP WGT Source d H2o 8.33 Tank 1000 PSI Explanation: WELL DID CIRCULATE. PUMPED 8 BBLS CMT. TO PIT. Pressure/Rate Detail Explanation Pressure - PSI Bbl Fluid Time Rate Fluid Safety Meeting: Crew Co. Rep x Pumped HR:Min Pipe Annulus **BPM** Type **Testing Lines** Psi 1000 2030 **CALLED OUT** 2130 ON LOCATION 0110 RIG UP 0125 PRIMED UP / MIX 10 BBLS CMT. @ 15.5 PPG 0135 35 3.0 H20 PUMP H20 AHEAD W/ RED DYE 10 70 23.25 0140 3.0 CMT PUMP CMT. @ 15.5 PPG 0150 70 3.0 12.85 H20 DISPLACE CMT. W/H20 40 SHUT IN WELL 0155 RECEIVED APR 1 2 2004 KOC WICHITA 5 BBLS DISPL. - 30 PSI 10 BBLS DISPL. - 50 PSI 12 BBLS DISPL.- 70 PSI PSI to Test Float Bbl CMT Bumped Total PSI Spot Plug Bump Returns/ Left Equip Bbl Top Serv. Supv. Plug Pumped Reversed Cement On CSG N/A N/A N 8 BBL 46.1 Y 40 **BBL** Ray Decker