

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

AUG 19 2003

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30129
Name: Eagle Creek Corporation
Address: 150 N. Main Suite 905
City/State/Zip: Wichita, Ks 67202
Purchaser: Duke Energy Field Services

Operator Contact Person: Dave Callewaert
Phone: (316) 264 8044

Contractor: Name: Abercrombie RTD, Inc
License: 30684

Wellsite Geologist: Dave Callewaert **KCC**

Designate Type of Completion:
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Add

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to Enhr./SWD

Plug Back Plug Back Total Depth

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Enhr.?) Docket No. _____

5/24/03 6/8/03 7/2/03

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 119-21107-0000

County: Meade

160'S W/2W/2 NE Sec. 17 Twp. 34 S. R. 29 East West

1480 1480 feet from S / (N) (circle one) Line of Section

2310 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW

Lease Name: Horace Well #: 3-17

Field Name: Adams Panch

Producing Formation: Morrow Sand

Elevation: Ground: 2526 Kelly Bushing: 2531

Total Depth: 6225 Plug Back Total Depth: 6178

Amount of Surface Pipe Set and Cemented at 1581 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

_____ feet depth to _____ w/ _____ sx cmt.

Drilling-Fluid Management Plan *AK1*

(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 4500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

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

County: _____ Docket No.: _____

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.

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: Dave Callewaert

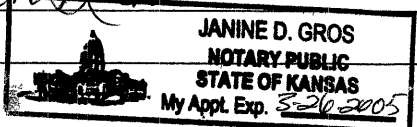
Title: President Date: 08/19/03

Subscribed and sworn to before me this 19th day of August, 2003,

2003

Notary Public: Janine D. Gros

Date Commission Expires: _____



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

✓

X

Operator Name: Eagle Creek Corporation Lease Name: Horace Well #: 3-17
 Sec. 17 Twp. 34 S. R. 29 East West County: Meade

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run: Dual Induction, Sonic, Compensated Density/Neutron PE log Cement Bond Log

| Name | Top | Datum |
|-----------------|------|-------|
| Wreford | 2962 | -431 |
| Base of Heebner | 4377 | -1846 |
| Marmaton | 5210 | -2679 |
| Novinger | 5286 | -2755 |
| Cherokee Sh. | 5400 | -2869 |
| Morrow Shale | 5770 | -3239 |
| Morrow Sand | 5823 | -3292 |
| Chester Ls | 5900 | -3369 |

| 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 | # Sacjs Used | Type and Percent Additives |
| Conductor | 24" | 20" | ? | 50 | Ready mix | 7 yards | none |
| Surface | 12.25" | 8.625" | 24#/Ft | 1581 | A-con blind common | 385 100 | 2%cc, 3/4# celloflake/sk |
| Production | 7.875" | 4.5" | 10.5#/Ft | 6215 | AA2 Prem. | 200 sk | cellflake, salt, gas, bloc FLA-322, gols. |

| 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 |
|----------------|---|---|-------|
| 4 shot/ft | 5824-5829 | Acidize w/500 gallons 7.5% MCA | |
| | | Frac w/ 50 sks sand | |
| | | | |
| | | | |

| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
|--|-----------|-----------|---|---|---------|
| Size | Set At | Packer At | | | |
| 2.375" | 5824 | none | | | |
| Date of First, Resumerd Production, SWD or Enhr. | | | Producing Method | | |
| 07-08-2003 | | | <input checked="" 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 | Gravity |
| | 1.5 | 950 | 1.5 | | 48 |

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

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

Production Interval: 5824-5829

AUG 19 2003

ORIGINAL

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CONSERVATION DIVISION
SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

Invoice

| | | | | | |
|---|--------------------|----------------|---------------------|-----------------------|-------------------|
| Bill to: EAGLE CREEK CORP 150 N. Main, Suite 905 Wichita, KS 67202 | 1999250 | Invoice | Invoice Date | Order | Order Date |
| | | 306031 | 6/17/03 | 6409 | 6/9/03 |
| Service Description | | | | | |
| Cement | | | | | |
| | | | Lease | Well | |
| | | | Horace | 3-17 | |
| AFE | CustomerRep | Tyenter | Well Type | Purchase Order | Terms |
| | G. Reed | K. Gordley | New Well | | Net 30 |

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| ID. | Description | UOM | Quantity | Unit Price | Price |
|------|--|-----|----------|------------|----------------|
| D105 | AA2 (PREMIUM) | SK | 200 | \$13.74 | \$2,748.00 (T) |
| D203 | 60/40 POZ (COMMON) | SK | 25 | \$7.84 | \$196.00 (T) |
| C194 | CELLFLAKE | LB | 50 | \$2.00 | \$100.00 (T) |
| C195 | FLA-322 | LB | 188 | \$7.50 | \$1,410.00 (T) |
| C221 | SALT (Fine) | GAL | 1251 | \$0.25 | \$312.75 (T) |
| C243 | DEFOAMER | LB | 47 | \$3.00 | \$141.00 (T) |
| C312 | GAS BLOCK | LB | 141 | \$5.00 | \$705.00 (T) |
| C321 | GILSONITE | LB | 1000 | \$0.60 | \$600.00 (T) |
| C304 | SUPER FLUSH II | GAL | 500 | \$1.85 | \$925.00 (T) |
| F100 | TURBOLIZER, 4 1/2" | EA | 7 | \$67.00 | \$469.00 (T) |
| F170 | LATCH DOWN PLUG & BAFFLE, 4 1/2" | EA | 1 | \$230.00 | \$230.00 (T) |
| F210 | AUTO FILL FLOAT SHOE, 4 1/2" | EA | 1 | \$250.00 | \$250.00 (T) |
| F292 | CEMENT SCRATCHERS ROTATING TYPE | EA | 10 | \$44.00 | \$440.00 (T) |
| E107 | CEMENT SERVICE CHARGE | SK | 225 | \$1.50 | \$337.50 |
| E100 | HEAVY VEHICLE MILEAGE - 1 WAY | MI | 40 | \$3.25 | \$130.00 |
| E104 | PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN | TM | 420 | \$1.30 | \$546.00 |
| R313 | CEMENT PUMPER, 6001-6500' 1ST 4 HRS ON LOC | EA | 1 | \$2,247.00 | \$2,247.00 |
| R701 | CEMENT HEAD RENTAL | EA | 1 | \$250.00 | \$250.00 |
| R702 | CASING SWIVEL RENTAL | EA | 1 | \$125.00 | \$125.00 |

Sub Total: \$12,162.25

Discount: \$3,714.47

Discount Sub Total: \$8,447.78

Tax Rate: 6.30% **Taxes:** \$373.12

(T) Taxable Item **Total:** \$8,820.90

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

CONFIDENTIAL

ORIGINAL



| |
|-------------|
| INVOICE NO. |
| Date 6-9-03 |
| Customer ID |

| | | |
|-----------------------|-------------|-------------------|
| Subject to Correction | | |
| Lease HORACE | Well # 3-17 | Legal 17-34-29 |
| County METAKE | State KS. | Station PRATT Ks. |

FIELD ORDER

6409

CHARGE

| | | | | | |
|-------------------|--|-----------------------------------|--------------------|--------------------|----------------------|
| EAGLE CREEK CORP. | | Depth | Formation | Shoe Joint 19.23' | |
| KCC | | Casing 4 1/2 | Casing Depth 6215' | TD 6225' | Job Type CONCRETE-NU |
| AUG 19 2003 | | Customer Representative GRAY REED | | Treater K. GORDLEY | |

AFE Number

PO Number

CONFIDENTIAL

Materials Received by

x Gray Reed

| Product Code | QUANTITY | MATERIAL, EQUIPMENT and SERVICES USED | UNIT PRICE | AMOUNT | ACCOUNTING | |
|--------------|----------|---------------------------------------|-------------|---------|------------|--------|
| | | | | | CORRECTION | AMOUNT |
| D105 | 200SK. | AAZ Premium Cement | ✓ | | | |
| D203 | 25SK. | 60/40 FOR CEMENT | ✓ | | | |
| C194 | 50 LB. | CELL FLAKE | ✓ | | | |
| C195 | 188 LB. | FLA-322 | ✓ | | | |
| C221 | 1051 LB. | SALT | ✓ | | | |
| C243 | 47 LB. | DEFORMER | ✓ | | | |
| C312 | 141 LB. | GAS BOOK | ✓ | | | |
| C321 | 1000 LB. | GIBSONITE | ✓ | | | |
| C304 | 500 gal. | SUPERFLUSH TB | ✓ | | | |
| F100 | 7 EA. | 4 1/2 TURBULIZER | ✓ | | | |
| F170 | 1 EA. | 4 1/2 LATCH DOWN PUL & BAFFLE | ✓ | | | |
| F210 | 1 EA. | 4 1/2 AFU FLOW SHOE | ✓ | | | |
| F292 | 10 EA. | ROTATING SCRATCHER | ✓ | | | |
| C221 | 200 LB. | SALT (Liberal) | ✓ | | | |
| E107 | 225 SK. | CEMENT SERVICE CHARGE | | | | |
| E100 | 40 mile | UNITS | MILES | | | |
| E104 | 470 TM | TONS | MILES | | | |
| R213 | 1 EA. | EA. 6215' | PUMP CHARGE | | | |
| R701 | 1 EA. | CEMENT HEAVY RENTAL | | | | |
| R702 | 1 EA. | CASING SUBMER RENTAL | | | | |
| | | PRICE | 2 | 8447.78 | | |

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WICHITA, KS

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TOTAL

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ORIGINAL

KCC

TREATMENT REPORT



AUG 19 2003

CONFIDENTIAL

| | |
|-------------------------------------|--------------------------------------|
| Customer ID | Date |
| Customer EAGLE CREEK CORP | 6-9-03 |
| Lease HORACE | Lease No. |
| | Well # 3-17 |
| Field Order # 62109 | Station PRATT, KS |
| Casing 4 1/2 | Depth 6215' |
| County MEADE | State KS |
| Type Job LONGSTRAWG - NW | Formation TD-6225 |
| | Legal Description 17-34-29 |

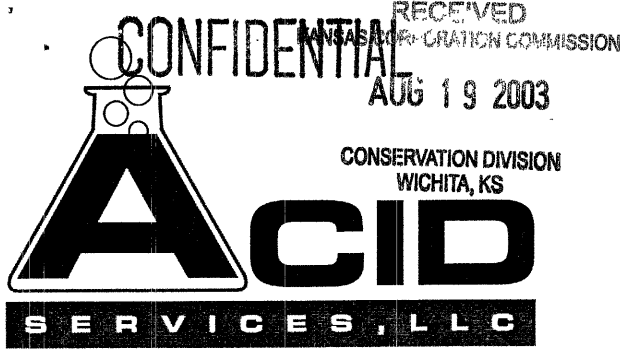
| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | |
|-----------------------------|--------------|-------------------------------|----|---|--------------|------------------|--|
| Casing Size 4 1/2 | Tubing Size | Shots/Ft 15 #19 1/2 | | 200 SK. AA2 CEMENT | RATE - PRESS | ISIP | |
| Depth 6215 | Depth | From 1.44 | | 10% SALT 5 #1/8K GIBSONITE | | 5 Min. | |
| Volume 98.5 | Volume | From 6.0 | | 1/4 #1/8K CELLFAC 1% FUA-322 | | 10 Min. | |
| Max Press | Max Press | From | To | .75% GMS BLOC | | 15 Min. | |
| Well Connection | Annulus Vol. | From | To | | AHP Used | Annulus Pressure | |
| Plug Depth 6196' | Packer Depth | From | To | Flush | Gas Volume | Total Load | |

| | | |
|---|--------------------------------|----------------------------|
| Customer Representative CHAD REED | Station Manager ALAN | Treater COVDELEY |
| Service Units 107 26 44 26 | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | RECEIVED CORPORATION COMMISSION AUG 19 2003 CONSERVATION DIVISION WICHITA, KS | Service Log |
|------|-----------------|-----------------|--------------|---|--|
| 1300 | | | | | ON LOCATION |
| 1630 | | | | | RUN 6215' 4 1/2 CASING |
| | | | | | RUN AFU FROM SIDE, L.D. BAFFLE |
| | | | | | IN 1ST COLUMN. CONT. - 1-3-5-7- |
| | | | | | 9-11-13-15 SCRATCHER - #9 - #10 |
| | | | | | DECIDE TO RUN SALT FLUSH |
| | | | | | TRAG BOTTOM - DROP BALL - BREAK CIRC. |
| | | | | | BEFORE CEMENT TO BREAK VISC |
| 2100 | 400 | | 20 | 6 * | PUMP 20 bbl SALT FLUSH |
| | 400 | | 5 | 6 | PUMP 5 bbl H2O SPACER |
| | 300 | | 12 | 6 | PUMP 12 bbl SUPERFLUSH |
| | 300 | | 5 | 6 | PUMP 5 bbl H2O SPACER |
| | 200 | | 51 | 6 | MIX CEMENT - 200 SK. AA2 |
| | | | | | 10% SALT, 5 #1/8K GIBSONITE, 1/4 #1/8K |
| | | | | | CELLFAC, 1% FUA-322, 3/4% GMS BLOC |
| | | | | | STOP - WAIT LINE - DROP PLUG |
| | 0 | | 0 | 7 | START DISP |
| | 300 | | 76 | 7 | LIFT CEMENT |
| | 200 | | 88 | 4 | SLOW RATE & STOP ROTATE |
| 2145 | 2000 | | 98.5 | 4 | PLUG DOWN - RELEASE - HOLD |
| | | | | | PLUG RT & WAIT 25 MIN. 60/60 PPS |

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

2200 JOB COMPLETES White - Accounting • Canary - Customer • Pink - Field Office THANKS - HOLD



ORIGINAL COPY

SALES OFFICE:
 100 S. Main
 Suite #607
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5799 FAX

SALES & SERVICE OFFICE:
 10244 NE Hiway 61
 P.O. Box 8613
 Pratt, KS 67124-8613
 (316) 672-1201
 (316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

Invoice

| | | | | | | | |
|---|--------------------|----------------|------------------------------------|----------------------------|-----------------------|--------------|-------------------|
| Bill to: | | | 1999250 | Invoice | Invoice Date | Order | Order Date |
| EAGLE CREEK CORP 150 N. Main, Suite 905 Wichita, KS 67202 | | | KCC AUG 19 2003 CONFIDENTIAL | 305114 | 5/31/03 | 6522 | 5/25/03 |
| | | | | Service Description | | | |
| | | | | Cement | | | |
| | | | | Lease | | Well | |
| | | | | Horace | | 3-17 | |
| AFE | CustomerRep | Treater | | Well Type | Purchase Order | Terms | |
| | S. Craig | S. Frederick | | New Well | | Net 30 | |

| <u>ID.</u> | <u>Description</u> | <u>UOM</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Price</u> |
|------------|--|------------|-----------------|-------------------|----------------|
| D200 | COMMON | SK | 100 | \$10.39 | \$1,039.00 (T) |
| D201 | A-CON BLEND (COMMON) | SK | 385 | \$13.08 | \$5,035.80 (T) |
| C310 | CALCIUM CHLORIDE | LBS | 1287 | \$0.75 | \$965.25 (T) |
| C194 | CELLFLAKE | LB | 108 | \$2.00 | \$216.00 (T) |
| F145 | TOP RUBBER CEMENT PLUG, 8 5/8" | EA | 1 | \$145.00 | \$145.00 (T) |
| F233 | FLAPPER TYPE INSERT FLOAT VALVES, 8 5/8" | EA | 1 | \$265.00 | \$265.00 (T) |
| F800 | THREADLOCK COMPOUND KIT | EA | 1 | \$30.00 | \$30.00 (T) |
| F113 | CENTRALIZER 8 5/8" X 12 1/4" | EA | 1 | \$101.00 | \$101.00 (T) |
| F123 | BASKET, 8 5/8" | EA | 1 | \$290.00 | \$290.00 (T) |
| E107 | CEMENT SERVICE CHARGE | SK | 485 | \$1.50 | \$727.50 |
| R701 | CEMENT HEAD RENTAL | EA | 1 | \$250.00 | \$250.00 |
| E100 | HEAVY VEHICLE MILEAGE - 1 WAY | MI | 40 | \$3.25 | \$130.00 |
| E104 | PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN | TM | 912 | \$1.30 | \$1,185.60 |
| R204 | CASING CEMENT PUMPER, 1501-2000' 1ST 4 HRS ON LOC | EA | 1 | \$1,376.00 | \$1,376.00 |

| | |
|----------------------------|--|
| Sub Total: | \$11,756.15 |
| Discount: | \$3,526.84 |
| Discount Sub Total: | \$8,229.31 |
| Tax Rate: 6.30% | Taxes: \$356.64 |
| (T) Taxable Item | Total: \$8,585.95 |

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

CONFIDENTIAL

KCC

ORIGINAL

AUG 19 2003



| |
|-----------------|
| INVOICE NO. |
| Date 5-25-03 |
| Customer ID |

Subject to Correction

FIELD ORDER

6522

CONFIDENTIAL

CHARGE

| | | |
|---|----------------------------|---------------------------|
| Lease HOIRACE | Well # 3-17 | Legal 17-345-29W |
| County MEADE | State KS | Station LIBERAL |
| Depth 1581 | Formation | Shoe Joint 44 |
| Casing 8 5/8 | Casing Depth 1581 | TD 1584 |
| Customer Representative STEVEN CRAIG | Treater Shawn FREDERICK | Job Type 8 5/8 Surface |

SAGLE CREEK CORP

AFE Number

PO Number

Materials Received by

X Steven Craig

| Product Code | QUANTITY | MATERIAL, EQUIPMENT and SERVICES USED | UNIT PRICE | AMOUNT | ACCOUNTING | |
|--------------------------|----------|---------------------------------------|------------|--------|------------|---------|
| | | | | | CORRECTION | AMOUNT |
| D200 | 100.54 | Common LIB | | ✓ | | |
| D201 | 385.5K | A-CON BLEND PRATT | | ✓ | | |
| C310 | 128716 | CALCIUM CHLORIDE PRATT LIB | | ✓ | | |
| C194 | 10816 | CELL PLATE PRATT LIB | | ✓ | | |
| F145 | 1ea | TOP RUBBER PLUG 8 5/8 | | ✓ | | |
| F233 | 1ea | FLAPPER INSERT 8 5/8 | | ✓ | | |
| F800 | 1ea | THREAD LOCK | | ✓ | | |
| F113 | 1ea | CENTRALIZER 8 5/8 | | ✓ | | |
| F123 | 1ea | BASKET 8 5/8 | | ✓ | | |
| E107 | 485.5K | CMT Service Charge | | | | |
| R701 | 1ea | CMT HEAD RENTAL | | | | |
| E100 | 40 mi | UNITS 1 MILES 40 | | | | |
| E104 | 912 Tm | TONS 21.5 MILES 40 | | | | |
| R204 | 1ea | EA. 4 hrs PUMP CHARGE | | | | |
| Discarded TOTAL PLUS TAX | | | | | | 8229.31 |

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WICHITA, KS

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383 TOTAL

CONFIDENTIAL

ORIGINAL

TREATMENT REPORT



KCC

AUG 19 2003

CONFIDENTIAL

| | | | |
|------------------------------|--------------------|---------------------------------|-----------------|
| Customer ID | | Date | |
| Customer EAGLE CREEK CORP | | 5-25-03 | |
| Lease HORACE | | Lease No. | Well # 3-17 |
| Field Order # 6522 | Station LIBERAL | Casing 8 5/8 | Depth 1581 |
| Type Job 8 5/8 surface | | Formation | County MEADE |
| | | | State KS |
| | | Legal Description 17-345-29W | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-------------------------|--------------|------------------|----|-------------------------|------------|------------------|-------|------------------|
| Casing Size 8 5/8 | Tubing Size | Shots/Ft | | Acid 100 SH Common | | RATE | PRESS | ISIP |
| Depth 1581 | Depth | From | To | Pre-Pad 385 SH A-CON | Max | | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | | 10 Min. |
| Max Press 1000 | Max Press | From | To | Frac | Avg | | | 15 Min. |
| Well Connection P.C. | Annulus Vol. | From | To | Flush WATER | HHP Used | | | Annulus Pressure |
| Plug Depth | Packer Depth | From | To | | Gas Volume | | | Total Load |

| | | | | | | |
|---|--------------------------------|----------------------------|----|----|----|----|
| Customer Representative STEVEN CERIC | Station Manager DIRK MORRIS | Treater SHAUN FREDERICH | | | | |
| Service Units | 108 | 28 | 71 | 38 | 30 | 76 |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|------|-----------------|-----------------|--------------|------|--|
| 1400 | | | | | ON LOCATION / RIG CIR |
| 1500 | | | | | THROUGH CIR / PULL D.P. |
| 1530 | | | | | PRE-JOB SAFETY MEETING |
| 1535 | | | | | RIG UP P.T |
| 1630 | | | | | D.P. OUT OF HOLE / RIG UP CASEPS |
| 1650 | | | | | START TN WITH CASING / F.F. |
| 1815 | | | | | CASING ON BOTTOM / Hook UP P.C. |
| 1820 | | | | | BREAK CIR W/ RIG |
| 1830 | | | | | THROUGH CIR / Hook lines TO P.T. |
| 1840 | 100 | | 184 | 5 | Pump 385 SHS A-CON @ 11.5 ^{PP} |
| 1910 | 0 | | 24 | 5 | Pump 100 SHS Common @ 14.8 ^{PP} |
| 1915 | | | | | SHOT DOWN / DROP PLUG |
| 1920 | 0 | | 98 | 6 | Pump Disp |
| 1930 | 200 | | - | 6 | CMT TO P.T |
| 1940 | 400 | | - | 2 | SLOW RATE |
| 1945 | 600 | | | 2 | LAND PLUG |
| 2030 | | | | | RELEASE FLOAT --- HELD |
| | | | | | JOB COMPLETE |

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