



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- 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: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ 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 #: \_\_\_\_\_

**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: \_\_\_\_\_



1064318

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|---|---|

| CASING RECORD <input 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 |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| _____ Perforate<br>_____ Protect Casing<br>_____ Plug Back TD<br>_____ Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

|  |  |   |
|--|--|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|--|---|



TICKET NUMBER 28039

LOCATION Oakley #5

FOREMAN Fuzzy

Chanute, KS 66720  
9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

| DATE            | CUSTOMER #  | WELL NAME & NUMBER        | SECTION   | TOWNSHIP  | RANGE       | COUNTY            |
|-----------------|-------------|---------------------------|-----------|-----------|-------------|-------------------|
| <u>12-13-11</u> | <u>7158</u> | <u>Alfred Holstein #1</u> | <u>12</u> | <u>20</u> | <u>36 W</u> | <u>Wichita KS</u> |

| CUSTOMER               |  |  | TRUCK # DRIVER TRUCK # DRIVER |            |               |  |
|------------------------|--|--|-------------------------------|------------|---------------|--|
| <u>Raymond Oil Co.</u> |  |  |                               |            |               |  |
| MAILING ADDRESS        |  |  | <u>125</u>                    | <u>463</u> | <u>Josh G</u> |  |
| CITY                   |  |  | <u>11/2 W</u>                 | <u>439</u> | <u>Cory D</u> |  |
| STATE                  |  |  | <u>WYN</u>                    |            |               |  |
| ZIP CODE               |  |  |                               |            |               |  |

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 5126' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.1 SLURRY VOL 1.40 WATER gal/sk 6.7 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Tomcat #1, mix & pump

- 50 SKS @ 2285'
- 80 SKS @ 1240'
- 40 SKS @ 650'
- 50 SKS @ 280'
- 20 SKS @ 60'
- 30 SKS @ RH
- 20 SKS @ MH

Thanks Fuzzy & crew

| ACCOUNT CODE  | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE               | TOTAL                    |
|---------------|-------------------|------------------------------------|--------------------------|--------------------------|
| <u>5405N</u>  | <u>1</u>          | <u>PUMP CHARGE</u>                 | <u>1250<sup>00</sup></u> | <u>1250<sup>00</sup></u> |
| <u>5406</u>   | <u>60</u>         | <u>MILEAGE</u>                     | <u>5<sup>00</sup></u>    | <u>300<sup>00</sup></u>  |
| <u>5407A</u>  | <u>12.47 tow</u>  | <u>Tow Mileage Delivery</u>        | <u>1<sup>58</sup></u>    | <u>1182<sup>13</sup></u> |
| <u>1131</u>   | <u>290 SKS</u>    | <u>60/40 pes</u>                   | <u>14<sup>35</sup></u>   | <u>4161<sup>50</sup></u> |
| <u>1118B</u>  | <u>998 #</u>      | <u>Bentonite</u>                   | <u>.24</u>               | <u>239<sup>52</sup></u>  |
| <u>1107</u>   | <u>73 #</u>       | <u>P10-stal</u>                    | <u>2.66</u>              | <u>194<sup>18</sup></u>  |
|               |                   |                                    | <u>subtotal</u>          | <u>7327<sup>35</sup></u> |
|               |                   |                                    | <u>less 15% disc.</u>    | <u>1099<sup>10</sup></u> |
|               |                   |                                    |                          | <u>6228<sup>25</sup></u> |
| <u>241985</u> |                   |                                    |                          |                          |
|               |                   |                                    | <u>8.3%</u>              |                          |
|               |                   |                                    | SALES TAX                | <u>324.19</u>            |
|               |                   |                                    | ESTIMATED TOTAL          | <u>6552.44</u>           |

Ravin 3737

AUTHORIZATION Jesus Martinez TITLE \_\_\_\_\_ 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.

Max R. Lovely

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Raymond Oil Co.  
 LEASE Alfred Holstein #1  
 FIELD Midcat  
 LOCATION SE SW NE SE  
 SEC 12 TWP 20 RGE 36W  
 COUNTY Wichita STATE KS  
 CONTRACTOR Tomcat #1  
 SPUD 6-3-2011 COMP 6-13-2011  
 RTD 5126 LTD 5123  
 MUD up 3402 TYPE MUD Chem

ELEVATIONS  
 KB 3180

DF 3171  
 CL 3171  
 Measurements Are All From KB

CASTING  
 SURFACE 8 3/8 @ 250'  
 PRODUCTION \_\_\_\_\_

ELECTRICAL SURVEYS  
 DI, Micro  
 Comp N/D

## FORMATION TOPS AND STRUCTURAL POSITION

| FORMATION     | SAMPLE TOP | ELECTRIC LOG TOP | SUB-SEA DATUM | STRUCTURAL POSITION |       |       |
|---------------|------------|------------------|---------------|---------------------|-------|-------|
|               |            |                  |               | A                   | G     | C     |
| B/Anhydrite   | 2296       | 3521             | -341          | 879                 | -336  | 884   |
| Stoller       | 3527       | 3936             | -756          | -348                | -754  | -338  |
| Heebner       | 3940       | 3992             | -812          | -768                | -804  | -758  |
| Lansing       | 3992       | 3992             | -812          | -820                | -804  | -809  |
| Stark         | 4306       | 4307             | -1127         | -1135               | -1112 | -1121 |
| Marmaton      | 4482       | 4474             | -1294         | -1320               | -1298 | -1315 |
| Pawnee        | 4585       | 4582             | -1382         | -1415               | -1384 | -1398 |
| Myric Station | 4604       | 4586             | -1416         | -1454               | -1416 | -1434 |
| Cherokee      | 4636       | 4646             | -1466         | -1462               | -1468 | -1487 |
| Johnson       | 4704       | 4690             | -1510         | -1544               | -1512 | -1534 |
| Morrow Shale  | 4835       | 4828             | -1648         | -1690               | -1638 | -1676 |
| Mississippi   | 5000       | 4936             | -1756         | -1852               | -1762 | -1818 |

## REFERENCE WELLS FOR STRUCTURE

Woolsey W. R. Wells #1 NW NW SW 7-20-35W  
 Raymond Holstein #1 NE NE SW NW 12-20-36W  
 Texlar Dipman #1 SW NW 12-20-36W

REMARKS

\_\_\_\_\_

\_\_\_\_\_




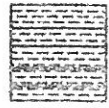
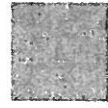
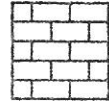
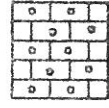
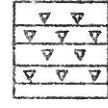
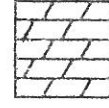
\_\_\_\_\_

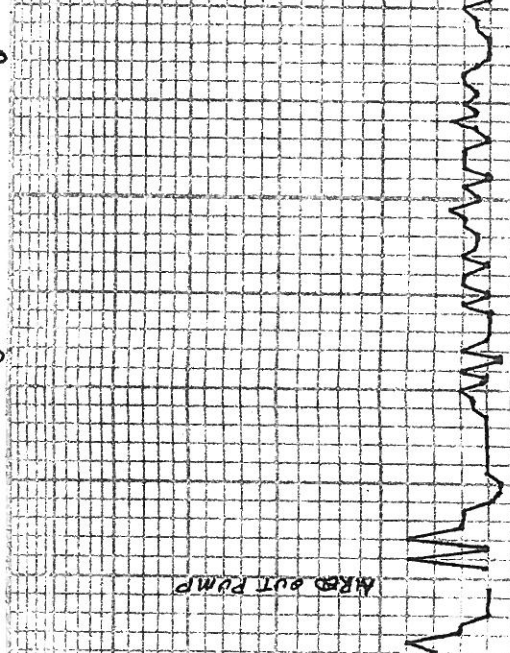
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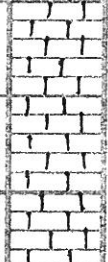
**LEGEND**

|   |           |
|---|-----------|
|  | Anhydrite |
|  | Salt      |
|  | Sandstone |
|  | Shale     |
|  | Carb sh   |
|  | Limestone |
|   | Oil Lime  |
|    | Chert     |
|    | Dolomite  |

|   |     |  |
|---|-----|--|
| DRILLING TIME IN MINUTES<br>PER FOOT<br>Rate of Penetration Decreases | 5"  |  |
|   | 10" |  |
| 15"   |     |  |
| 20"   |     |  |
| 25"   |     |  |

DEPTH  
**3400**

LITHOLOGY

|   |   |
|---|---|
| LS, WHT CLM, F → N XTLN,<br>S → M HRD, FOSS, SL DOOLIS,<br>F XTLN ϕ, NS |  |
| SH, RED, GR Y   |  |
| MS, BRN, F XTLN, S → M HRD,<br>V FOSS, LG FOSS, 2 ϕ, NS                 |   |

OIL SHOWS

REMARKS

GED ON LOG

STRAP 3208.84  
BOARD 3215.00  
4.11

5 HOURS

7:AM - 6-8-11

DRILL

SAMPLES

TRASHY

LOG 7110

LS, WHIT, VE XTLM, NR, NS

DNS, TITE, NS

LS, GRP, VE XTLM, DNS, HRD  
TITE, NS

LS, BOFE, VE XTLM, SK DNS  
HRD, FOSS, ? FRAC P, NS

SH, GRP

SLTSTW, GRP

SS, BRN, SOFT, F SOFT, SML  
GRMS, SL FLIABLE, G P, NS

LS, WHIT, F XTLM, Pos WERTH,  
HRD, Pos G WERTH P, NS

CHLIK

LS, TAN, F XTLM, SL DNS,  
HRD, NO APP P, NS

LS, TAN, GRNLR, EARTNY, SOF  
GRNLR TEXT, G P, NS

LS, TAN, GRP, WHIT, F XTLM, S M  
HRD, VE XTLM P, NS

LS, A.A., UNCR ALGAL

LS, TAN, GRP, F XTLM, GRV,  
SOFT, F XTLM P, NS

3600

KELLY SHORT  
2'

3700

3800

DEV 1°

V1542  
wt 9.0  
LCM 2

V1543  
wt 9.0  
LCM 2

LS, TAN F → M XTLM SL  
ROTED, S → M HRD, FOSS,  
F KTLW Ø, NS

LS, G HYDR, WHT, V FXTLM, PWS  
HRD, TITE, NS

LS, TAN CRM, FXTLM, HRD  
VF FOSS, NO APP Ø, NS

CHT, WHT/GRY, Ø 2AØ, FOSS

LS, GRY, V FXTLM, V HRD, DMS  
V FOSS, TITE, NS

SLTSTW, GRY, TAN, SL CARB

LS, BRN

CHMR, TAN/WHT

SH, BLK, THIN, CARB

LS, WHT, FXTLM, S → M HRD,  
BRTL, FOSS, 3 Ø, NS

CHT, WHT/GRY, WHT, GRY,  
V SL FOSS  
LS, WHT, V FXTLM, DMS, V HRD,  
VW CMT'P ØØLS, TITE, NS

LS, BU FE, FXTLM, V NRØ, SL  
FOSS, NO Ø, NS

LS, WHT, V FXTLM, V HRD, FOSS  
NO APP Ø, NS

CHT, WHT, SL FOSS, FRESH

LS, CRM, FXTLM, HRD, SL FOSS  
SL DMS, NO APP Ø, NS

VIS 46  
WT 9.2  
LCM 2

VIS 45  
WT 9.2  
LCM 2

3900

HEERWER

3940 - 760

4000

LAUSING  
03992-812

\* MORNING DRIVER UNABLE  
TO CORRECTLY TAKE TURNS @  
COWBOYS



L5, BLK, VEXTLW, HAD DMS  
V FOSS, NO APP Ø, NS

L5, CRM, VEXTLW, DMS, HRP,  
V FEW FOSS, TITEINS

CHT, GRV, WHT, FOSS

L5, CRM, BUFF, FXTLW, HAD  
SL FOSS, NO APP Ø, PYR  
NS

M.A.

CHT, CHINA WHT

CHT, PEACH, WHT, TAN

SH, RED

SH, GRV

L5, GRV, FXTLW, S → HRP,  
FOSS, BRTTL, SCT Ø, NS

L5, WHT CRM, FXTLW, HRP,  
SL FOSS, VP → TITE Ø, NS

L5, CRM, TAN, FXTLW, S → HRP,  
SL CHLKY, FOSS, BRTTL, SL  
FXTLW + FOSS Ø, NS

L5, CRM, TAN, F → MXTLW, SOFT  
MEALY, CHLKY, GXTLW Ø, NS

L5, TAN, CRS XTLW, SL ØØØ, V FOSS  
SOFT, FRIABLE, VG, WXTLW  
+ FOSS Ø, NS, G ØØØ Ø

L5, TAN, FXTLW, V ØØØ + FOSS,  
SL ØØØ Ø, ØØØS F → W CMT P  
POØ Ø, NS, SL TIGHTER ↑

SH, BLK, LPE

L5, TAN, FXTLW, DMS, TRD,

4100

MUNICIE  
CREEK

4200

4194 - 1014

4300

STARK  
4306 - 1126

TAN 6-9-11  
DRILG @ 4180'

CRS 4374' - 45'  
MUDCHECK  
V1S 42. WT 9.6  
CHDR 8.400, LCM  
FIAT 12.8

CRS 4305' - 45" DEVI.

LS, TRW, FXTLN, M HAD, BRITL  
V DOM, FOSS, G, Ø, NS

LS, BUFE, BRN, FXTLN, HRD,  
DNS, SL FOSS, NO APP Ø, NS

A.A.

LS, CRM, TAN, VEXTLN, SL  
HRD, SL FOSS, DNS NO  
APP Ø, NS

LS, CRM, FXTLN, HRD, FEW FOSS,  
SL DNS, VPXTLN Ø, NS

SH, BLK, SLTY

LS, CRM, V DNS, FXTLN, SL  
FOSS, TITE, NS

SH, GRY

LS, CRM, FXTLN, M HAD, F Ø, NS

SH, GRY, SLTY, SLDY

LS, GRY, V FXTLN, DNS, HRD,  
SPRC FOSS, TITE, NS

LS, TAN, VEXTLN, HRD, BRITL  
DNS, W CNTD ØØLS, TITE,  
NS

LS, WHT, VEXTLN, HRD, DNS  
VF FOSS, TITE, NS

LS, BRN, TAN, F → M XTLN, S → M  
HRD, SL CHKPY, V FOSS, FRAS  
+ SP ØØL, F WIT FOSS Ø, NS

LS, TAN, GRY, M → CRS XTLN, HRD  
V FOSS, VARI SIZE FOSS, SL  
CONVL, PXTLN Ø, NS

LS, BRN, DK BRN, FXTLN, HRD  
V CRS FOSS, WOOL, W CNTD,  
TITE, NS

LS, LT GRY, F → M XTLN, HRD, BLK  
MINS W WIT, TITE, NS  
LS, GRY, V FXTLN, V DNS, SL FOSS, TITE

HUSHUCKNEY  
4352 - 1172

4400

BKC  
4453 - 1273

MARKWATER  
4482 - 1302

4500

VIS 49  
WT 9.2  
LCM 3

VIS 48  
WT 9.2  
LCM 3

CF5 4506' - 60'  
MP ↓ 900' FROM 1100'

2

PAWNER  
4585-1405

SH, BLK, FISSILE

4600

MYRICK STW  
4604-1424

LS, LT GRAY  
LS TAN, FEMUR, SPM, HAB,  
CRIB, BLK, F, 6, 6 STN6, S, M, GRAY  
DPTZ, SLIP, X, TAN, F, 6, 6  
FEM, STN6, W, SCT, HRT, STN6, MICRO  
OIL DRIPS

LT 0808  
SCT BRW  
FILMY FB

-CFS 4604'.60"  
VIS 50  
WT 9.1  
LCM 2

DEV 1 Y<sup>0</sup>

FT SCOTT  
4626-1446

LS, TAN, V, F, XTLM, V, HRD, V, BOOL  
W, CMT, V, D, BOOLS, TITG, MS

4700

CHEROKEE  
4656-1476

LS, BRN, F, XTLM, HRD, DMS,  
FOSS, MO APPR, MS

SH, GRY

SH, BLK

LS, BRN, F, XTLM, HRD, DMS,  
FOSS, SL FRAC'D, TITE, MS

4700

ATOKA  
4744-1564

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

SH, DK GRAY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
FEW FOSS, V, XTLM, D, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
FOSS, SCT PP, XTLM, D, MS

SH, GRY

LS, TAN, BRN, F, XTLM, DMS, V, FOSS,  
RES, HRD, TITE, MS

4800

ATOKA  
4744-1564

LS, GRM, V, F, XTLM, V, DMS, V, HRD,  
REXTLD FRACS, T, TIE, MS

SH, GRY

SH, GRY

LS, GRAY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

SH, DK GRAY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRY, TAN, V, F, XTLM, V, DMS,  
V, HRD, ATY, FOSS, TITE, MS

SH, GRY

LS, GRM, V, F, XTLM, V, DMS, V, HRD,  
REXTLD FRACS, T, TIE, MS

MUDCHECK  
V: 5.43, WT 9.3  
C HLR 5.000, LCM 3  
HCM 2, FILT 9.6

DST #1 4551-4617  
30:60.45:90  
LFI: 1" 151: No RETURN  
FF: WKSURFSI: " "  
REC: 90' W/M  
FP: 20-39, 42-65  
SP: 1240-1223  
HP: 2264-2189

-CFS 4617'.60"  
7:1 AM 6-10-11 SHORT TRM  
FOR DST #1

-CFS 4617'.60"  
7:1 AM 6-10-11 SHORT TRM  
FOR DST #1

7:1 AM 6-11-11 DRILL @ 4628  
MUDCHECK - DST  
VIS 50 WT 9.2  
CHLR 5.000, LCM 3  
FILT 8.0

MORROW SH  
4835 - 1655

SH JUCED, NO ODOA, NO FO, TITB  
CHT, GRN / WHT, (TRAVERTINE?)

SH BLK

SH, GRY, GRN

SH, GRY, SLTY

SH, VARA COLOR, PYRITIC

LS, GRY WHT, V FXTLN, V DWS,  
V HRD, TITE, NS

SH, BLK, STICKY

SAT STN, SUDY DIRTY

SH, BLK, GRN, PYRITIC

SS, CLR GRNS, W SORT, SML GRNS  
W CMT'D, HRD, F, RND GRNS,  
GRN CMT, NS

SS, GR, GRNS, WHT CMT, S-SM GRNS  
P SORT, SUB RND, PAW CMT'D,  
GR, NS, PYRITIC

SS, WHT/BRN, P SORT, ANG GRNS,  
CONGL, SHLY, F CMT GR, NS

SS, WHT, P SORT, FV GRNS, WHT  
CHLKY CMT, SOFT, F, GR, NS

SS, CLR GRNS, WHT + CLR CMT'D  
SOFT, P, S V FRIABLE, GR, P,  
CHLKY, NS

LS, GRN, NFXTLN, GRNLR TEXT,  
CHLKY, FXTLN, SOFT, NS

SH, BLK

SS, WHT CRM, TAN CLR GRNS  
W SORT, FRIABLE -> SOFT,  
GR, NS

LS, CRM, GRNLR XTLN, SOFT ->  
M HRD, P, S HOWER COMB, GR,  
NS

LS, CRM, FXTLN, V HRD, SL FOSS  
NO APPQ, NS

SH, GRY, GRN

A.A.

LS, BUFF, FXTLN, M HRD, SL FOSS  
VP -> TITE XTLN, GR, NS

4900

-CFS 4905' 60"

VISS  
WT 9.3  
LCM 2

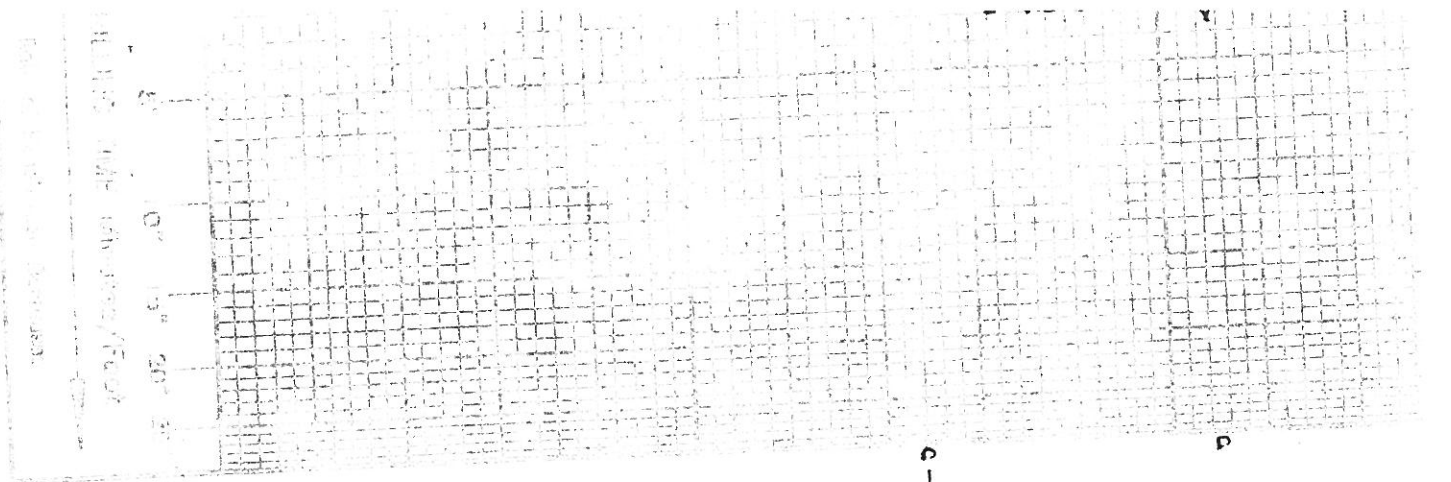
-CFS 4918' 60"

-CFS 4960' 60"

VISS  
WT 9.2  
LCM 2

MISS  
5000 - 1820

7 AM 6.12.11  
DRILL @ SORT'



5100

6- TD

| LITHOLOGY                                     | SAMPLE DESCRIPTIONS |
|---|---------------------|
| A.A.  |                     |
| LS, BUFF, F XTLN, MHRD, FOSS<br>VP XTLN Ø, MS |                     |
| A. A.   |                     |
| A. A.   |                     |
| A. A.   |                     |
|   |                     |
|   |                     |
|   |                     |
|   |                     |
|   |                     |
|   |                     |

OIL SHOWS

REMARKS

MUD CHECK  
VIS 50, WT 9.4  
CHLOR 6.000  
LCM 2, FLTY 7.2

SECTION \_\_\_\_\_ TWP \_\_\_\_\_ R1C \_\_\_\_\_  
 COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

LOCATION \_\_\_\_\_  
 SEC \_\_\_\_\_ TWP \_\_\_\_\_ R1C \_\_\_\_\_  
 COUNTY \_\_\_\_\_ STATE \_\_\_\_\_



## DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company Inc.**

PO Box 48788  
Wichita, KS 67202-1822

ATTN: Max Lovely

**30-60-45 Wichita,KS**

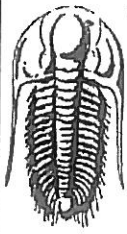
**Alfred Holstein**

Start Date: 2011.06.10 @ 18:05:00

End Date: 2011.06.11 @ 03:13:00

Job Ticket #: 042659      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Raymond Oil Company Inc.  
 PO Box 48788  
 Wichita, KS 67202-1822  
 ATTN: Max Lovely

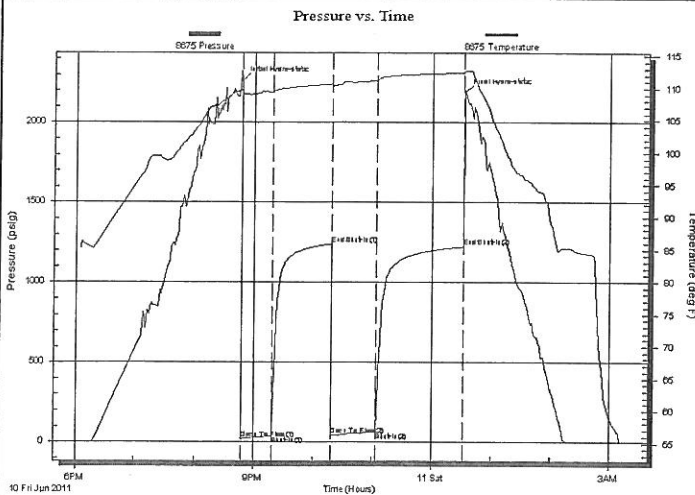
Alfred Holstein  
 30-60-45 Wichita, KS  
 Job Ticket: 042659 DST#: 1  
 Test Start: 2011.06.10 @ 18:05:00

## GENERAL INFORMATION:

Formation: Myric  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:47:30  
 Time Test Ended: 03:13:00  
 Interval: 4551.00 ft (KB) To 4617.00 ft (KB) (TVD)  
 Total Depth: 4617.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jace McKinney  
 Unit No: 28  
 Reference Elevations: 3180.00 ft (KB)  
 3170.00 ft (CF)  
 KB to GR/CF: 10.00 ft

Serial #: 8675 Inside  
 Press@RunDepth: 64.73 psig @ 4552.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.06.10 End Date: 2011.06.11 Last Calib.: 2011.06.11  
 Start Time: 18:05:01 End Time: 03:13:00 Time On Btm: 2011.06.10 @ 20:47:00  
 Time Off Btm: 2011.06.11 @ 00:33:45

TEST COMMENT: Built to 1" Blow  
 No Return Blow  
 Weak Surface Blow  
 No Return Blow



## PRESSURE SUMMARY

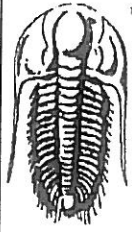
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2264.46         | 109.84       | Initial Hydro-static |
| 1           | 20.04           | 108.69       | Open To Flow (1)     |
| 31          | 39.60           | 109.40       | Shut-In(1)           |
| 91          | 1240.24         | 110.70       | End Shut-In(1)       |
| 92          | 42.12           | 109.92       | Open To Flow (2)     |
| 136         | 64.73           | 111.25       | Shut-In(2)           |
| 226         | 1223.04         | 112.39       | End Shut-In(2)       |
| 227         | 2189.79         | 112.67       | Final Hydro-static   |

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 90.00       | w cm 40%w 60%m | 0.44         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

## Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company Inc.

Alfred Holstein

PO Box 48788  
Wichita, KS 67202-1822

30-60-45 Wichita, KS

Job Ticket: 042659

DST#: 1

ATTN: Max Lovely

Test Start: 2011.06.10 @ 18:05:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4535.20 ft | Diameter: 3.80 inches | Volume: 63.62 bbl              | Tool Weight: 1500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches | Volume: 0.59 bbl               | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | <u>Total Volume: 64.21 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 131.70 ft          |                       |                                | String Weight: Initial 52000.00 lb |
| Depth to Top Packer:      | 4551.00 ft         |                       |                                | Final 53000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 66.00 ft           |                       |                                |                                    |
| Tool Length:              | 93.50 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4524.50    |                               |
| Shut In Tool     | 5.00        |            |          | 4529.50    |                               |
| Hydraulic tool   | 5.00        |            |          | 4534.50    |                               |
| Jars             | 5.00        |            |          | 4539.50    |                               |
| Safety Joint     | 2.50        |            |          | 4542.00    |                               |
| Packer           | 5.00        |            |          | 4547.00    | 27.50 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4551.00    |                               |
| Stubb            | 1.00        |            |          | 4552.00    |                               |
| Recorder         | 0.00        | 8675       | Inside   | 4552.00    |                               |
| Recorder         | 0.00        | 8371       | Outside  | 4552.00    |                               |
| Perforations     | 29.00       |            |          | 4581.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4582.00    |                               |
| Drill Pipe       | 31.00       |            |          | 4613.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4614.00    |                               |
| Bullnose         | 3.00        |            |          | 4617.00    | 66.00 Bottom Packers & Anchor |

**Total Tool Length: 93.50**





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Company Inc.

Alfred Holstein

PO Box 48788  
Wichita, KS 67202-1822

30-60-45 Wichita, KS

Job Ticket: 042659      DST#: 1

ATTN: Max Lovely

Test Start: 2011.06.10 @ 18:05:00

### Mud and Cushion Information

|                                  |                            |                 |           |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API:        | deg API   |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: | 20000 ppm |
| Viscosity: 50.00 sec/qt          | Cushion Volume: bbl        |                 |           |
| Water Loss: 7.99 in <sup>3</sup> | Gas Cushion Type:          |                 |           |
| Resistivity: 0.00 ohm.m          | Gas Cushion Pressure: psig |                 |           |
| Salinity: 5000.00 ppm            |                            |                 |           |
| Filter Cake: 1.00 inches         |                            |                 |           |

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 90.00        | w cm 40%w 60%m | 0.443         |

Total Length: 90.00 ft      Total Volume: 0.443 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW: .54 @ 52 F = 200000

Serial #: 8675

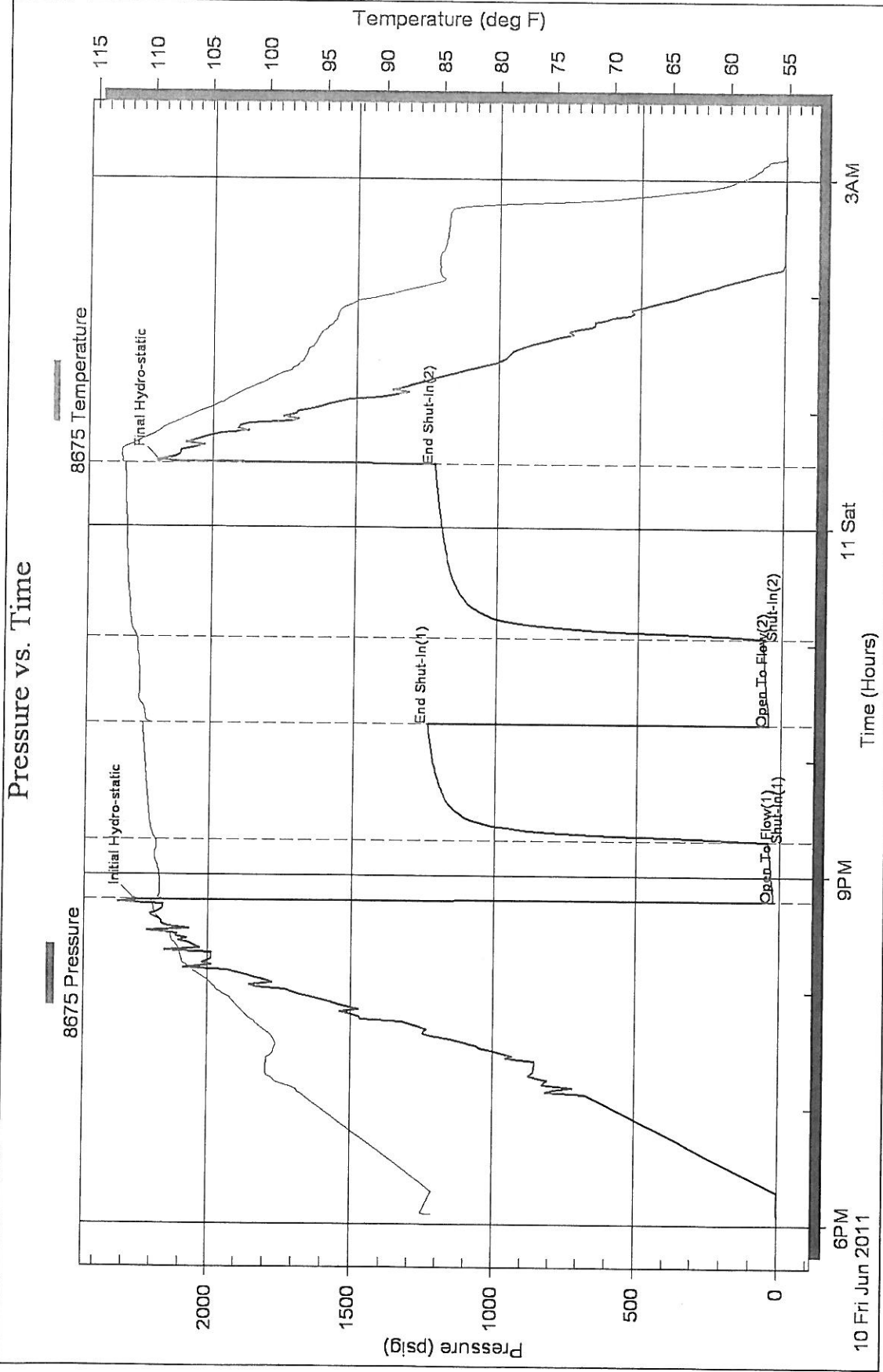
Inside

Raymond Oil Company Inc.

30-60-45 Wichita, KS

DST Test Number: 1

### Pressure vs. Time



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 04, 2011

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67202-1822

Re: ACO1  
API 15-203-20163-00-00  
Holstein, Alfred 1  
SE/4 Sec.12-20S-36W  
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Ted McHenry

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 05, 2011

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67202-1822

Re: ACO-1  
API 15-203-20163-00-00  
Holstein, Alfred 1  
SE/4 Sec.12-20S-36W  
Wichita County, Kansas

Dear Ted McHenry:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 6/4/2011 and the ACO-1 was received on October 04, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department