Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1098560

Form ACO-1
August 2013
**Form must be Typed**
**Form must be Signed**
**All blanks must be Filled**

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

OPERATOR: License # 33922
Name: Mustang Energy Corporation
Address 1: PO BOX 1121
Address 2:
City: HAYS State: KS Zip: 67601 + ____
Contact Person: Rod Brin
Phone: ( 785 ) 623-3637
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Jeff Lawler
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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

| 7/18/2012 | 7/26/2012 | 7/27/2012 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-063-22009-00-00
Spot Description:
NE - NE - SW - SW Sec. 30 Twp. 14 S. R. 28 ☐ East ☑ West
1130 Feet from ☐ North / ☑ South Line of Section
1300 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gove
Lease Name: Evans A Well #: 1
Field Name: Wildcat
Producing Formation: none
Elevation: Ground: 2573 Kelly Bushing: 2580
Total Vertical Depth: 4358 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 220 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: 18000 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Whitetail Crude Corporation
Lease Name: James #1 swd License #: 31627
Quarter SE Sec. 26 Twp. 16 S. R. 29 ☐ East ☑ West
County: Lane Permit #: D-27,810

**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**

☑ **Confidentiality Requested**
Date: 10/24/2012
☑ **Confidential Release Date:** 10/24/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
**ALT** ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 10/25/2012

1098560

Operator Name: Mustang Energy Corporation Lease Name: Evans A Well #: 1

Sec. 30 Twp. 14 S. R. 28 ☐ East ☑ West County: Gove

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:

Micro, Dual Induction, Compensated Neutron Density

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Topeka | 3425 | -845 |
| Heebner | 3652 | -1072 |
| LKC | 3694 | -1114 |
| BKC | 4000 | -1420 |
| Ft Scott | 4192 | -1612 |
| Mississippi | 4299 | -1719 |

CASING RECORD ☑ New ☐ 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 |
|---|---|---|---|---|---|---|---|
| Surface Pipe | 12.25 | 8.625 | 23 | 220.27 | Common | 150 | 2%gel3%CC |
| | | | | | | | |
| | | | | | | | |

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 | - | | | |
| | - | | | |

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

| 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 |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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 |
|---|---|---|---|---|---|
| | | | | | |

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

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

MUSTANG ENERGY CORPORATION

Scale 1:240 Imperial

| | | | |
|---|---|---|---|
| Well Name: | EVANS A #1 | | |
| Surface Location: | NE NE SW SW 30-14-28 | | |
| Bottom Location: | | | |
| API: | 15-063-22009-0000 | | |
| License Number: | 33922 | | |
| Spud Date: | 7/19/2012 | Time: | 8:45 AM |
| Region: | GOVE | | |
| Drilling Completed: | 7/26/2012 | Time: | 1:30 PM |
| Surface Coordinates: | 1130 FSL & 1300 FWL | | |
| Bottom Hole Coordinates: | | | |
| Ground Elevation: | 2572.00ft | | |
| K.B. Elevation: | 2580.00ft | | |
| Logged Interval: | 220.00ft | To: | 4359.00ft |
| Total Depth: | 4358.00ft | | |
| Formation: | | | |
| Drilling Fluid Type: | FRESH WATER/CHEMICAL GEL | | |

**OPERATOR**

| | | | |
|---|---|---|---|
| Company: | MUSTANG ENERGY CORPORATION | | |
| Address: | P.O. BOX 1121<br>HAYS, KS 67601 | | |
| Contact Geologist: | ROD BRIN | | |
| Contact Phone Nbr: | (785) 628-2660 | | |
| Well Name: | EVANS A #1 | | |
| Location: | NE NE SW SW 30-14-28 | API: | 15-063-22009-0000 |
| Pool: | | Field: | WILDCAT |
| State: | KANSAS | Country: | USA |

**SURFACE CO-ORDINATES**

| | | | |
|---|---|---|---|
| Well Type: | Vertical | | |
| Longitude: | -100.4794850 | Latitude: | 38.8032283 |
| N/S Co-ord: | 1130 FSL | | |
| E/W Co-ord: | 1300 FWL | | |

**LOGGED BY**

SOLUTIONS CONSULTING

| | | | |
|---|---|---|---|
| Company: | SOLUTIONS CONSULTING | | |
| Address: | 108 W 35TH<br>HAYS, KS 67601 | | |
| Phone Nbr: | (785) 259-3737 | | |
| Logged By: | Geologist | Name: | JEFF LAWLER |

**CONTRACTOR**

| | | | |
|---|---|---|---|
| Contractor: | DISCOVERY DRILLING | | |
| Rig #: | 1 | | |

| | | | |
|---|---|---|---|
| Rig #: | 1 | | |
| Rig Type: | MUD ROTARY | | |
| Spud Date: | 7/19/2012 | Time: | 8:45 AM |
| TD Date: | 7/26/2012 | Time: | 1:30 PM |
| Rig Release: | 7/27/2012 | Time: | 5:00 PM |

## ELEVATIONS

| | | | |
|---|---|---|---|
| K.B. Elevation: | 2580.00ft | Ground Elevation: | 2572.00ft |
| K.B. to Ground: | 8.00ft | | |

## NOTES

DUE TO A LACK OF AN ECONOMICAL RECOVERY ON ALL 5 DRILL STEM TESTS DECISION WAS MADE TO PLUG AND ABANDON THE WELL.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

## WELL COMPARISON SHEET

| | ¤ | | ¤ | | • | | • | |
|---|---|---|---|---|---|---|---|---|
| | CHIEF DRLG & BILL PORTER | | KAN-EX INC. | | CLINTON PRODUCTION INC. | | CLINTON PRODUCTION INC. | |
| | EVANS B #1 | | EVANS #1 | | EVANS #1 | | EVANS #3 | |
| | SW SW 30-14-28 | | SE SW 30-14-28 | | SE NW SE 30-14-28 | | N/2 S/2 SE 30-14-28 | |
| | EVANS A #1 | | | | | | | |
| | KB 2580 | KB 2575 | KB 2552 | | KB 2600 | | KB 2600 | |
| | LOG TOPS / SAMPLE TOPS | SAMPLE TOPS / LOG / SMPL. | COMP. CARD / LOG / SMPL. | | LOGS / LOG / SMPL. | | LOGS / LOG / SMPL. | |

| FORMATION | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | LOG CORR. | SMPL. CORR. | DEPTH | DATUM | LOG CORR. | SMPL. CORR. | DEPTH | DATUM | LOG CORR. | SMPL. CORR. | DEPTH | DATUM | LOG CORR. | SMPL. CORR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANHYDRITE TOP | 1989 | 591 | 1990 | 590 | 1990 | 585 | + 6 | + 5 | 1956 | 596 | - 5 | - 6 | 2011 | 589 | + 2 | + 1 | 2007 | 593 | - 2 | - 3 |
| BASE | 2021 | 559 | 2029 | 551 | 2022 | 553 | + 6 | - 2 | 1995 | 557 | + 2 | - 6 | 2045 | 555 | + 4 | - 4 | 2043 | 557 | + 2 | - 6 |
| TOPEKA | 3425 | -845 | 3426 | -846 | | | | | 3390 | -838 | - 7 | - 8 | | | | | | | | |
| HEEBNER SHALE | 3652 | -1072 | 3652 | -1072 | 3647 | -1072 | + 0 | + 0 | 3621 | -1069 | - 3 | - 3 | 3675 | -1075 | + 3 | + 3 | 3684 | -1084 | + 12 | + 12 |
| TORONTO | 3673 | -1093 | 3672 | -1092 | 3667 | -1092 | - 1 | + 0 | 3642 | -1090 | - 3 | - 2 | 3696 | -1096 | + 3 | + 4 | 3706 | -1106 | + 13 | + 14 |
| LKC | 3694 | -1114 | 3693 | -1113 | 3687 | -1112 | - 2 | - 1 | 3663 | -1111 | - 3 | - 2 | 3713 | -1113 | - 1 | + 0 | 3726 | -1126 | + 12 | + 13 |
| MUNCIE CREEK | 3846 | -1266 | 3848 | -1268 | 3846 | -1271 | + 5 | + 3 | 3814 | -1262 | - 4 | - 6 | 3871 | -1271 | + 5 | + 3 | 3882 | -1282 | + 16 | + 14 |
| STARK SHALE | 3932 | -1352 | 3934 | -1354 | 3939 | -1364 | + 12 | + 10 | 3903 | -1351 | - 1 | - 3 | 3960 | -1360 | + 8 | + 6 | 3969 | -1369 | + 17 | + 15 |
| BKC | 4007 | -1427 | 4007 | -1427 | | | | | 3967 | -1415 | - 12 | - 12 | 4033 | -1433 | + 6 | + 6 | 4044 | -1444 | + 17 | + 17 |
| MARMATON | 4030 | -1450 | 4030 | -1450 | 4028 | -1453 | + 3 | + 3 | | | | | 4065 | -1465 | + 15 | + 15 | 4078 | -1478 | + 28 | + 28 |
| PAWNEE | 4106 | -1526 | 4113 | -1533 | 4149 | -1574 | + 48 | + 41 | 4078 | -1526 | + 0 | - 7 | 4136 | -1536 | + 10 | + 3 | 4148 | -1548 | + 22 | + 15 |
| MYRICK STATION | 4164 | -1584 | 4152 | -1572 | | | | | 4120 | -1568 | - 16 | - 4 | 4188 | -1588 | + 4 | + 16 | 4204 | -1604 | + 20 | + 32 |
| FT. SCOTT | 4192 | -1612 | 4190 | -1610 | 4184 | -1609 | - 3 | - 1 | 4153 | -1601 | - 11 | - 9 | 4218 | -1618 | + 6 | + 8 | 4235 | -1635 | + 23 | + 25 |
| CHEROKEE SHALE | 4219 | -1639 | 4220 | -1640 | | | | | 4180 | -1628 | - 11 | - 12 | 4243 | -1643 | + 4 | + 3 | 4263 | -1663 | + 24 | + 23 |
| JOHNSON ZONE | 4265 | -1685 | 4265 | -1685 | | | | | | | | | 4292 | -1692 | + 7 | + 7 | 4311 | -1711 | + 26 | + 26 |
| MISSISSIPIAN | 4299 | -1719 | 4303 | -1723 | 4289 | -1714 | - 5 | - 9 | 4282 | -1730 | + 11 | + 7 | 4326 | -1726 | + 7 | + 3 | 4355 | -1755 | + 36 | + 32 |
| RTD | | | 4358 | -1778 | 4345 | -1770 | | - 8 | 4355 | -1803 | | + 25 | 4370 | -1770 | | - 8 | 4400 | -1800 | | + 22 |
| LTD | 4359 | -1779 | | | | | | | | | | | 4364 | -1764 | - 15 | | | | | |

## DST #1 (STRADDLE) LKC E-F

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Mustang Energy Corporation

P.o Box 1121
Hays KS. 67601

ATTN: Jeff Lawler

**30-14s-28w Gove Co. KS.**

**Evans A # 1**

Job Ticket: 48807 **DST#: 1**

Test Start: 2012.07.22 @ 23:58:00

## GENERAL INFORMATION:

Formation: **LKC " E- F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:55:10
Time Test Ended: 06:07:54

Test Type: Conventional Straddle (Initial)
Tester: Will MacLean
Unit No: 40

**Interval: 3746.00 ft (KB) To 3798.00 ft (KB) (TVD)**
Total Depth: 3820.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2580.00 ft (KB)
2572.00 ft (CF)
KB to GR/CF: 8.00 ft

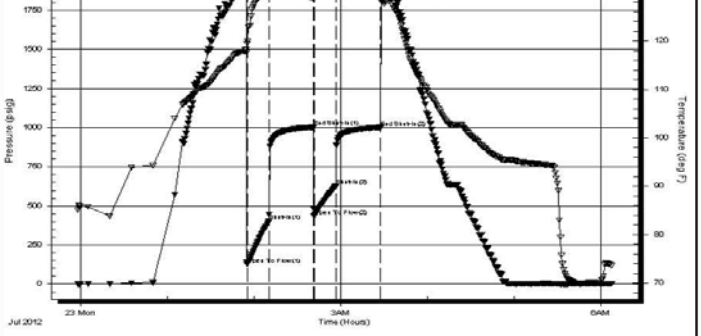
**Serial #: 8360** **Inside**
Press@RunDepth: 625.66 psig @ 3752.00 ft (KB)
Start Date: 2012.07.22 End Date: 2012.07.23
Start Time: 23:58:00 End Time: 06:07:54

Capacity: 8000.00 psig
Last Calib.: 2012.07.23
Time On Btm: 2012.07.23 @ 01:54:25
Time Off Btm: 2012.07.23 @ 03:27:55

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 1min
ISI- Weak Surface Blow in 6 1/2min Died in 20min
FF- Strong Surface Blow Built to BOB in 1 1/2min
FSI- No Blow


PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|



| | | | |
|---|---|---|---|
| 0 | 1897.27 | 118.25 | Initial Hydro-static |
| 1 | 125.55 | 119.42 | Open To Flow (1) |
| 16 | 402.19 | 130.75 | Shut-In(1) |
| 47 | 1002.99 | 128.95 | End Shut-In(1) |
| 47 | 433.67 | 128.84 | Open To Flow (2) |
| 62 | 625.66 | 131.47 | Shut-In(2) |
| 94 | 1001.69 | 130.11 | End Shut-In(2) |
| 94 | 1806.30 | 130.45 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 305.00 | MCW 8%m 92%w | 4.01 |
| 244.00 | MCW 14%m 86%w | 3.42 |
| 183.00 | MCW 28%m 72%w | 2.57 |
| 305.00 | WCM 35%w 65%m | 4.28 |
| 213.00 | WCM 26%w 74%m | 2.99 |
| | | |

Gas Rates

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

Trilobite Testing, Inc Ref. No: 48807 Printed: 2012.07.23 @ 07:36:24

**DST #2 LKC H-I 3832' - 3916'**

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Mustang Energy Corporation

P.o Box 1121
Hays KS. 67601

ATTN: Jeff Lawler

**30-14s-28w Gove Co. KS.**

**Evans A # 1**

Job Ticket: 48808 **DST#: 2**

Test Start: 2012.07.23 @ 18:46:05

## GENERAL INFORMATION:

Formation: **LKC " H, I, & J "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:16:00
Time Test Ended: 02:38:14

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 40

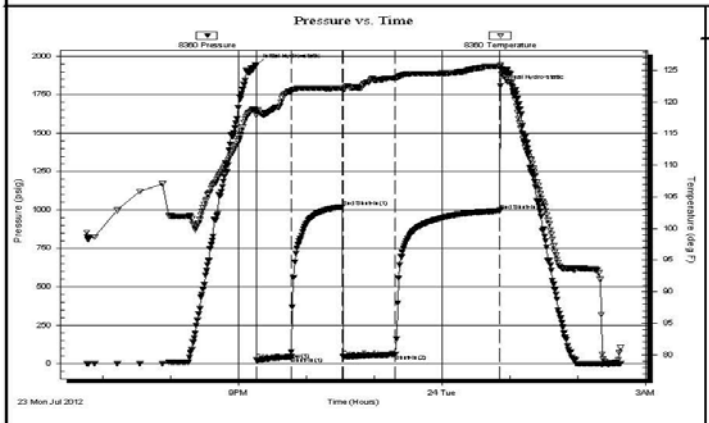
**Interval: 3836.00 ft (KB) To 3916.00 ft (KB) (TVD)**
Total Depth: 3916.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2580.00 ft (KB)
2572.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8360** **Inside**
Press@RunDepth: 59.93 psig @ 3839.00 ft (KB)
Start Date: 2012.07.23 End Date: 2012.07.24
Start Time: 18:46:00 End Time: 02:38:09

Capacity: 8000.00 psig
Last Calib.: 2012.07.24
Time On Btm: 2012.07.23 @ 21:15:40
Time Off Btm: 2012.07.24 @ 00:51:39

TEST COMMENT: IF- Weak Surface Blow Built to 1 3/4"
ISI- No Blow
FF- Weak Surface Blow Built to 1"
FSI- No Blow




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1941.94 | 118.70 | Initial Hydro-static |
| 1 | 23.11 | 117.90 | Open To Flow (1) |
| 31 | 43.19 | 121.55 | Shut-In(1) |
| 77 | 1021.78 | 122.18 | End Shut-In(1) |
| 77 | 45.98 | 121.89 | Open To Flow (2) |
| 123 | 59.93 | 123.77 | Shut-In(2) |
| 216 | 996.76 | 125.59 | End Shut-In(2) |
| 216 | 1807.82 | 125.87 | Final Hydro-static |

Recovery

Gas Rates

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 90.00 | 100%mud | 0.99 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

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



## DST #3 LKC J-K 3902' - 3975'

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Mustang Energy Corporation

P.o Box 1121
Hays KS. 67601

ATTN: Jeff Lawler

**30-14s-28w Gove Co. KS.**

**Evans A # 1**

Job Ticket: 48809 **DST#: 3**

Test Start: 2012.07.24 @ 12:54:00

## GENERAL INFORMATION:

Formation: **LKC " J - K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:28:25
Time Test Ended: 19:34:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 40

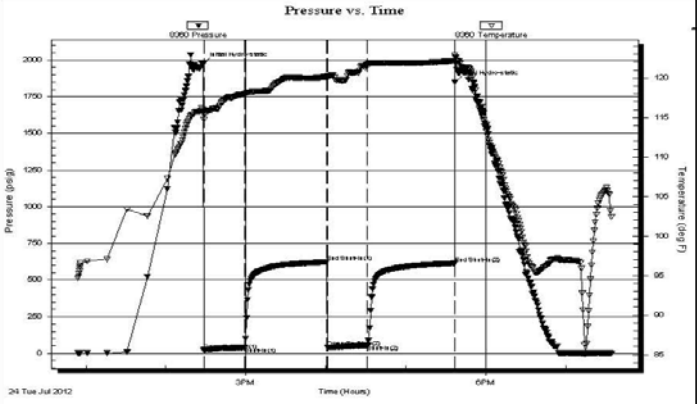
**Interval: 3902.00 ft (KB) To 3975.00 ft (KB) (TVD)**
Total Depth: 3975.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2580.00 ft (KB)
2572.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8360** **Inside**
Press@RunDepth: 55.43 psig @ 3903.00 ft (KB)
Start Date: 2012.07.24 End Date: 2012.07.24
Start Time: 12:54:00 End Time: 19:34:39

Capacity: 8000.00 psig
Last Calib.: 2012.07.24
Time On Btm: 2012.07.24 @ 14:28:10
Time Off Btm: 2012.07.24 @ 17:36:39

TEST COMMENT: IF- Weak Surface Blow Built to 2"
ISI- No Blow
FF- Weak Surface Blow Built to 1 1/4"
FSI- No Blow




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1978.92 | 115.70 | Initial Hydro-static |
| 1 | 22.33 | 114.73 | Open To Flow (1) |
| 31 | 40.93 | 117.98 | Shut-In(1) |
| 93 | 624.03 | 120.17 | End Shut-In(1) |
| 94 | 42.75 | 120.28 | Open To Flow (2) |
| 123 | 55.43 | 121.60 | Shut-In(2) |
| 189 | 615.43 | 122.17 | End Shut-In(2) |
| 189 | 1848.86 | 122.94 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 70.00 | 100%mud with Oil Spots | 0.71 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

## DST #4 PAWNEE 4088' - 4157'

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Mustang Energy Corporation

P.o Box 1121
Hays KS. 67601

ATTN: Jeff Lawler

**30-14s-28w Gove Co. KS.**

**Evans A # 1**

Job Ticket: 48810 **DST#: 4**

Test Start: 2012.07.25 @ 15:42:00

## GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:30:25
Time Test Ended: 22:34:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 40

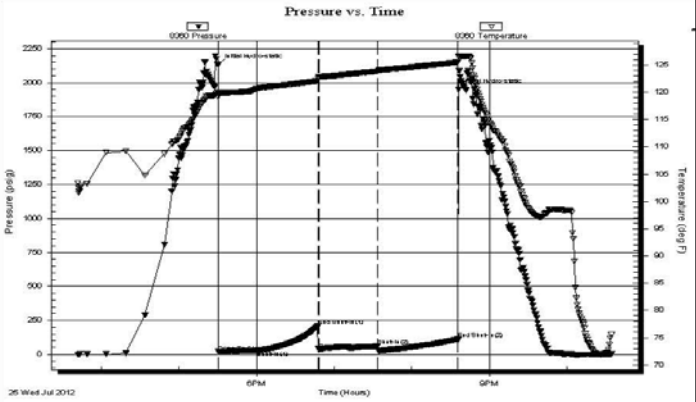
**Interval: 4088.00 ft (KB) To 4157.00 ft (KB) (TVD)**
Total Depth: 4157.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2580.00 ft (KB)
2572.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8360** **Inside**
Press@RunDepth: 59.94 psig @ 4091.00 ft (KB)
Start Date: 2012.07.25 End Date: 2012.07.25
Start Time: 15:42:00 End Time: 22:34:09

Capacity: 8000.00 psig
Last Calib.: 2012.07.25
Time On Btm: 2012.07.25 @ 17:30:10
Time Off Btm: 2012.07.25 @ 20:35:54

TEST COMMENT: IF- Weak Surface Blow Built to 1"
ISI- No Blow
FF- Very Weak Surface Blow
FSI- No Blow




### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2131.84 | 120.01 | Initial Hydro-static |
| 1 | 19.63 | 119.20 | Open To Flow (1) |
| 31 | 29.00 | 120.68 | Shut-In(1) |
| 77 | 208.01 | 122.11 | End Shut-In(1) |
| 78 | 36.03 | 122.77 | Open To Flow (2) |
| 124 | 59.94 | 123.86 | Shut-In(2) |
| 186 | 110.78 | 125.48 | End Shut-In(2) |
| 186 | 1948.35 | 126.49 | Final Hydro-static |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 40.00 | OGCM 2%oil 4%g 94%m with Skim of | 0.29 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

### Gas Rates

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



## ROCK TYPES

Cht
Cht vari
Dolprim
Dolsec
Lmst fw7>
shale, grn
shale, gry
Carbon Sh
shale, red
Shcol
Arg/Shale

## ACCESSORIES

**MINERAL**
Glauconite
Pyrite
Sandy

**STRINGER**
Chert
Conglomerate

## OTHER SYMBOLS

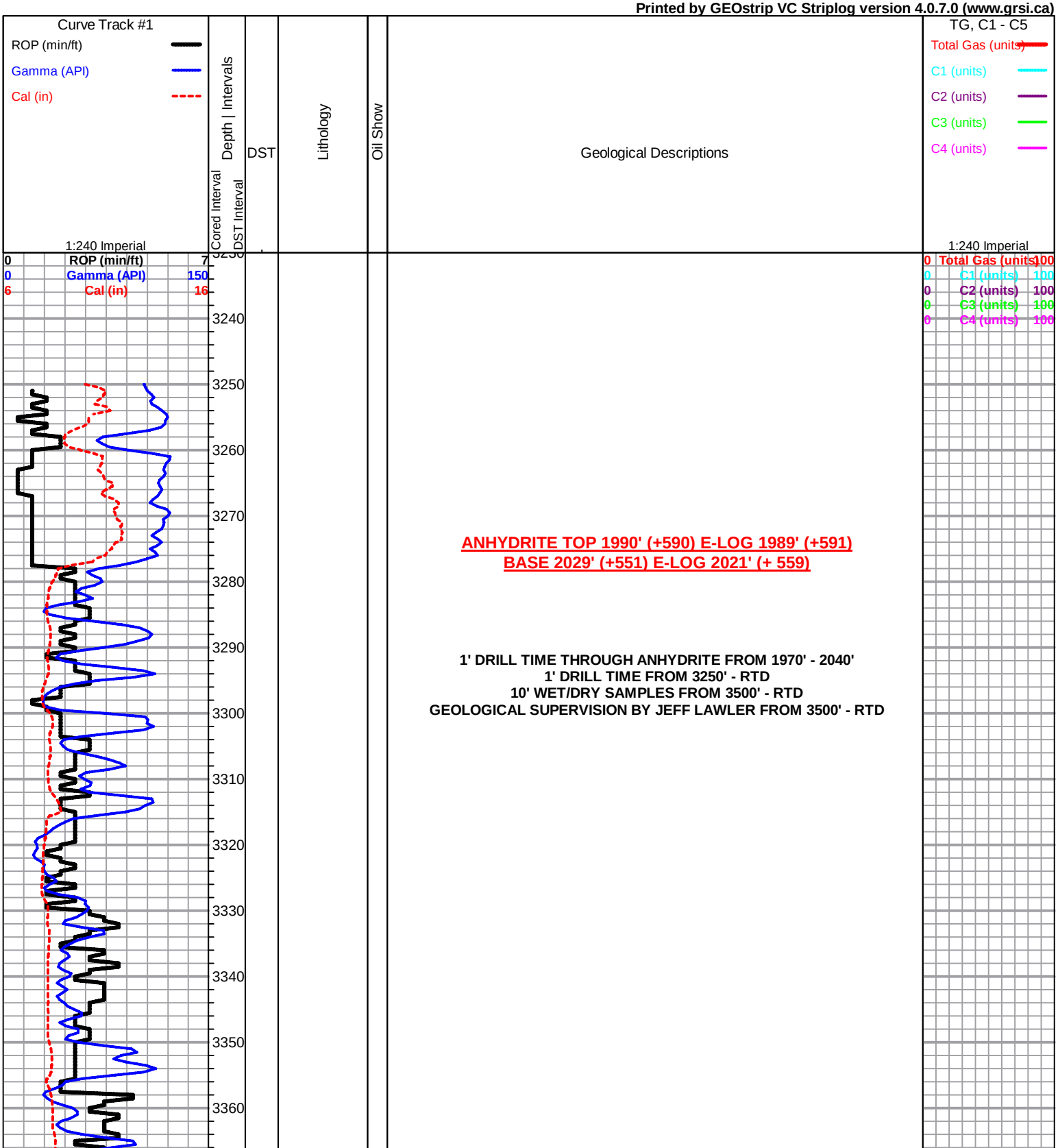
**MISC**

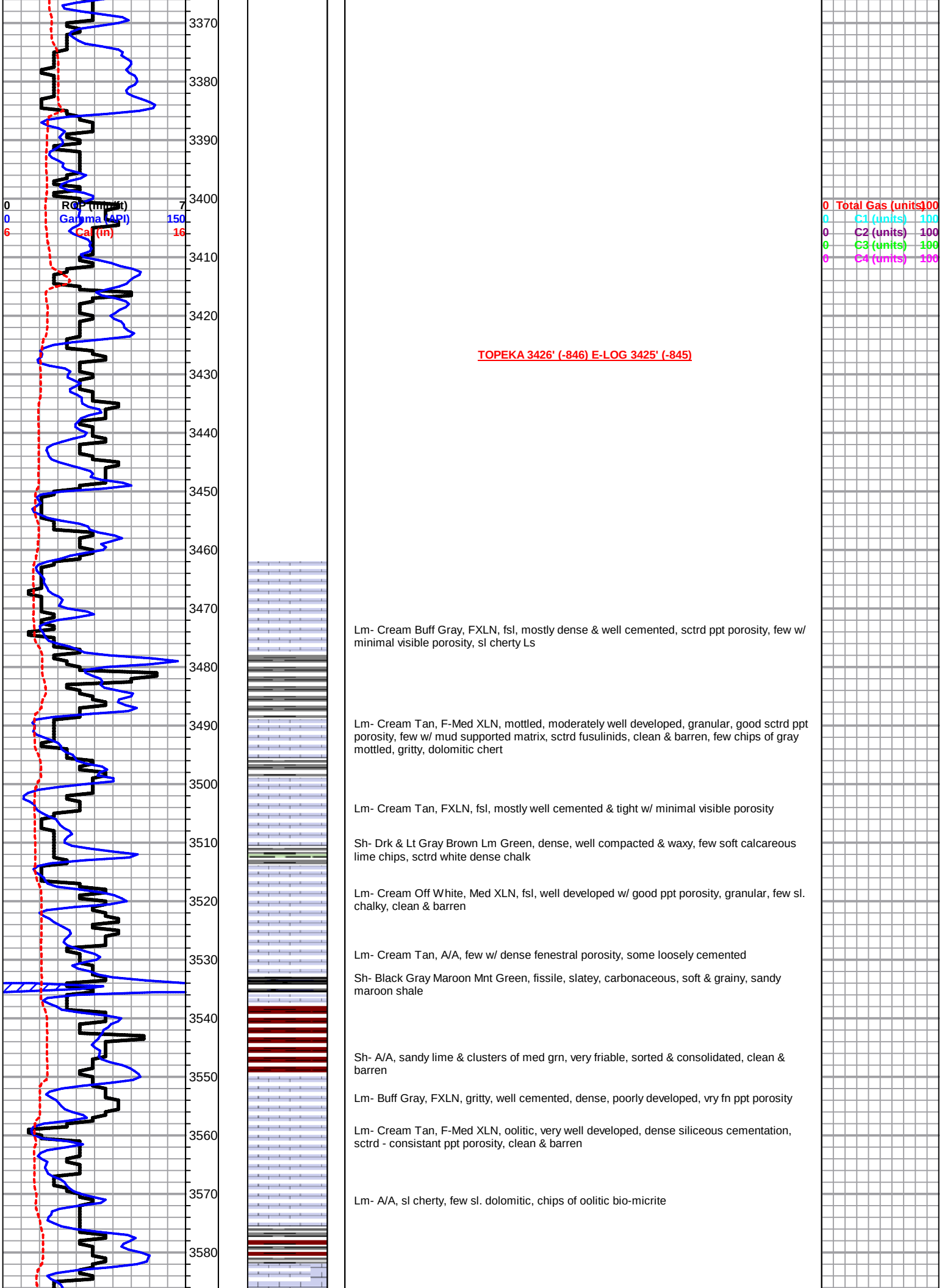
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

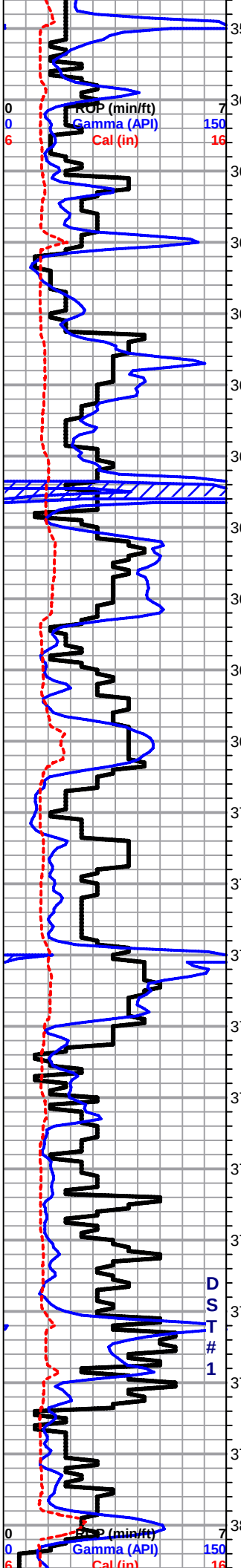
**DST**

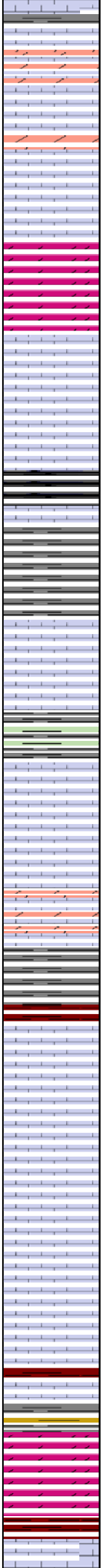
- DST Int
- DST alt
- Core






0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
3370
3380
3390
3400
3410
3420
3430
3440
3450
3460
3470
3480
3490
3500
3510
3520
3530
3540
3550
3560
3570
3580
TOPEKA 3426' (-846) E-LOG 3425' (-845)
Lm- Cream Buff Gray, FXLN, fsl, mostly dense & well cemented, sctrd ppt porosity, few w/ minimal visible porosity, sl cherty Ls
Lm- Cream Tan, F-Med XLN, mottled, moderately well developed, granular, good sctrd ppt porosity, few w/ mud supported matrix, sctrd fusulinids, clean & barren, few chips of gray mottled, gritty, dolomitic chert
Lm- Cream Tan, FXLN, fsl, mostly well cemented & tight w/ minimal visible porosity
Sh- Drk & Lt Gray Brown Lm Green, dense, well compacted & waxy, few soft calcareous lime chips, sctrd white dense chalk
Lm- Cream Off White, Med XLN, fsl, well developed w/ good ppt porosity, granular, few sl. chalky, clean & barren
Lm- Cream Tan, A/A, few w/ dense fenestral porosity, some loosely cemented
Sh- Black Gray Maroon Mnt Green, fissile, slatey, carbonaceous, soft & grainy, sandy maroon shale
Sh- A/A, sandy lime & clusters of med grn, very friable, sorted & consolidated, clean & barren
Lm- Buff Gray, FXLN, gritty, well cemented, dense, poorly developed, vry fn ppt porosity
Lm- Cream Tan, F-Med XLN, oolitic, very well developed, dense siliceous cementation, sctrd - consistant ppt porosity, clean & barren
Lm- A/A, sl cherty, few sl. dolomitic, chips of oolitic bio-micrite



Sh- Gray Off White Mnt Green White, soft, calcareous, few sl sandy & gritty, chalky

Lm/Dolomite- Cream Tan, Med-Coarse XLN, mix of sl sucrosic dolomite w/ good sctrd ppt porosity, Lm- well developed, fsl w/ oolites & fusulinids, mostly ppt w/ few small vugular porosity, clean & barren

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

Lm/Dolomite- A/A, F-Med XLN, good ppt porosity, clean & barren

Lm/Chert- Cream Smokey White, mix of granular dolomitic Ls, moderately well developed w/ gd ppt porosity and fsl bedded chert, few chips gritty & sl dolomitic

Dolomite/Lm- Cream Buff, oolitic F-Med XLN, granular dolomite, moderately developed w/ fine ppt porosity, gritty & sl granular well developed Ls w/ good consistant ppt porosity, few chips dense & well cemented w/ clear recrystallized interclasts, minimal visible porosity, alll clean & barren

Lm- Buff, FXLN, tight, minimal development & visible porosity, gritty, few sl. fsl

**HEEBNER 3652' (-1072) E-LOG 3652' (-1072)** Sh- Black Gray Lm Green Brown, fissile, carbonaceous, soft sticky argillaceous clumps, smooth gray slivers

**TORONTO 3672' (-1092) E-LOG 3673' (-1093)** Lm- Cream Off White- FXLN, dense, fsl, loosely cemented & chalky in part, gritty, minimal visible - to sctrd vry fn ppt porosity, clean & barren

Sh- Gray Lm Green Maroon Brown, soft, thin slivers, sl gritty, few chips of argilllaceous shale

**LKC 3693' (-1113) E-LOG 3694' (-1114)** Lm- Cream Tan, F-Med XLN, grangular, loosely cemented, few oolitic chips, moderately well developed, mostly consistant ppt porosity, clean & barren, sl. dolomitic, few chips of fsl bedded chert & dolomitic chert

Lm- Cream Off White, chalky, loosely cemented, sl fsl, sctrd fn ppt porosity, poorly developed

Lm- Cream Off White, FXLN, dense, poorly developed, few chips of tight FXLN dolomite, mostly tight w/ minimal visible porosity, massive, fsl, clean & barren, few chips of massive pyrite

Sh- Gray Brown Lm Green, gritty slivers, dense & well compacted

Lm- Cream Buff, FXLN, oolitic, moderately developed, sl. granular, mostly well cemented w/ sctrd fn ppt porosity, few w/ mud supported matrix & pearl shaped oolitic sphere clasts

Lm- Cream Tan, VF-FXLN, well cemented, sl. fsl, tight w/ minimal visible porosity, few chips gritty & vry sl dolomitic, few chips of fsl bedded chert

Lm- Cream Buff, FXLN, dense, well cemented, fsl w/ oolites & fusulinds, sctrd development, vry sctrd ppt porosity, densely packed small oolites w/ semi-translucent cementation, few chps of fsl bedded chert

**SHORT TRIP**
**SLOPE 1/4 dgr.**
**STRAP 3826.74**
**BOARD 3824.45**
**STRAP +2.29**

Lm- VF-FXLN, mix of A/A with few chps of gritty sl. dolomitic chert, sctrd chalk, & loosely cemented fsl Ls, all clean & barren,

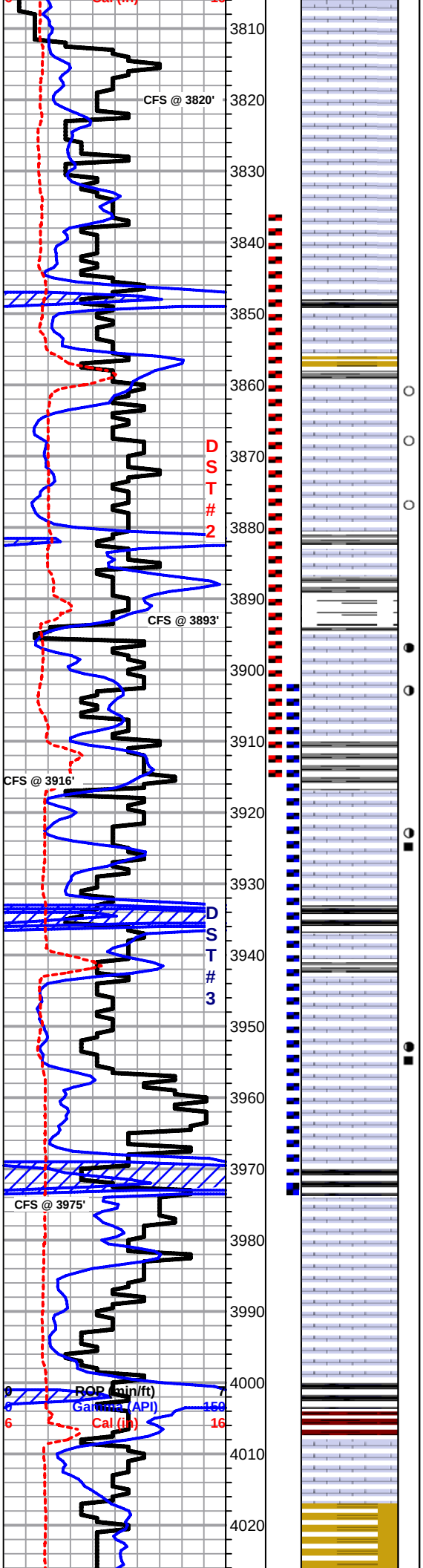
**DST #1**
**(STRADDLE)**
**LKC E&F**
**3746 - 3798**

Lm- Cream Tan, FXLN, dense, semi-brittle, chalky in part, poorly developed w/ vry sctrd fn ppt porosity, SCTRD DRK STN, VSSLSFO, LIVELY, VRY FNT ODR UPON CRUSH, DULL FLOR., SL STRM WET CUT

Dolomite- F-M XLN, moderately well developed, well cemented to very friable & sucrosic, few w/ micro visible euhedral rhombs, good consistant ppt porosity, 2-3 chps w/ BLK SCTRD STN, VSSFO, NO ODR, SL GSY SHEEN, 1-2 CHPS FINE SUCROSIC W/ BLACK STN, SFO UPON CRUSH, NO ODR, DULL FLOR, SL STRM WET CUT & HALO

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100

Lm- Cream Tan, F-M XLN, oolitic-oomoldic, partial skeletal dissolution, poor intracast




Lm- Cream Tan, F-M XLN, oolitic dolomite, partial skeletal dissolution, poor intracast connectivity, clean & barren

Lm- Off White Cream, F-Med XLN, sl. fsl w/ few sctrd oolites, mostly well cemented & poorly developed w/ minimal visible porosity, FXLN- tight, chalky in part

Lm- Gray, FXLN, brittle, tight & well cemented w/ minimal visible porosity, sctrd planar porosity, clean & barren

Lm- Cream Tan, mix of FXLN dolomitic Ls & FXLN sl fsl Ls w/ few sctrd recrystallized interclasts, dense XLN porosity, sctrd chalk

MUNCIE CREEK 3848' (-1268) E-LOG 3846' (-1266) Sh- Black Red Maroon Brown Lm Green, soft, sl. waxy, soft & earthy, few sl. unconsolidated & pebbley

Lm- Brown Tan, FXLN, mix of semi-brittle & chalky, poorly developed, mottled, LT VRY SCTRD STN, FEW GLOBULES, NO ODR, VRY DULL FLOR., NO WET CUT

Lm- Cream Off White, FXLN, well cemented, minimal visible porosity, sctrd solution veins & small vuggy porosity along edges, LT BRWN RESIDUAL STN, 1-2 CHPS W/ VSLSFO, NO ODR

DST #2
LKC H-I
3832 - 3916

Lm- Brown Tan, FXLN, brittle, minimal development, dense tight XLN porosity at best, chalky in part, VRY LT SCTRD STN, NSFO, NO ODR, VRY DULL FLOR, NO WET CUT

Sh- Gray Brown, soft slivers, sticky argillaceous clumps & gray wash

Lm- Cream FXLN, mostly dense lithofied mud matrix (no visible grains) w/ consistant interconnected fn vry fn ppt porosity w/ DRK SCTRD-SAT STN, SLSFO UPON CRUSH, mixed w/ FXLN, sl fsl, poorly developed, sctrd fn ppt porosity, clean & barren, few chips of VFXLN well cemented, tight dolomite

3916' SMPL- Lm- Cream Tan, FXLN, sl fsl, sctrd development, some w/ ppt & sctrd small vugs & whispy porosity, some w/ dense XLN porosity, all w/ SCTRD DRK BRWN STN, SOME GSY FO UPON CRUSH, FNT ODR

Lm- Cream Off White, F-Med XLN, sl. fsl & few sctrd oolites, sctrd recrystallized inclusions, mix of sl chalky & loosely cemented, & well developed w/ ppt to sctrd vuggy porosity, few chips w/ sl recrystallization w/in vugs, DRK BRWN SCTRD STN, GD GSY FO UPON CRUSH, GSY SHEEN, FNT ODR, FLOR., STRM WET CUT

DST #3
LKC J & K
3902' - 3975'

STARK SHALE 3934' (-1354) E-LOG 3932' (-1352) Sh- Black Gray Maroon, fissile & gritty, carbonaceous, semi-lithofied, soft & earthy

Lm- Cream Tan Brown, FXLN, dense, semi-brittle, tight & poorly developed, sctrd XLN porosity, few chips of chalky algal Ls

Lm- Off White Gray Brown, Med-Crse XLN, oolitic, fusulinids, well developed w/ ppt to sctrd small vuggy porosity, SCTRD GSY STN, GSY FO, GD GSY SHEEN, FR ODR, BRIGHT FLOR & INSTANT STRM WET CUT

Lm- Gray Cream Tan, FXLN, tight, semi-brittle, minimal development, sctrd micro XLN porosity, few chips of algal chalky Ls

Sh- Black Gray, abundant fissile slatey shale, sticky argillaceous gray clumps & sctrd chalk

Lm- Buff Gray Tan, FXLN, tight, minimal development, minimal visible porosity, few chips sl. fsl, few chips of algal Ls

Lm- Cream Tan, FXLN, dense, semi-brittle, tight, limited visible porosity, some mud supported matrix, loosely cemented, few sctrd fsl, some sctrd chalk

Lm- Cream, FXLN, mix of sl fsl, tight, sl chalky matrix & FXLN, dense, well cemented, tight w/ minimal visible porosity

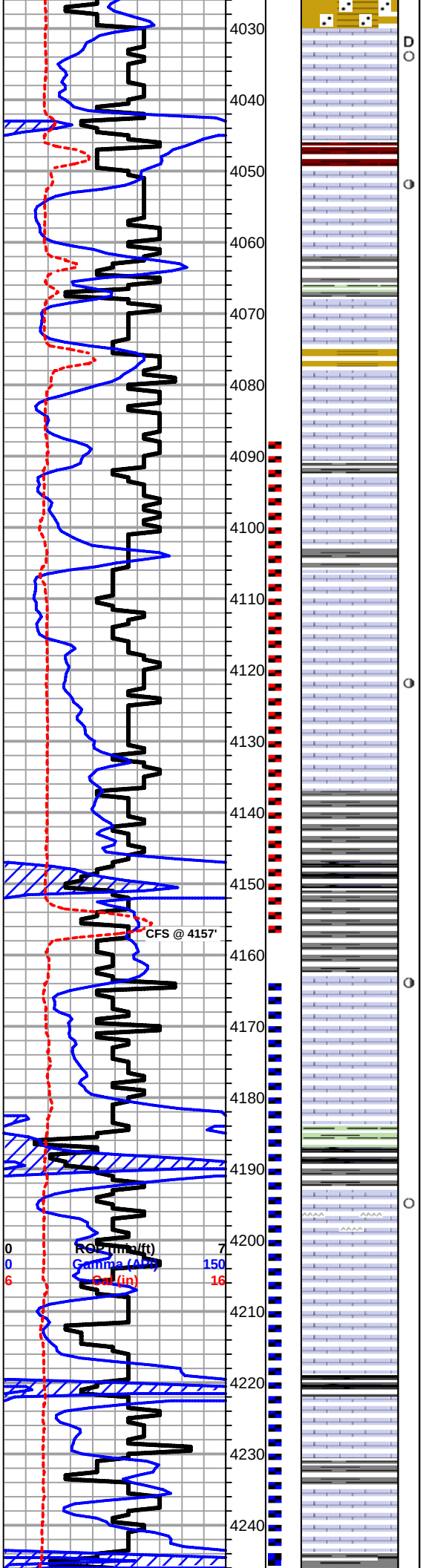
BKC 4007' (-1427) E-LOG 4000' (-1420) Sh- Black Gray Maroon, fissile, slatey, carbonaceous, soft sl. gritty lime & sticky argillaceous gray clumps

Lm- Cream Tan, FXLN & Fn Grn., mix of loosely cemented dense XLN, sl. trashy & mottled and gritty, calcareous Ls, fn grn, well cemented, few chips of mud supported, sl fsl, all clean & barren

Sh/Ss- Brown Dove Gray, dense & blocky shale, consolidated & well sorted, friable

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16






**MARMATON 4030' (-1427) E-LOG 4030' (-1427)** Lm- Cream Tan, VF-FXLN, dense, semi-brittle, mostly tight w/ rare vry fn ppt porosity, some sub-crypto XLN, few chips w/ SCTRD BLK DEAD STN, VSL SFO, NO ODR, VRY SL DULL FLOR., 1 CHP loosely cemented, STN A/A, FEW SMALL FLOATING GLOBULES UPON CRUSH W/ VRY FNT ODR

Lm- Cream Tan, FXLN, semi-brittle, mix of crypto XLN & dense fenestral porosity, tight, clean & barren

Lm- Cream Tan, FXLN, mostly very well cemented, tight w/ no-minimal visible porosity, sctrd recrystallized inclusions, few chps w/ sctrd ppt porosity along edges, recrystallization w/in, 2-3 chps w/ dense secondary porosity, loosely cemented, LT GSY STN, SL SFO UPON CRUSH, GSY ODR UPON CRUSH

Sh- Lm Green Gray Maroon Black White, soft slivers, sl gritty lime, white chalk

Lm- Cream Tan, FXLN, sl . fsl, some sub-crypto XLN, semi-brittle & well cemented, sctrd XLN porosity, tight

Lm- Cream Tan, VF-FXLN, dense, some chalky in part, mixed bag, few chips of densely packed small oolites, few chps trashy oolitic biomictrite, few crypto XLN, all clean & barren

Lm- Cream Tan, FXLN, mostly all well cemented, few w/ dense secondary XLN porosity & loosely cemented, few chips of gray XLN, tight w/o visible porosity

**PAWNEE 4113' (-1533) E-LOG 4106' (-1526)** Lm- Tan Cream, VF-FXLN, well cemented, tight w/ rare visible porosity, few chips of densely packed small oolites, sl siliceous cementation, no visble grains or porosity

**DST #4**
**PAWNEE**
**4088' - 4157'**

Lm- Cream Tan, FXLN, few sctrd chps of chalk, oolitic, mix of densely packed oolites A/A and cream oolitic, moderately developed w/ vry sctrd ppt porosity, few small XLN chps w/ dense XLN porosity (possibly fractured, semi-translucent) , VRY SCTRD LT GSY STN, 1-2 CHPS W/ GSY FO UPON CRUSH, VRY FNT ODR

Lm- Cream Tan Gray, VF-FXLN, dense, semi-brittle, very well cemented, little to no visible porosity, few chips of lt gray algal Ls, gray & black shale

Sh- Drk & Lt Gray Black, soft, sl rounded, smooth, calcareous buff pcs Lm- Gray, FXLN, well cemented, no visible grains or porosity

**LABETTE SHALE 4146' (-1566) E-LOG 4147' (-1567)** Sh- Abundant fissile carbonaceous black shale

**MYRICK STATION 4152' (-1572) E-LOG 4164' (-1584)**Lm- Cream Tan, FXLN & Fn Grn, dense, well cemented, strd oolites, minimal visible porosity, mostly tight, 1-2 chps moderately developed w/ sctrd ppt porosity w/ GD DRK SCTRD STN, VSSFO, VRY FNT ODR, mixed w/ dense algal Ls & oolitic bedded chert

Lm- Tan Buff, VF Grn, gritty, loosely cemented, calcareous, chalky in part

Sh- Black Gray Lm Green, fissile carbonaceous, sl waxy & blocky

**FT. SCOTT 4190' (-1610) E-LOG 4192' (-1612)** Lm- Cream Tan, FXLN, sctrd XLN & secondary porosity, few chps w/ planar porosity, 1-2 chps w/ VRY SCTRD LT STN, NSFO, NO ODR, several chps of oolitic smokey gray bedded chert

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

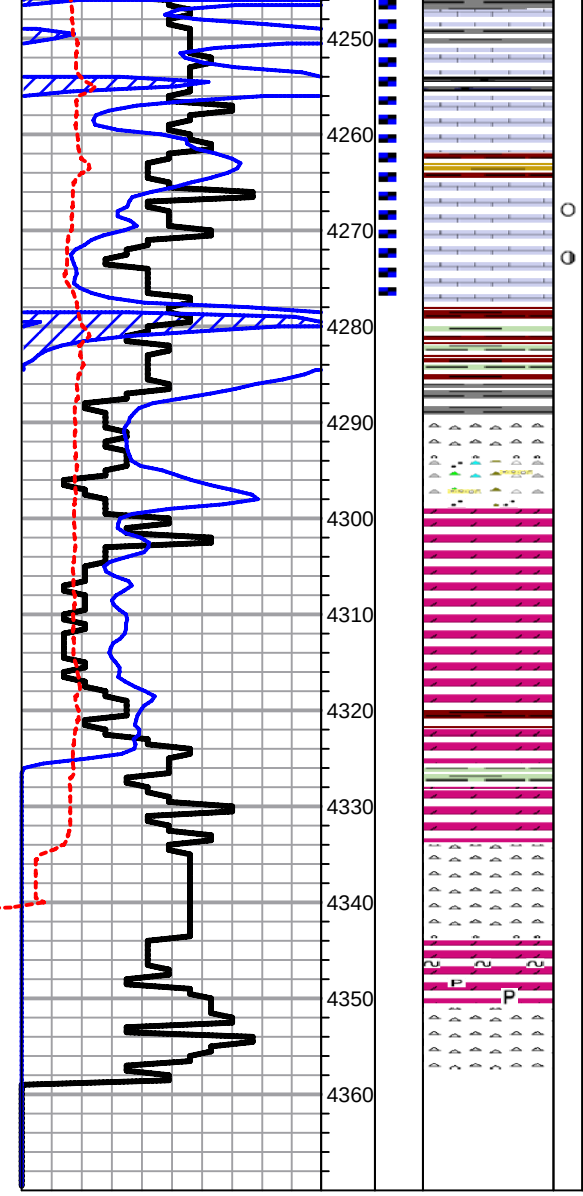
Lm- Tan Brown, VF-FXLN, dense, semi-brittle, sctrd micro XLN, few w/ dense secondary porosity, mostly tight, mixed w/ crypto XLN w/o any visible grains

**CHEROKEE SHALE 4220' (-1640) E-LOG 4219' (-1639)** Sh- Black Brown Gray, fissile carbonaceous, blocky & dense

Lm- Cream, FXLN, semi-brittle, oolitic, mix of oolitic w/ sparry cement, chalky in part, sctrd XLN and densely packed oolites w/ semi-translucent cementation, w/o visible grains or porosity

**DST #5**
**(STRADDLE)**
**MYRICK STATION**
**FT. SCOTT &**
**JOHNSON ZONE**
**4165' - 4278'**

Lm- Cream Tan, VF-FXLN, dense, well cemented, minimal to no development, few w/o visible grains, sctrd clear intraclasts, tight, w/o visible to minimal visible porosity




Lm- Cream Tan Buff, FXLN, mix of sl fsl FXLN, dense, mostly tight w/ rare sctrd fn ppt porosity, fn grn. sl chalky & dense, minimal effective porosity, & few chips of algal Ls, interbedded shale lenses

**JOHNSON ZONE 4265' (-1685) E-LOG 4265' (-1685)** Lm- Cream Tan, FXLN, tight, mostly sub-crypto XLN, sctrd micro XLN porosity, few chps sl. fsl. w/ vry sctrd fn ppt porosity, 1 chp W/ SL STN, VRY SL GSY SFO UPON CRUSH, VRY FNT ODR UPON CRUSH

Lm- Off White, FXLN, sl. oolitic, loosely cemented, moderately developed w/ sctrd vry fn ppt porosity, chalky in part, 2-3 chps w/ SCTRD LT STN, VRY MINOR GSY SFO UPON CRUSH, 4-5 CHPS W/ BLACK FLAKEY STN, VRY MINOR GSY DISSOLUTION UPON CRUSH, FNT SULPHURIC ODR UPON CRUSH

Sh- Gray Lm Green Maroon, sl unconsolidated & pebbley, striated, gritty & earthy, waxy

Chert- White Semi-Translucent Salmon, sharp angular bedded, few gritty sl. dolomitic transitions into eroded & reworked cherty conglomerate w/ waxy shales w/ few sctrd qtz inclusions

**MISSISSIPPIAN 4303' (-1723) E-LOG 4299' (-1719)** Dolomite- Off White Tan, Med XLN, massive, loosely cemented, very gritty, well developed w/ good consistant ppt porosity, clean & barren

Dolomite- Cream Off White, Med XLN, sl. conglomerate, loosely cemented & crumbley, interbedded various dark colored shales

Dolomite- A/A w/ Purple & Yellow tinted, heavily mottled, sl fsl, friable & crumbley, clean & barren, semi-translucent bedded chert chps

Dolomite- A/A, some w/ micro pyrite inclusions, more sharp angular bedded chert, few w/ pyrite inclusions, few Med XLN dolomite chips w/ large intraclast rhombs & lightly speckled w/ glauconite

Chert- White Smokey Gray, Sharp angular bedded chert, sl fsl

**RTD 4358' (-1778) LTD @ 13:30 7/26/2012**

DST #5_Page_1.jpg
DST #5_Page_3.jpg

**CHARTS BELOW INDICATE VALID STRADDLE TEST**

# DST #5_Page_1.jpg

TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS. 67601

ATTN: Jeff Lawler

**30-14s-28w Gove,KS**

**Evans A #1**

Job Ticket: 48811 **DST#: 5**

Test Start: 2012.07.27 @ 00:46:00

### GENERAL INFORMATION:

Formation: **Myric - Ft. Scott -**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:27:25
Time Test Ended: 08:29:39

Test Type: Conventional Straddle (Reset)
Tester: Will MacLean
Unit No: 40

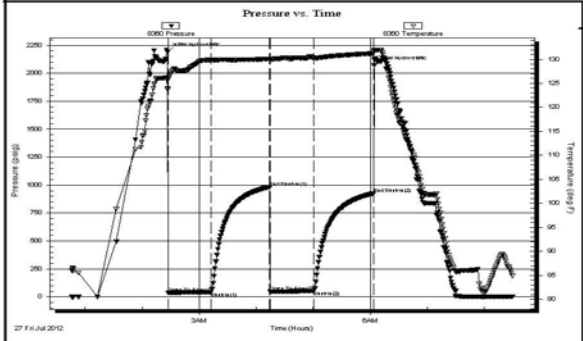
**Interval: 4165.00 ft (KB) To 4278.00 ft (KB) (TVD)**
Total Depth: 4358.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2580.00 ft (KB)
2572.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8360** **Inside**
Press@RunDepth: 52.86 psig @ 4166.00 ft (KB)
Start Date: 2012.07.27 End Date: 2012.07.27
Start Time: 00:46:00 End Time: 08:29:39

Capacity: 8000.00 psig
Last Calib.: 2012.07.27
Time On Btm: 2012.07.27 @ 02:26:55
Time Off Btm: 2012.07.27 @ 06:04:09

TEST COMMENT: IF- Weak Surface Blow Built to 2 3/4"
ISI- No Blow
FF- Very Weak Surface
FSI- No Blow




### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2188.80 | 123.74 | Initial Hydro-static |
| 1 | 38.26 | 125.87 | Open To Flow (1) |
| 46 | 44.05 | 129.89 | Shut-In(1) |
| 108 | 983.41 | 130.10 | End Shut-In(1) |
| 108 | 47.23 | 129.77 | Open To Flow (2) |
| 154 | 52.86 | 130.22 | Shut-In(2) |
| 217 | 926.32 | 131.24 | End Shut-In(2) |
| 218 | 2068.54 | 131.62 | Final Hydro-static |

### Recovery

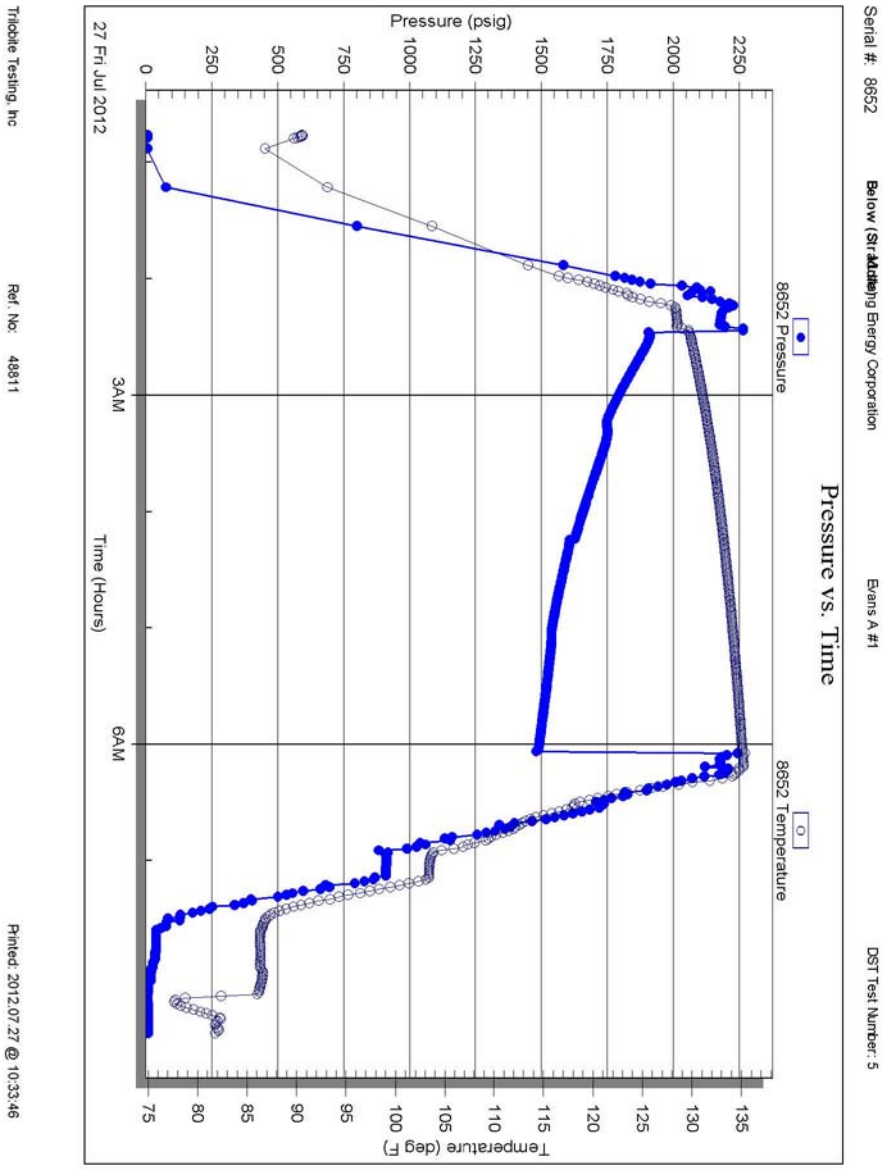
| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 40.00 | 100%m with Oil Spots | 0.29 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

### Gas Rates

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

# DST #5_Page_3.jpg



**CONSOLIDATED**
**Oil Well Services, LLC**

TICKET NUMBER 37026
LOCATION Oakley, KS
FOREMAN Kelly Ebel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

# FIELD TICKET & TREATMENT REPORT
## CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|---|---|---|---|---|---|
| 7-27-12 | | Evans A #1 | 30 | 14 | 28 | Gove KS |

CUSTOMER: Mustang Energy Corp
MAILING ADDRESS: PO Box 1121
CITY: Hays | STATE: KS | ZIP CODE: 67601

Gove South to Missouri Flats Rd 2E 1 3/4W

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---|---|---|---|
| 399 | Jerry | | |
| 528 | Cody R | | |
| | | | |
| | | | |

JOB TYPE PTA | HOLE SIZE 7 7/4 | HOLE DEPTH 4358' | CASING SIZE & WEIGHT
CASING DEPTH | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.2 | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety meeting, Rigged up on Discovery drilling, mixed cement plug & displaced down
25sks @ 2010
100sks @ 1050
40 @ 270
10 @ 40
30 RH
15 MH

Thank You
Kelly & Crew

| ACCOUNT CODE | QUANITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|---|---|---|---|---|
| 5405N | 1 | PUMP CHARGE | 1325.00 | 1325.00 |
| 5406 | 40 | MILEAGE | 5.00 | 200.00 |
| 1131 | 220sks | 60/40 Poz | 15.10 | 3322.00 |
| 1118B | 757# | Bentonite | .25 | 189.25 |
| 1107 | 55 | Flo-seal | 2.83 | 155.10 |
| 5407A | 9.46 | Ton Mileage delivery | 1.67 | 631.93 |
| 4432 | 1 | 8 5/8 Wooden Plug | 96.00 | 96.00 |
| | | | | 5919.28 |
| | | Less 10% Disc | | 591.93 |
| | | | | 5327.35 |
| | | | SALES TAX | |
| | | | ESTIMATED TOTAL | |

Ravin 3737

3:30 PM
AUTHORIZTION Cliff Mayfield TITLE Rig Pusher DATE 7-27-12

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.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 806

Cell 785-324-1041

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|---|---|---|---|---|---|---|---|
| 7-18-12 | 30 | 14 | 28 | GOVE | KANSAS | | 1:40PM |

Lease Evans A Well No. Location GOVE 10S - 1½E - 1S - W INTO

Contractor Discovery #1

Type Job Surface

Hole Size 12¼" T.D. 220'

Csg. 8⅝" Depth 220'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. Shoe Joint 15'

Meas Line Displace 13 BLS

Owner Mustang Energy

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Mustang Energy

Street PO Box 1121

City Hays State KS, 67601

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150% com 3% cc - 2% gel

**EQUIPMENT**

Pumptrk #15 No. Cementer Helper Nick

Bulktrk #12 No. Driver Driver Doug

Bulktrk P/U No. Driver Driver Cisco

**JOB SERVICES & REMARKS**

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Cement Did Circulate

THANK YOU

X Signature Cliff Mayfield

| | |
|---|---|
| Common | 150 |
| Poz. Mix | |
| Gel. | 3 |
| Calcium | 5 |
| Hulls | |
| Salt | |
| Flowseal | |
| Kol-Seal | |
| Mud CLR 48 | |
| CFL-117 or CD110 CAF 38 | |
| Sand | |
| Handling | 153 |
| Mileage | |

**FLOAT EQUIPMENT**

| | |
|---|---|
| Guide Shoe | |
| Centralizer | |
| Baskets | |
| AFU Inserts | |
| Float Shoe | |
| Latch Down | |
| Pumptrk Charge | Surface |
| Mileage | 39 |
| Tax | |
| Discount | |
| Total Charge | |

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

Kansas
Corporation Commission

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



October 24, 2012

Rod Brin
Mustang Energy Corporation
PO BOX 1121
HAYS, KS 67601

Re: ACO1
API 15-063-22009-00-00
Evans A 1
SW/4 Sec.30-14S-28W
Gove 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,
Rod Brin