Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1184669

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 # 32016
Name: Wells, Rodger D. dba Pioneer Resources
Address 1: 80 WINDMILL DR.
Address 2:
City: PHILLIPSBURG State: KS Zip: 67661 + __ __ __ __
Contact Person: Rodger Wells
Phone: ( 785 ) 543-5556
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Steven P, Murphy
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 #:

| 08/10/2013 | 08/18/2013 | 08/18/2013 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-063-22119-00-00
Spot Description:
NE - SW - NE - SE Sec. 7 Twp. 14 S. R. 31 ☐ East ☑ West
1800 Feet from ☐ North / ☑ South Line of Section
745 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: RAILROAD Well #: 4
Field Name:
Producing Formation: Topeka through Mississippian
Elevation: Ground: 2868 Kelly Bushing: 2872
Total Vertical Depth: 4590 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

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**

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
**ALT** ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 01/28/2014

[redacted] 1184669

Operator Name: Wells, Rodger D. dba Pioneer Resources Lease Name: RAILROAD Well #: 4

Sec. 7 Twp. 14 S. R. 31 ☐ 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:

Neutron/Compensated Density, Dual Induction & Microlog

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

| Name | Top | Datum |
|---|---|---|
| Anhydrite | -2364 | +508 |
| Heebner | -3869 | -997 |
| Lansing | -3910 | -1038 |
| Pawnee | -4358 | -1486 |
| Ft. Scott | -4414 | -1542 |
| Mississippian | -4546 | -1674 |

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 | 12 | 8.625 | 23 | 220 | Common | 160 | 2% gel 3% 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**

# ALLIED OIL & GAS SERVICES, LLC 061304

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley
8-18-13

| DATE 8-17-13 | SEC. 7 | TWP. 14S | RANGE 31W | CALLED OUT | ON LOCATION | JOB START 4:00 AM | JOB FINISH 5:00 AM |
|---|---|---|---|---|---|---|---|
| LEASE Railroad | WELL # 4 | | LOCATION Oakley 20S 2E 2N 3/4E sinto | | | COUNTY Gove | STATE KS |
| OLD OR (NEW) (Circle one) | | | | | | | |

CONTRACTOR WTW 12
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 4590
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 2350
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER same

CEMENT
AMOUNT ORDERED 205 sks 60/40 4%gel 1/4 Flo-seal

| | | | |
|---|---|---|---|
| COMMON | 123 sks | @ 17.90 | 2201.70 |
| POZMIX | 82 sks | @ 9.25 | 758.50 |
| GEL | 7 sks | @ 23.40 | 163.80 |
| CHLORIDE | | @ | |
| ASC | | @ | |
| | | @ | |
| Flo-seal | 51# | @ 2.97 | 151.47 |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| HANDLING | 220.16 cu/ft | @ 2.48 | 545.99 |
| MILEAGE | 2.160 ton/mile | 9.1970 | 597.35 |
| | | TOTAL | 4422.01 |

EQUIPMENT

PUMP TRUCK # 422 CEMENTER Andrew Forstrom
HELPER Tyler Flipse
BULK TRUCK # 396 DRIVER David Scariano
BULK TRUCK # DRIVER

REMARKS:

25 sks @ 2350'
100 sks @ 1390'
40 sks @ 240'
10 sks @ 40'
30 sks Rat hole

Thank You

SERVICE

DEPTH OF JOB 2350
PUMP TRUCK CHARGE 2483.59
EXTRA FOOTAGE @
MILEAGE 25 miles @ 7.20 180.00
MANIFOLD @
Light vehicle @ 4.40 110.00
@
TOTAL 2786.09

CHARGE TO: Pioneer Resources
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

| | | | |
|---|---|---|---|
| 1 Dry hole plug | | @ | 102.64 |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | TOTAL | 102.64 |

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 7,320.74
DISCOUNT 1,683.77 IF PAID IN 30 DAYS
5,636.96 Net.

PRINTED NAME Andrew Forstrom
SIGNATURE

# ALLIED OIL & GAS SERVICES, LLC 061304

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Ogallay
8-18-13

| DATE 8-17-13 | SEC. 7 | TWP. 14S | RANGE 31W | CALLED OUT | ON LOCATION | JOB START 4:00 AM | JOB FINISH 5:00 AM |
|---|---|---|---|---|---|---|---|
| LEASE Railroad | WELL # 4 | | LOCATION Ogallay 20S 2E 2N | | | COUNTY Gove | STATE KS |
| OLD OR NEW (Circle one) | | | 3/4 E into | | | | |

CONTRACTOR WTW 12
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 4590
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 2350
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER same

CEMENT
AMOUNT ORDERED 205 sks 4% gel 1/4# Flo-seal

| | | | |
|---|---|---|---|
| COMMON | 123 sks | @ 17.90 | 2201.70 |
| POZMIX | 82 sks | @ 9.35 | 766.70 |
| GEL | 7 sks | @ 23.40 | 163.80 |
| CHLORIDE | | @ | |
| ASC | | @ | |
| | | @ | |
| Flo-seal | 51# | @ 2.97 | 151.47 |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| HANDLING | 220.16 cu/ft | @ 2.48 | 545.99 |
| MILEAGE | 2.160 Ton/mile | 9.1970 | 597.35 |
| | | TOTAL | 4427.01 |

EQUIPMENT

PUMP TRUCK # 422 CEMENTER Andrew Forslund
HELPER Tyler Flipse
BULK TRUCK # 396 DRIVER David Scariano
BULK TRUCK # DRIVER

REMARKS:

25 sks @ 2350'
100 sks @ 1590'
40 sks @ 240'
10 sks @ 40'
20 sks Rathole

Thank you

SERVICE

| | | | |
|---|---|---|---|
| DEPTH OF JOB | 2350 | | |
| PUMP TRUCK CHARGE | | | 2483.59 |
| EXTRA FOOTAGE | | @ | |
| MILEAGE | 25 miles | @ 7.20 | 192.50 |
| MANIFOLD | | @ | |
| Light vehicle | | @ 4.40 | 110.00 |
| | | @ | |
| | | TOTAL | 2786.09 |

CHARGE TO: Pioneer Resources
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

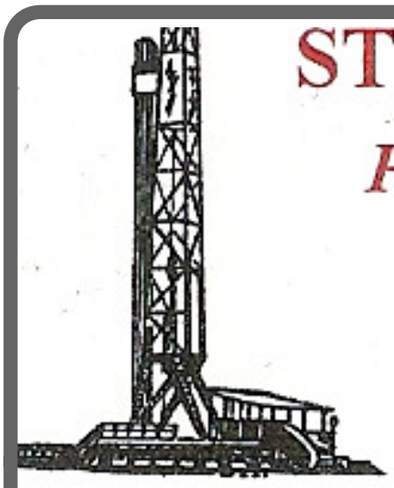
| | | | |
|---|---|---|---|
| 1 Dry hole plug | | @ | 107.64 |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | TOTAL | 107.64 |

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Calvin Hanneschlad

SIGNATURE

SALES TAX (If Any)
TOTAL CHARGES 7,320.74
DISCOUNT 1,683.77 IF PAID IN 30 DAYS
5,636.96 Net.




# STEVEN P. MURPHY, P.G.

*Petroleum Geologist (KS #228)*

RR#1, Box 69
Otis, Kansas 67565
geomurphy@gbta.net

Cell 620.639.3030
Fax 785.387.2400


**Scale 1:240 (5"=100') Imperial**
**Measured Depth Log**

| | |
|---|---|
| **Well Name:** | **Railroad #4** |
| **Location:** | **Gove County** |
| **License Number:** | **API # 15-109-22119-00-00** |
| **Region:** | **Kansas** |
| **Spud Date:** | **8/10/13** |
| **Drilling Completed:** | **8/18/13** |
| **Surface Coordinates:** | **1800' FSL & 745' FEL (NE SW E SE) Section 7-T14S-R31W** |
| **Bottom Hole Coordinates:** | **Vertical well w/minimal deviation** |
| **Ground Elevation (ft):** | **2864'** |
| **K.B. Elevation (ft):** | **2872'** |
| **Logged Interval (ft):** | **3500' To: TD** |
| **Total Depth (ft):** | **4590'** |
| **Formation:** | **Topeka through Mississippian** |
| **Type of Drilling Fluid:** | **Chemical (Mudco, Inc)** |



## OPERATOR

**Company:** Pioneer Resources
**Address:** 80 Windmill Drive
Phillipsburg, KS 67661-9622

## GEOLOGIST

**Name:** Steven P. Murphy, PG (Ks License #339)
**Company:** Consulting Petrolrum Geologist
**Address:** 3365 CR 390
Otis, KS 67565

## LogTops (Datum)

**The open-hole logging was performed by Gemini Wireline (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction & Microlog.**

**Formation tops and datums from the open-hole logs include the following:**

**Anhydrite Top - 2342 (+530)**
**Anhydrite Base - 2364 (+508)**
**Heebner - 3869 (-997)**
**Toronto - 3890 (-1018)**
**Lansing - 3910 (-1038)**
**Muncie Creek Sh - 4070 (-1198)**
**Stark Sh - 4158 (-1286)**
**Hushpuckney Sh - 4194 (-1322)**
**Base KC - 4235 (-1363)**
**Pawnee 4358 (-1486)**
**Ft. Scott - 4414 (-1542)**
**Cherokee Sh - 4442 (-1570)**
**Johnson Zone - 4486 (-1614)**
**Morrow Sh - 4507 (-1635)**
**Mississippian - 4546 (-1674)**

## DSTs

**Drillstem testing was performed by Trilobite Testing (Scott City shop). The following are the results of DSTs:**

**DST #1 3934-3970 (LKC C-D)**
**45:45:45:45**
**IF: 1" blow, no return**
**FF: No blow, no return**
**Recovery: 70' WM (95% M, 5%W)**
**IHP: 1890 FHP: 1817**
**IFP: 19-36 ISIP: 885**
**FFP: 39-50 FSIP: 858**
**BHT - 114 F**
**Chlorides - 6,100 ppm**

**DST #2 4500-4540 (Morrow Sst)**
**19:30:15:30**
**IF: Surf blow died in 16 min, no return**
**FF: No blow, no return**
**Recovery: 5' Mud**
**IHP: 2266 FHP: 2200**
**IFP: 20-23 ISIP: 775**
**FFP: 25-27 FSIP: 622**
**BHT - 122 F**

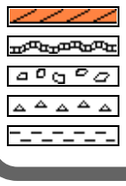
## COMMENTS

**Based the negative results of drillstem tests, and sample & log analysis, it was recommended that this test be plugged at a RTD of 4590'.**

**Respectfully submitted,**

**Steven P. Murphy, PG (KS License #228)**
**Consulting Petroleum Geologist**

## ROCK TYPES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Brec
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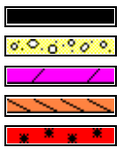
Clyst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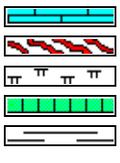
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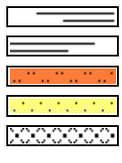
Salt
Shale


Shcol
Shgy
Sltst
Ss
Till

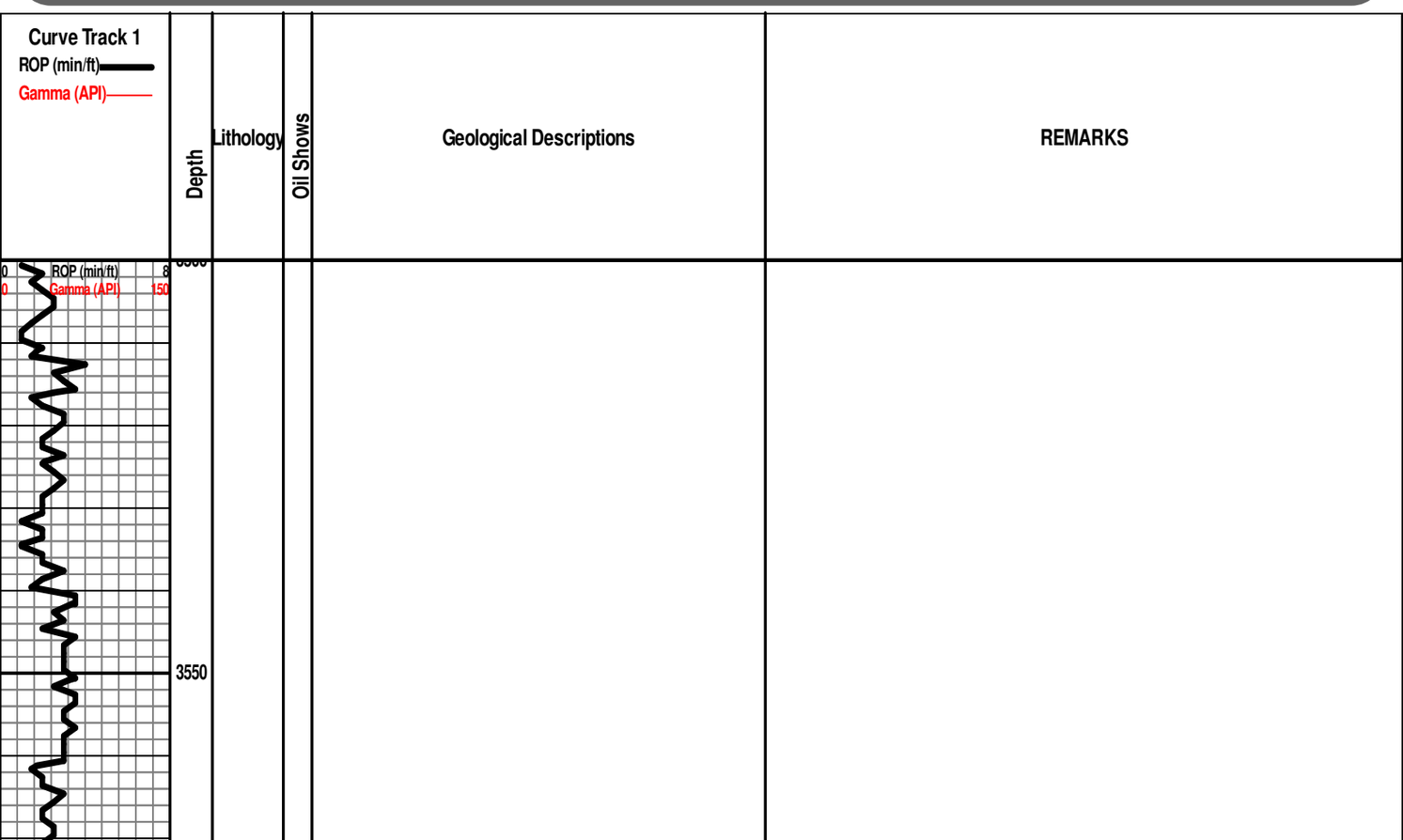
## OTHER SYMBOLS

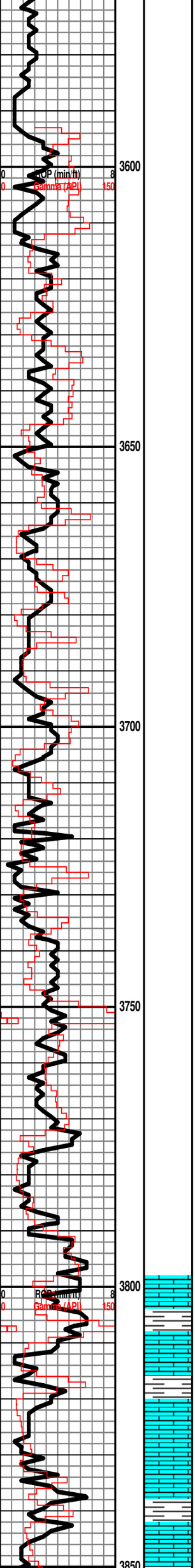
**OIL SHOW**
Even
Spotted
Ques


Dead
Gas

**INTERVAL**
Core
Dst

**EVENT**
Conn
Rft
Sidewall






LS: crm-tan-brn, fxln, oolitic, sl foss, minor chert, tight, NS

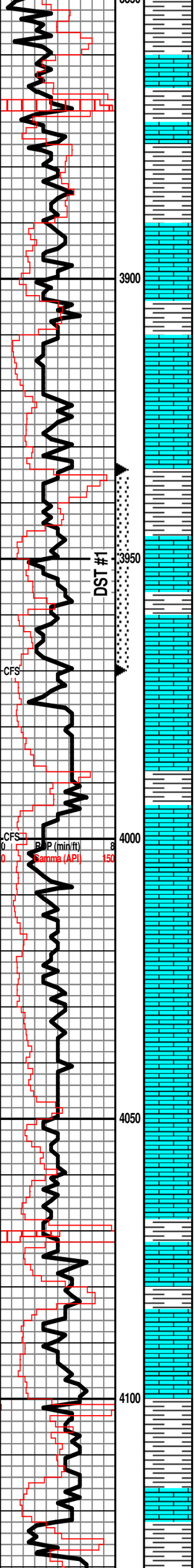
SH: blk, carb

LS: crm-tan, fxln, foss, chalky, dense, NS

LS: crm-tan, vfxln, dense, sl foss, sl chalky, NS

LS: crm-tan, vfxln, dense, sl foss, oolitic, NS

LS: crm-tan, fxln, sl foss, oolitic in pt, minor chert, fr inxln por, NS (w/assoc gry-grn-brn shales)




LS: crm-tan-gry, fxln, sl foss, oolitic, fr-gd inter-ool por, NS

**HEEBNER 3870 (-998)**

SH: blk, carb

SH: gry-grn-blk-rust

**TORONTO 3891 (-1019)**

LS: wht-tan-gry, vfxln, sl foss, ool in part, dense, NS

SH: gry-grn-brn

**LANSING 3911 (-1039)**

LS: wht-crm, f-vfxln, oolitic, sl foss, dense, sl chalky, NS

LS: crm-gry, fxln, oolitic, dense, minor chert, NS

LS: as above

SH: gry-brn-blk-red

LS: crm-tan, fxln, oolic in pt, much dense, vssfo, spotty stn, sl odor

LS: wht-tan, fxln, oolic, sl foss, f-gd vug por, ssfo, spotty stn, fr odor

LS: crm-tan, vfxln, dense, w/abund red-gry-grn shales

LS: crm-gry, vfxln, dense, sl chalky, NS

LS: crm-brn, vxln, dense, sl foss, cherty, NS (sl odor)

SH: gry-brn-grn-red

LS: crm-gry, f-vfxln, mostly dense, rare pr inxln por, vssfo, sl stn, sl odor

LS: crm-tan-gry, vfxln, dense, sl chalky, NS

LS: crm-tan-gry, vfxln, dense, sl chalky, NS

LS: crm-tan-gry, vfxln, dense, sl chalky, NS

LS: as above

LS: as above

**MUNCIE CRK 4074 (-1202)**

LS: crm-gry, vfxln, dense, sl oolitic, cherty, tr fo, sl to spotty stn, sl odor

LS: crm-gry, vfxln, dense, minor chert, NS

SH: gry-blk-brn

LS: crm-tan-gry, vfxln, dense, sl chalky, NS

LS: as above

SH: grn-brn-blk-rust

Strap @ 3970' - 1.64' short to board
Survey @ 3970' - 3/4 deg

DST #1 3934-3970 (LKC C-D)
45:45:45:45
IF: 1" blow, no return
FF: No blow, no return
Recovery: 70' WM (95% M, 5%W)
IHP: 1890 FHP: 1817
IFP: 19-36 ISIP: 885
FFP: 39-50 FSIP: 858
BHT - 114 F
Chlorides - 6,100 ppm

NOTE: Multicolored shale caving

Shale caving

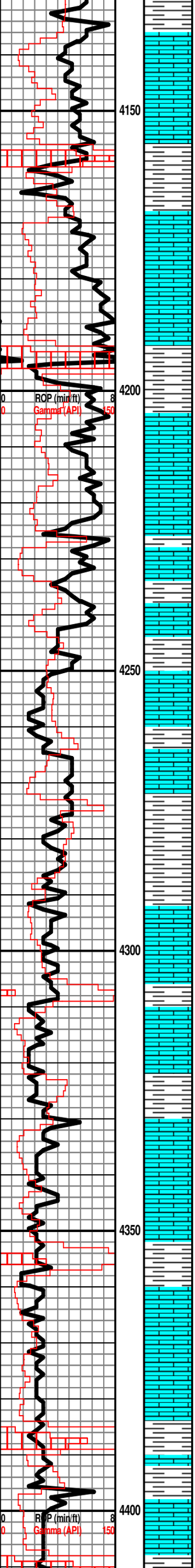
Shale caving

Shale caving

Jet pit

Shale caving

good samples again




LS: crm-gry, vfxln, dense, NS

LS: as above

**STARK 4159 (-1287)**
SH: blk, carb

LS: crm-tan-gry, vfxln, v. dense, NS

LS: as above

**HUSHPUCKNEY 4195 (-1323)**
SH: blk, carb

LS: crm-brn-gry, vfxln, v. dense, NS

LS: as above

**BKC 4233 (-1361)**
SH: gry-brn-blk-grn-red

LS: crm-gry, vfxln, dense, NS

SH: gry-grn-brn-red

SH: as above

LS: crm-gry, vfxln, dense, sl chalky, NS

SH: gry-blk-grn-red-rust (sl sandy)

SH: as above

SH: as above

SH: as above

SH: as above

LS: crm-gry, vfxln, dense, minor chert, NS

LS: crm-tan, vfxln, dense, NS (shale flood)

**PAWNEE**

LS: as above (shale flood)

LS: crm-tan, vfxln, dense, NS (shale flood)

LS: as above (shale flood)

**MYRICK STATION**

SH: blk-gry-grn-red

Red shale cavings

Shale cavings

Shale flood: red-grn-blk-gry

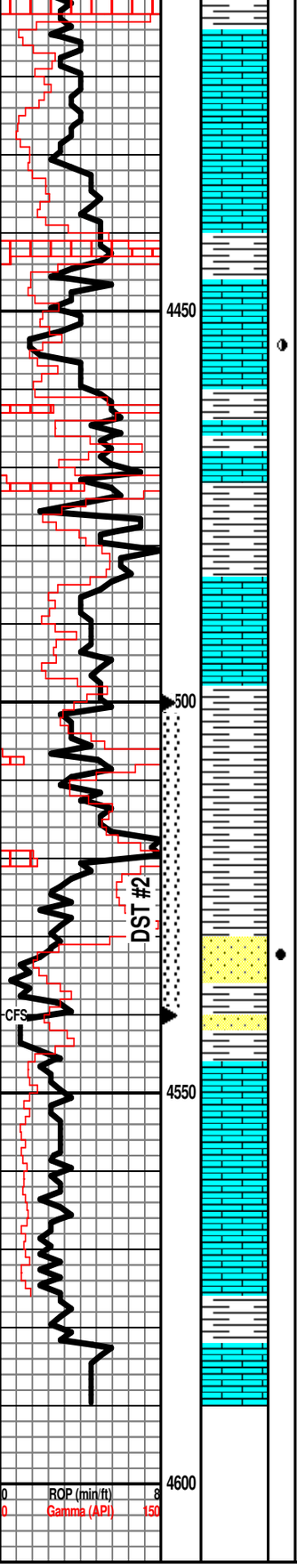
Shale flood: as above

Shale flood: as above

Shale flood: as above

Add Mud

Shale flood: as above




FT SCOTT 4420 (-1548)

LS: wht-brn, vfxln, dense, NS (shale flood)

LS: crm-tan-brn, vfxln, oolitic, dense, NS

LS: as above

CHEROKEE 4444 (-1572)

SH: blk, carb

LS: tan-brn, f-vfxln, mostly dense, rare fr inxln por, nsfo, spotty dead stn, sl odor

LS: tan-brn, vfxln, dense, NVP, NS

SH: blk-gry

SH: as above

JOHNSON 4485 (-1613)

LS: crm-tan-brn, vfxln, oolitic, nsfo, tr dead stn, no odor

LS: crm-brn-gry, vfxln, sl oolitic, sl foss, dense, NVP, NS w/abund gry-blk shale

MORROW SHALE

SH: grn-brn-gry-blk-yel

SH: as above

Sst: clr clusters, f-mgr, prly std, sub-ang, friable-firm, gd inter-gran por, fsfo, even sat stn (some dead stn), fr odor

MISSISSIPPIAN

LS: wht-tan, vfxln, dense, chalky, grainy text, cherty, NS

LS: crm-tan-gry, vfxln, dense, chalky, minor chert, NS

LS: as above

SH: blk-gry

LS: wht-tan, vfxln, sl chalky, pelletal, dense, NS

RTD - 4590'

Shale flood: as above

DST #2 4500-4540 (Morrow Sst)
19:30:15:30
IF: Surf blow died in 16 min, no return
FF: No blow, no return
Recovery: 5' Mud
IHP: 2266 FHP: 2200
IFP: 20-23 ISIP: 775
FFP: 25-27 FSIP: 622
BHT - 122 F