



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1162025  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1162025

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

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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](mailto: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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	Worcester 1-26
Doc ID	1162025

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction Log
Microresistivity Log
Borehole Compensated Sonic Log

# GEOLOGIC REPORT

## DAVID J. GOLDAK

WICHITA, KANSAS  
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Worcester #1-26  
Location: Section 26 - T7S - R22W  
License Number: API: 15-065-23945  
Spud Date: 06 / 20 / 2013  
Surface Coordinates: 1008' FNL and 2310' FWL  
Approx. SE - NE - NW  
Region: Graham Co., KS  
Drilling Completed: 06 / 27 / 2013  
Bottom Hole Coordinates:  
Ground Elevation (ft): 2244' K.B. Elevation (ft): 2249'  
Logged Interval (ft): 3000' To: 3900' Total Depth (ft): 3900'  
Formation: Arbuckle  
Type of Drilling Fluid: Chemical - Mud Co

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: Carmen Schmitt, Inc.  
Address: PO Box 47  
Great Bend, KS 67530

### GEOLOGIST

Name: David J. Goldak  
Company: D. J. GOLDAK, INC.  
Address: 155 N. Market, Suite 710  
Wichita, Kansas 67202

### General Info

CONTRACTOR: Murfin Drilling, Rig #8

#### BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	HTC-MXC	15-15-15	218	218	2.50
2	7-7/8	HTC-GX20C	15-15-15	3505	3287	50.50
3	7-7/8	HTC-GX20C	15-15-15	3900	395	15.25

SURVEYS: 218'-0.75, 3505'-0.75, 3900'-1.25

#### GENERAL DRILLING & PUMP INFORMATION:

Pumping 63 S/M, 7.7 B/M, with 800 psi at the standpipe.  
Drilling with 35,000-38,000 lbs on bit, at 70-80 RPM.  
Drilling with 9 stands collars: 546.04'

## Daily Status

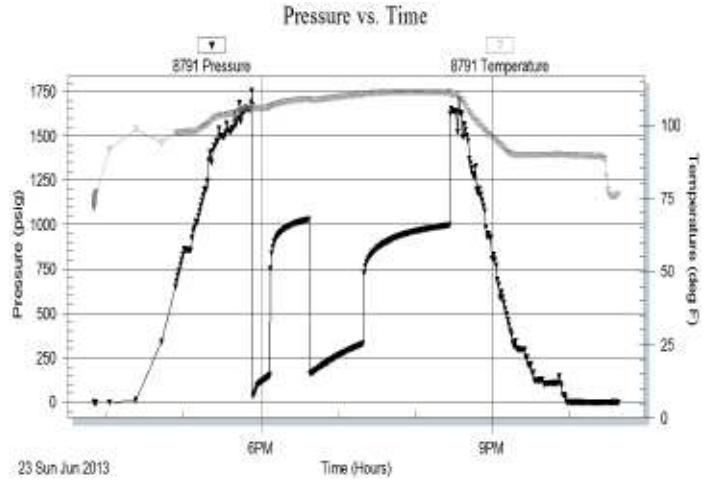
06/20/13 - Spud at 2:45 PM; Set 8-5/8" Csg at 218'  
06/21/13 - 690' Drilling  
06/22/13 - 2,475' Drilling; Displace mud @ 2,955'  
06/23/13 - 3,435' Drilling; DST #1 @ 3,505'  
06/24/13 - 3,524' DST #2; DST #3 @ 3,557'  
06/25/13 - 3,590' Drilling; DST #4 @ 3,645'  
06/26/13 - 3,674' CTCH after DST #5; RTD @ 3,900'  
06/27/13 - 3,900' Plugging; Completed logging @ 2:00 AM

**DST #1: 3,445' - 3,505' (Toronto & LKC 'A')**  
15" - 30" - 45" - 60"

IF: Good blow, building to BOB in 7 minutes  
ISI: No blow back  
FF: Good blow, building to BOB in 9 minutes  
FSI: No blow back

RECOVERY: 640' Total Fluid, consisting of:  
20' OCMW (25% O, 25% W, 50% M)  
186' WCM (30% W, 70% M)  
434' MCW (80% W, 20% M); Chlorides: 40,000 ppm

SIP: 1029-996; FP: 33-154, 160-328; HP: 1752-1707  
BHT: 110

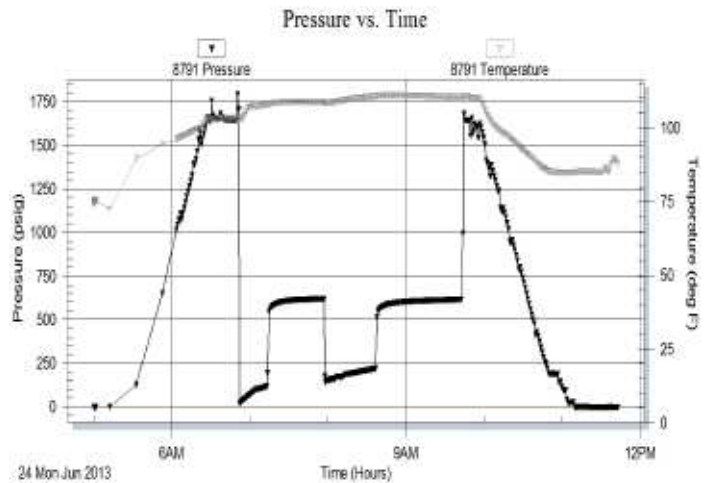


**DST #2: 3,494' - 3,524' (LKC 'B')**  
15" - 30" - 45" - 60"

IF: Fair blow, building to 3-1/2 inches  
ISI: No blow back  
FF: Fair blow, building to 8 inches  
FSI: No blow back

RECOVERY: 397' Total Fluid, consisting of:  
25' OSMCW (80% W, 20% M)  
62' WCM (20% W, 80% M)  
310' MCW (95% W, 5% M); Chlorides: 25,000 ppm

SIP: 619-614; FP: 19-118, 142-218; HP: 1789-1680  
BHT: 108

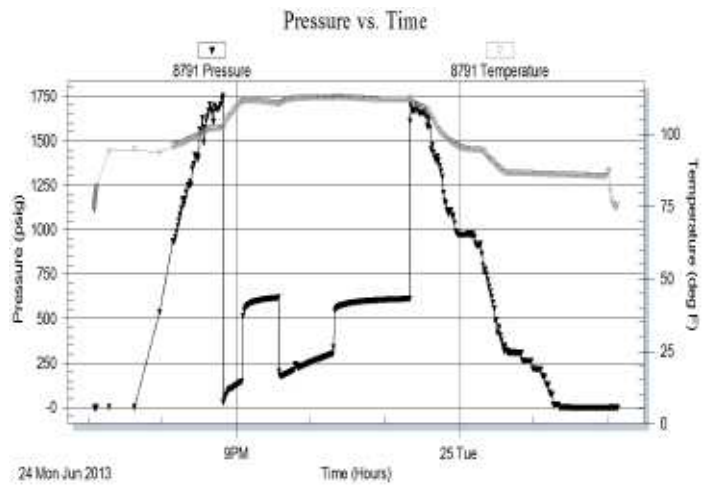


**DST #3: 3,537' - 3,557' (LKC 'E-F')**  
 15" - 30" - 45" - 60"

**IF:** Good blow, building to BOB in 8 minutes  
**ISI:** No blow back  
**FF:** Fair blow, building to BOB in 20 minutes  
**FSI:** No blow back

**RECOVERY:** 37' GIP & 459' Total Fluid, consisting of:  
 87' G&WCO (5% G, 85% O, 10% W)  
 62' G&OCW (30% G, 20% O, 50% W)  
 310' OCMW (28% O, 62% W, 10% M)

**SIP:** 617-611; **FP:** 28-147, 175-303; **HP:** 1749-1699  
**BHT:** 112

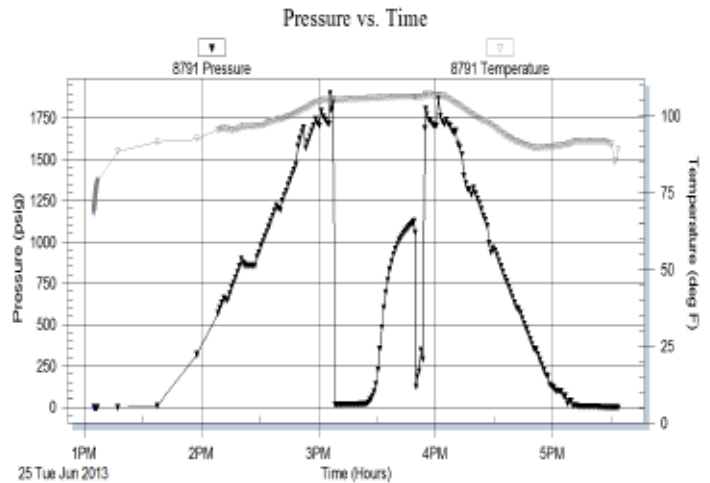


**DST #4: 3,610' - 3,645' (LKC 'I-J')**  
 15" - 30" - 5" - 0"

**IF:** Weak blow, died in 1 minute  
**ISI:** No blow back  
**FF:** Weak surge, no blow

**RECOVERY:** 5' Total Fluid, consisting of:  
 5' OSM (100% M)

**SIP:** 1124; **FP:** 15-19; **HP:** 1896-1805; **BHT:** 107  
**Note:** FF plugging - no data

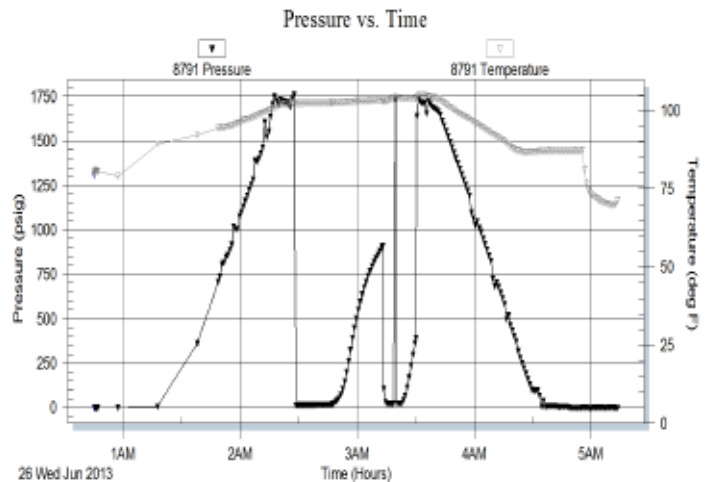


**DST #5: 3,640' - 3,674' (LKC 'K-L')**  
 15" - 30" - 5" - 5"

**IF:** Weak blow, died in 9 minute  
**ISI:** No blow back  
**FF:** Weak surge, no blow, flush tool, no blow  
**FSI:** No blow back

**RECOVERY:** 5' Total Fluid, consisting of:  
 5' Mud (100% M)

**SIP:** 908-387; **FP:** 13-19, 22-24; **HP:** 1759-1735  
**BHT:** 103



**ROCK TYPES**

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Slstt
- Ss
- Till
- Carb sh
- Dol
- Dtd
- Gry sh

- Sandylms
- Shale
- Slststn
- Shlyslts
- Sltysh
- Lms

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

#### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### OTHER SYMBOLS

#### POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

#### SORTING

- Well
- Moderate
- Poor

#### ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

#### OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

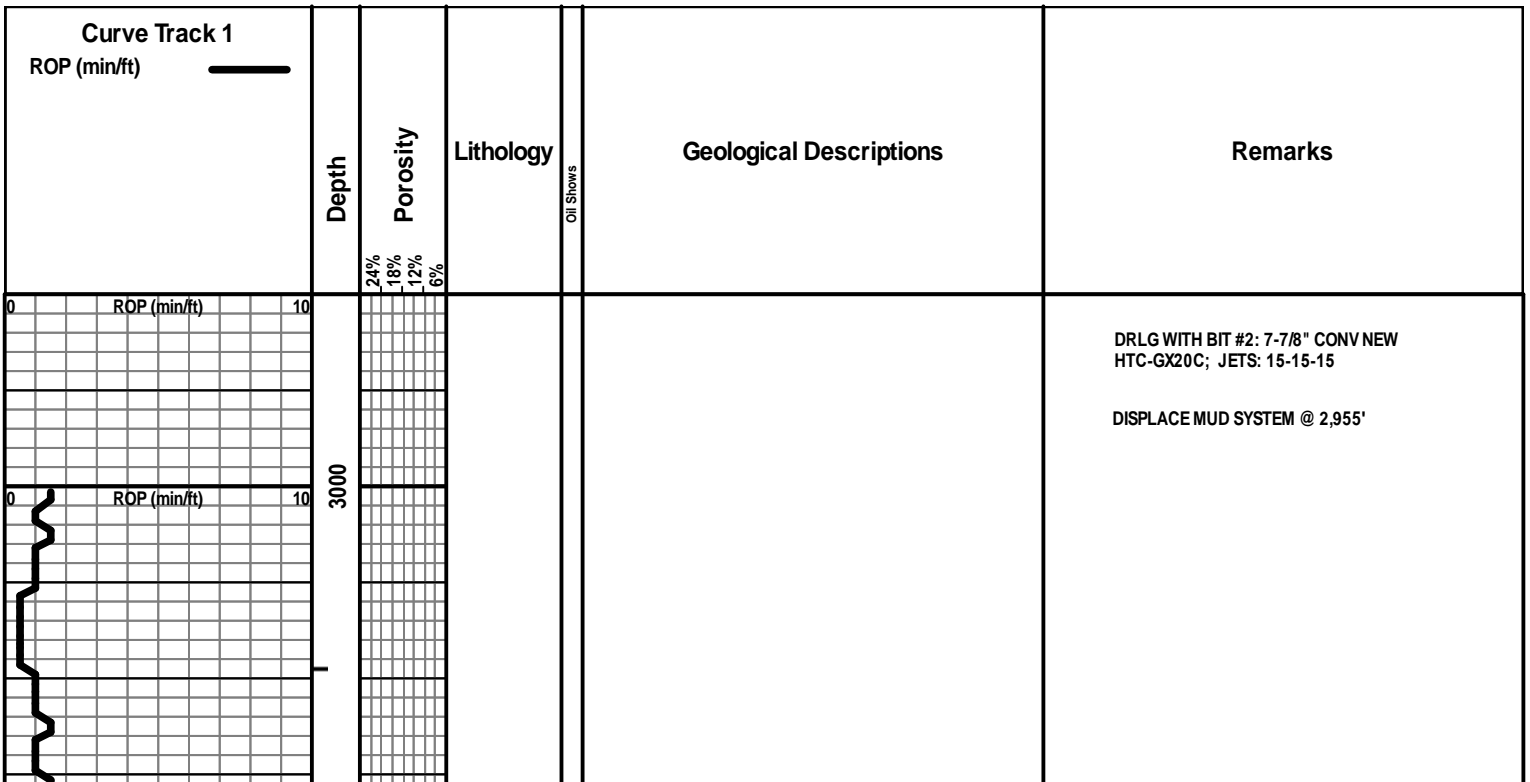
#### INTERVALS

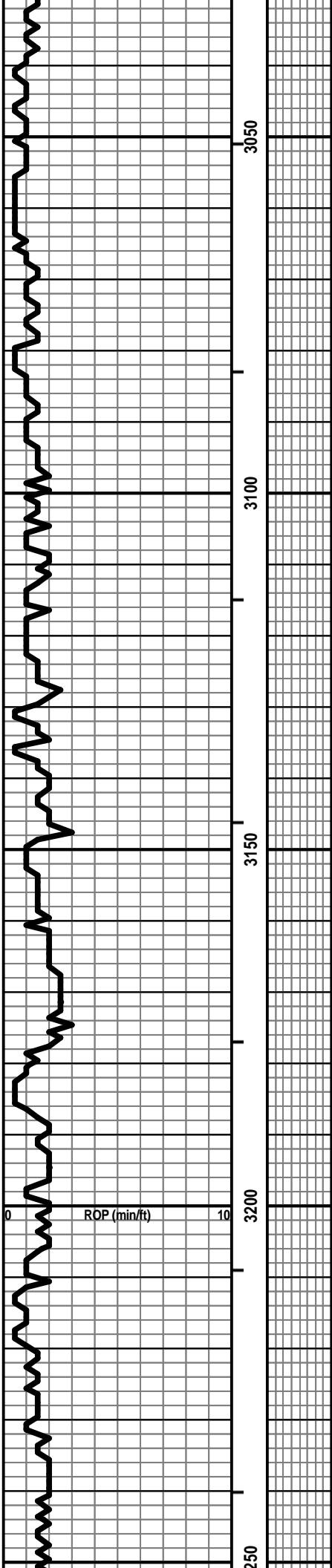
- Core
- Dst

- Dst\_1\_b
- Dst\_1\_t
- Dst

#### EVENTS

- Rft
- Sidewall
- Conn



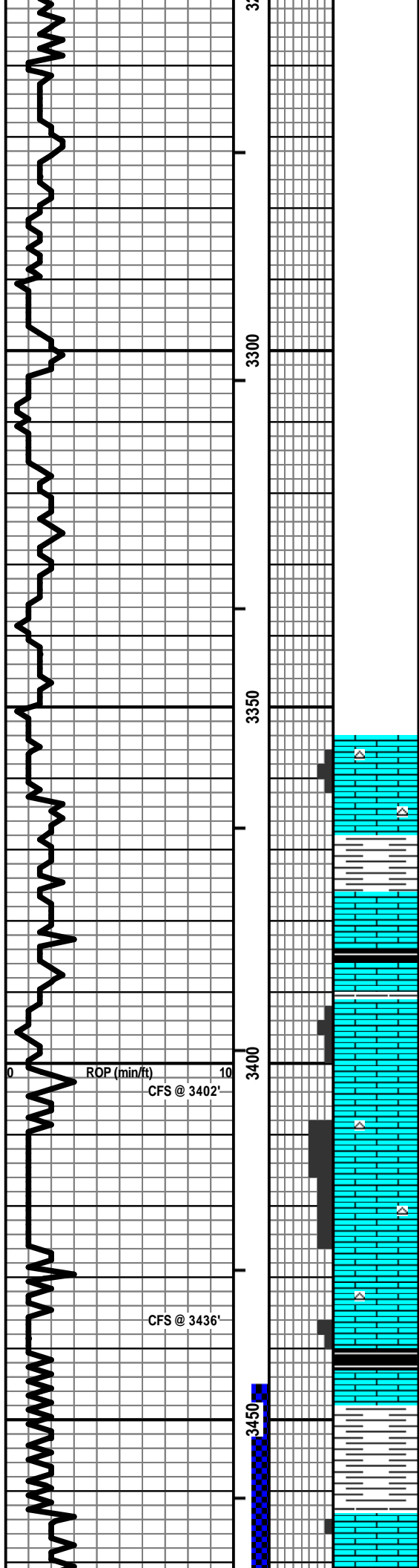


WABAUNSEE 3083 (-834)

Vis: 51, Wt: 8.7, LCM: 1#

TOPEKA 3230 (-981)





Vis: 63, Wt: 8.8, LCM: 2#

DST #1: 3,445' - 3,505' (Tor & LKC 'A')  
15"-30"-45"-60"

IF: Good blow, BOB in 7 minutes  
ISI: No blow back  
FF: Good blow, BOB in 9 minutes  
FSI: No blow back

RECOVERY: 640' Total Fluid:  
20' OCMW (25% O, 25% W, 50% M)  
186' WCM (30% W, 70% M)  
434' MCW (80% W, 20% M)  
Chlorides recovery: 40,000 ppm

SIP: 1029-996      HP: 1752-1707  
FP: 33-154, 160-328      BHT: 110

DST #2: 3,494' - 3,524' (LKC 'B')  
15"-30"-45"-60"

IF: Fair blow, building to 3-1/2 inches  
ISI: No blow back  
FF: Fair blow, building to 7 inches  
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RECOVERY: 397' Total Fluid:  
25' OSMCW (80% W, 20% M)  
62' WCM (20% W, 80% M)  
310' MCW (95% W, 5% M)  
Chlorides recovery: 25,000 ppm

SIP: 619-614      HP: 1789-1680  
FP: 19-118, 142-218      BHT: 108

**HEEBNER 3440 (-1191)**

**TORONTO 3463 (-1214)**

LS - CRM / TAN / SCAT BRN, VF / F XLN, FOSS IN PT, SCAT P / F PPT + VUG POR, CHKY IN PT / DNS, NS W / SCAT CHT - WHT / LT GY / CRM

SH - LT / MED GY W / LS - GY / TAN, MOT IN PT, VF XLN, TR FOSS, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, FOSS IN PT, P / F VUG POR, PRED P INTXLN POR, F / G S ASPH + FO (PRED LOW GRAV), NO ODOR, SPTY / SAT ASPH / BLK STN

LS - CRM / GY, MOT IN PT, F / M XLN, FOSS, F / G FOSSMOLD + INTXLN POR IN PT, CHKY IN PT, NS, NO ODOR W / CHT - GY / WHT

LS - CRM / GY / TAN, MOT IN PT, VF / M XLN, FOSS, CHKY IN PT, PRED DNS, NS W / CHT - GY / WHT

SH - BLK, CARB W / LS - TAN / BRN, VF / F XLN, FOSS, PRED DNS, NS W / SH - GY / GRN, SLTY IN PT

LS - CRM / WHT, F XLN, FOSS, SCAT P / TR F VUG + INTPART POR, SSFO, V FT ODOR, SCAT SPTY STN

# LANSING 3478 (-1229)

Vis: 59, Wt: 9.15, YP: 22,  
GelS: 8/21, pH: 10.5, WL: 7.0,  
Chl: 1700, Sol: 7.0, LCM: 2#

PIPE STRAP @ 3505': LONG 3.05'  
MODERATELY WINDY

DRLG WITH BIT #3: 7-7/8" CONV RR  
HTC-GX20C; JETS: 15-15-15

DST #3: 3,537' - 3,557' (LKC 'E-F')  
15"-30"-45"-60"

IF: Good blow, BOB in 8 minutes  
ISI: No blow back  
FF: Fair blow, BOB in 20 minutes  
FSI: No blow back

RECOVERY: 37' GIP & 459' Total Fluid:  
87' G&WCO (5% G, 85% O, 10% W)  
62' G&OCW (30% G, 20% O, 50% W)  
310' OCMW (28% O, 62% W, 10% M)

SIP: 617-611                      HP: 1749-1699  
FP: 28-147, 175-303          BHT: 112

Vis: 62, Wt: 9.0, YP: 31,  
GelS: 10/16, pH: 10.0, WL: 6.8,  
Chl: 3,300, Sol: 4.9, LCM: 2#

DST #4: 3,610' - 3,645' (LKC 'I-J')  
15"-30"-5"-0"

IF: Weak blow, died in 1 minute  
ISI: No blow back  
FF: Weak surge, no blow

RECOVERY: 5' Total Fluid:  
5' OSM (100% M)

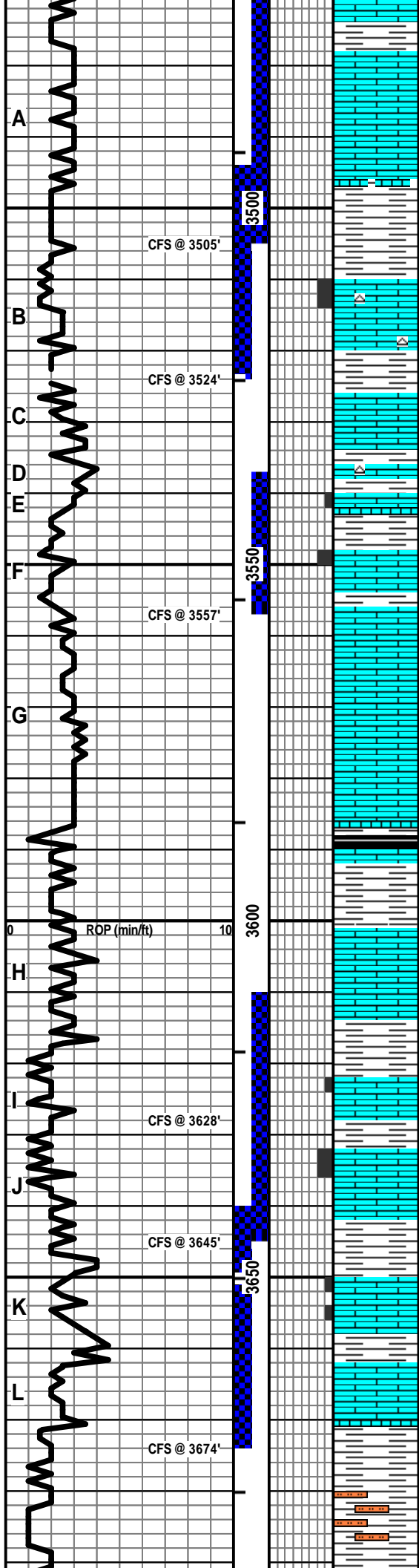
SIP: 1124                      HP: 1896-1805  
FP: 15-19                      BHT: 107

Note: FF plugging - no data

# BASE OF KC 3671 (-1422)

Vis: 66, Wt: 9.0, YP: 28,  
GelS: 10/21, pH: 10.5, WL: 6.4,  
Chl: 3,400, Sol: 4.8, LCM: 3#

DST #5: 3,640' - 3,674' (LKC 'K-L')  
15"-30"-5"-5"



LS - CRM / TAN / SCAT WHT, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN / SCAT WHT, VF / F XLN, FOSS IN PT, CHKY IN PT, PRED DNS, NS W/ SH - LT / MED GY

LS - CRM / TAN, F XLN, FOSS + OOL IN PT, P / F INTPART / INTXLN + VUG POR, TR G INTXLN POR, FSFO, F ODOR, SPTY / SCAT SAT STN W/CHT - GY

LS - CRM / WHT / TAN, VF / F XLN, SL FOSS, SCAT PINTXLN POR, PRED DNS / CHKY, NS (POOR SAMPLE QUALITY)

LS - CRM / WHT / SCAT TAN, F XLN, OOL + FOSS, P / TR F INTOOL / INTXLN POR, SSFO, FT ODOR, PRED SPTY / TR SAT STN

LS - CRM / TAN, F XLN, OOL + FOSS, F / SCAT G INTOOL POR, SCAT VUG + FOSSMOLD POR, FSFO, F ODOR, SPTY / SCAT SAT STN

LS - CRM / TAN / WHT, VF / F XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS

LS - ASABOVE W/ SH - GY / BLK, CARB IN PT W/ LS - TAN / BRN / GY, MOT IN PT, F XLN, FOSS IN PT, PRED DNS, NS

LS - CRM / LT GY, VF / F XLN, FOSS IN PT, SCAT OOL, PRED DNS / SCAT CHKY, NS

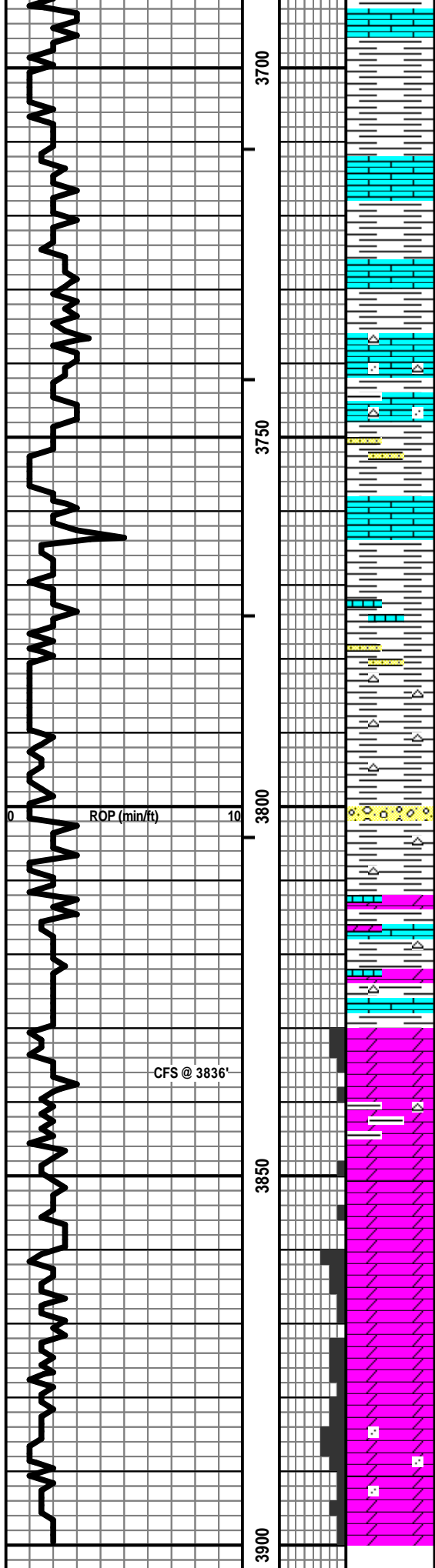
LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT P / TR F INTXLN + PPT POR, TR P MOLDIC POR, SSFO, V FT ODOR, SCAT SPTY STN

LS - CRM / TAN, PRED F XLN, OOL IN PT, PRED P / F INTOOL / INTXLN POR, SCAT G POR, SL / F SFO, F ODOR, SAT / SPTY STN

LS - CRM / LT GY, VF / F XLN, OOL IN PT, PRED PINTOOL + PPT POR, SSFO, FT ODOR, SPTY / SAT STN

LS - TAN / BRN / CRM, F / M XLN, FOSS IN PT, PRED DNS, NS

SH - RED / GY / GRN, SLTY IN PT



LS - CRM / GY, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS W/ SH - RED / GY

LS - CRM / GY, F / M XLN, SL FOSS, OOL IN PT, PRED DNS, NS W/ SH - RED / GY

SH - RED / GY / SCAT GRN W/ SCAT LS - V SIMILAR TO ABOVE, NS

LS - CRM / GY, VF / F XLN, SL FOSS, AREN IN PT, VF / M QTZ GR, PRED DNS, NS W/ CHT - ORG / GY W/ SH - RED / GY

SH - RED / SCAT GY W/ SCAT SS - LT GY / CRM, VF / F QTZ GR, FW SRTD, SA / SR, CALC, P / NO VIS POR, NS W/ LS - GY / WHT / CRM, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS

SH - RED / SCAT GY W/ SCAT LS - GY / TAN, VF XLN, SUBCHKY / DNS, NS W/ SCAT SS - LT GY, VF / M QTZ GR, F / P SRTD, SR / R, CALC CEM, P / F INTGR POR, SCAT ASPH STN, NSFO, NO ODOR

SH - RED / GY W/ MOD AMT CHT - ORG / CRM, MOT IN PT, OOL IN PT W/ TR SS - ASABOVE, NS

SH - RED / SCAT GY W/ TR CONGL: F / C GR QTZ, CHT, LS FRAG, SH FRAG - P PPT / INTPART POR, F S ASPH, NO ODOR SPTY / SAT ASPH STN

DOLO / LMY DOLO / LS - CRM / TAN / LT GY, VF / F / SCAT M XLN, CHKY IN PT, PRED P / NO VIS POR, TR F INTXLN POR, SL / F S DEAD OIL STN, NSFO, NO ODOR W/ SCAT CHT - AA W/ SH - RED

DOLO - CRM / LT GY, F / M XLN, RHOMB IN PT, P / F INTXLN POR, SCAT VUG POR, F S DEAD OIL STN, NSFO, NO ODOR

DOLO - ASABOVE W/ SH - RED W/ TR CHT - ORG

DOLO - CRM / LT GY / TAN, F / M XLN, RHOMB IN PT, SCAT AREN, P / SCAT F INTXLN POR, SCAT F VUG POR, SL / F S DEAD OIL STN, NSFO, NO ODOR

DOLO - CRM / LT GY / TAN, F / M XLN, RHOMB IN PT, P / F / SCAT G INTXLN POR, SCAT F VUG POR, TR DEAD OIL STN, NSFO, NO ODOR

DOLO - CRM / TAN / PINK, F / M / TR C XLN, P / F / SCAT G INTXLN POR, SCAT F VUG POR, NS

DOLO - CRM / TAN / PINK, F / M / TR C XLN, AREN IN PT, VF / F / SCAT M QTZ GR, P / F / SCAT G INTXLN / INTGR POR, SCAT F VUG POR, NS

IF: Weak blow, died in 9 minute  
 ISI: No blow back  
 FF: Weak surge, no blow, flush, no blow  
 FSI: No blow back

RECOVERY: 5' Total Fluid:  
 5' Mud (100% M)

SIP: 908-387      HP: 1759-1735  
 FP: 13-19, 22-24      BHT: 103

Vis: 63, Wt: 9.0, LCM: 3#

**EROSIONAL ARB 3812 (-1563)**

**ARBUCKLE 3830 (-1581)**

Vis: 66, Wt: 9.0, LCM: 2#

**TOTAL DEPTH 3900 (-1651)**

				
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# ALLIED OIL & GAS SERVICES, LLC 060335

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>6-27-13</u>	SEC. <u>26</u>	TWP. <u>7</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION <u>5:00 am</u>	JOB START <u>8:30 am</u>	JOB FINISH <u>9:30 am</u>
LEASE <u>Worcester</u>	WELL# <u>1-26</u>	LOCATION <u>Hillcity 4E, 2N, 1E, 1/4</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>1E, 1/4</u>			

CONTRACTOR Martin S OWNER Same

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3900' CEMENT AMOUNT ORDERED 270 SKS 60/40 470 gal

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
DRILL PIPE 4 1/2 DEPTH 3810'  
TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_  
PERFS. \_\_\_\_\_

DISPLACEMENT 47.07 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Larone E. White  
# 423/281 HELPER Paul Beaver

BULK TRUCK # 347 DRIVER David Scarrano

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Mix @ 50 SKS 3810'

Mix 25 SKS 1840'

Mix 100 SKS 1090'

Mix 40 SKS 270'

Mix 10 SKS 40' w/ plug

Plug M.H. 155 SKS

Plug R.H. 305 SKS

Thank You

CHARGE TO: Carmen Schmidt

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 Rodney Farr

SIGNATURE Rodney Farr

COMMON 162 SKS @ 17.90 2878.80  
POZMIX 108 SKS @ 9.35 1009.80  
GEL 9 SKS @ 23.40 210.60  
CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
ASC \_\_\_\_\_ @ \_\_\_\_\_

Flow seal 68 # @ 2.97 201.96

HANDLING 287.9 SKS @ 2.48 718.95

MILEAGE 12.11 tax @ 80 X 2.60 2518.88

TOTAL 7559.99

SERVICE

DEPTH OF JOB 3810'

PUMP TRUCK CHARGE 2600.97

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE MILW 80 @ 7.70 616.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

MILV 80 @ 4.40 352.00

TOTAL 3568.47

PLUG & FLOAT EQUIPMENT

wooden plug @ 102.64

TOTAL 102.64

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 11,236.10

DISCOUNT 2,247.02 IF PAID IN 30 DAYS

8,988.88 Net.

PO Box 93999  
Southlake, TX 76092

Invoice Number: 137020  
Invoice Date: Jun 27, 2013  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

**Bill To:**

Carmen Schmitt, Inc.  
P. O. Box 47  
Great Bend, KS 67530

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Schm	60335	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Oakley	Jun 27, 2013	7/27/13

Quantity	Item	Description	Unit Price	Amount
		Worester #1-26		
162.00	MAT	Class A Common	17.90	2,899.80
108.00	MAT	Pozmix	9.35	1,009.80
9.00	MAT	Gel	23.40	210.60
68.00	MAT	Flo Seal	2.97	201.96
289.90	SER	Cubic Feet	2.48	718.95
968.80	SER	Ton Mileage	2.60	2,518.88
1.00	SER	Plug to Abandon	2,600.47	2,600.47
80.00	SER	Pump Truck Mileage	7.70	616.00
80.00	SER	Light Vehicle Mileage	4.40	352.00
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Paul Beaver		
1.00	OPER ASSIST	David Scariano		
		18147.0001	BFS	
		7/27/13		
		"Cement Plug"		
		Well File		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2,247.22

ONLY IF PAID ON OR BEFORE  
Jul 22, 2013

Subtotal	11,236.10
Sales Tax	848.33
Total Invoice Amount	12,084.43
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,084.43</b>



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6701

Date	6-20-13	Sec.	26	Twp.	7	Range	22	County	Graham	State	KS	On Location	4:00 PM	Finish	6:15 PM								
								Location															
Lease								Well No.				Owner											
Worcester								1-26				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.											
Contractor												Charge											
Murkin #8												To Carmen <del>Schmitt</del> Schmitt											
Type Job								T.D.				Street											
Surface								218															
Hole Size								Depth				City											
12 1/4								218															
Csg.								Depth				State											
8 5/8																							
Tbg. Size								Depth				The above was done to satisfaction and supervision of owner agent or contractor.											
Tool								Depth				Cement Amount Ordered											
												150 ccm 3% CC 2% Gel											
Cement Left in Csg.								Shoe Joint															
20 ft								20 ft															
Meas Line								Displace															
								12 1/2 Bbl															
<b>EQUIPMENT</b>												Common											
Pumptrk 5 No. Cementer												150											
Helper Brett												Poz. Mix											
Bulktrk 1 No. Driver												3											
Driver Lonnie M												Calcium											
Bulktrk DU No. Driver												5											
Driver Matt												Hulls											
<b>JOB SERVICES &amp; REMARKS</b>												Salt											
Remarks:												Flowseal											
Rat Hole												Kol-Seal											
Mouse Hole												Mud CLR 48											
Centralizers												CFL-117 or CD110 CAF 38											
Baskets												Sand											
D/V or Port Collar												Handling 158											
Cement did Circulate												Mileage											
												<b>FLOAT EQUIPMENT</b>											
												Guide Shoe											
												Centralizer											
												Baskets											
												AFU Inserts											
												Float Shoe											
												Latch Down											
												Pumptrk Charge											
												Surface											
Mileage																							
38																							
Signature												Tax											
[Signature]												Discount											
												Total Charge											



**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 6/20/2013  
 Invoice # 6701

P.O.#:

Due Date: 7/20/2013

Division: Russell

# Invoice

**Contact:**

Carmen Schmitt Inc  
**Address/Job Location:**  
 Carmen Schmitt Inc  
 P.O. Box 47  
 Great Bend Ks 67530

**Reference:**

WORCESTER 1-26

**Description of Work:**

SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	150	\$ 2,102.29	Yes				
Pump Truck Mileage-Job to Nearest Camp	38	\$ 423.86	No				
Bulk Truck Matl-Material Service Charge	158	\$ 353.18	No				
Calcium Chloride	5	\$ 266.34	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	38	\$ 248.03	No				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

18,147.0002 B15

710/43

"Remedy Surface Csg"

**Invoice Terms:**

Net 30

Web File

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:

SubTotal: \$ 4,468.82

\$ (670.32)

SubTotal for Taxable Items: \$ 2,059.73

SubTotal for Non-Taxable Items: \$ 1,738.77

Total: \$ 3,798.50

Tax: \$ 155.51

7.55% Graham County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 3,954.01**

**Applied Payments:**

**Balance Due: \$ 3,954.01**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 08, 2013

Carmen Schmitt  
Carmen Schmitt, Inc.  
PO BOX 47  
GREAT BEND, KS 67530-0047

Re: ACO1  
API 15-065-23945-00-00  
Worcester 1-26  
NW/4 Sec.26-07S-22W  
Graham 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,  
Carmen Schmitt