





1144787

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Chisholm Partners II, LLC
Well Name	Steffen 1-26
Doc ID	1144787

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Chisholm Partners II, LLC
Well Name	Steffen 1-26
Doc ID	1144787

Tops

Name	Top	Datum
Hebner	1466	-243
Toronto	1481	-258
Douglas	1493	-270
B. Lime	1582	-359
Lansing	1601	-378
Base K.C.	1937	-714
Mississippian	2115	-892
Kinderhook SH	2278	-1055
Hunton	2461	-1238
Maquoketa SH	2722	-1499
Maquoketa Dolomite	2826	-1603
Simpson	2953	-1730
Arbuckle	3033	-1810

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

May 31, 2013

Claire Keneally  
Chisholm Partners II, LLC  
1160 EUGENIA PL  
SUITE 100  
CARPINTERIA, CA 93013

Re: ACO1  
API 15-027-20046-00-00  
Steffen 1-26  
SW/4 Sec.26-10S-02E  
Clay 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,  
Claire Keneally  
(785) 260-0090

# 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. 0885

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-19-13	26	10	2	Clay	KS		4:30 AM

Lease Steffen Well No. 1-26 Location Solomon Rd + I70, 7N to Hwy 18, 2E to Camp Rd

Contractor Southwind #1 Owner 1513 1/2 4th Rd SE to Kiowa Rd, 2S, 1/2 E, N/1  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Surface Charge To Chishelm Partners, II LLC

Hole Size 12 1/4 T.D. 225 Street 1160 Eugenia PL Suite 100

Csg. 8 5/8 Depth 222 City Carpinteria State CA

Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_ The above was done to satisfaction and supervision of owner agent or contractor.

Tool \_\_\_\_\_ Depth \_\_\_\_\_ Cement Amount Ordered 170 com 3% CC 2% gel

Cement Left in Csg. \_\_\_\_\_ Shoe Joint 15

Meas Line \_\_\_\_\_ Displace 13 lbl

**EQUIPMENT**

Pumptrk <u>16</u>	No.	Cementor	Common
		Helper <u>Travis</u>	
Bulktrk <u>*</u>	No.	Driver <u>Doug</u>	Poz. Mix
		Driver <u>Rick</u>	Gel.
Bulktrk <u>PU</u>	No.	Driver <u>Rick</u>	Calcium

**JOB SERVICES & REMARKS**

Remarks: Cement did circulate

Rat Hole \_\_\_\_\_

Mouse Hole \_\_\_\_\_

Centralizers \_\_\_\_\_

Baskets \_\_\_\_\_

D/V or Port Collar \_\_\_\_\_

**FLOAT EQUIPMENT**

Guide Shoe \_\_\_\_\_

Centralizer \_\_\_\_\_

Baskets \_\_\_\_\_

AFU Inserts \_\_\_\_\_

Float Shoe \_\_\_\_\_

Latch Down \_\_\_\_\_

Pumptrk Charge \_\_\_\_\_

Mileage \_\_\_\_\_

Tax \_\_\_\_\_

Discount \_\_\_\_\_

Total Charge \_\_\_\_\_

X Signature Arly R



# JUSTIN D. CARTER

## CONSULTING GEOLOGIST

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

Well Name: STEFFEN 1-26  
Location: NE, SW, SE, SW Sec. 26 - 10S - 2E Clay Co, KS  
License Number: 15-027-20046-0000  
Spud Date: 02/18/13  
Surface Coordinates: 510' FSL & 1880' FWL  
Region: Wildcat  
Drilling Completed: 03/02/13

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1213' K.B. Elevation (ft): 1223'  
Logged Interval (ft): 1400' To: 3085' Total Depth (ft): 3085'  
Formation: MISS., MAQUOKETA  
Type of Drilling Fluid: Chemical Mud

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: CHISOLM PARTNERS II, LLC  
Address: 1160 Eugenia Pl., Suite 100  
Carpinteria, CA 93013  
Co. Geo.: Mr. John Horne

### GEOLOGIST

Name: Justin D. Carter  
Company:  
Address: 5945 Westridge Dr.  
Great Bend, KS 67530  
Home: 620-603-6399, Cell: 620-655-1187

### Comments

Drilling Contractor: Southwind Drilling, Inc. Rig #1  
Tool Pusher: Derby Kever

8 5/8" surface casing set at 224'

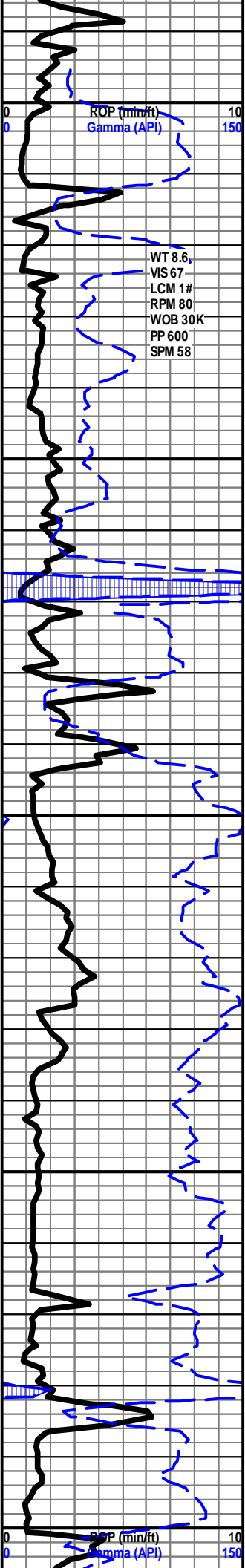
Mud: Andy's Mud  
Engineer: Ken Rupp

Gas Detector: Earth Tech OGL, Inc.

Open-Hole Loggers: Pioneer Wireline



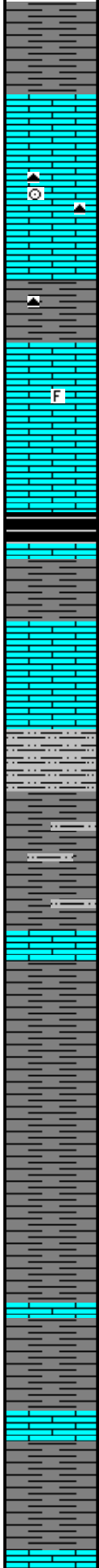




1400  
1450  
1500  
1550  
1600

ROP (min/ft) 10  
Gamma (API) 150

WT 8.6  
VIS 67  
LCM 1#  
RPM 80  
WOB 30K  
PP 600  
SPM 58



SH- DK GY, SFT, GMMY

LS- CRM, BRITT, MD/F-XLN, SUCRO MTRX IP TO TR GRST, FOSS FRAGS IP, NO FLO, PR INTER-XLN POR IP, NS

LS- GY LT GY OFF WHT, HRD DNS, VF-XLN, SUB-SUCRO MTRX THRU, CRIN IP, GY CHRT IP, NO FLO, NO VIS POR

SH- GY DK GY, FRM, BLKY, LMY, TR DK GY CHRT

LS- WHT, HRD, VF-XLN, SUB-CHLKY MTRX IP TO RE-XLN MTRX IP, TR CALC XLS, IMBED SH IP, TR FOSS FRAGS, TR VUGS, NO FLO, TR INTER-VUG POR NO VIS POR IP, NS

T.O.H. @ 1471' FOR PLUGGED JET

**HEEBNER 1466' (-243')**

**TORONTO 1481' (-258')**

LS- WHT, HRD DNS, VF-XLN, RE-XLN MTRX IP TO TR SUB-SUCRO, NO FLO, NO VIS POR

**DOUGLAS 1493' (-270')**

SLTST- GY GRN, TT, VF-GRNS, DISS BLK SH IP, NO VIS POR

SH- GY, FRM TO HRD IP, SLTY, SLTST IP W/ BLK DISS SH

SH- GY GRN, FRM, SLTY, BLKY

SH- GY LT GRN, FRM, SLTY, TR LAM SH, BLKY

SH- BLK DK GY, FRM TO SFT, BLKY, SLTYIP TO LMY W/ WXY TEXT IP

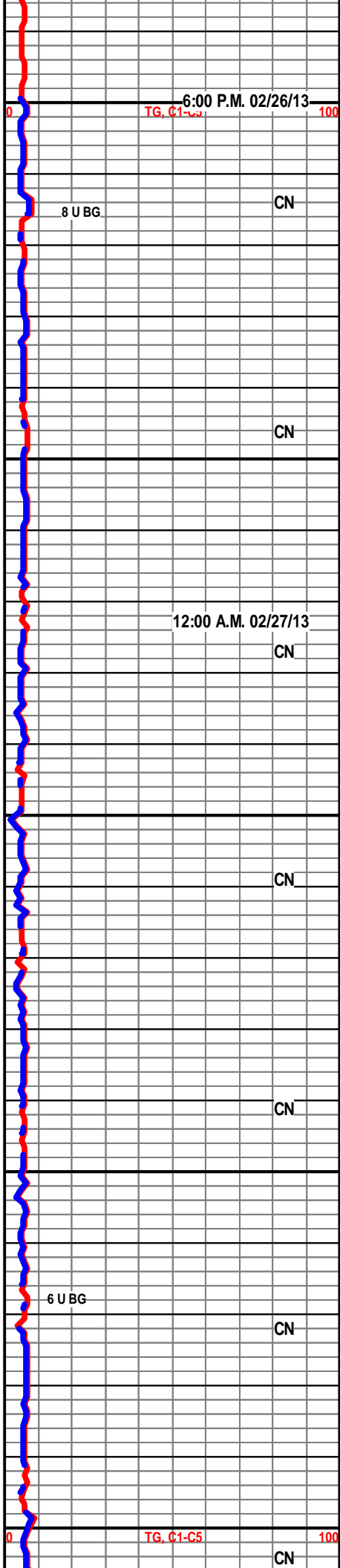
SH- DK GY, SFT, LMY, GMMY

**B. LIME 1582' (-359')**

LS- LT TN, HRD DNS, CRYPTO-XLN, TR RE-XLN MTRX, NO FLO, NO VIS POR

SH- RD GY, SFT, V/GMMY THRU

**LANSING 1601' (-378')**



6:00 P.M. 02/26/13  
TG, C1-C5 100

8 U BG

CN

CN

12:00 A.M. 02/27/13

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6 U BG

CN

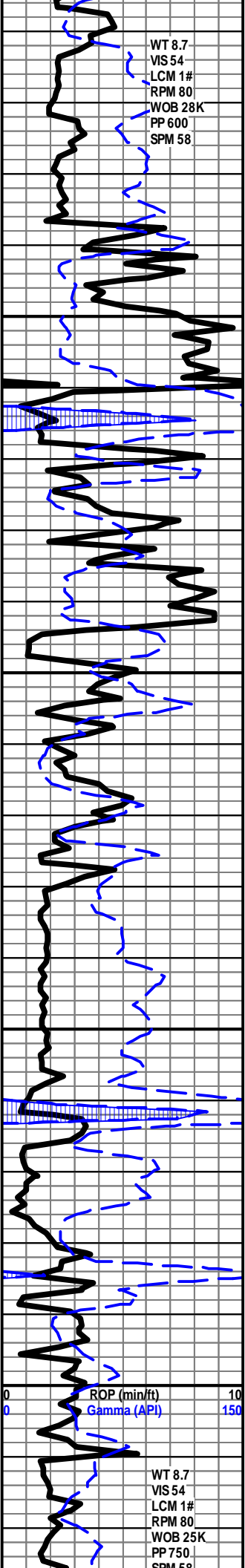
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6 U BG

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TG, C1-C5 100

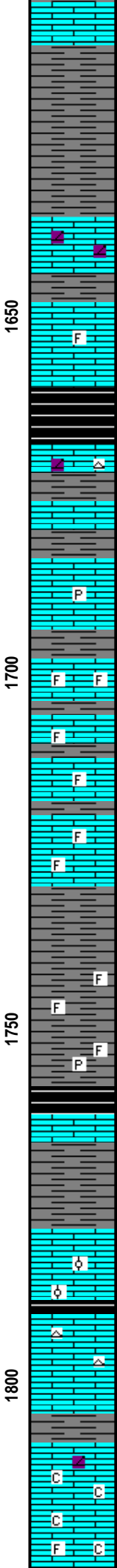
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WT 8.7  
VIS 54  
LCM 1#  
RPM 80  
WOB 28K  
PP 600  
SPM 58

ROP (min/ft) 10  
Gamma (API) 150

WT 8.7  
VIS 54  
LCM 1#  
RPM 80  
WOB 25K  
PP 750  
SPM 58



LS- LT CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, NO FLO, NO VIS POR

SH- DK GY BLK, SFT TO FRM IP, BLKY, SLI GMMY IP

SH- A/A

LS- BFF, HRD DNS, VF-XLN, RE-XLN MTRX IP TO SUB-SUCRO IP, DOLO IP, NO FLO, NO VIS POR

LS- LT CRM, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX IP, TR FOSS FRAGS, NO FLO, NO VIS POR

SH- DK GY BLK, FRM, BLKY, CARB

LS- BFF CRM, HRD DNS, F/VF-XLN, SUCRO MTRX THRU TO TR RE-XLN, IMBED WHT CHRT, TR DOLO, NO FLO, NO VIS POR

LS- CRM GY, HRD DNS, VF-XLN, RE-XLN MTRX THRU, TR IMBED SH, TR PYR, NO FLO, NO VIS POR

LS- CRM LT TN, HRD DNS, VF-XLN, RE-XLN MTRX THRU TO TR SUB-SUCRO, FOSS FRAGS IP, NO FLO, NO VIS POR

LS- LT TN, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, TR FOSS FRAGS, TR CALC XLS, NO FLO, NO VIS POR

LS- CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, TR FOSS FRAGS, TR CALC XLS TO TR CALC XLS IN FOSS FRAGS, NO FLO, TR INTER-XLN POR IN CALC XLS TO NO VIS POR THRU, NS

SH- DK GY, SFT, LMY, V/GMMY

SH- DK GY, FRM TO SFT, BLKY TO TR GMMY, FOSS FRAGS IP

SH- DK GY GY, FRM, BLKY, FOSS FRAGS IP, TR PYR

LS- TN CRM, HRD, VF-XLN, RE-XLN MTRX THRU, TR MED CALC XLS IN CLUSTERS, NO FLO, FR INTER-XLN POR IN CALC XLS TO POSS FRAC POR, NS

SH- GY GRN, FRM TO SFT IP, LMY, BLKY TO SLI GMMY IP

LS- CRM, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX IP, IMBED OOL IP, NO FLO, NO VIS POR

LS- TN, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, TR LT GY CHRT, TR CALC XLS, NO FLO, POSS FRAC POR TO NO VIS POR THRU, NS

LS- CRM GY LT TN, HRD DNS, VF-XLN, RE-XLN MTRX IP TO TR SUB-CHLKY, SFT WHT CHLK IP, 1 PIECE LS SLI DOLOMITZ, NO FLO, NO VIS POR

LS- CRM BFF, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX THRU, ABDT SM CALC XLS SCAT THRU, TR IMBED FOSS FRAGS, NO FLO, FRAC POR

MUD CHECK @ 1640'  
WT 8.7  
VIS 48  
LCM 1.5#  
PV 22  
YP 6  
PH 10.0  
FIL 8.8  
CHL 400

9 U BG

TG, C1-C5 100

CN

CN

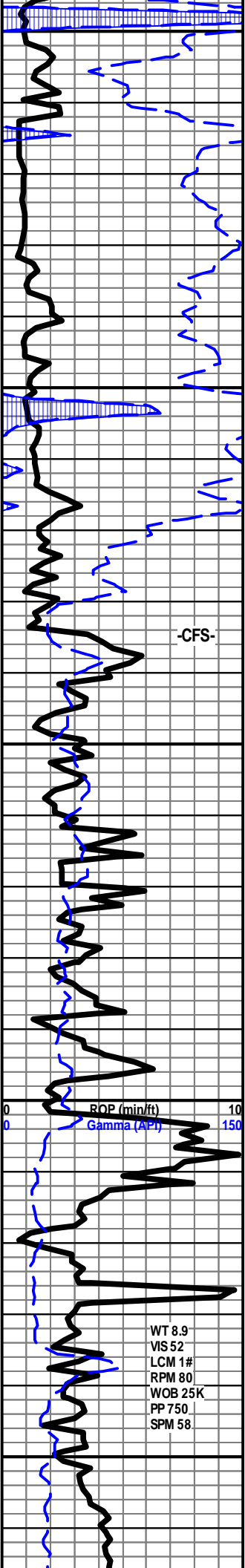
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LS- LT TN LT GY, HRD DNS, F/VF-XLN, RE-XLN MTRX IP TO TR  
SUB-SUCRO, TR IMBED OOL, NO FLO, NO VIS POR

SH- RD GRN GY PRPLE YEL, SFT, GMMY

SH- PRPLE GRN GY YEL, FRM TO SFT, BLKY, LMY, WXY TEXT IP, TR CHRT

SH- GY RD PRPLE GY GRN, FRM TO SFT IP, LMY, BLKY

SH- GRN PRPLE RD, FRM, BLKY, SLTYTHRU TO TR LMY, WHT YEL CHRT  
IP, TR WHT DOLO

**MISSISSIPPIAN 2115' (-892')**

DOLO- WHT, HRD, F-XLN, SUCRO MTRX THRU, VUGS IP, ABDT WHT LT  
ORNGE CHRT THRU, NO FLO, NO VIS CUT, FR INTER-VUG POR IP TO NO  
VIS POR IP, NS

CHRTY DOLO- TN WHT BFF, HRD, VF-XLN, SUCRO MTRX THRU, TR  
IMBED CHRT, REWORKED CHRT IP, NO FLO, TR MICRO PP POR TO PR  
INTER-XLN POR IP, NS

DOLO- CRM LT TN, HRD, F/VF-XLN, SUCRO MTRX IP TO RE-XLN MTRX IP,  
TR LS, TR SFT WHT CHLK, NO FLO, TR INTER-XLN POR TO NO VIS POR  
THRU, NS

DOLO- WHT LT TN, HRD, VF-XLN, SUCRO MTRX THRU TO TR  
SUB-CHLKY, OPQ WHT CHRT SCAT THRU, NO FLO, NO VIS POR

DOLO- WHT LT TN, HRD, F-XLN, SUCRO MTRX THRU, GLAUC IP, OPQ  
WHT CHRT THRU, NO FLO, TR MICRO PP POR TO PR INTER-XLN POR  
SCAT THRU, NS

LS- LT CRM, HRD DNS, VF-XLN, RE-XLN MTRX THRU, NO FLO, NO VIS  
POR

DOLO- LT TN, HRD, MD/VF-XLN, SUCRO MTRX THRU, YEL MIN FLO IP, FR  
INTER-XLN POR SCAT THRU, NS

LS- BFF, HRD DNS, VF-XLN, RE-XLN MTRX THRU, IMBED OOL SCAT  
THRU, YEL MIN FLO THRU, NO VIS POR

LS- BFF TN, HRD TO BRITT IP, VF-XLN, RE-XLN MTRX IP TO TR  
SUB-SUCRO, TR DOLO, IMBED OOL IMBED THRU, YEL MIN FLO IP, TR  
INTER-OOL POR TO NO VIS POR IP, NS

LS- CRM GY, HRD TO BRITT IP, MD/VF-XLN, GRST, IMBED DK GY SH IP,  
IMBED OOL IP, NO FLO, PR/FR INTER-XLN POR THRU, NS

LS- CRM LT TN, HRD, F/VF-XLN, SUB-SUCRO MTRX IP TO RE-XLN IP,  
IMBED OOL IP, PR INTER-XLN POR IP TO NO VIS POR IP, NS

CN

CN

CN

MUD CHECK @ 2134'  
WT 8.9  
VIS 52  
LCM 1#  
PV 13  
YP 29  
PH 9.5  
FIL 7.6  
CHL 500

CN

CN

15 U BG

TG, C1-C5 100

CN

CN

WT 8.9  
VIS 52  
LCM 1#  
RPM 80  
WOB 25K  
PP 750  
SPM 58

2250

2200

2150

2100

2050

-CFS-

ROP (min/ft)  
Gamma (API)

LS- CRM, HRD, MD/VF-XLN, RE-XLN MTRX THRU TO TR GRST, TR IMBED OOL, TR IMBED BLK SH, NO FLO, NO VIS POR

### KINDERHOOK SH 2278' (-1055')

SH- PRPLE RD GRN, SFT, LMY, GMMY THRU

SH- LT GRN, SFT, GMMYTHRU

SH- GRYISH GRN, A/A

SH- A/A

SH- GRN, SFT, GMMY

SH- A/A, V/GMMY

SH- GRYISH GRN, SFT, GMMY THRU

SH- A/A

SH- GY, SFT, V/GMMY THRU

SH- GRYISH GRN, SFT, GMMY IPTO BLKY IP

SH- RD GRYISH GRN, SFT TO FRM IP, BLKY TO GMMY IP, TR SLTY SH

SH- RD PRPLE GY GRN, SFT TO FRM IP, SLTY IP TO LMY IP, GMMY IP TO BLKY IP, LAM BLK SH IP

### HUNTON 2461' (-1238')

DOLO- TN, HRD, F/VF-XLN, SUCRO MTRX THRU, VUGS SCAT THRU, NO FLO, NO VIS CUT, FR INTER-VUG POR TO TR INTER-XLN POR, NS

DOLO- LT CRM, HRD, MD/VF-XLN, SUCRO MTRX IP TO RE-XLN MTRX IP, VUGS IP, NO FLO, NO VIS CUT, FR INTER-XLN POR IP TO PR/FR

CN

CN

12 U BG

CN

CN

CN

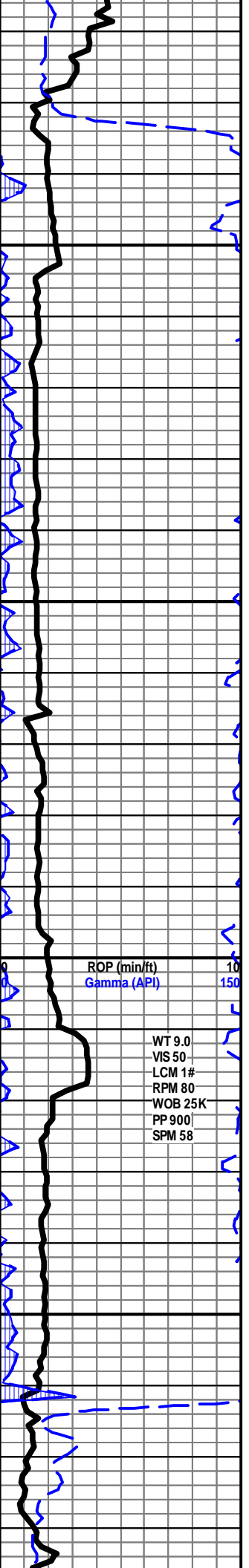
0 TG, C1-C5 100

CN

12:00 A.M. 03/01/13

CN

10 U BG



2300

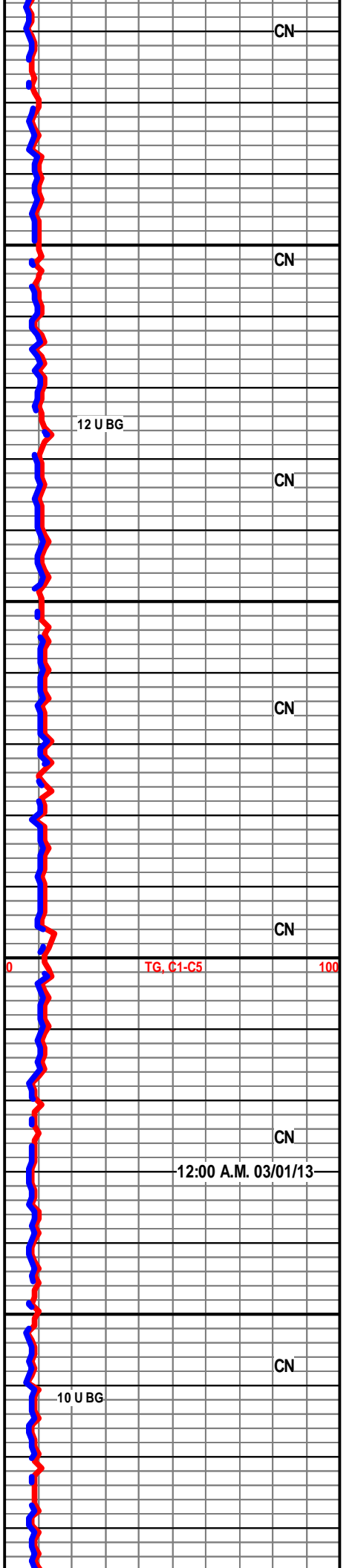
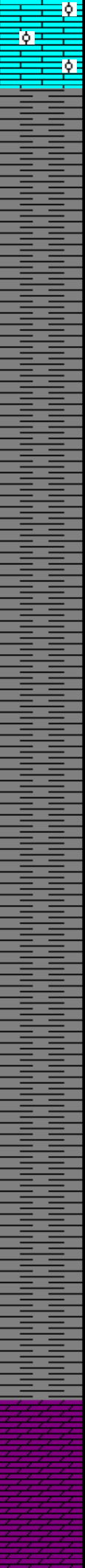
2350

2400

2450

ROP (min/ft) 10  
Gamma (API) 150

WT 9.0  
VIS 50  
LCM 1#  
RPM 80  
WOB 25K  
PP 900  
SPM 58



CN

CN

CN

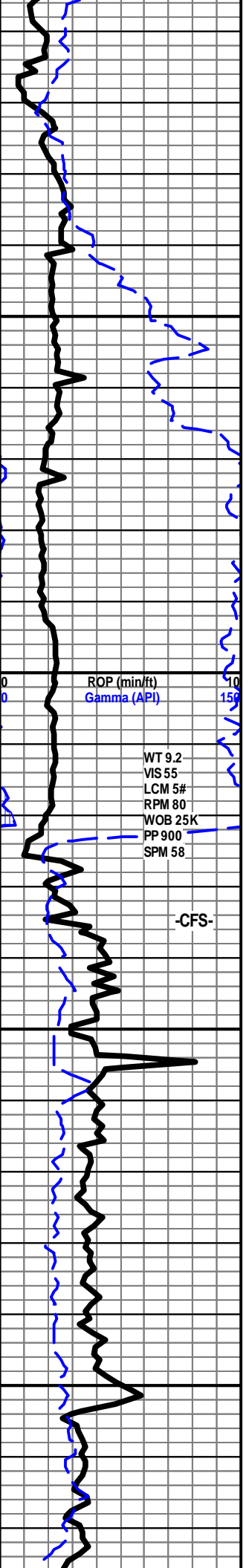
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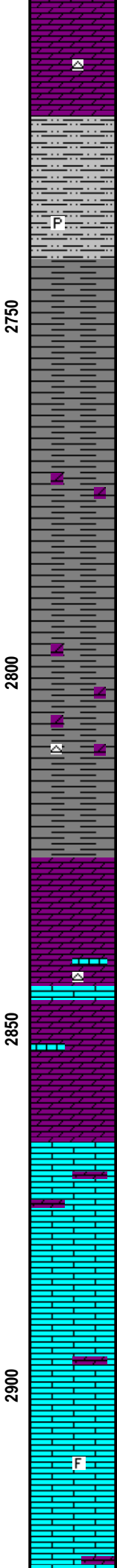




ROP (min/ft)  
Gamma (API)

WT 9.2  
VIS 55  
LCM 5#  
RPM 80  
WOB 25K  
PP 900  
SPM 58

-CFS-



DOLO- OFF WHT BFF, HRD, MD/VF-XLN, SUCRO MTRX THRU TO TR RE-XLN, TR WHT CHRT, NO FLO, TR INTER-XLN POR TO NO VIS POR IP, NS

**MAQUOKETA SH 2722' (-1499')**

SLTST- GY DK GRN, TT, VF-GRNS, NO VIS POR

SLTST- GY LT GRN, TT, VF-GRNS, TR PYR, NO VIS POR

SH- GY DK GY, FRM TO SFT IP, BLKY, LMY IP TO SLTY IP, GMMYIP

SH- A/A

SH- DK GY LT GRN, SFT, GMMY THRU

SH- LT GRN GY RD PRPLE, SFT TO FRM IP, GMMY IP TO BLKY

PULL 7 STANDS @ 2803', WORK ON SWIVEL

SH- GRN GY, SFT TO FRM IP, GMMY, TR PYR, TR WHT YEL CHRT

**MAQUOKETA DOLOMITE 2826' (-1603')**

DOLO- LT TN CRM, MOTT IP, HRD, CORSE/F-XLN, RE-XLN MTRX THRU TO TR SUCRO, TR VUGS, NO FLO, NO VIS CUT, GD INTER-XLN POR IP TO TR INTER-VUG POR, NS

LMY DOLO- WHT TN GY, HRD, F-XLN, SUCRO MTRX THRU, TR IMBED GY SH, TR CHRT, NO FLO, PR INTER-XLN POR SCAT THRU, NS

LMY DOLO- TN OFF WHT CRM, HRD DNS, F/VF-XLN, RE-XLN MTRX IP TO SUCRO MTRX IP, NO FLO, NO VIS POR

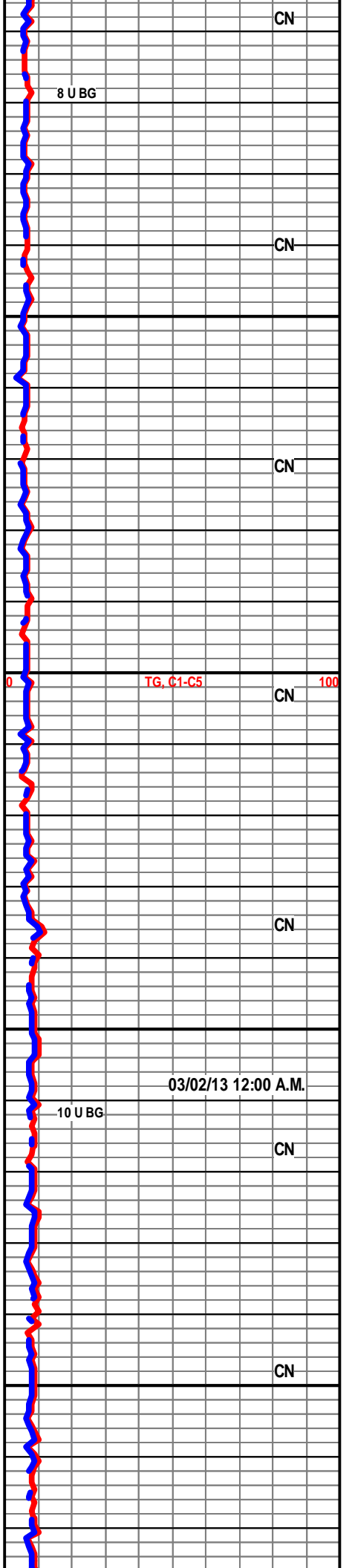
LS- TN BFF, HRD DNS, F/VF-XLN, RE-XLN MTRX IP TO SUCRO MTRX IP, DOLOMITZ LS IP, NO FLO, NO VIS POR TO TR INTER-XLN POR, NS

LS- DK CRM, HRD DNS, F/CRYPTO-XLN, RE-XLN MTRX THRU TO TR SUCRO, NO FLO, TR INTER-XLN POR TO NO VIS POR THRU, NS

LS- TN CRM GY, MOTT, HRD, F/VF-XLN, RE-XLN MTRX THRU TO TR SUCRO, TR IMBED SH, TR DOLOMITZ LS, NO FLO, PR INTER-XLN POR SCAT THRU, NS

LS- WHT TN, HRD, F/VF-XLN, RE-XLN MTRX IP TO SUCRO MTRX IP, TR FOSS FRAGS, NO FLO, TR INTER-XLN POR TO NO VIS POR THRU, NS

DOLOMITZ LS- TN CRM, HRD DNS, F/VF-XLN, SUCRO MTRX THRU TO TR



8 U BG

TG, C1-C5

03/02/13 12:00 A.M.

10 U BG

CN

CN

CN

CN

CN

CN

CN

CN

100



RE-XLN, TR FOSS FRAGS, NO FLO, PR INTER-XLN POR SCAT THRU, NS

DOLOMITZ LS, TN DK CRM, HRD, F-XLN, SUCRO MTRX IP TO RE-XLN MTRX IP, NO FLO, TR INTER-XLN POR TO NO VIS POR THRU, NS

### SIMPSON 2953' (-1730')

SS- WHT LT GY FRSTY, TT TO FRI IP, CORSE/F-GRNS, PR SRT, SUB-RND TO RND GRNS, SILI CMNT, TR IMBED SH, NO FLO, NO VIS CUT, FR/GD INTER-GRN POR THRU, NS

LS- LT GY, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX IP TO TR SUB-CHLKY, NO FLO, NO VIS POR

DOLO- LT TN TN, HRD DNS, VF-XLN, SUCRO MTRX THRU TO TR RE-XLN, NO FLO, NO VIS POR

DOLO- LT BRN, HRD, VF-XLN, SUCRO MTRX THRU TO TR RE-XLN, NO FLO, NO VIS POR

SS- WHT FRSTY, FRI, CORSE/MED-GRNS, GD SRT, RND GRNS, SILI CMNT, IMBED BLK SH IP, NO FLO, NO VIS CUT, GD INTER-GRN POR THRU, NS

DOLO- TN, HRD DNS, VF-XLN, SUCRO MTRX THRU, NO FLO, NO VIS POR

### ARBUCKLE 3033' (-1810')

DOLO- OFF WHT, HRD, MD/VF-XLN, SUCRO MTRX THRU TO TR RE-XLN, TR VUGS, TR YEL MIN FLO, TR INTER-XLN POR TO TR INTER-VUG POR, NS

DOLO- LT TN BFF, HRD, CORSE/F-XLN, RE-XLN MTRX THRU, YEL MIN FLO IP, GD INTER-XLN POR SCAT THRU, NS

DOLO- BFF LT TN, HRD, CORSE/MED-XLN, RE-XLN MTRX THRU, TR YEL MIN FLO, GD/FR INTER-XLN POR THRU, NS

DOLO- BFF, HRD, CORSE/MED-XLN, RE-XLN MTRX THRU, TR YEL MIN FLO, FR INTER-XLN POR THRU, NS

TD @ 2:45 P.M. 03/02/13

CTCH 45 MIN.

SHORT TRIP 26 STANDS

CTCH 1 1/2 HR.

TOH FOR LOGS

CN

CN

CN

CN

CN

MUD CHECK @ 3083'  
WT 9.5  
VIS 50  
LCM 3.5#  
PV 18  
YP 15  
PH 9.0  
FIL 7.6  
CHL 500

