



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1073769  
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: \_\_\_\_\_

1073769

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. 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	BEREXCO LLC
Well Name	Roesener 1-27
Doc ID	1073769

All Electric Logs Run

Microresistivity Log
Compact Photo Density Compensated Neutron Log
Compensated Sonic Log with Integrated Transit Time
Array Induction Shallow Focused Electric Log

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Roesener 1-27
Doc ID	1073769

Tops

Name	Top	Datum
Krider	2658	-124
Winfield	2688	-154
Towanda	2722	-188
Fort Riley	2784	-250
Heebner	4219	-1685
Toronto	4235	-1701
Brown Lime	4335	-1801
Lansing	4345	-1811
Swope	4671	-2137
Hertha	4711	-2177
Kansas City (base)	4780	-2246
Marmaton	4796	-2262
Pawnee	4883	-2349
Cherokee Shale	4928	-2394
Cherokee Lime (base)	5025	-2491
Cherokee Sand	5044	-2510
Mississippi	5059	-2525
Total Depth	5194	-2660

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



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

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

Sam Brownback, Governor

February 09, 2012

Evan Mayhew  
BEREXCO LLC  
2020 N. BRAMBLEWOOD  
WICHITA, KS 67206-1094

Re: ACO1  
API 15-057-20773-00-00  
Roesener 1-27  
NE/4 Sec.27-27S-24W  
Ford 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,  
Evan Mayhew

WF

MACKLIN M. ARMSTRONG

Geologist

ROESENER # 1-27

License Number 743

316-209-5047

Scale 1:240 Imperial

Well Name: Roesener No. 1-27  
 Surface Location: Sec 27 T27S R24W  
 Bottom Location: 1752' FNL and 1452' FEL  
 API: 15-057-20773  
 License Number: 34318  
 Spud Date: 1/10/2012  
 Region: Ford County, Kansas  
 Drilling Completed: 1/22/2012  
 Surface Coordinates:  
 Bottom Hole Coordinates:  
 Ground Elevation: 2521.00ft  
 K.B. Elevation: 2534.00ft  
 Logged Interval: 2500.00ft  
 Total Depth: 5230.00ft  
 Formation: Mississippi  
 Drilling Fluid Type: Chemical/Fresh Water Gel

Time: 3:00 PM  
 Time: 7:48 AM  
 To: 5194.00ft

OPERATOR

Company: BEREXCO LLC  
 Address: 2020 North Bramblewood  
 Wichita, Kansas 67206

Contact Geologist: Jim Hickman  
 Contact Phone Nbr: 316-337-8331

Well Name: Roesener No. 1-27  
 Location: Sec 27 T27S R24W  
 Pool: Gas, Oil  
 State: Kansas

API: 15-057-20773  
 Field: Wilroads North  
 Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical  
 Longitude: 99 55' 47.828" Latitude: 37 40' 20.231"  
 N/S Co-ord:  
 E/W Co-ord:

LOGGED BY

Company:  
 Address: 100 South Ridge Road  
 Wichita, Kansas 67209

Phone Nbr: 316-209-5047  
 Logged By: Macklin M. Armstromg Name: Kansas License Number 743

CONTRACTOR

Contractor: BEREDCO  
 Rig #: 2

Spud Date: 1/10/2012  
 TD Date: 1/22/2012  
 Rig Release: 1/23/2012

Time: 3:00 PM  
 Time: 7:48 AM  
 Time: 9:30 PM

**ELEVATIONS**

K.B. Elevation: 2534.00ft  
 K.B. to Ground: 13.00ft  
 Ground Elevation: 2521.00ft

**NOTES**

Date	Depth at 7 am	Activity
1-10-11	MIRU	Spud at 3 pm
1-11-12	597	Short Trip after CTCH
1-12-12	900	Drilling
1-13-12	2173	Drilling
1-14-12	2720	TIH for DST No. 1
1-15-12	3025	Drilling
1-16-12	3607	Drilling
1-17-12	4110	Drilling
1-18-12	4560	Drilling
1-19-12	4895	Drilling
1-20-12	4930	TIH after DST No. 2
1-21-12	5100	TOH for DST No. 3
1-22-12	5185	Drilling
1-23-12	5230	Set 5 1/2"

Surface Casing: 8 5/8" 20# at 597  
 Production Casing: 5 1/2" 15.5# from 5194 to 4894 and 5 1/2" 14# from 4894 to surface

Deviation: 597 - 0.25 deg; 3607 - 1.5 deg; 5230 - 1.5 deg

Bit Record:	Make	Type	Depth In	Depth Out	Hours
	Smith	F271	597	5230	132

**Drill Stem Tests:**

DST No. 1 2672 to 2720 Formation: Krider  
 30-60-60-60  
 Recovery: 540' GIP  
 360' GMW (10% gas, 20% mud, 70% water - Chl 90,000 ppm)  
 IHP 1357 FHP 1257  
 IFP 32-97 FFP 105-184  
 ISIP 527 FSIP 497  
 Temp 85 deg

DST No. 2 4890 to 4930 Formation: Pawnee  
 30-60-45-90  
 Recovery: 750' GIP  
 95' GM (15%G, 85%M)  
 180' GMCO (30%G, 22%M, 48%O)  
 IHP 2386 FHP 2363  
 IFP 31-77 FFP 85-131  
 ISIP 1356 FSIP 1360  
 Temp 113 deg

DST No. 3 5078 to 5100 Formation: Cherokee Sand Zone and Mississippi  
 30-60-45-90  
 Recovery: 58' GCM (10%G, 90%M)  
 Initial Open: GTS in 5", 10" - TSTM, 20" - TSTM, 30" - 24 MCFG  
 Final Open: 10" - 32 MCFG, 20" 28 MCFG, 30" - 24 MCFG, 40" - TSTM  
 IHP 2480 FHP 2433  
 IFP 48-20 FFP 22-12  
 ISIP 1084 FSIP 1376  
 Temp 116 deg

Formation	Sample*	E-Log	Datum	Well 1	Well 2	Well 3
Krider	2698	2658	-124	+9		
Windfield	2728	2688	-154	+13		
Towanda	2762	2722	-188	+9		
Fort Riley	2824	2784	-250	+7		
Heebner	4255	4219	-1685	+4	0	+11
Toronto	4270	4235	-1701	+8	+5	+12
Brown Lime	4375	4335	-1801	+6	0	+11
Lansing	4384	4345	-1811	+6	0	+10
Swope	4708	4671	-2137	+9	+11	+21
Hertha	4749	4711	-2177	+12	+6	+18
B/Kansas City	4818	4780	-2246	+13	+8	+21
Marmton	4834	4796	-2262	+13	+11	+24
Pawnee	4921	4883	-2349	+4	+4	+15
Cherokee Shale	4966	4928	-2394	+7	+5	+18
Lower Cherokee Shale	4994	4957	-2422	+11	+5	+21

Cherokee Shale	4966	4928	-2394	+7	+5	+18
Lower Cherokee Shale	4994	4957	-2423	+11	+5	+21
B/Cherokee Lime	5062	5025	-2491	+9	+4	+21
Cherokee Sand Zone	5080	5044	-2510	+7	+3	
Mississippi	5094	5059	-2525	+8	+8	
Total Depth	5230	5194	-2660			+35

Well 1: J. Mark Richardson Rennich No. 1 NE NE NE Sec 27 T27S R24W  
 Well 2: Pickrell Drilling Company Roenfeldt No. 1-A NE SE SW Sec 22 T27S R24W  
 Well 3: Sam Gary Oil Producer Barngrover No. 26-4 NW NW NW Sec 26 T22S R23W  
 \*A pipe strap at 4930 feet was 31 feet short to the board and the electric log formation tops were 35 to 40 feet shallower than the geological log formation tops. Therefore, sample tops should be corrected accordingly.

Due to the results of the Drill Stem Tests and the electric log calculations, it was decided to set production pipe set to further test the Krider, Pawnee, Cherokee Sand, and Mississippi zones.

Respectfully submitted,  
 Macklin M. Armstrong

**ROCK TYPES**

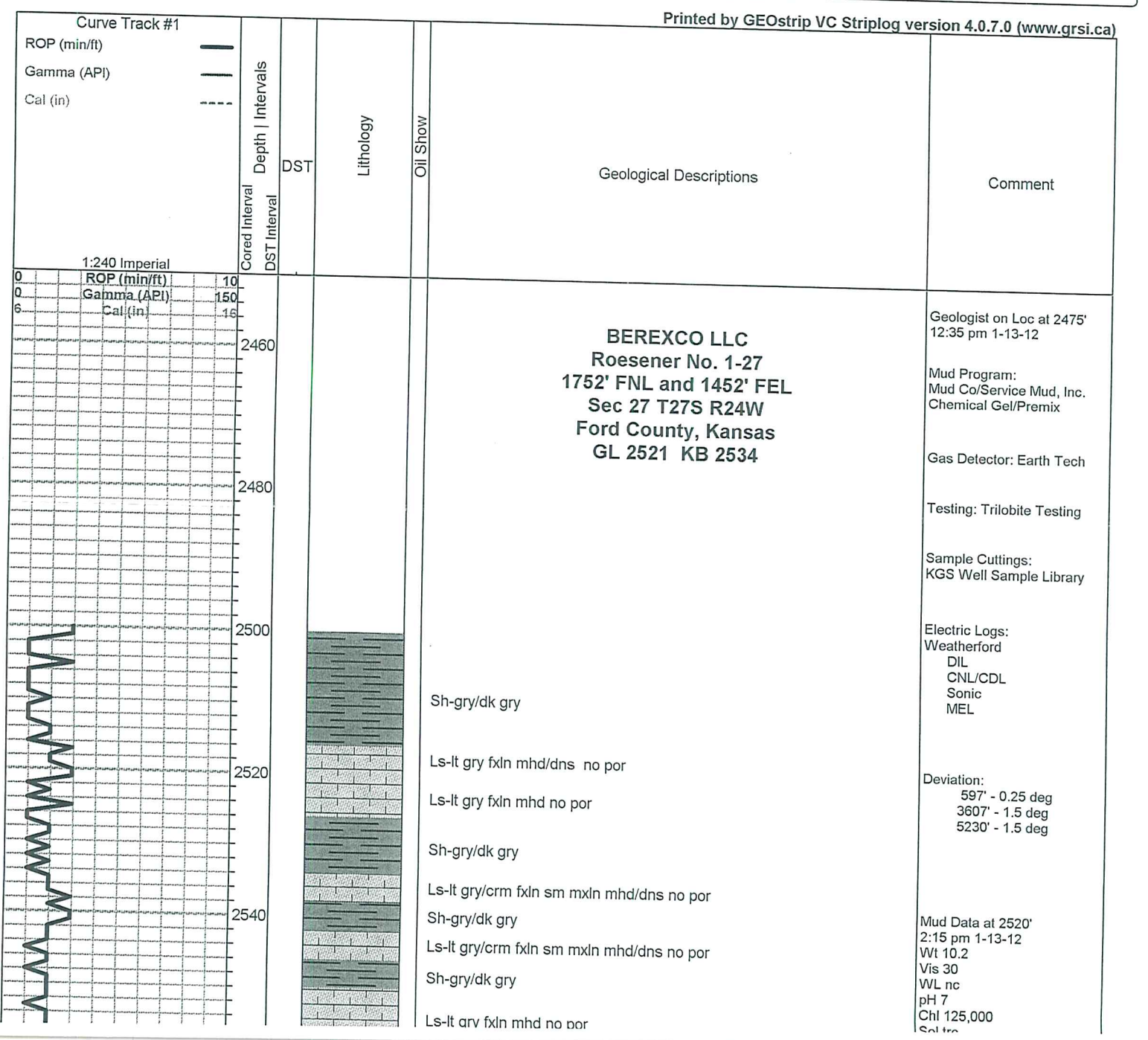
Cht	Lmst fw7> shale, gry	Carbon Sh
Dolprim		

**ACCESSORIES**

<b>MINERAL</b> △ Chert White	<b>FOSSIL</b> F Fossils < 20% φ Oolite	<b>STRINGER</b> Dolomite Limestone Shale green shale carb shale	<b>TEXTURE</b> C Chalky
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**OTHER SYMBOLS**

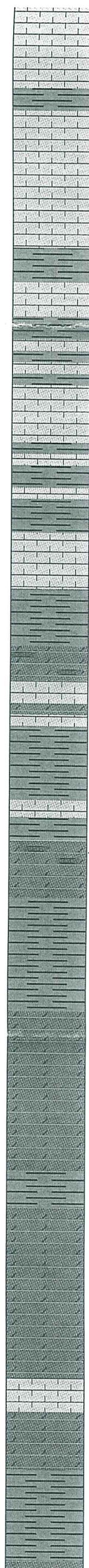
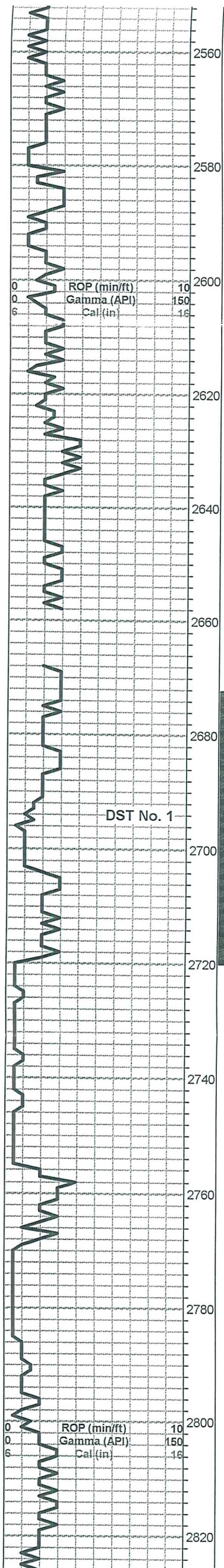
**DST**  
 DST Int  
 DST alt  
 Core



**BEREXCO LLC**  
**Roesener No. 1-27**  
**1752' FNL and 1452' FEL**  
**Sec 27 T27S R24W**  
**Ford County, Kansas**  
**GL 2521 KB 2534**

Sh-gry/dk gry  
 Ls-lt gry fxln mhd/dns no por  
 Ls-lt gry fxln mhd no por  
 Sh-gry/dk gry  
 Ls-lt gry/crm fxln sm mxln mhd/dns no por  
 Sh-gry/dk gry  
 Ls-lt gry/crm fxln sm mxln mhd/dns no por  
 Sh-gry/dk gry  
 Ls-lt arv fxln mhd no por





Ls-lt gry fxln mhd no por

Ls-AA

Sh-gry/dk gry

Ls-lt gry/gry fxln sm mxln mhd no por

Ls-lt gry/gry fxln soft fr interxln por nsfo

Ls-lt gry/gry fxln mhd/dns no por

Ls-lt gry/gry fxln soft/mhd pr interxln por nsfo

Sh-gry/dk gry

Ls-lt gry fxln mhd no por

Sh-gry/dk gry

Sh-AA

Sh-gry/dk gry

Ls-lt gry/gry fxln mhd/dns no por

Sh-gry/dk gry

Sh-AA

Sh-gry/dk gry

Ls-lt gry fxln mhd/dns no por

Sh-gry/dk gry

Dolo-gry fxln to sl suc sl lmy mhd/dns no por

Ls-tan/lt gry fxln mhd/dns no por

Dolo-AA

Sh-gry/dk gry

Sh-AA

Ls-tan/lt gry fxln mhd no por

Sh-gry/dk gry

-----Krider 2698 -164-----

\* Dolo-tan/lt gry f/mxln to sl suc soft sl lmy sl fos gd interxln por trc vug por nsfo or gas

Dolo-gry fxln to fsuc dns no por

Sh-gry/dk gry/red

Sh-AA

-----Winfield 2728 -194-----

Dolo-lt gry fxln soft gd interxln por nsfo or gas

Dolo-AA

Dolo-lt gry/gry fsuc dns no por

Sh-gry/dk gry

-----Towanda 2762 -228-----

Dolo/lt gry/gry fxln to fsuc dns no por

Dolo-tan/gry fxln to fsuc mhd pr interxln por nsfo or gas

Dolo-AA

Dolo-tan/gry fxln to fsuc mhd no por

Ls-gry/lt gry fxln mhd sl dolo no por

Dolo-gry fxln to sl suc mhd/dns no por

Sh-gry/dk gry/red

Sh-AA

-----Fort Riley 2824 -290-----

Chi 125,000  
Sol trc  
YP 10

Reset Clock at 2558'

CFS at 2690' - 30"

22 units total gas

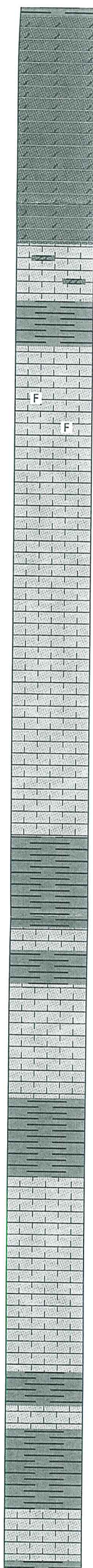
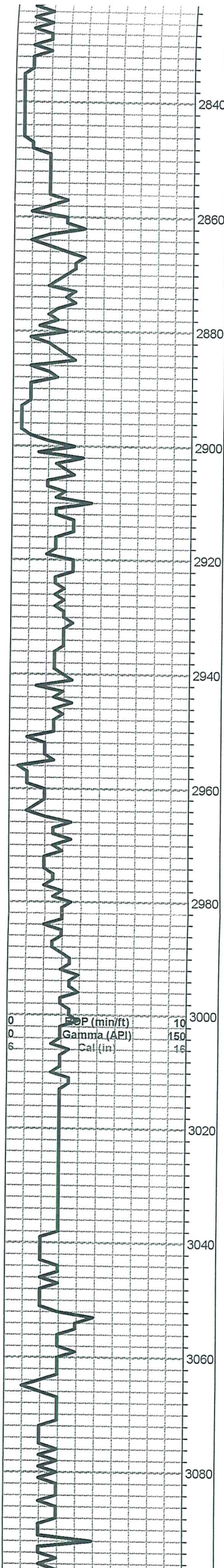
Pulled 10 stnd short trip at 2720' then spotted tank of mud on bottom for test. Cir to condition hole - 90"

CFS at 2720' - 60"

DST No. 1 2672 to 2720  
30-60-60-60  
1st Open: BOB in 7"  
2nd Open BOB in 7"  
Rec: 540' GIP  
360' GMW (10%G  
20%M,70%W  
chl 23,000 ppm)  
IHP 1357 FHP 1257  
IFP 32-97 FFP 105-184  
ISIP 527 FSIP 497  
Temp 85 deg

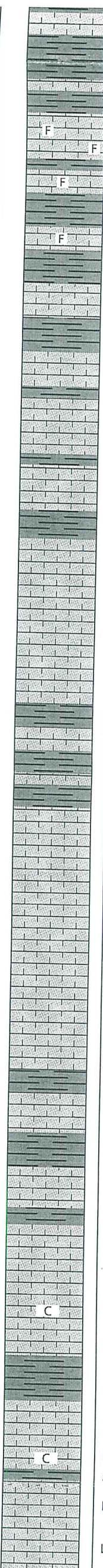
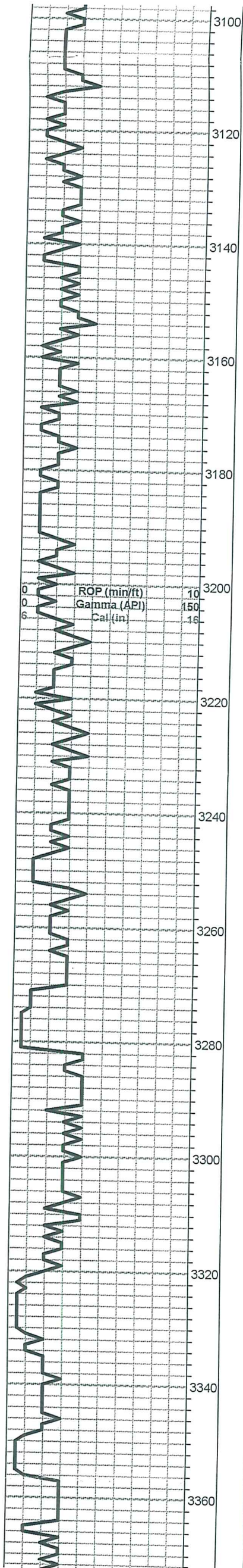
Mud Data at 2720'  
2:20 pm 1-14-12  
Wt 9.2  
Vis 29  
WL nc  
pH 7  
Chi 71,000  
Sol 2.2%  
YP nc

Fort Riley 2824 -290



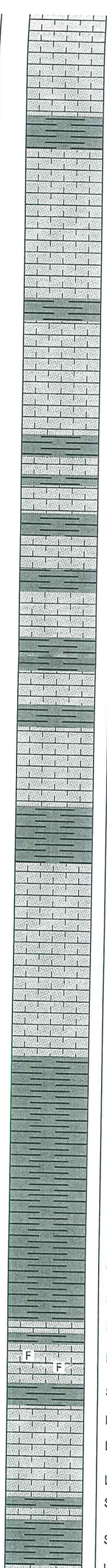
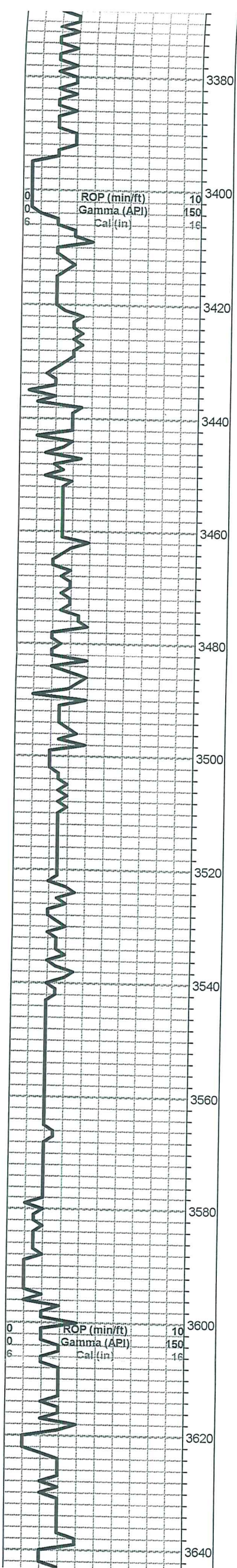
- Dolo-gry fxln to sl suc mhd/dns no por
- Dolo-AA
- Dolo-gry fxln to sl suc mhd pr interxln por nsfo
- Dolo-AA
- Dolo-gry/lt gry fxln mhd no por
- Dolo-AA
- Ls-gry/lt gry fxln mhd/dns sl dolo sl fos no por
- Sh-gry/dk gry
- Ls-gry/lt gry fxln dns no por
- Ls-gry/lt gry fxln sl fos pr/fr interxln por nsfo
- Ls-lt gry fxln dns no por
- Ls-AA
- Ls-lt gry fxln dns no por
- Ls-AA
- Ls-lt gry fxln dns no por
- Ls-AA
- Ls-lt gry/gry wt fxln mhd no por
- Ls-AA
- Sh-gry/dk gry
- Sh-AA
- Ls-lt gry/gry wt fxln mhd/dns no por
- Sh-gry/dk gry
- Ls-lt gry/gry wt fxln dns no por
- Ls-AA
- Ls-AA
- Sh-gry/dk gry
- Sh-AA
- Ls-lt gry fxln mhd/dns no por
- Ls-AA
- Ls-lt gry fxln mhd no por
- Ls-AA
- Ls-lt gry fxln dns no por
- Ls-AA
- Sh-gry/dk gry
- Ls-lt gry/gry wt fxln mhd/dns no por
- Sh-gry/dk gry
- Sh-AA
- Ls-lt gry/gry wt fxln mhd no por
- Sh-gry/dk gry

0 10  
 0 Gamma (API) 150  
 6 Cal (in) 16



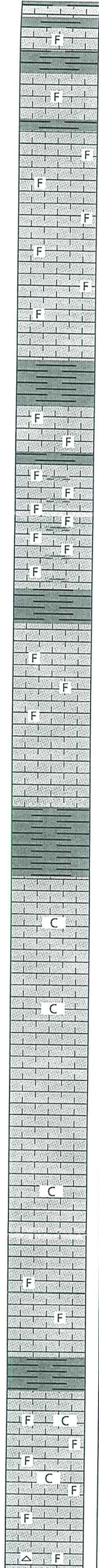
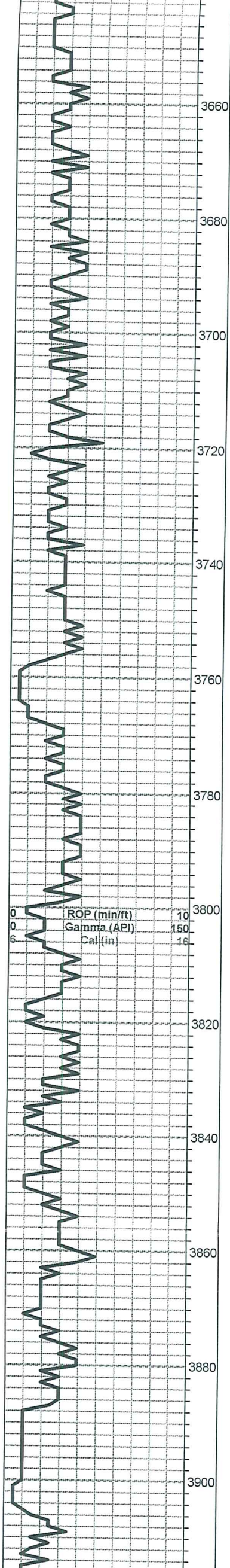
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 Sh-gry/dk gry  
 Ls-lt gry fxln dns no por  
 Sh-gry/dk gry  
 F  
 Ls-lt gry/tan fxln mhd fos pr interxln por nsfo  
 F  
 Sh-gry/dk gry  
 Ls-lt gry/tan fxln mhd fos pr interxln por nsfo  
 Sh-gry/dk gry  
 F  
 Ls-lt gry/tan fxln mhd fos pr interxln por nsfo  
 Sh-gry/dk gry  
 Ls-lt gry/tan fxln mhd/dns no por  
 Ls-AA  
 Ls-lt gry/tan fxln mhd pr interxln por nsfo  
 Sh-gry/dk gry  
 Ls-lt gry/tan fxln mhd pr interxln por nsfo  
 Sh-gry/dk gry  
 Ls-lt gry/tan fxln mhd/dns no por  
 Sh-gry/dk gry  
 Ls-lt gry/tan fxln mhd/dns no por  
 Ls-lt gry/gry wt fxln mhd pr interxln por nsfo  
 Ls-lt gry/gry wt fxln mhd/dns no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-lt gry fxln mhd no por  
 Sh-gry/dk gry  
 Sh-gry/dk gry  
 Ls-lt gry/gry wt fxln mhd no por  
 Ls-lt gry/gry wt fxln soft/mhd fr interxln por nsfo  
 Ls-lt gry/gry wt fxln mhd no por  
 Ls-AA  
 Ls-AA  
 Ls-lt gry/wt fxln soft/mhd gd interxln por nsfo  
 Ls-lt gry fxln dns no por  
 Sh-gry/dk gry  
 Ls-lt gry fxln dns no por  
 Sh-gry/dk gry  
 Ls-lt gry/gry wt fxln mhd no por  
 Sh-gry/dk gry  
 Ls-tan/crm fxln dns no por  
 C  
 Ls-tan/crm fxln soft sl clky fr/gd interxln por nsfo  
 Ls-tan/lt gry fxln dns no por  
 Sh-gry/dk gry  
 Ls-tan/crm fxln dns no por  
 C  
 Ls-tan/crm fxln soft sl clky fr/gd interxln por nsfo  
 Sh-gry/dk gry  
 Ls-tan/crm/lt gry fxln dns no por  
 Ls-AA

Mud Data at 3247'  
 4:15 pm 1-15-12  
 Wt 9.5  
 Vis 32  
 WL nc  
 pH 7  
 Chl 32,000  
 Sol trc  
 YP 14

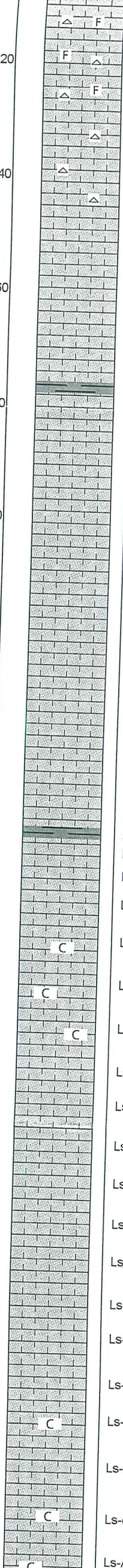
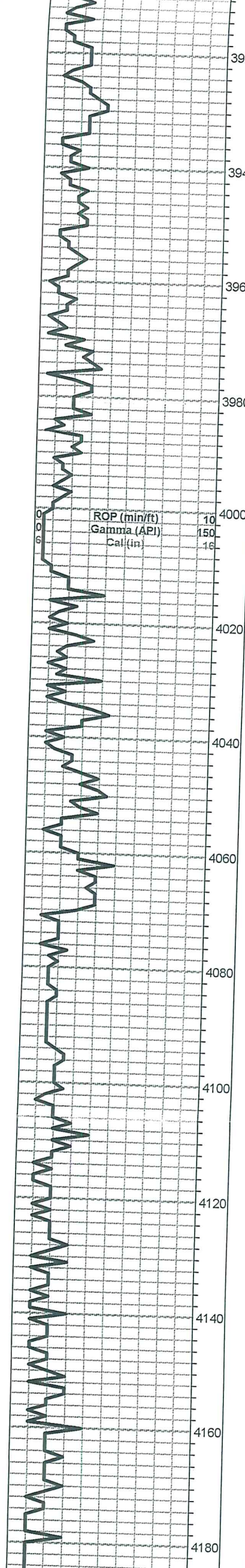


LS-AA  
Ls-tan/crm/lt gry fxln dns no por  
Ls-AA  
Sh-gry/dk gry  
Ls-tan/crm fxln dns no por  
Ls-tan/crm fxln soft gd interxln por nsfo  
Ls-tan/lt gry fxln dns no por  
Ls-AA  
Sh-gry/dk gry  
Ls-tan/lt gry fxln dns no por  
Ls-AA  
Ls-tan/lt gry fxln mhd pr interxln por nsfo  
Ls-tan/lt gry fxln dns no por  
Sh-gry/dk gry  
Ls-tan/lt gry fxln mhd/dns no por  
Sh-gry/dk gry  
Ls-tan/lt gry fxln dns no por  
Sh-gry/dk gry  
Ls-lt gry/gry fxln mhd/dns no por  
Sh-gry/dk gry  
Ls-lt gry/gry fxln mhd/dns no por  
Sh-gry/dk gry  
Ls-lt gry/gry fxln mhd/dns no por  
Sh-gry/dk gry  
Ls-lt gry/gry fxln mhd no por  
Ls-AA  
Sh-gry/dk gry/dk grn  
Ls-lt gry/gry wt fxln mhd no por  
Ls-AA  
Ls-lt gry/gry wt/crm fxln mhd no por  
Ls-AA  
Sh-gry/dk gry/gry grn  
Sh-AA  
Sh-AA  
Sh-gry/dk gry  
Sh-AA  
Sh-AA  
Ls-lt gry/crm fxln mhd no por  
Ls-crm f/mxln mhd sl fos no por  
Sh-gry/dk gry  
Ls-tan/lt gry fxln mhd/dns no por  
Ls-crm f/mxln soft/mhd fr interxln por nsfo  
Ls-crm fxln mhd/dns no por  
Sh-gry/dk gry  
Sh-gry/dk gry  
Ls-crm/lt gry fxln mhd no por

Vis 50  
 WL 8  
 pH 10.5  
 Chl 7800  
 Sol 3.8%  
 YP 20

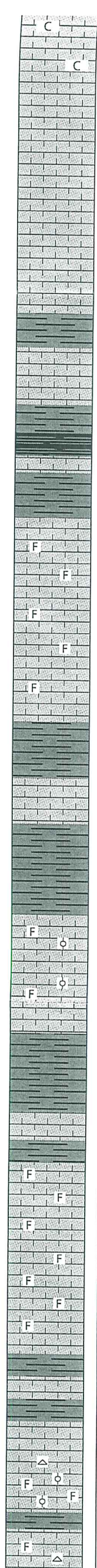
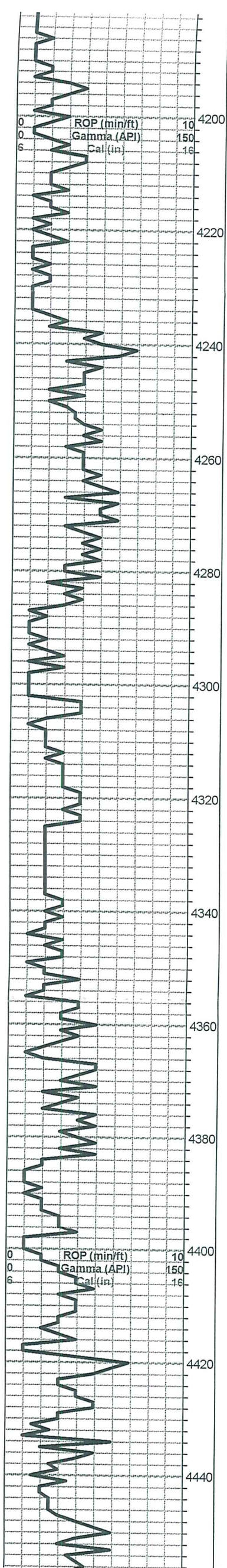


Ls-crm/lt gry fxln mhd no por  
 Sh-gry/dk gry  
 F  
 Ls-crm/lt gry f/xxln mhd sl fos no por  
 Sh-gry/dk gry  
 F  
 Ls-crm/tan/gry f/mxln sl fos no por  
 Sh-gry/dk gry  
 F  
 Ls-crm/tan/gry f/mxln mhd sl fos no por  
 F  
 Ls-AA  
 F  
 Ls-crm/tan f/mxln mhd sl fos no por  
 F  
 Ls-AA  
 F  
 Ls-AA  
 Sh-gry/dk gry  
 F  
 Ls-gry fxln mhd/dns sl fos no por  
 F  
 Ls-gry f/mxln soft/mhd sl fos pr interxln por nsfo  
 Sh-gry/dk gry  
 F  
 Ls-tan/gry m/cxln to sl frag mhd fos sl shly no por  
 F  
 Ls-AA  
 F  
 Ls-AA  
 F  
 Ls-AA  
 Sh-gry/dk gry  
 F  
 Ls-crm/tan fxln dns sl fos no por  
 F  
 Ls-crm/tan m/cxln to sl frg soft/mhd sl fos fr/gd interxln por nsfo  
 F  
 Ls-AA  
 Ls-crm/tan fxln mhd/dns no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-crm/lt tan fxln mhd/dns no por  
 C  
 Ls-crm/lt tan f/mxln mhd sl clk pr interxln por nsfo  
 Ls-crm/tan/lt gry fxln dns no por  
 C  
 Ls-crm f/mxln soft sl clk pr interxln/vug por nsfo  
 Ls-crm f/mxln mhd/dns no por  
 Ls-AA  
 Ls-crm/ f/mxln soft trc vug por nsfo  
 Ls-crm f/mxln mhd/dng no por  
 C  
 Ls-crm/tan fxln soft sl clk pr/fr interxln por nsfo  
 Ls-crm/tan fxln mhd no por  
 Ls-AA  
 F  
 Ls-tan f/mxln mhd sl fos pr interxln por nsfo  
 F  
 Ls-AA  
 Ls-tan/lt gry fxln mhd/dns sl fos no por  
 Sh-gry/dk gry  
 Ls-tan/lt gry fxln mhd/dns sl fos no por  
 F  
 Ls-tan f/mxln soft sl clk sl fos pr/fr interxln por nsfo  
 C  
 F  
 Ls-AA  
 C  
 Ls-AA  
 F  
 Ls-AA  
 F  
 Ls- tan fxln dns sl fos no por  
 △ F  
 Ls-tan fxln mhd sl fos pr interxln por nsfo trc Cht-wt fsh

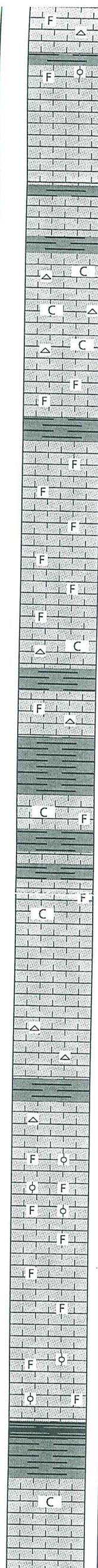
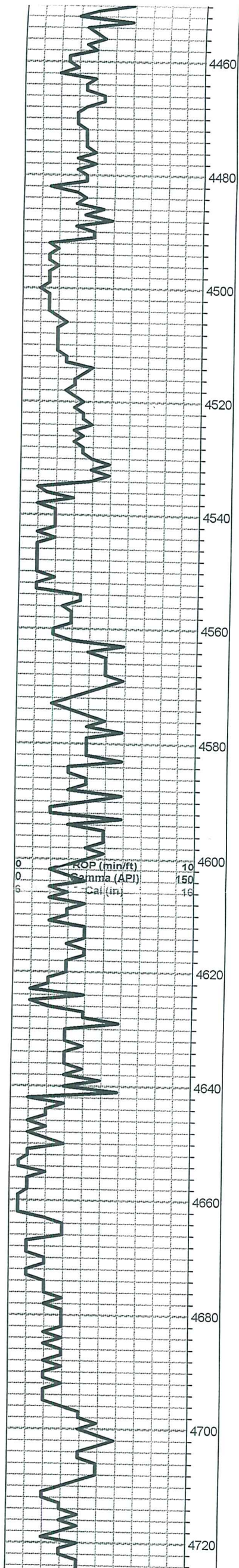


Ls-tan fxln mhd sl fos pr interxln por nsfo trc Cht-wt fsh  
 Ls-tan fxln mhd/dns sl fos no por trc Cht-AA  
 Ls-AA trc Cht-wt fsh  
 Ls-tan fxln dns no por  
 Ls-tan f/mxln mhd pr interxln por nsfo trc Cht-wt/crm fsh  
 Ls-tan f/mxln mhd/dns no por trc Cht-AA  
 Ls-tan f/mxln soft/mhd pr interxln por nsfo  
 Ls-tan f/mxln mhd no por  
 Ls-tan f/mxln soft/mhd pr interxln por nsfo  
 Ls-AA  
 Ls-tan fxln dns no por  
 Sh-gry/dk gry  
 Ls-tan fxln dns no por  
 Ls-tan f/mxln soft/mdh pr interxln por nsfo  
 Ls-tan f/mxln dns no por  
 Ls-tan f/mxln mhd no por  
 Ls-tan/crm f/mxln soft pr/fr interxln por nsfo  
 Ls-AA  
 Ls-tan/crm f/mxln dns no por  
 Ls-crm/tan f/mxln mhd pr interxln por nsfo  
 Ls-AA  
 Ls-AA  
 Ls-crm/tan fxln dns no por  
 Ls-crm/tan fxln mhd fr vug por nsfo  
 Ls-crm/lt gry fxln dns no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-crm/tan fxln mhd pr interxln por nsfo  
 Ls-crm/lt tan fxln dns no por  
 Ls-AA  
 Ls-crm/lt tan f/mxln mhd sl clkly pr interxln/vug por nsfo  
 Ls-AA  
 Ls-AA  
 Ls-crm/lt gry fxln mhd no por  
 Ls-AA  
 Ls-crm/lt gry fxln dns no por  
 Ls-crm/lt gry f/mxln mhd pr interxln por nsfo  
 Ls-AA  
 Ls-crm/tan fxln mhd no por  
 Ls-AA  
 Ls-crm/tan/lt gry fxln mhd no por  
 Ls-AA  
 Ls-crm fxln mhd sl clkly pr interxln por nsfo  
 Ls-crm/lt tan fxln mhd/dns no por  
 Ls-crm/lt gry fxln soft/mhd sl clkly pr/fr interxln por nsfo  
 Ls-AA

Mud Data at 4130'  
 6:45 am 1-17-12  
 Wt 9.2  
 Vis 45  
 WL 7.2  
 pH 10.5  
 Chl 5700  
 Sol 6.1%  
 YP 15  
 LCM trc



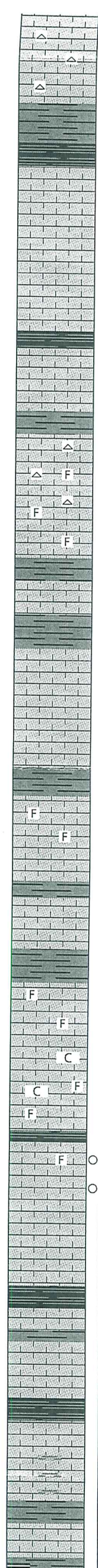
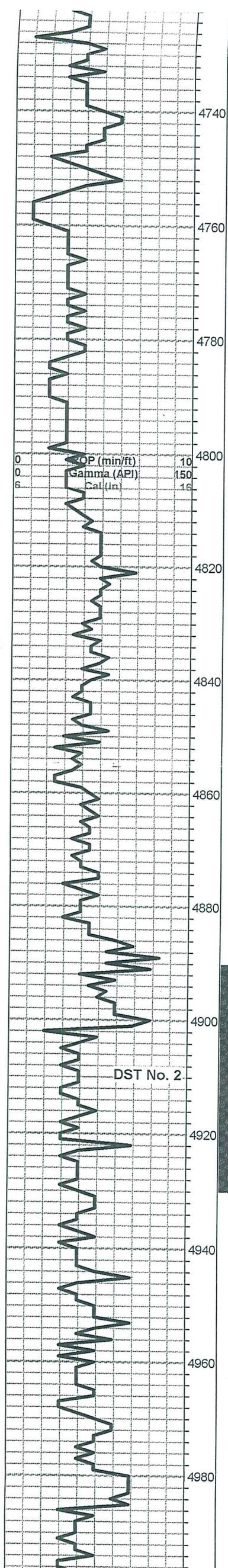
Ls-AA  
 Ls-AA  
 Ls-crm/lt gry tan fxln dns no por  
 Ls-crm/lt gry fxln soft/mhd pr interxln por nsfo  
 Sh-blk carb  
 Ls-crm/lt gry fxln dns no por  
 Ls-crm/tan fxln mhd no por  
 Ls-AA  
 Ls-crm/tan fxln mhd no por  
 Sh-gry/dk gry  
 Ls-crm/lt tan fxln dns no por  
 Ls-crm/tan fxln mhd/dns no por  
 Sh-gry/dk gry  
 -----Heebner 4255 -1721-----  
 Sh-blk carb  
 Ls-tan fxln dns no por  
 Sh-gry/dk gry  
 -----Toronto 4270 -1736-----  
 Ls-crm fxln mhd/dns sl fos no por  
 Ls-AA  
 Ls-crm fxln soft/mhd sl fos pr interxln por nsfo  
 Ls-AA  
 Ls-crm/tan fxln dns no por  
 Sh-gry/dk gry  
 Ls-tan/brn fxln mhd/dns no por  
 Sh-gry/dk gry  
 Sh-AA  
 Ls-crm/tan f/mxln soft/mhd fos sl ool pr interxln por nsfo  
 Ls-tan/brn fxln dns no por  
 Ls-tan/brn f/mxln soft fos sl ool pr pp/interxln por nsfo  
 Ls-tan/brn fxln dns no por  
 Sh-gry/dk gry  
 Sh-AA  
 -----Brown Lime 4375 -1841-----  
 Ls-brn fxln mhd/dns no por  
 -----Lansing 4384 -1850-----  
 Ls-tan/gry f/mxln soft/mhd fos pr/fr interxln por nsfo  
 Ls-tan/gry fxln dns sl fos no por  
 Ls-tan/gry f/mxln soft/mhd fos pr/fr interxln por nsfo  
 Ls-tan fxln dns sl fos no por  
 Ls-crm f/mxln mhd fos pr interxln por nsfo  
 Sh-gry/dk gry  
 Ls-crm/tan f/mxln dns no por  
 Sh-gry/dk gry  
 Ls-crm/tan fxln mhd pr pp/vug por nsfo  
 Ls-crm/tan fxln dns no por sm Cht-crm/tan fsh opac fos  
 Ls-crm/tan f/mxln soft/mhd fos sl ool pr pp por nsfo  
 Sh-gry/dk gry  
 Ls-crm/tan fxln dns fos no por sm Cht-crm/tan fsh opac



Ls-crm/tan fxln dns fos no por sm Cht-crm/tan fsh opac  
 Sh-gry/dk gry  
 Ls-crm/tan f/mxln mhd fos sl ool pr pp por nsfo  
 Ls-crm/tan f/mxln dns no por  
 Ls-crm/tan fxln mhd/dns no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-crm/tan fxln dns no por  
 Sh-gry/dk gry  
 Ls-crm fxln soft/mhd clk pr pp por nsfo sm Cht-wt/tan fsh opac  
 Ls-AA sim Cht-AA  
 Ls-crm fxln mhd clk pr pp por nsfo sm Cht-wt/tan fsh opac  
 Ls-tan f/mxln mhd/dns sl fos no por  
 Sh-gry/dk gry  
 Ls-tan f/mxln dns sl fos no por  
 Ls-tan f/mxln mhd sl fos no por  
 Ls-AA  
 Ls-tan/crm/tan/lt brn f/mxln soft fos fr pp/vug por nsfo  
 Ls-tan fxln dns sl fos no por  
 Ls-crm/off wt f/mxln dns sl clk no por sm Cht-wt fsh opac  
 Sh-gry/dk gry  
 Ls-crm/off wt f/mxln mhd sl fos pr interxln por nsfo sm Cht-AA  
 Sh-gry/dk gry  
 Ls-crm/lt tan f/mxln mhd clk sl fos pr interxln por nsfo  
 Sh-gry/dk gry  
 Ls-crm/lt tan f/mxln sl clk sl fos no por  
 Sh-gry/dk gry  
 Ls-crm/tan f/mxln mhd sl clk sl fos pr interxln por nsfo  
 Ls-crm/tan fxln dns no por  
 Ls-crm/tan fxln mhd pr interxln por nsfo  
 Ls-crm/tan fxln dns no por sm Cht-wt/gr wt fsh opac  
 Ls-crm/tan fxln mhd no por sm Cht-AA  
 Sh-gry/dk gry  
 Ls-crm/tan fxln s/mhd pr interxln por nsfo sm Cht wt/gr wt fsh  
 Ls-crm/tan f/mxln soft fos ool and ooc gd ooc por nsfo  
 Ls-AA  
 Ls-tan f/mxln dns sl fos no por sm Cht-wt/gry wt fsh opac  
 Ls-tan f/mxln mhd sl fos no por sm Cht-AA  
 Ls-tan fxln dns sl fos no por  
 Ls-crm/lt tan fxln mhd sl fos sl ool no por  
 Ls-crm/lt tan fxln dns sl fos no por sm Cht-It gry fsh opac  
 Sh-blk carb  
 Sh-gry/dk gry  
 -----Swope 4708 -2174-----  
 Ls-crm/lt tan fxln soft/mhd clk pr pp por nsfo  
 Ls-crm/lt tan fxln mhd/dns no por  
 Ls-AA

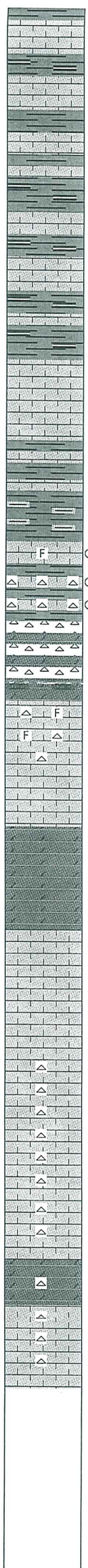
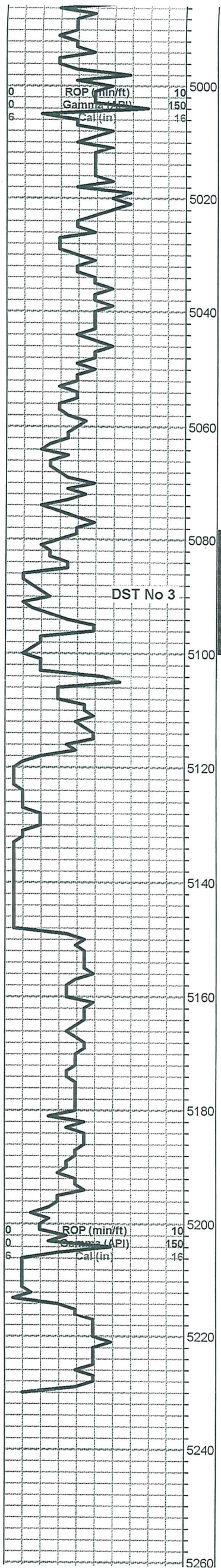
Mud Data at 4534'  
 5:10 am 1-18-12  
 Wt 9.35  
 Vis 53  
 WL 8  
 pH 9.5  
 Chl 4400  
 Sol 6.9%  
 YP 17  
 LCM 1 1/2#





LS-AA  
 Ls-crm/tan fxln mhd no por sm Cht-gry wt fsh opac  
 Ls-crm/tan fxln dns no por trc Cht-AA  
 Sh-gry/dk gry  
 Sh-blk carb  
 -----Hertha 4749 -2215-----  
 Ls-tan fxln dns no por  
 Ls-tan fxln soft/mhd fr/gd interxln por nsfo  
 Ls-tan fxln dns no por  
 Ls-AA  
 Ls-AA  
 Sh-blk carb  
 Ls-tan fxln dns no por  
 Ls-crm/tan fxln mhd no por  
 Sh-gry/dk gry  
 Ls-tan fxln mhd/dns sl fos no por sm Cht-wt fsh opac  
 Ls-AA  
 Ls-tan fxln dns sl fos no por  
 -----B/KansasCity 4818 -2284-----  
 Sh-gry/dk gry/gry grn  
 Ls-gry/brn fxln dns no por  
 Sh-gry/dk gry  
 -----Marmaton 4834 -2300-----  
 Ls-gry/brn fxln dns no por  
 Ls-tan/brn fxln dns no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-tan fm xln dns sl fos no por  
 Ls-AA  
 Sh-gry/dk gry  
 Ls-crm/tan fxln dns no por  
 Sh-gry/dk gry  
 Ls-crm/tan fxln dns sl fos no por  
 Ls-crm/tan fxln sm mxln mhd sl clkly no por  
 Ls-AA  
 Ls-crm/tan fxln mhd sl clkly sl fos no por  
 -----Pawnee 4921 -2387-----  
 Ls-crm/tan fxln mhd sl fos pr interxln por trc stn in few pcs  
 Ls-AA  
 Ls-gry/tan fxln dns no por  
 Ls-gry/tan fxln dns no por  
 Sh-blk carb  
 Ls-tan/gry fxln dns no por  
 Sh-gry/dk gry  
 Ls-tan/gry fxln mhd/dns no por  
 -----Cherokee Shale 4966 -2432-----  
 Ls-tan/gry brn fxln dns no por  
 Ls-tan/gry/brn f/mxln mhd/dns no por  
 Ls-tan/brn fxln dns sl shly no por  
 Sh-gry/dk gry  
 Ls-tan/brn fxln dns no por  
 -----Lower Cherokee Shale 4994 -2460-----  
 Sh-arv/dk arv/sm blk

6 units total gas  
 CFS at 4840' - 60"  
 5 units total gas  
 6 units total gas  
 Mud Data at 4924'  
 9:30 am 1-19-12  
 Wt 9.25  
 Vis 51  
 WL 6.8  
 pH 9.5  
 Chl 2800  
 Sol 6.3  
 YP 18  
 LCM 1 1/2#  
 CFS at 4911' - 60"  
 6 units total gas  
 CFS at 4930' - 60"  
 Pulled 25 stand short trip at 4930' then Cir for Test - 60"  
 Pipe strap at 4930' - 31' short  
 DST No. 2 4890 to 4930  
 30-60-45-90  
 1st Open: BOB in 2.5 min  
 2nd Open: BOB in 20 sec  
 Rec: 750' GIP  
 95' GM (15%M 85%O)  
 180' GMCO (30%, 22%M, 48%O)  
 IHP 2386 FHP 2363  
 IFP 31-77 FFP 85-131  
 ISIP 1356 FSIP 1360  
 Temp 113 deg  
 Mud Data at 4930'  
 6:35 am 1-20-12  
 Wt 9.35  
 Vie 47



Sh-gry/dk gry  
 Ls-tan/brn fxln dns no por  
 -----Lower Cherokee Shale 4994 -2460-----  
 Sh-gry/dk gry/sm blk  
 Ls-tan/brn f/mxln dns no por  
 Sh-gry/dk gry  
 Ls-gry/brn f/mxln dns no por  
 Sh-gry/dk gry  
 Sh-gry/dk gry/blk  
 Ls-gry/tan/brn f/mxln dns no por  
 Sh-gry/dk gry/blk  
 Ls-tan/gry/brn fxln dns no por  
 Sh-gry/dk gry/blk  
 Sh-gry/dk gry/blk  
 Ls-crm/tan fxln dns no por  
 Ls-AA  
 -----B/Cherokee Lime 5062 -2528-----  
 Ls-crm/tan fxln mhd no por  
 Sh-gry/dk gry  
 Ls-lt gry/wt fxln dns sl fos no por  
 Sh-gry/dk gry/gry grn  
 -----Cherokee Sand Zone 5080 -2546-----  
 Ls-wt fxln mhd sl fos sl show gas bub on brk in few pcs  
 Cht-wt weat and trip fr vug por scat lt brn stn sl fluor fr cut  
 Cht-AA  
 -----Mississippi 5094 -2560-----  
 Dolo-lt gry/tan fsuc soft/mdh pr por nsfo and Cht wt fsh opac no por nsfo or gas  
 Dolo-lt gry/tan fsuc mhd/dns sl imy no por  
 Ls-wt/crm fxln mhd/dns sl fos no por sm Cht-wt fsh and weat  
 Ls-AA sm Cht-AA  
 Ls-wt/crm fxln soft fr interxln por nsfo or gas  
 Ls-wt/crm fxln mhd no por  
 Dolo-wt/lt tan/crm fxln to fxuc soft pr/fr pp por nsfo  
 Dolo-AA  
 Ls-crm/lt tan fxln mhd/dns no por  
 Ls-AA  
 Ls-crm/lt tan mhd/dns no por sm Cht-wt fsh opac  
 Ls-AA sm Cht-AA  
 Ls-crm/lt tanfxln mhd/dns no por sm Cht-wt fsh opac  
 Ls-crm/lt tan fxln mhd no por sm Cht-AA  
 Ls-crm/lt tan fxln dns no por sm Cht-AA  
 Dolo-crm/lt tan fxln to fsuc mhd pr pp por sm Cht-wt fsh opac  
 Ls-crm/lt tan/wt fxln dns sm Cht-wt/gry wt fsh opac  
 Ls-AA sm Cht-AA  
 -----RTD 5230 -2696-----

Mud Data at 4930'  
 6:35 am 1-20-12  
 Wt 9.35  
 Vis 47  
 WL 8  
 pH 9.5  
 Chl 4100  
 Sol 6.9%  
 YP 15  
 LCM 1 1/2#

DST No. 3 5078 to 5100  
 30-60-45-90  
 1st Open: GTS in 5"  
 10" TSTM  
 20" TSTM  
 30" 24 MCFG  
 2nd Open: 10" 32 MCFG  
 20" 28 MCFG  
 30" 24 MCFG  
 40" TSTM  
 Rec: 58' GCM (10%G  
 90%M)  
 IHP 2480 FHP 2433  
 IFP 48-20 FFP 22-12  
 ISIP 1084 FSIP 1376  
 Temp 116 deg

CFS at 5074' - 60"  
 18 units total gas  
 50 units total gas  
 25 units total gas

CFS at 5100' - 90"  
 100 units total gas  
 200 units total gas

Mud Data at 5100'  
 6:50 am 1-21-12  
 Wt 9.2  
 Vis 61  
 WL 7.6  
 pH 10  
 Chl 3500  
 Sol 6.2%  
 YP 21  
 LCM 2#

Mud Data at 5196'  
 6:25 am 1-22-12  
 Wt 9.4  
 Vis 47  
 WL 7.6  
 pH 9  
 Chl 4250  
 Sol 7.6%  
 YP 15  
 LCM 2#

Finished Drilling at 7:48 pm  
 on 1-22-12 Cir for Log - 90"  
 Finished Logging at 5:30 pm  
 on 1-22-12

# ALLIED CEMENTING CO., LLC. 037921

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Medicine Lodge KS

DATE 1-11-2012	SEC. 27	TWP. 27S	RANGE 24W	CALLED OUT 1:30 AM	ON LOCATION 8:00 AM	JOB START 11:00 AM	JOB FINISH 12:00 PM
LEASE ROESNER	WELL# 1-27	LOCATION Dodge City, KS South on			COUNTY Ford	STATE KS	
OLD OR <u>NEW</u> (Circle one)			283 to Quaker Rd, 4 1/2 east, 5/1 into				

CONTRACTOR Berexco #2	OWNER Berexco
TYPE OF JOB Surface	
HOLE SIZE 12 1/4	T.D. 597'
CASING SIZE 8 5/8	DEPTH 596'
TUBING SIZE LT-8 5/8	DEPTH 18'
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT 42'
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT 3 3/4 bbls OR Fresh Water	

CEMENT	
AMOUNT ORDERED 200sx 60' 40' 8% Gel	
3% occ + 1/4 # Floseal, 100sx C/SS A	
3% occ	

COMMON 100 Sacks "A"	@ 11.25	1125.00
POZMIX	@	
GEL	@	
CHLORIDE 10 Sacks	@ 58.20	582.00
ASC	@	
ALLW Type 2-Class A 200sx	@ 14.50	2900.00
Floesal- 50 #	@ 2.70	135.00
	@	
	@	
	@	
	@	
	@	
HANDLING 327	@ 2.25	735.75
MILEAGE 50 x 327 x .11		1798.50
TOTAL		\$7,776.25

EQUIPMENT	
PUMP TRUCK CEMENTER Devin F	
# 471-302 HELPER Jason T.	
BULK TRUCK	
# 21-252 DRIVER George W.	
BULK TRUCK	
# DRIVER	

REMARKS:

Pipe on bottom & break circulation  
Pump 3 bbls water ahead, mix 200sx  
of less cement, mix 100sx of 8%  
cement, shut down, Release plug, 800  
displacement, pump pipe 2 3/4 bbls  
shut in, cement die circulation.

SERVICE

DEPTH OF JOB 596'	
PUMP TRUCK CHARGE	1125-
EXTRA FOOTAGE 296' @ .95	281.20
MILEAGE 50 @ 7.00	350.00
MANIFOLD Hese rental @	200.00
LV 50 @ 4.00	200.00
	@

CHARGE TO: Berexco  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \$2156.20

PLUG & FLOAT EQUIPMENT

8 5/8	
1-Rubber plug	@ 112-
1-Baffle plate	@ 54-
1-Basket	@ 337-
3-Centrifizers	@ 49-
	@ 147-
TOTAL \$650-	

To Allied Cementing Co., 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 \$10,582.45	
DISCOUNT 240	
IF PAID IN 30 DAYS	

PRINTED NAME K Scott Bateman  
SIGNATURE *K Scott Bateman*

Net \$8465.96

Thank you!!!



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**27-27s-24w**

2020 N Bramblewood  
Wichita KS 67206

**Roesener #1-27**

ATTN: Evan Mayhew / Mac Arm

Job Ticket: 44124

**DST#: 1**

Test Start: 2012.01.14 @ 02:39:16

## GENERAL INFORMATION:

Formation: **Winfield**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:12:16

Time Test Ended: 15:39:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

**Interval: 2672.00 ft (KB) To 2720.00 ft (KB) (TVD)**

Reference Elevations: 2534.00 ft (KB)

Total Depth: 2720.00 ft (KB) (TVD)

2521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 8166 Outside**

Press @ Run Depth: 184.56 psig @ 2673.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.14

End Date:

2012.01.14

Last Calib.: 2012.01.14

Start Time: 02:39:21

End Time:

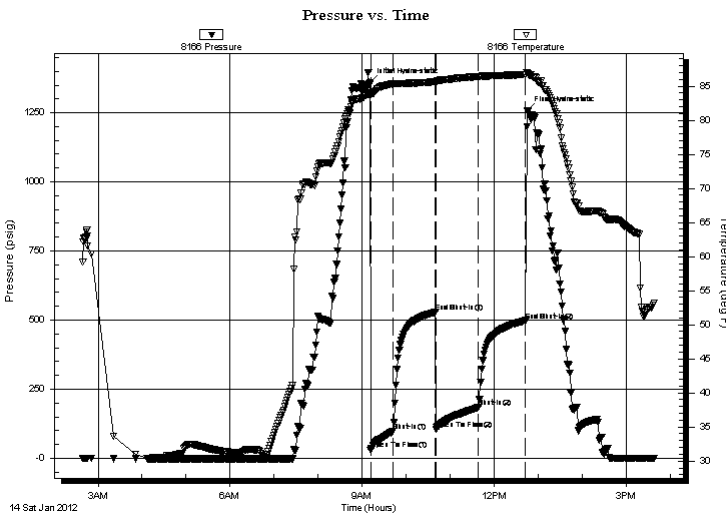
15:39:31

Time On Btm: 2012.01.14 @ 09:10:16

Time Off Btm: 2012.01.14 @ 12:45:01

**TEST COMMENT:** IF: Strong blow BOB 7 min  
IS: Weak blow back  
FF: Strong blow BOB 7 min  
FS: Weak blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1357.60	83.86	Initial Hydro-static
2	32.51	83.86	Open To Flow (1)
32	97.03	85.35	Shut-In(1)
90	527.99	85.69	End Shut-In(1)
91	105.30	85.65	Open To Flow (2)
149	184.56	86.42	Shut-In(2)
213	497.59	86.73	End Shut-In(2)
215	1257.52	87.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	540' GIP	0.00
360.00	G,M,W 10% gas 20% mud 70% w ater	1.77

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Berexco LLC

27-27s-24w

2020 N Bramblewood  
Wichita KS 67206

Roesener #1-27

Job Ticket: 44124 DST#: 1

ATTN: Evan Mayhew / Mac Arm

Test Start: 2012.01.14 @ 02:39:16

### GENERAL INFORMATION:

Formation: **Winfield**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:12:16

Time Test Ended: 15:39:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: **2672.00 ft (KB) To 2720.00 ft (KB) (TVD)**

Total Depth: 2720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2534.00 ft (KB)

2521.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 6773 Outside**

Press@RunDepth: psig @ 2673.00 ft (KB)

Start Date: 2012.01.14 End Date: 2012.01.14

Start Time: 02:44:34 End Time: 15:40:44

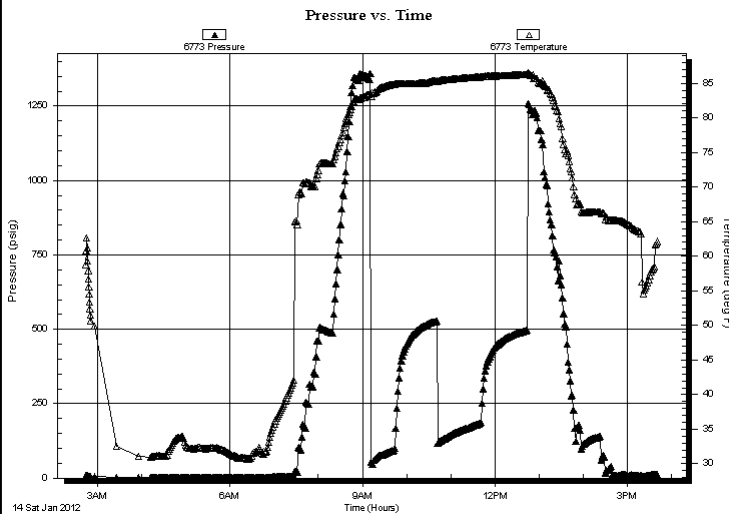
Capacity: 8000.00 psig

Last Calib.: 2012.01.14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Strong blow BOB 7 min  
IS: Weak blow back  
FF: Strong blow BOB 7 min  
FS: Weak blow back



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	540' GIP	0.00
360.00	G,M,W 10% gas 20% mud 70% w ater	1.77

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Berexco LLC

**27-27s-24w**

2020 N Bramblewood  
Wichita KS 67206

**Roesener #1-27**

Job Ticket: 44124

**DST#: 1**

ATTN: Evan Mayhew / Mac Arm

Test Start: 2012.01.14 @ 02:39:16

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 125.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	540' GIP	0.000
360.00	G,M,W 10% gas 20% mud 70% water	1.770

Total Length: 360.00 ft      Total Volume: 1.770 bbl

Num Fluid Samples: 0

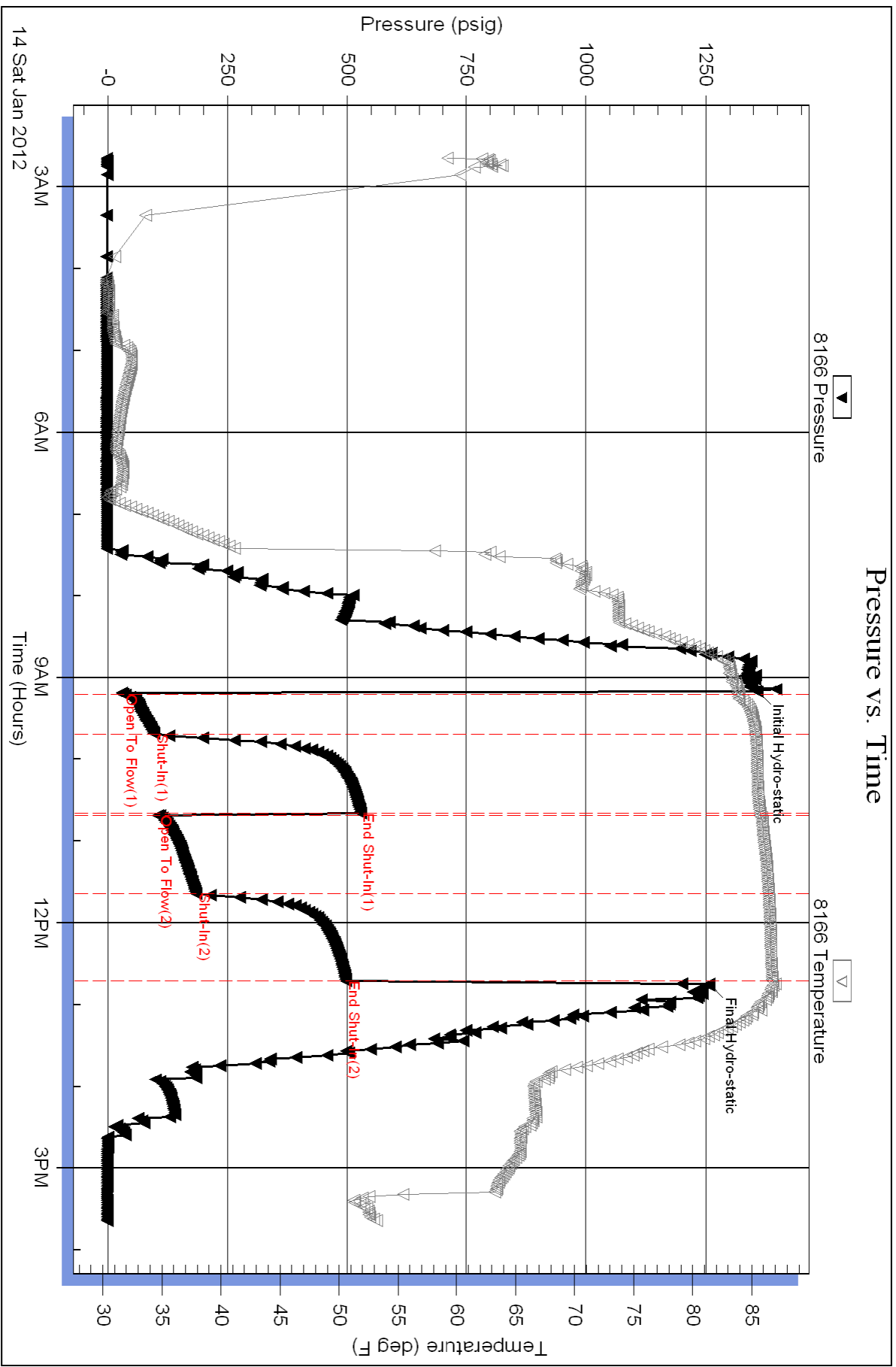
Num Gas Bombs: 0

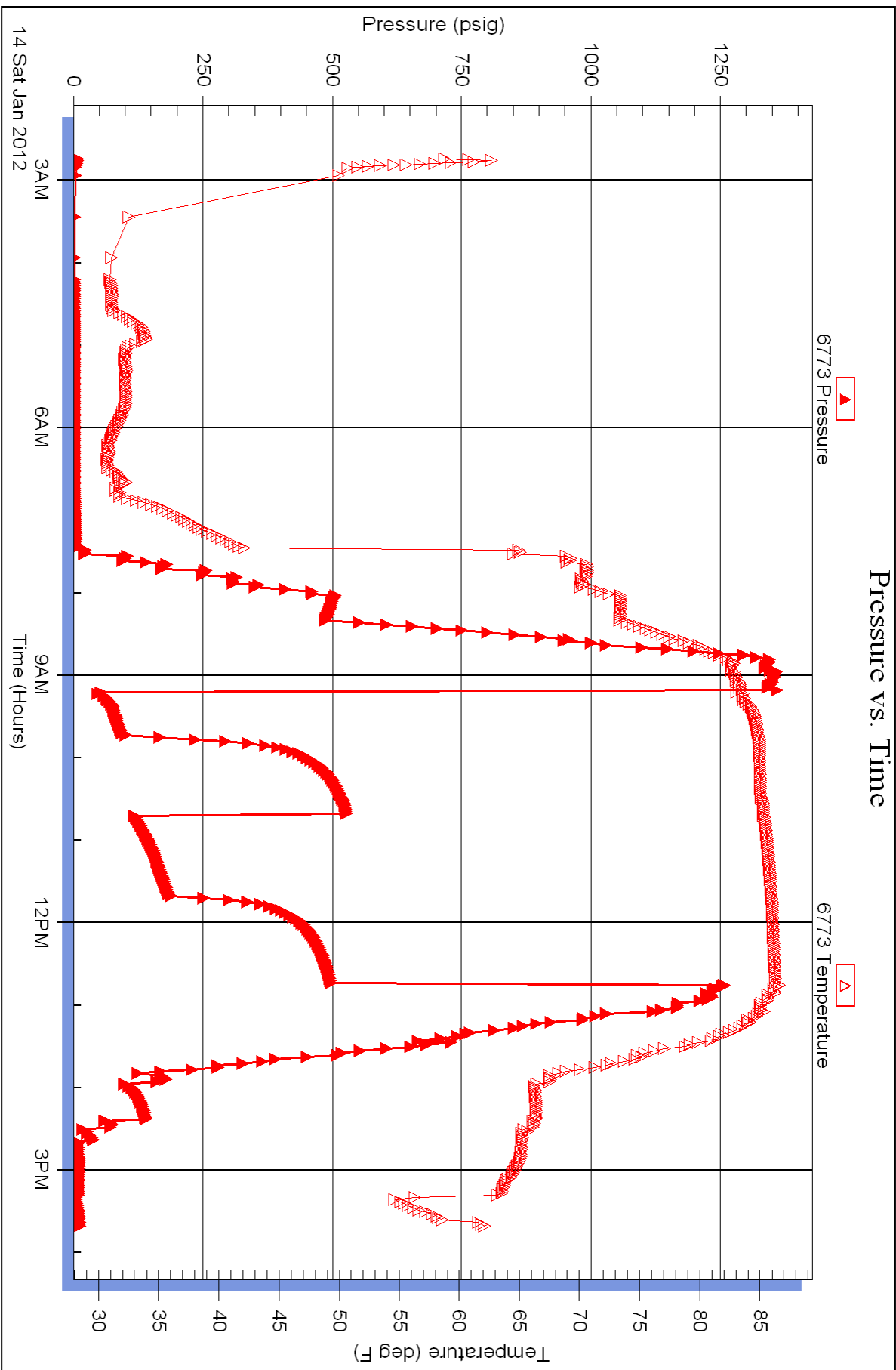
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:









**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**27-27s-24w Ford Ks.**

2020 N.Bramblewood  
Wichita Ks. 67206

**Roesener #1-27**

ATTN: Mac Armstrong

Job Ticket: 45726

**DST#: 2**

Test Start: 2012.01.19 @ 19:45:32

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:40:47

Time Test Ended: 07:02:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

**Interval: 4890.00 ft (KB) To 4930.00 ft (KB) (TVD)**

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4930.00 ft (KB) (TVD)

2521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 8167**

**Inside**

Press @ Run Depth: 131.42 psig @ 4891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.19

End Date:

2012.01.20

Last Calib.: 2012.01.20

Start Time: 19:45:33

End Time:

07:02:47

Time On Btm: 2012.01.19 @ 23:39:47

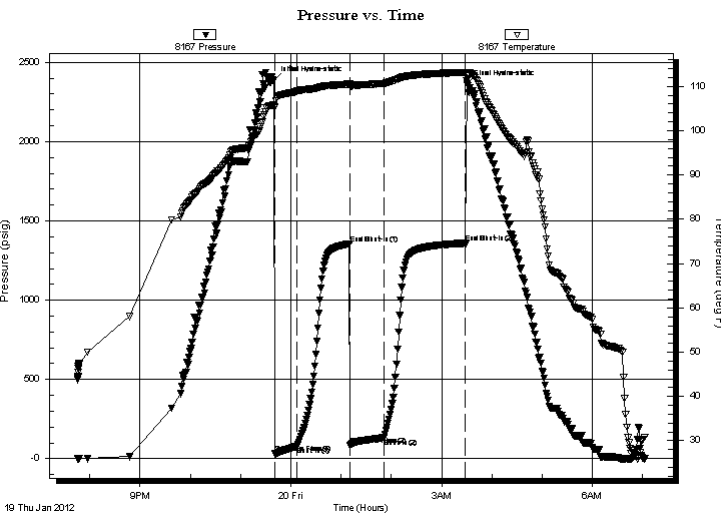
Time Off Btm: 2012.01.20 @ 03:30:17

**TEST COMMENT:** IF: Strong blow . B.O.B. in 2 1/2 mins.

IS: No blow .

FF: Strong blow . B.O.B. in 20 secs.

FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2385.99	105.80	Initial Hydro-static
1	30.94	105.28	Open To Flow (1)
28	76.61	108.97	Shut-In(1)
91	1355.59	110.54	End Shut-In(1)
92	85.00	110.12	Open To Flow (2)
131	131.42	110.67	Shut-In(2)
229	1359.84	113.17	End Shut-In(2)
231	2362.85	112.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMCO 30%g 22%m 48%o	0.89
95.00	GM w / o specs 15%g 85%m	0.47
0.00	750 ft.of GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27-27s-24w Ford Ks.**

2020 N.Bramblewood  
Wichita Ks. 67206

**Roesener #1-27**

Job Ticket: 45726

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2012.01.19 @ 19:45:32

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

2800 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	GMCO 30%g 22%m 48%o	0.885
95.00	GM w / o specs 15%g 85%m	0.467
0.00	750 ft.of GIP	0.000

Total Length: 275.00 ft

Total Volume: 1.352 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

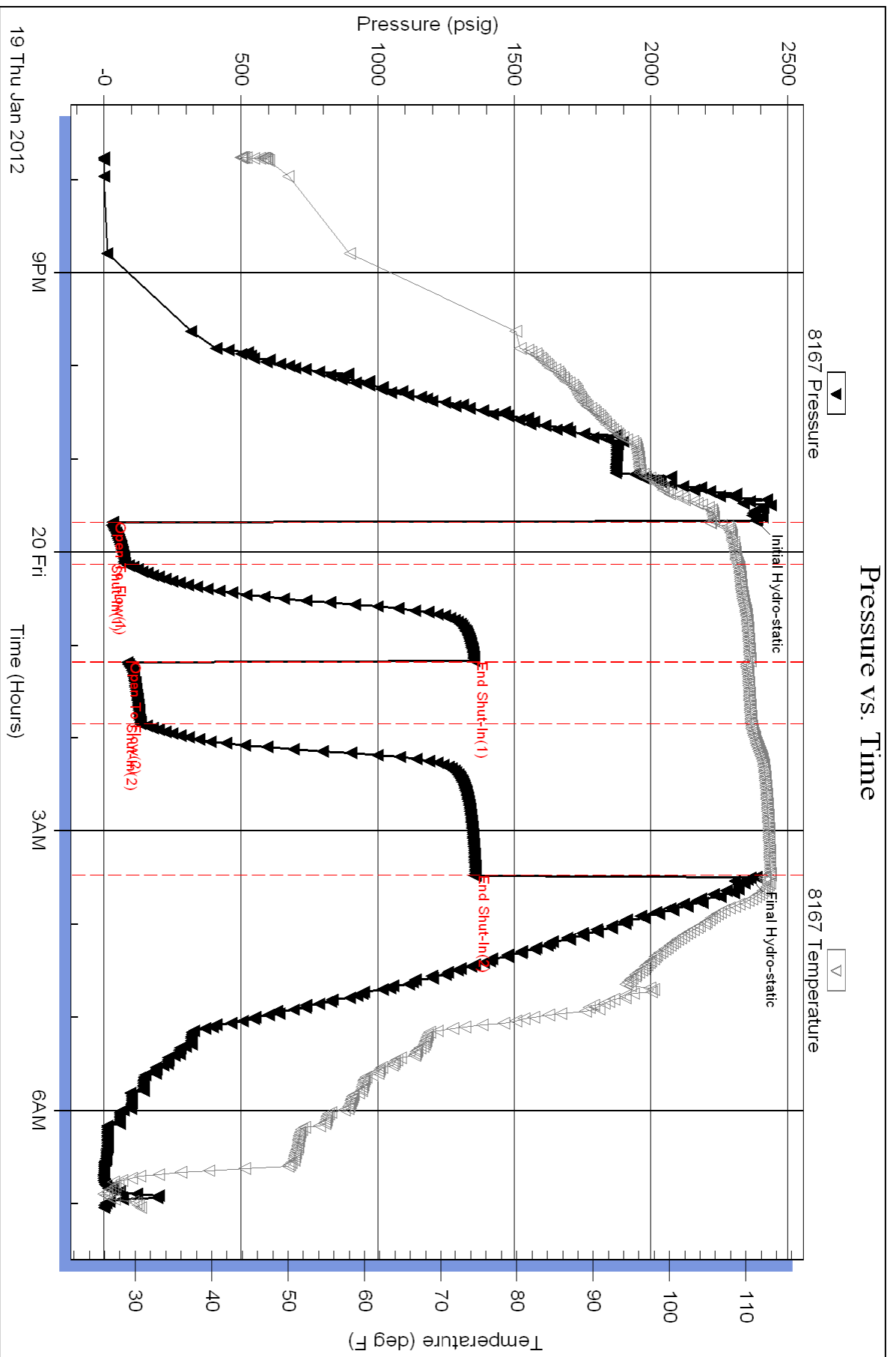
Serial #: 8167

Inside

Berexco LLC

Roesener #1-27

DST Test Number: 2





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**27-27s-24w Ford Ks.**

2020 N.Bramblewood  
Wichita Ks. 67206

**Roesener #1-27**

ATTN: Mac Armstrong

Job Ticket: 45727

**DST#: 3**

Test Start: 2012.01.21 @ 08:41:06

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:36:36

Time Test Ended: 19:50:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

**Interval: 5048.00 ft (KB) To 5070.00 ft (KB) (TVD)**

Reference Elevations: 2534.00 ft (KB)

Total Depth: 5070.00 ft (KB) (TVD)

2521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 13.00 ft

**Serial #: 8167 Inside**

Press @ Run Depth: 11.57 psig @ 5049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.21

End Date:

2012.01.21

Last Calib.:

2012.01.21

Start Time: 08:41:07

End Time:

19:50:06

Time On Btm:

2012.01.21 @ 12:32:51

Time Off Btm:

2012.01.21 @ 16:19:06

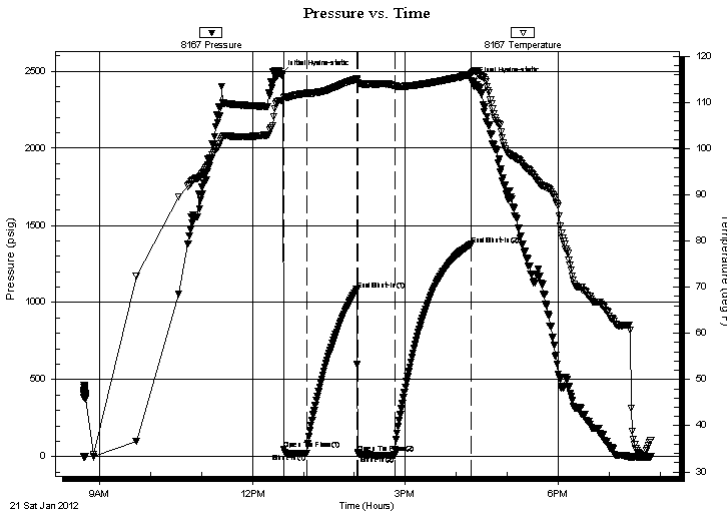
**TEST COMMENT:** IF: Strong blow . GTS in 5 mins. (see gas flow report)

IS: Weak blow . (surface)

FF: Strong blow . (see gas flow report)

FS: Weak blow . (surface)

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2480.26	110.45	Initial Hydro-static
4	47.68	111.08	Open To Flow (1)
32	20.24	112.07	Shut-In(1)
90	1084.21	115.11	End Shut-In(1)
92	22.41	114.26	Open To Flow (2)
135	11.57	113.63	Shut-In(2)
225	1376.04	116.15	End Shut-In(2)
227	2432.91	116.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	GCM 10%g 90%m	0.25

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	0.50	23.64
Max. Gas Rate	0.25	6.00	32.36



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Berexco LLC  
2020 N.Bramblewood  
Wichita Ks. 67206  
ATTN: Mac Armstrong

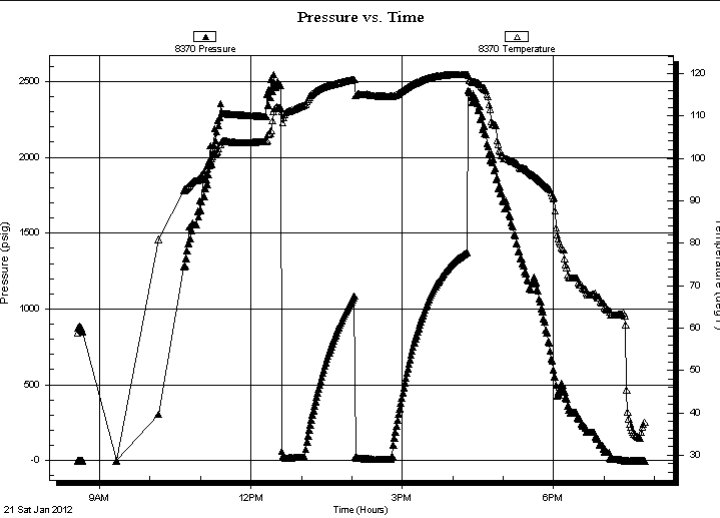
**27-27s-24w Ford Ks.**  
**Roesener #1-27**  
Job Ticket: 45727      **DST#: 3**  
Test Start: 2012.01.21 @ 08:41:06

### GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 12:36:36      Tester: Gary Pevoteaux  
Time Test Ended: 19:50:06      Unit No: 56  
**Interval: 5048.00 ft (KB) To 5070.00 ft (KB) (TVD)**      Reference Elevations: 2534.00 ft (KB)  
Total Depth: 5070.00 ft (KB) (TVD)      2521.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Poor      KB to GR/CF: 13.00 ft

**Serial #: 8370      Outside**  
Press @ Run Depth:                      psig @ 5049.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.01.21      End Date: 2012.01.21      Last Calib.: 2012.01.21  
Start Time: 08:34:10      End Time: 19:48:20      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: Strong blow . GTS in 5 mins. (see gas flow report)  
IS: Weak blow . (surface)  
FF: Strong blow . (see gas flow report)  
FS: Weak blow . (surface)



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
50.00	GCM 10%g 90%m	0.25

\* Recovery from multiple tests

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	0.50	23.64
Max. Gas Rate	0.25	6.00	32.36



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27-27s-24w Ford Ks.**

2020 N.Bramblewood  
Wichita Ks. 67206

**Roesener #1-27**

Job Ticket: 45727

**DST#: 3**

ATTN: Mac Armstrong

Test Start: 2012.01.21 @ 08:41:06

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	GCM 10%g 90%m	0.246

Total Length: 50.00 ft

Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-3

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

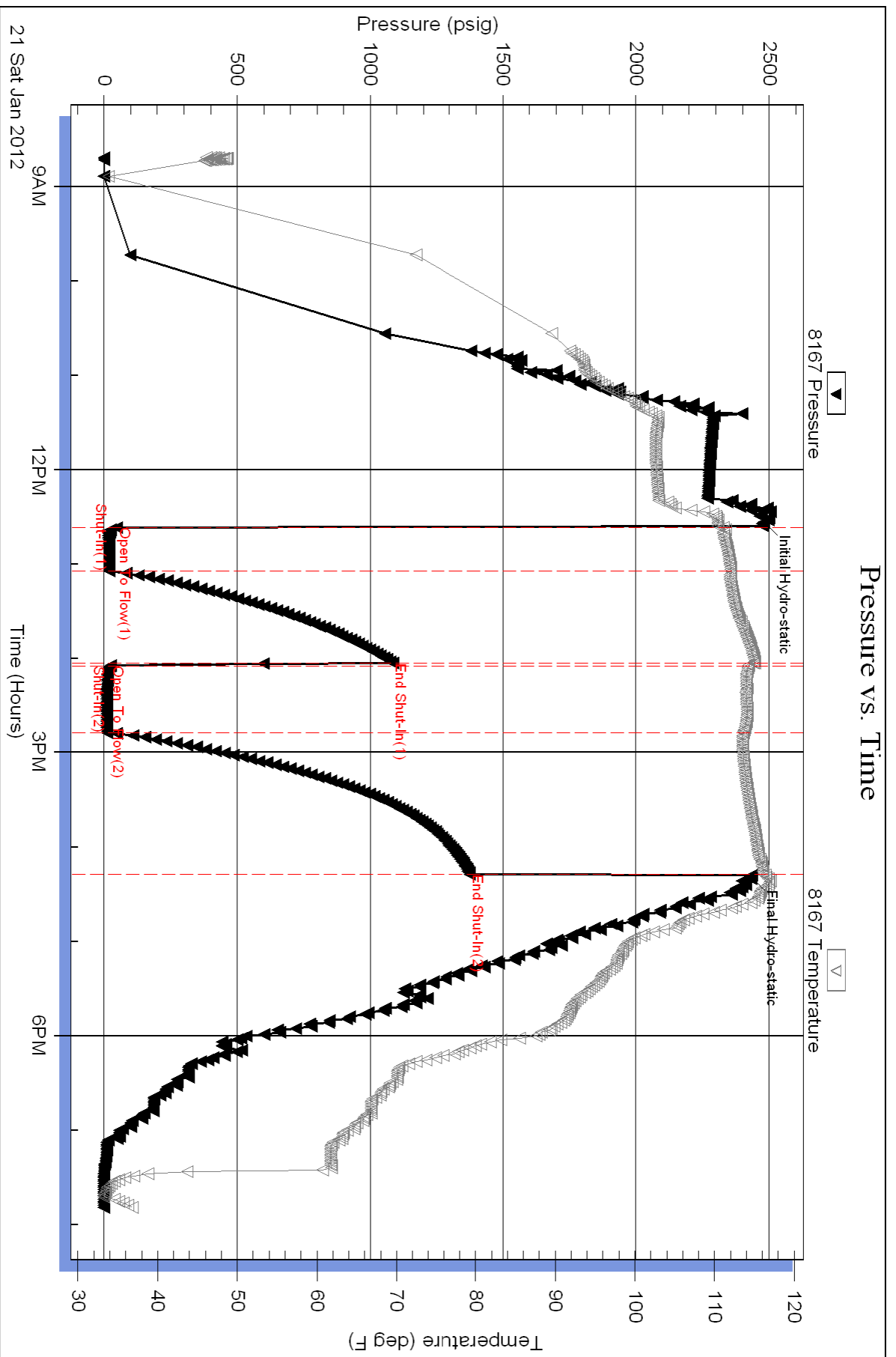
Serial #: 8167

Inside

Berexco LLC

Roesener #1-27

DST Test Number: 3

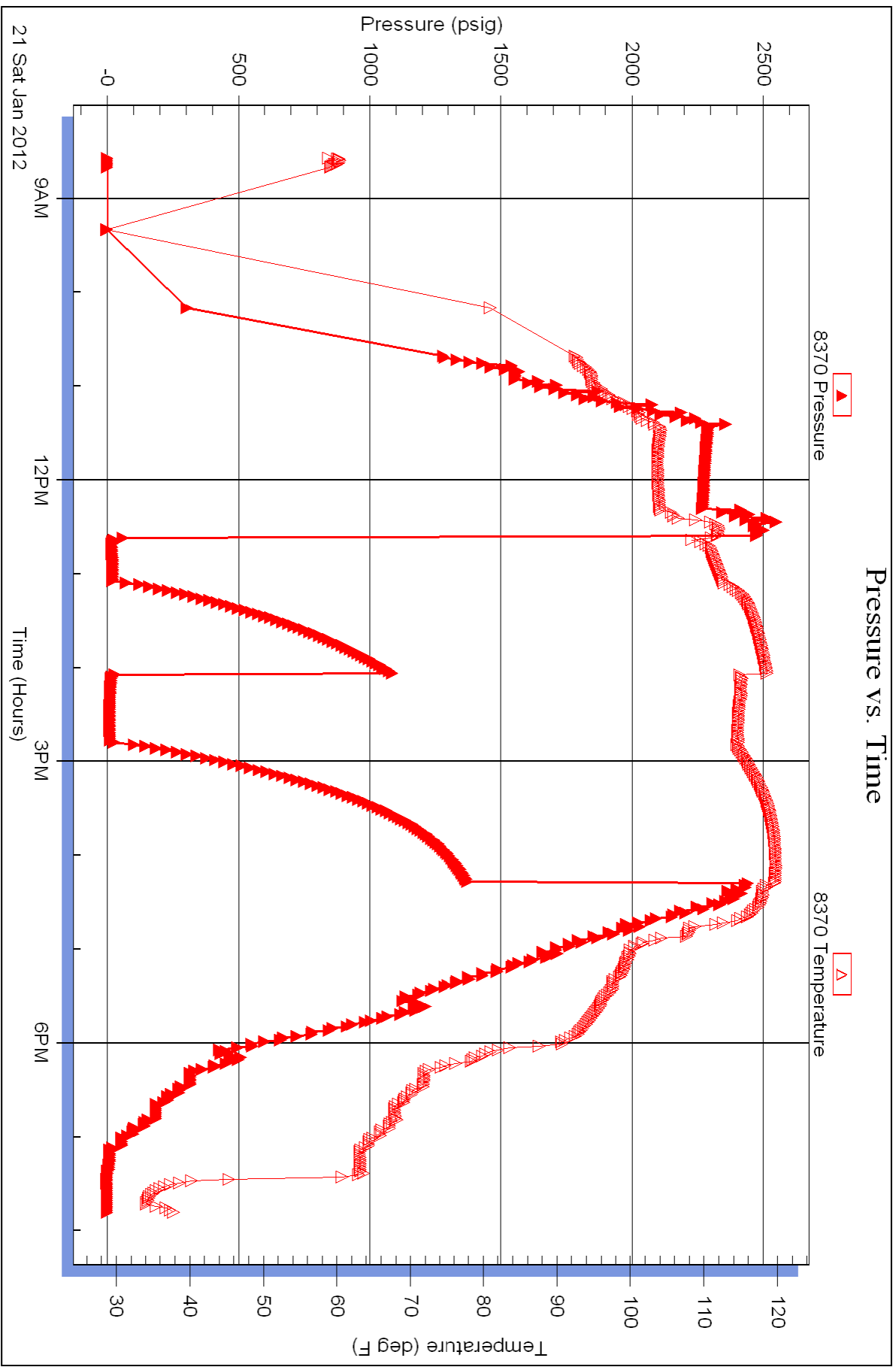


Serial #: 8370

Outside Berexco LLC

Roesener #1-27

DST Test Number: 3





# ALLIED CEMENTING CO., LLC.

30518

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

LIBERAL KS

DATE <u>1-23-12</u>	SEC. <u>27</u>	TWP. <u>27S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>ROSENER</u>	WELL # <u>1</u>	LOCATION <u>Dodge S To QUAKER</u>			COUNTY <u>FORD</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>Rd 4 1/2 E Sinter</u>			

CONTRACTOR BEREDS #2  
 TYPE OF JOB 5 1/2 2 STAGE  
 HOLE SIZE 7 1/8 T.D. 5200  
 CASING SIZE 5 1/2 DEPTH 5194'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1100 PSI MINIMUM 0  
 MEAS. LINE SHOE JOINT 40'  
 CEMENT LEFT IN CSG. 40'  
 PERFS.  
 DISPLACEMENT 125.7  
 EQUIPMENT

PUMP TRUCK CEMENTER R. Ryan  
 # 372 HELPER CEASAR  
 BULK TRUCK  
 # 472/467 DRIVER Francisco  
 BULK TRUCK  
 # 457/251 DRIVER Jon

REMARKS:

OWNER SAME  
 CEMENT  
 AMOUNT ORDERED Stage 1 250 60/40 80% GEL  
200 ASCA 1# KOLSEAL 2% GEL 10% SALT  
2nd Stage 270 60/40 80% GEL  
 COMMON 50 A @ \_\_\_\_\_  
 POZMIX @ \_\_\_\_\_  
 GEL @ \_\_\_\_\_  
 CHLORIDE @ \_\_\_\_\_  
 ASC 200 @ 19.00 3800.00  
250 KTE @ 14.50 3625.00  
KOLSEAL 1200# @ .89 1068.00  
Stand by 4hr @ 400 1600.00  
 HANDLING 474 @ 2.25 1066.50  
 MILEAGE 5K x mi x 11  
2607.00  
 TOTAL 15330.20

SERVICE

DEPTH OF JOB 5194'  
 PUMP TRUCK CHARGE 2695.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 50 mi @ 7.00 350.00  
 MANIFOLD @ \_\_\_\_\_ N/C  
CT UEL mi @ \_\_\_\_\_ N/C

TOTAL 3255

PLUG & FLOAT EQUIPMENT

5/8  
2- BASKETS @ 178.00 356.00  
12- CEN HOLES @ 37.00 444.00  
1- ROPE GRIPES @ \_\_\_\_\_ 232.00  
1- PU TOOL @ \_\_\_\_\_ 2832.00  
LATCH DOWN ASSY @ \_\_\_\_\_ 184.00  
 TOTAL 4678.00

CHARGE TO: BEREX CO  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., 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) 997.01  
 TOTAL CHARGES 22633.70 20859.50  
 DISCOUNT 6337.44 IF PAID IN 30 DAYS

PRINTED NAME SCOTT BATMAN-KW  
 SIGNATURE Scott Batman KW

16296.26  
D-5006.28

# ALLIED CEMENTING CO., LLC.

30519

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

LIBERTY KS

DATE <u>1-23-12</u>	SEC. <u>27</u>	TWP. <u>27 S</u>	RANGE <u>24 W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 PM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>ROESEVEN</u>	WELL # <u>1</u>	LOCATION <u>DODGE CITY 45</u>		COLONY <u>FORD</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>		<u>1/2 E SURF</u>					

CONTRACTOR BENEXCO #2

TYPE OF JOB 5/2 2 STAGE

HOLE SIZE 7 7/8 T.D. 5200

CASING SIZE 5 1/2 DEPTH 5194

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL 1552' DV DEPTH 1552

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT N/A

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 38 BBL

OWNER SAME

CEMENT

AMOUNT ORDERED 270 SIL

60/40 89% GEL

50 A 100% GEL + MUD 3% GEL

COMMON 50 A @ 16.25 812.50

POZMIX @

GEL @

CHLORIDE @

ASC @

270 LITE @ 14.50 3915.00

@

@

@

@

@

@

@

HANDLING 320 @ 2.25 720.00

MILEAGE 5K x mi x 1.1 2816.00

81760 TOTAL 8263.50

REMARKS:

Thank you

Circle cut to

SURFACE

SERVICE

DEPTH OF JOB 1552'

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

@

@

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any) 375.84

TOTAL CHARGES 8763.50 7207.50

DISCOUNT 2313.28 1729.80

IF PAID IN 30 DAYS

CHARGE TO: BENEXCO

STREET

CITY STATE ZIP

To Allied Cementing Co., 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 Scott H. Behr KW

SIGNATURE DARA KW

#594972

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