



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072089
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: _____

1072089

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Spahr 1
Doc ID	1072089

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Spahr 1
Doc ID	1072089

Tops

Name	Top	Datum
Anhydrite	1620	+769
Heebner	3959	-1570
Toronto	3874	-1585
Lansing	4016	-1627
Swope	4284	-1895
Hertha	4332	-1943
Kansas City (Base)	4394	-2005
Altamont	4414	-2025
Pawnee	4476	-2087
Ft. Scott	4560	-2171
Cherokee Shale	4586	-2197
Cherokee Lime (Base)	4628	-2239
Mississippi	4653	-2264
RTD	4758	-2369

MACKLIN M. ARMSTRONG

Geologist

License Number 743

316-209-5047

Scale 1:240 Imperial

Well Name: Spahr No. 1
Surface Location: Sec 21 T22S R23W
Bottom Location: 1300' FNL and 339' FEL
API: 15-083-21733
License Number: 34318
Spud Date: 12/26/2011 Time: 7:00 PM
Region: Hodgeman County, Kansas
Drilling Completed: 1/5/2012 Time: 9:24 PM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 2376.00ft
K.B. Elevation: 2389.00ft
Logged Interval: 3700.00ft To: 4758.00ft
Total Depth: 4758.00ft
Formation: Mississippi
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: BEREXCO LLC
Address: 2020 North Bramblewood
Wichita, Kansas 67206
Contact Geologist: Jim Hickman
Contact Phone Nbr: 316-337-8331
Well Name: Spahr No. 1
Location: Sec 21 T22S R23W
Pool: Oil
State: Kansas
API: 15-083-21733
Field: Armstrong South
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 99.84504
Latitude: 38.12771
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. Armstrong Name: Kansas License Number 743

CONTRACTOR

Contractor: BEREDCO
Rig #: 2
Rig Type: mud rotary

Rig type: mud rotary
 Spud Date: 12/26/2011
 TD Date: 1/5/2012
 Rig Release: 1/6/2012

Time: 7:00 PM
 Time: 9:24 PM
 Time: 5:00 PM

ELEVATIONS

K.B. Elevation: 2389.00ft
 K.B. to Ground: 13.00ft
 Ground Elevation: 2376.00ft

NOTES

Date	Depth at 7 am	Activity
12-26-11	MIRU	Spud at 7 pm
12-27-11	100	Drilling
12-28-11	498	Drilling
12-29-11	1707	Drilling
12-30-11	2639	Drilling
12-31-11	3322	Drilling
1-01-12	3850	Drilling
1-02-12	4345	Drilling
1-03-12	4621	CFS
1-04-12	4673	TIH for DST No. 1
1-05-12	4679	TIH for DST No. 2
1-06-12	4758	Logging
1-07-12	4758	P & A

Surface Casing: 8 5/8" 20# at 260'
 Production Casing: None Set

Deviation: 1272 - 1.75 deg; 2266 - 1.5 deg; 3260 - 1 deg; 4679 - Misrun; 4758 - 1.75 deg

Bit Record:	Make	Type	Depth In	Depth Out	Hours
	Smith	F27I	260	4758	113 1/2

Drill Stem Tests:

DST No. 1 4630 to 4673 Formation: Mississippi
 30-60-15-60

Recovery: 30' HOCM (20% Oil, 80% Mud)

IHP 2277 FHP 2268

IFP 28-33 FFP 34-40

ISIP 618 FSIP 787

Temp 125 deg

DST No. 2 4670 to 4679 Formation: Mississippi
 30-60-60-90

Recovery: 190' Muddy Water (Chl 23,000 ppm)

IHP 2244 FHP 2232

IFP 23-45 FFP 51-103

ISIP 1443 FSIP 1427

Temp 136 deg

Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3
Anhydrite	1624	1620	+769	-12	+15	+21
Heebner	3959	3959	-1570	-7	+15	+8
Toronto	3976	3874	-1585	-7	+24	+12
Lansing	4018	4016	-1627	-9	+13	+1
Swope	4283	4284	-1895	-8	+18	+3
Hertha	4334	4332	-1943	-16	+12	0
B/Kansas City	4395	4394	-2005	-11	+16	+3
Lenepah	4406	4404	-2015	-14	+17	-2
Altamont	4415	4414	-2025	-14	+27	+3
Upper Pawnee	4475	4476	-2087	-17	+9	-6
Lower Pawnee	4497	4497	-2108	-17	+10	-1
Fort Scott	4560	4560	-2171	-15	+10	-5
Cherokee Shale	4586	4586	-2197	-17	+7	-6
B/Cherokee Lime	4628	4628	-2239	-17	+10	-4
Mississippi	4653	4653	-2264	-27	+8	-9
Total Depth	4758	4758	-2369			

Well 1: BEREXCO LLC Clarence No. 1 E2 NE SW Sec 22 T22S R23W

Well 2: Kennedy & Mitchell Sauter No. 37-597 C SW NE Sec 21 T22S R23W

Well 3: Pickrell Drilling Company Spreier 'C' No. 1 C NE NW Sec 21 T22S R23W

Due to the low structural position, the results of the Drill Stem Tests, and the electric log calculations, it was decided to plug this test well.

Respectfully submitted,
 Macklin M. Armstrong

ROCK TYPES

Cht	Lmst fw7>	shale, gry	shale, red
Dolprim	shale, grn	Carbon Sh	

ACCESSORIES

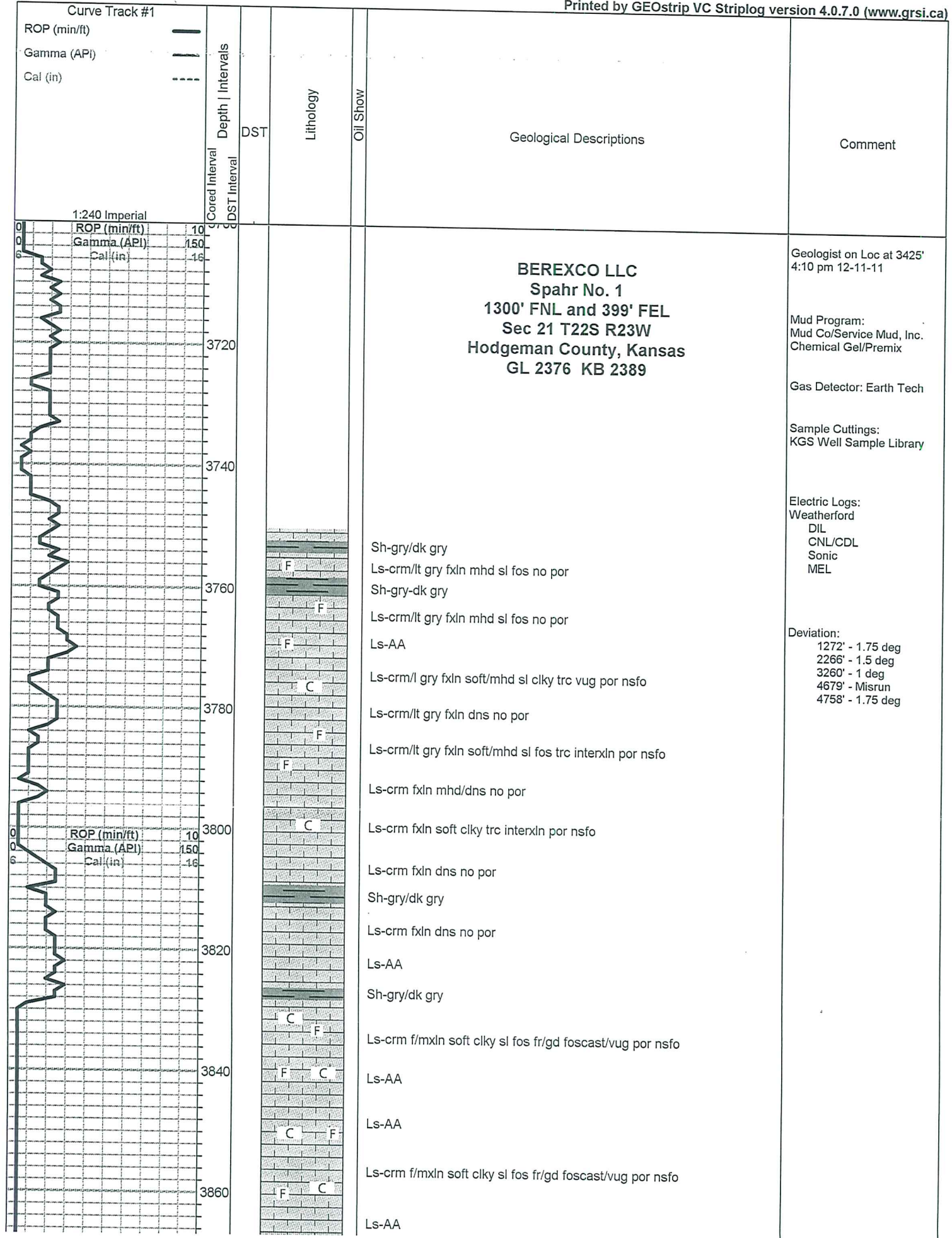
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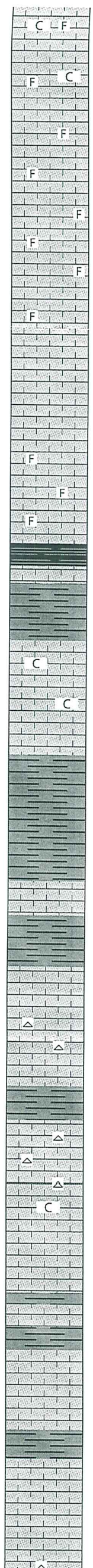
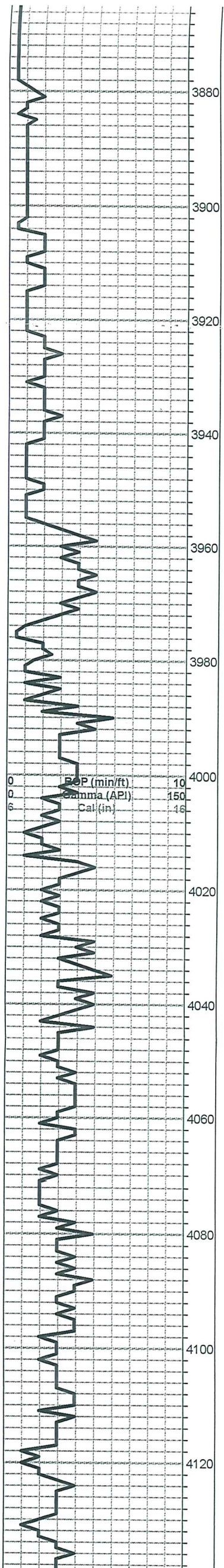
OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core

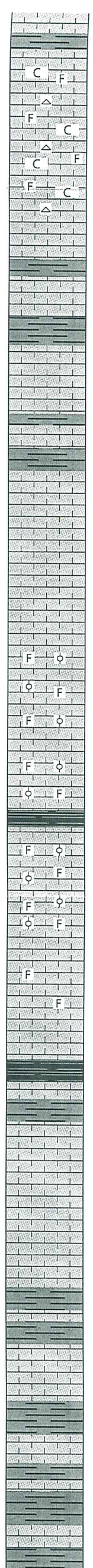
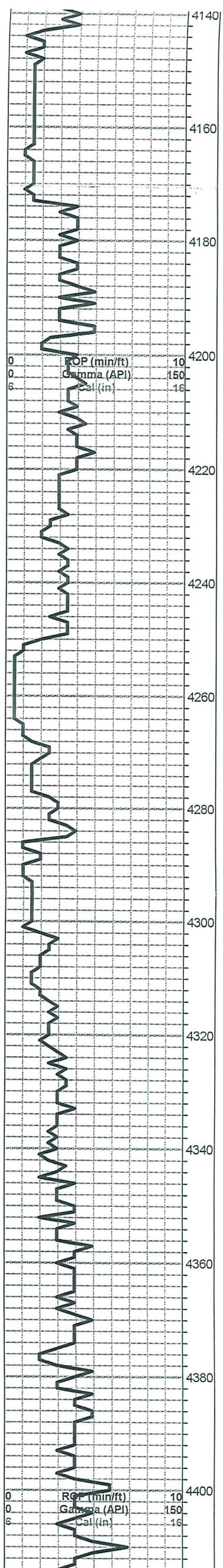
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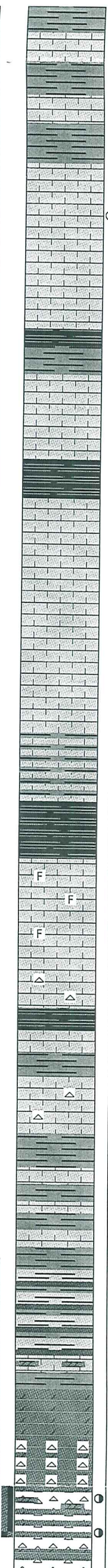
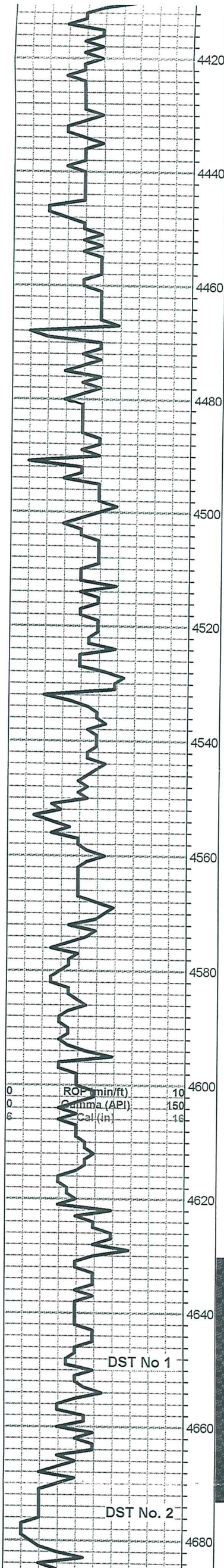
LS-AA
Ls-AA
Ls-crm/tan fxln mhd no por
Ls-crm/tan f/mxln soft sl fos trc interxln por nsfo
Ls-AA
Ls-crm/tan f/mxln mhd sl fos no por
Ls-AA
Ls-crm/tan f/mxln soft sl fos trc interxln por nsfo
Ls-crm/lt tan fxln dns no por
Ls-AA
Ls-AA
Ls-crm/tan f/mxln mhd sl fos trc interxln por nsfo
Ls-AA
-----Heebner 3959 -1570-----
Sh-blk carb
Ls-gry fxln dns no por
Sh-gry/dk gry
-----Toronto 3976 -1587-----
Ls-crm/lt tan fxln soft clky trc interxln por nsfo
Ls-AA
Ls-crm/tan fxln dns no por
Ls-crm/tan f/mxln mhd no por
Sh-gry/dk gry
Sh-AA
Sh-AA
-----Lansing 4018 -1629-----
Ls-crm/tan fxln mhd trc vug por nsfo
Sh-gry/dk gry
Ls-crm/lt gry fxln dns no por
Ls-crm/tan f/mxln mhd trc interxln por nsfo sm Cht-wt fsh opac
Ls-AA
Sh-gry/dk gry
Ls-crm/tan f/mxln mhd trc interxln por nsfo sm Cht-wt fsh opac
Ls-crm/lt tan f/mxln mhd no por sm Cht-AA
Ls-crm f/mxln mhd clky no por
Ls-crm/tan fxln mhd/dns no por
Ls-AA
Sh-gry/dk gry
Ls-crm fxln dns no por
Sh-gry/dk gry
Ls-crm fxln mhd/dns no por
Ls-crm/tan fxln dns no por
Sh-gry/dk gry
Ls-crm/tan fxln soft/mhd trc interxln por nsfo
Ls-crm/tan fxln dns no por
Ls-crm/tan fxln mhd trc interxln por nsfo
Ls-crm/tan fxln dns no por sm Cht-wt fsh opac

Mud Data at 3906'
8:40 am 1-1-12
Wt 9.2
Vis 40
W/L 8.4
pH 10
Cht 5200
Sol 6.1%
YP 13
LCM 0



Sh-gry/dk gry
 Ls-crm/lt tan f/mxln soft sl fos sl clkly fr interxln por nsfo
 Ls-AA sm Cht-AA
 Ls-crm/lt tan f/mxln soft sl fos sl clkly fr interxln por nsfo sm Cht wt fsh opac
 Ls-AA sm Cht-AA
 Ls-crm/tan fxln dns no por
 Sh-gry/dk gry
 Ls-crm/tan fxln dns no por
 Sh-gry/dk gry
 Ls-tan fxln mhd trc interxln por nsfo
 Ls-tan fxln dns no por
 Sh-gry/dk gry
 Ls-tan fxln dns no por
 Sh-gry/dk gry
 Ls-tan/crm fxln mhd/dns no por
 Ls-tan/crm fxln mhd trc interxln por nsfo
 Ls-tan/crm fxln dns no por
 Ls-AA
 Ls-crm/tan fxln mhd fos ool and ooc gd ooc por nsfo
 Ls-AA
 Ls-crm/tan fxln dns no por
 Ls-crm/tan fxln mhd fos sl ool and ooc fr ooc por nsfo
 -----Swope 4283 -1894-----
 Ls-tan fxln dns no por
 Ls-crm fxln mhd fos sl ool and ooc fr ooc por nsfo
 Ls-AA
 Ls-crm/tan fxln mhd/dns no por
 Ls-crm fxln soft/mhd sl fos trc interxln por nsfo
 Ls-crm/tan fxln mhd/dns no por
 Sh-blk carb
 Ls-crm/tan fxln mhd/dns no por
 -----Hertha 4334 -1945-----
 Ls-crm/tan fxln mhd/dns no por
 Ls-AA
 Ls-crm/tan/lt gry fxln mhd/dns no por
 Ls-AA
 Sh-gry/dk gry
 Ls-crm/tan/lt gry fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-tan fxln mhd trc interxln por nsfo
 Ls-tan fxln dns no por
 Sh-gry/dk gry
 Ls-crm/tan fxln mhd/dns no por
 -----B/KansasCity 4395 -2006-----
 Ls-crm/tan fxln dns no por
 Sh-gry/dk gry
 -----Lenepah 4406 -2017-----
 Ls-crm/tan fxln mhd/dns no por
 Sh-gry/dk gry

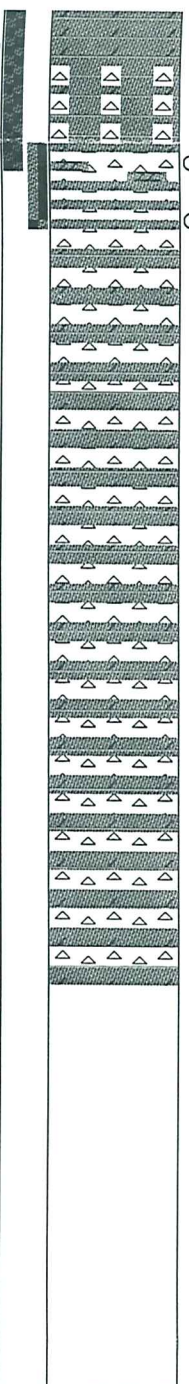
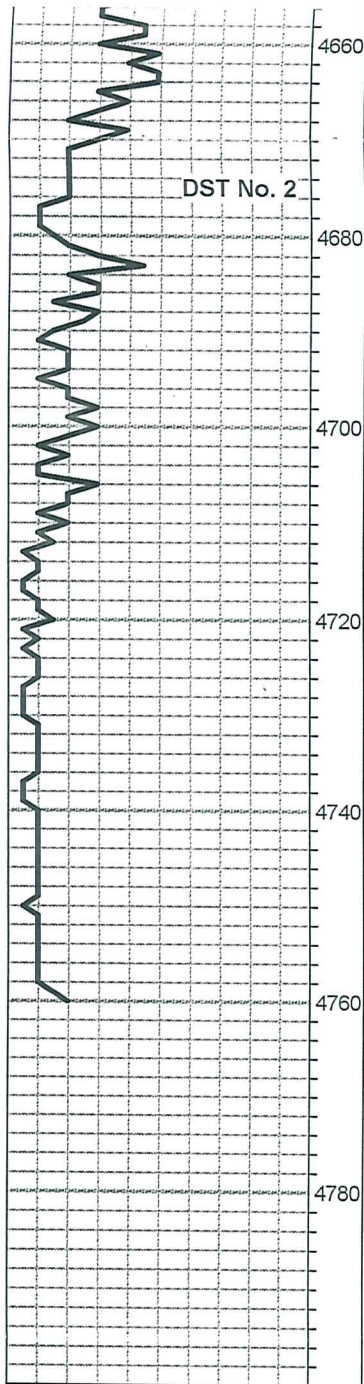
Mud Data at 4369'
 9:00 am 1-2-12
 Wt 9.6
 Vis 50
 WL 9.6
 pH 9
 Chl 5500
 Sol 9%
 YP 15
 LCM trc



Sh-gry/dk gry
 -----Altamont 4415 -2026-----
 Ls-crm/tan fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-crm/tan fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-crm fxln dns no por
 Ls-crm/tan fxln mhd no por mostly barren with 2 pcs of Ls-crm
 fxln mhd pr interxln por brn stn faint odor SSFO and Gas on brk
 Ls-crm/lt tan fxln dns no por
 Ls-AA
 Sh-blk carb
 ----- Upper Pawnee 4475 -2086 -----
 Ls-crm/tan/lt gry fxln mhd/dns no por
 Ls-crm/tan fxln mhd/dns no por
 Ls-AA
 Sh-blk carb
 ----- Lower Pawnee 4497 -2108 -----
 Ls-crm/tan fxln dns no por
 Ls-AA
 Ls-crm/tan fxln dns no por
 Ls-AA
 Ls-AA
 Ls-crm/tan/lt gry fxln dns sl shly no por and Sh-gry/dk gry
 Sh-blk carb
 ----- Fort Scott 4560 -2171 -----
 Ls-tan fxln mhd/dns sl fos no por
 Ls-tan fxln dns sl fos no por
 Ls-AA
 Ls-tan fxln dns no por sm Cht-tan fsh opac
 ----- Cherokee Shale 4586 -2197 -----
 Sh-blk carb
 Ls-tanfxln dns no por
 Sh-gry/dk gry
 Ls-tan fxln dns no por sm Cht-tan fsh opac
 Sh-grydk gry
 Ls-tan/brn fxln dns no por
 Sh-gry/dk gry
 Ls-tan/brn/lt gry fxln dns no por
 Sh-AA
 ----- B/Cherokee Lime 4628 -2239 -----
 Sh-gry/dk gry
 Sh-gry/dk gry/grn/red/mar sm blk
 Sh-AA
 Sh-gry/dk gry/grn/red/mar
 Ls-tan fxln dns no por sm Dolo-tan/lt gry fsln dns no por
 ----- Mississippi 4653 -2264 -----
 Dolo-tan/lt gry fxln dns lmy no por
 Dolo-crm/lt gry fxln to sl suc dns no por
 Dolo-AA sm Cht-wt fsh opac to semi trans nsfo
 Cht-wt/gry wt fsh opac to sl trans no stn nsfo trc brn spt stn
 in two pcs sm Dolo-AA
 Dolo-wt fxln mhd chty pr interxln por even to spt brn stn fr cut
 fr/gd fluor ssfo in few pcs on brk

10 units total gas
 CFS at 4467' - 45"
 CFS at 4490' - 45"
 Mud Data at 4654'
 11:10 am 1-3-12
 Wt 9.45
 Vis 51
 WL 8
 pH 10.5
 Chl 5000
 Sol 8.2%
 YP 13
 LCM trc
 Mud Data at 4673'
 10:35 am 1-4-12
 Wt 9.5
 Vis 53
 WL 6.4
 pH 10.5
 Chl 7000
 Sol 8.1%
 YP 14
 LCM trc
 50 units total gas
 20 units total gas
 Mud Data at 4679'
 10:50 am 1-5-12
 Wt 9.4
 Vis 51
 WL 8.8
 pH 10
 Chl 6800
 Sol 7.4
 YP 13
 LCM trc
 CFS at 4621' - 60"
 CFS at 4643' - 60"
 CFS at 4654' - 60"
 CFS at 4664' - 60"
 CFS at 4670' - 60"
 CFS at 4673' - 60"
 CFS at 4676' - 60"
 CFS at 4679' - 90"

0	ROP (min/ft)	10
0	Gamma (API)	150
6	Cal (in)	16



Dolo-cream/lt gry fxln to sl suc dns no por

Dolo-AA sm Cht-wt fsh opac to semi trans nsfo

Cht-wt/gry wt fsh opac to sl trans no stn nsfo trc brn spt stn in two pcs sm Dolo-AA

Dolo-wt fxln mhd chty pr interxln por even to spt brn stn fr cut fr/gd fluor ssfo in few pcs on brk

Cht-wt/gr wt fsh opac no por and Dolo-cream fxln to sl suc mhd sl chty no por

Cht & Dolo-AA

Cht-wt/gr wt fsh opac no por and Dolo-cream fxln to sl suc mhd sl chty no por

Cht & Dolo-AA

Cht-wt fsh opac no por and Dolo-cream fxln mhd no por

Cht & Dolo-AA

Cht-wt fsh opac no por and Dolo-cream fxln mhd sl chty no por

Cht & Dolo-AA

-----RTD 4758 -2369-----

CFS at 4664' - 60"

CFS at 4670' - 60"

CFS at 4673' - 60"

CFS at 4676' - 60"

CFS at 4679' - 90"

Pulled 25 stand short trip at 4673' then Cir for Test - 60"

Pipe strap at 4673' - 10' long

DST No. 1 4630 to 4673
30-60-15-60
1st Open: Weak sur blow, died in 20 min
2nd Open: No blow
Rec: 30' HOCM (20% Oil 80% Mud)
IHP 2277 FHP 2268
IFP 28-33 FFP 34-40
ISIP 618 FSIP 787
Temp 125 deg

DST No. 2 4670 to 4679
30-60-60-90
1st Open: Weak blow, built to 2"
2nd Open No blow
Rec: 190' MW (Chl 23,000)
IHP 2244 FHP 2232
IFP 23-45 FFP 51-103
ISIP 1443 FSIP 1427
Temp 136 deg

Finished Drilling at 9:24 pm on 1-5-12 Cir for Log - 120"

Finished Logging at 9:30 am on 1-6-12

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

January 17, 2012

Dana Wreath
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-083-21733-00-00
Spahr 1
NE/4 Sec.21-22S-23W
Hodgeman 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,
Dana Wreath



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 33793

LOCATION Odell, KS

FOREMAN Miles Shew
Fuzzy McCullick

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-27-11	1707	Spahr #1	21	22 S	23 W	Hobbs

TRUCK #	DRIVER	TRUCK #	DRIVER
403	Josh G		
439	Gary D		

CUSTOMER Berexco *Solmane 3iv 4 fast 7/11*

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 260 CASING SIZE & WEIGHT 5 5/8 - 20 #

CASING DEPTH 257.71 DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'

DISPLACEMENT 15 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting & Rig up Berexco Puz # 2 Circulate Casing
Mix 175 sks cement 3 3/8 CC - 22 Gel, displace 15 1/2 bbl water Shut in
Cement did circulate 4 bbl back

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540/S	1	PUMP CHARGE	1025. ⁰⁰	1025. ⁰⁰
5406	35	MILEAGE	5. ⁰⁰	175. ⁰⁰
1104S	175 sks	Class A Cement	14.25	2493.75
1102	494 #	Calcium Chloride	.70	345.80
1118 B	329 #	Bentonite	.20	65.80
5407A	P.22	Ten Mileage delivery	1.58	330. ⁰⁰
			Subtotal	4435.35
			less 10% discount	443.54
			Subtotal	3991.81
			SALES TAX	194.79
			ESTIMATED TOTAL	4186.60

Form 3737

AUTHORIZATION [Signature] TITLE Pusher DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this for



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita Ks 67206-1094
ATTN: Dana Wreath

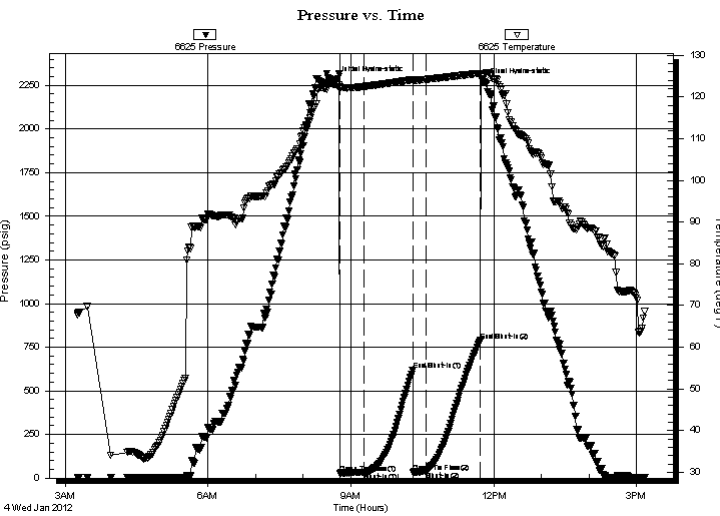
21-22s-23w Hodgeman
Spahr #1
Job Ticket: 46020 **DST#: 1**
Test Start: 2012.01.04 @ 03:15:30

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:45:55
Time Test Ended: 15:11:25
Interval: **4630.00 ft (KB) To 4673.00 ft (KB) (TVD)**
Total Depth: 4673.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2389.00 ft (KB)
2374.00 ft (CF)
KB to GR/CF: 15.00 ft

Serial #: 6625 Inside
Press @ Run Depth: 40.21 psig @ 4637.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.04 End Date: 2012.01.04 Last Calib.: 2012.01.04
Start Time: 03:15:30 End Time: 15:11:25 Time On Btm: 2012.01.04 @ 08:39:54
Time Off Btm: 2012.01.04 @ 11:46:54

TEST COMMENT: 30-IFP-w k bl died in 20min
60-ISIP-no bl
15-FFP-no bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.85	122.99	Initial Hydro-static
7	28.88	122.08	Open To Flow (1)
37	33.78	122.51	Shut-In(1)
98	618.08	124.13	End Shut-In(1)
99	34.81	123.97	Open To Flow (2)
115	40.21	124.20	Shut-In(2)
184	787.47	125.68	End Shut-In(2)
187	2268.37	124.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	HOCM 20% O80%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-22s-23w Hodgeman

2020 N Bramblewood
Wichita Ks 67206-1094

Spahr #1

Job Ticket: 46020

DST#: 1

ATTN: Dana Wreath

Test Start: 2012.01.04 @ 03:15:30

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:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	HOCM 20% O 80% M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

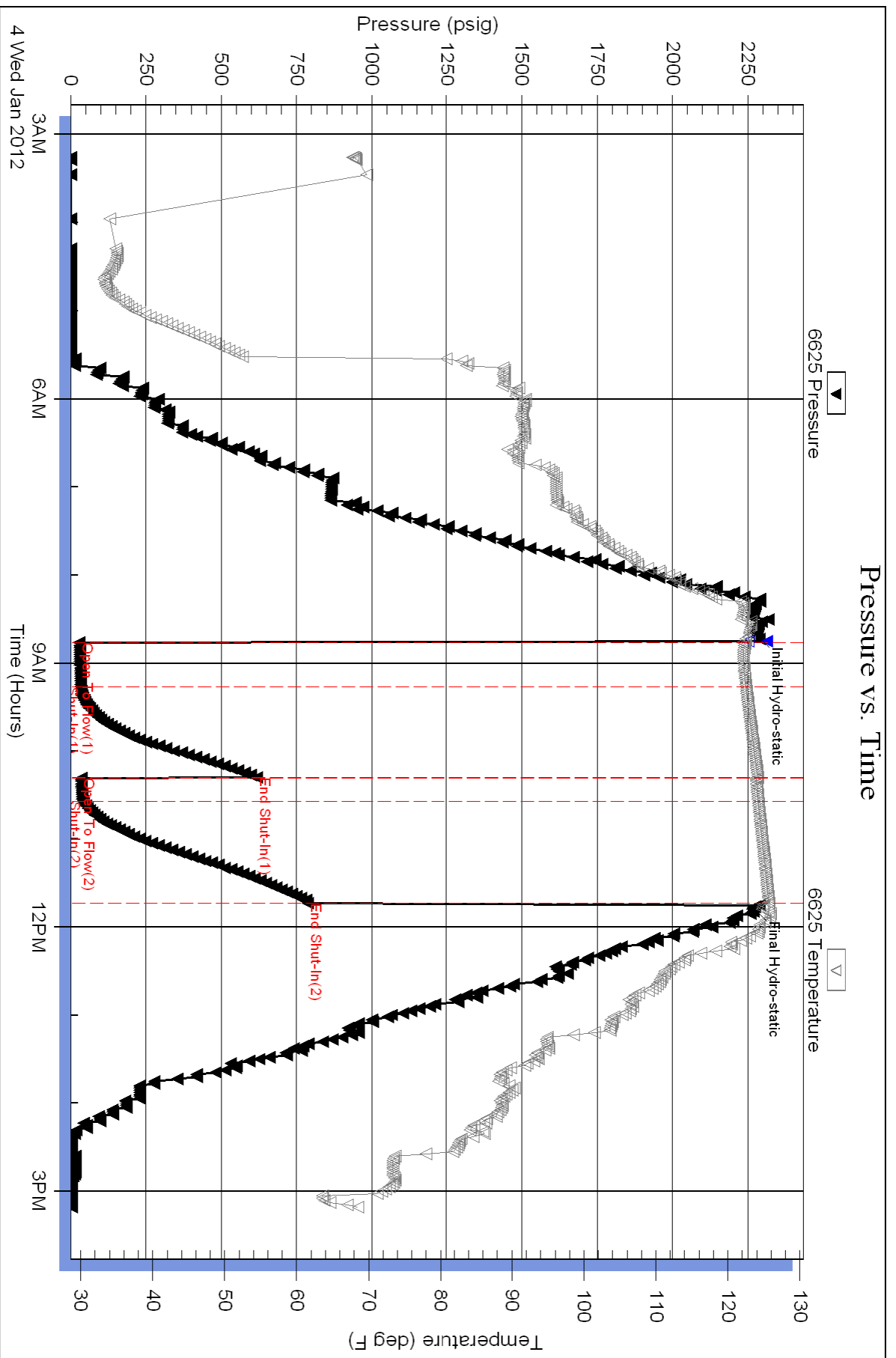
Serial #: 6625

Inside

Berexco LLC

Spahr #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46020

Printed: 2012.01.04 @ 15:40:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita Ks 67206-1094
ATTN: Dana Wreath

21-22s-23w Hodgeman

Spahr #1

Job Ticket: 46021

DST#: 2

Test Start: 2012.01.05 @ 03:05:43

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:01:08
 Time Test Ended: 14:36:38
 Interval: **4670.00 ft (KB) To 4679.00 ft (KB) (TVD)**
 Total Depth: 4679.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2389.00 ft (KB)
 2374.00 ft (CF)
 KB to GR/CF: 15.00 ft

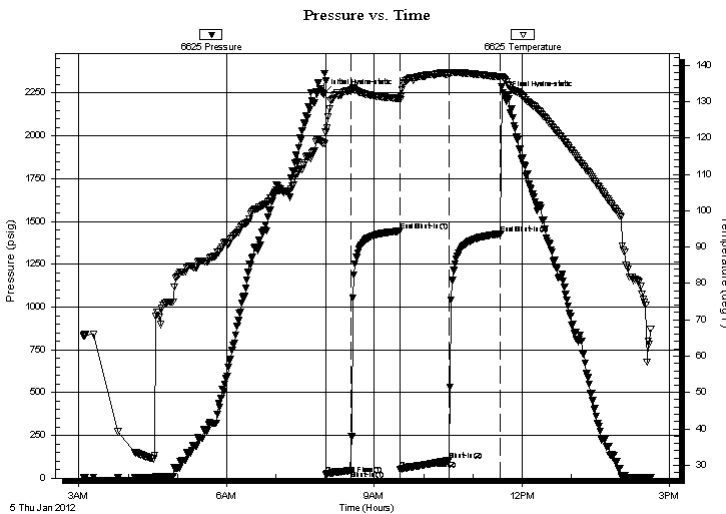
Serial #: 6625

Inside

Press @ Run Depth: 103.92 psig @ 4671.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.05 End Date: 2012.01.05 Last Calib.: 2012.01.05
 Start Time: 03:05:43 End Time: 14:36:38 Time On Btm: 2012.01.05 @ 07:58:07
 Time Off Btm: 2012.01.05 @ 11:39:08

TEST COMMENT: 30-IFP-w k bl 1/4"to 2"bl
 60-ISIP-no bl
 60-FFP-no bl 1st 6min, then w k surface bl
 60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.67	118.53	Initial Hydro-static
4	23.03	121.43	Open To Flow (1)
34	45.62	133.06	Shut-In(1)
94	1443.83	130.90	End Shut-In(1)
94	51.79	130.50	Open To Flow (2)
154	103.92	137.51	Shut-In(2)
216	1427.28	136.80	End Shut-In(2)
222	2232.66	135.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	MW 10%M90%W	0.93

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-22s-23w Hodgeman

2020 N Bramblewood
Wichita Ks 67206-1094

Spahr #1

Job Ticket: 46021

DST#: 2

ATTN: Dana Wreath

Test Start: 2012.01.05 @ 03:05:43

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:

23000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	MW 10%M90%W	0.934

Total Length: 190.00 ft Total Volume: 0.934 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .23@75F

Serial #: 6625

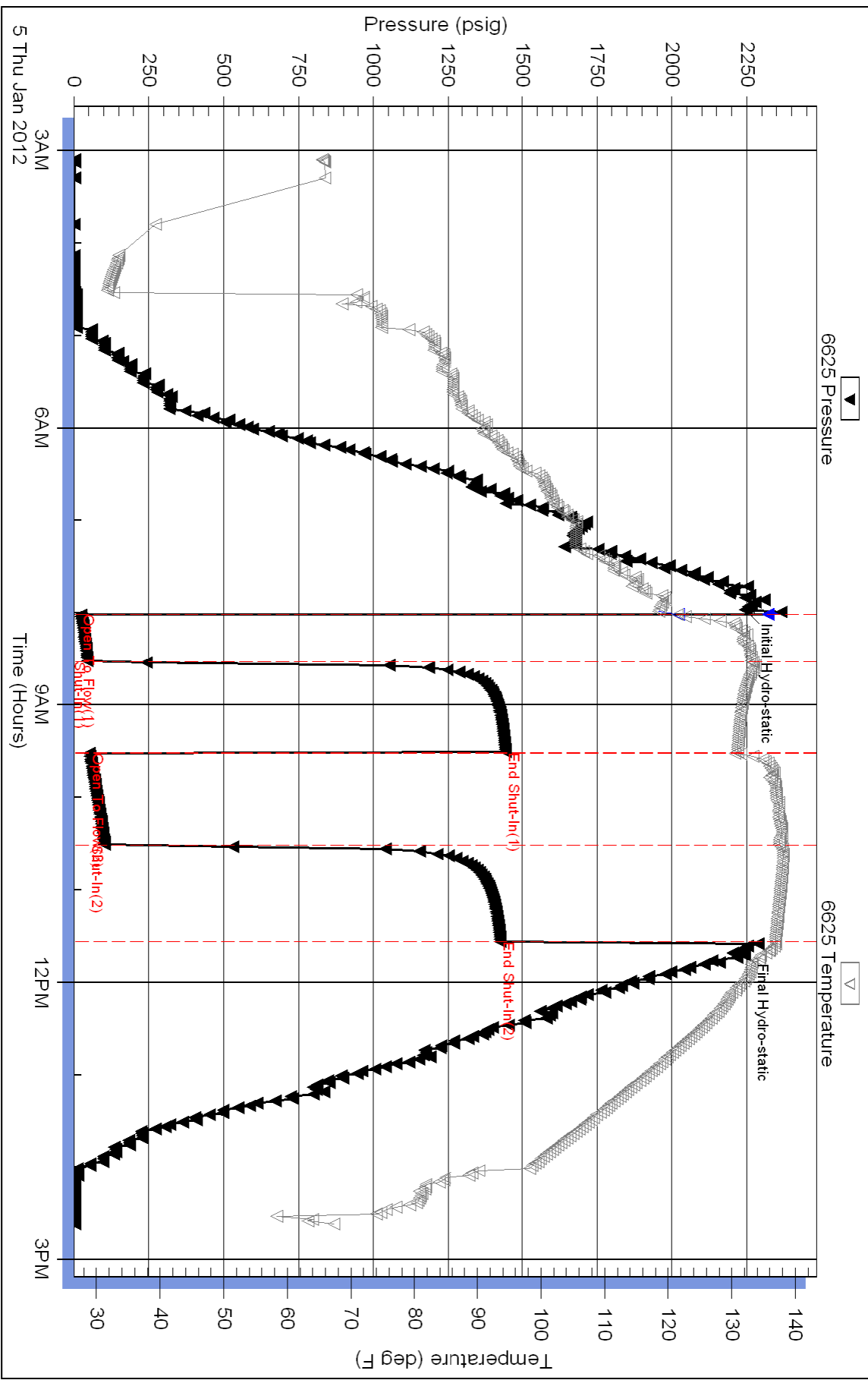
Inside

Berexco LLC

Spahr #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46021

Printed: 2012.01.05 @ 15:01:48