



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1083213
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: _____

1083213

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 45786

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.04.06 @ 04:39:55

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:10:40

Time Test Ended: 11:57:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4230.00 ft (KB) To 4246.00 ft (KB) (TVD)

Reference Elevations: 2219.00 ft (KB)

Total Depth: 4246.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 69.82 psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.06

End Date:

2012.04.06

Last Calib.:

2012.04.06

Start Time: 04:39:56

End Time:

11:57:25

Time On Btm:

2012.04.06 @ 07:08:40

Time Off Btm:

2012.04.06 @ 09:47:55

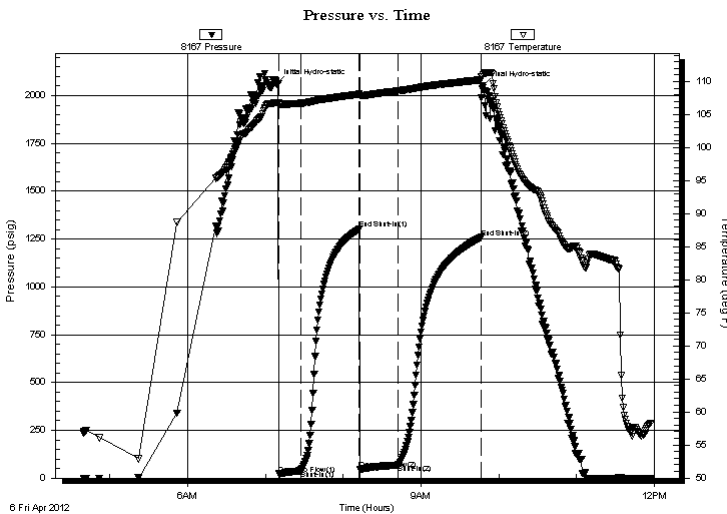
TEST COMMENT: IF: Fair blow . 4" increasing to 8".

IS: No blow .

FF: Weak blow . Slow increase to 3".

FS: No blow .

PRESSURE SUMMARY



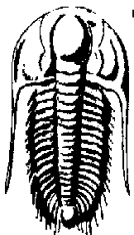
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.12	106.80	Initial Hydro-static
2	21.51	106.42	Open To Flow (1)
19	39.22	106.71	Shut-In(1)
64	1301.64	108.09	End Shut-In(1)
65	44.32	107.85	Open To Flow (2)
94	69.82	108.59	Shut-In(2)
158	1258.56	110.26	End Shut-In(2)
160	2051.60	111.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW w/o specs 4% m 96% w	0.30
0.00	Rw .075 ohms @ 66 deg.	0.00
40.00	GOCM 4% g 7% o 89% m	0.20
0.00	155 ft. of GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 45786

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.04.06 @ 04:39:55

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:10:40

Time Test Ended: 11:57:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4230.00 ft (KB) To 4246.00 ft (KB) (TVD)

Reference Elevations: 2219.00 ft (KB)

Total Depth: 4246.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8370 Outside

Press @RunDepth: psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.06

End Date: 2012.04.06

Last Calib.: 2012.04.06

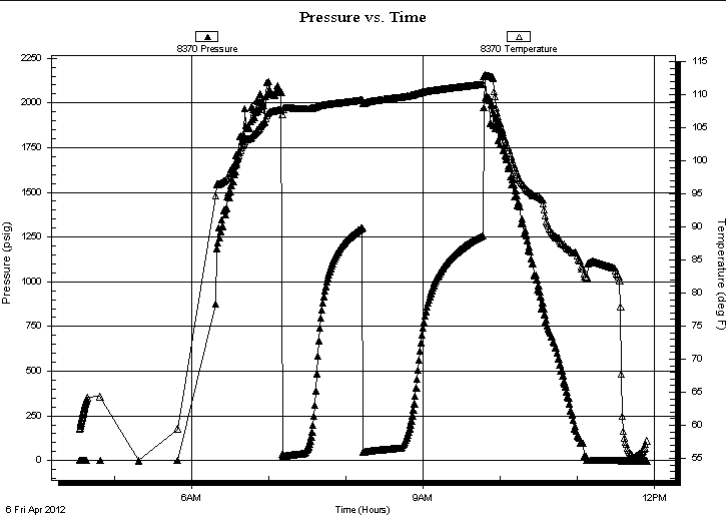
Start Time: 04:32:58

End Time: 11:54:22

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Fair blow . 4" increasing to 8".
IS:No blow .
FF:Weak blow . Slow increase to 3".
FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW w/o specs 4%w 96%w	0.30
0.00	Rw .075 ohms @ 66 deg.	0.00
40.00	GOCM 4%g 7%o 89%m	0.20
0.00	155 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 45786

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.04.06 @ 04:39:55

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:

119000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MW w/o specs 4% _m 96% _w	0.295
0.00	Rw .075 ohms @ 66 deg.	0.000
40.00	GOCM 4% _g 7% _o 89% _m	0.197
0.00	155 ft.of GIP	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

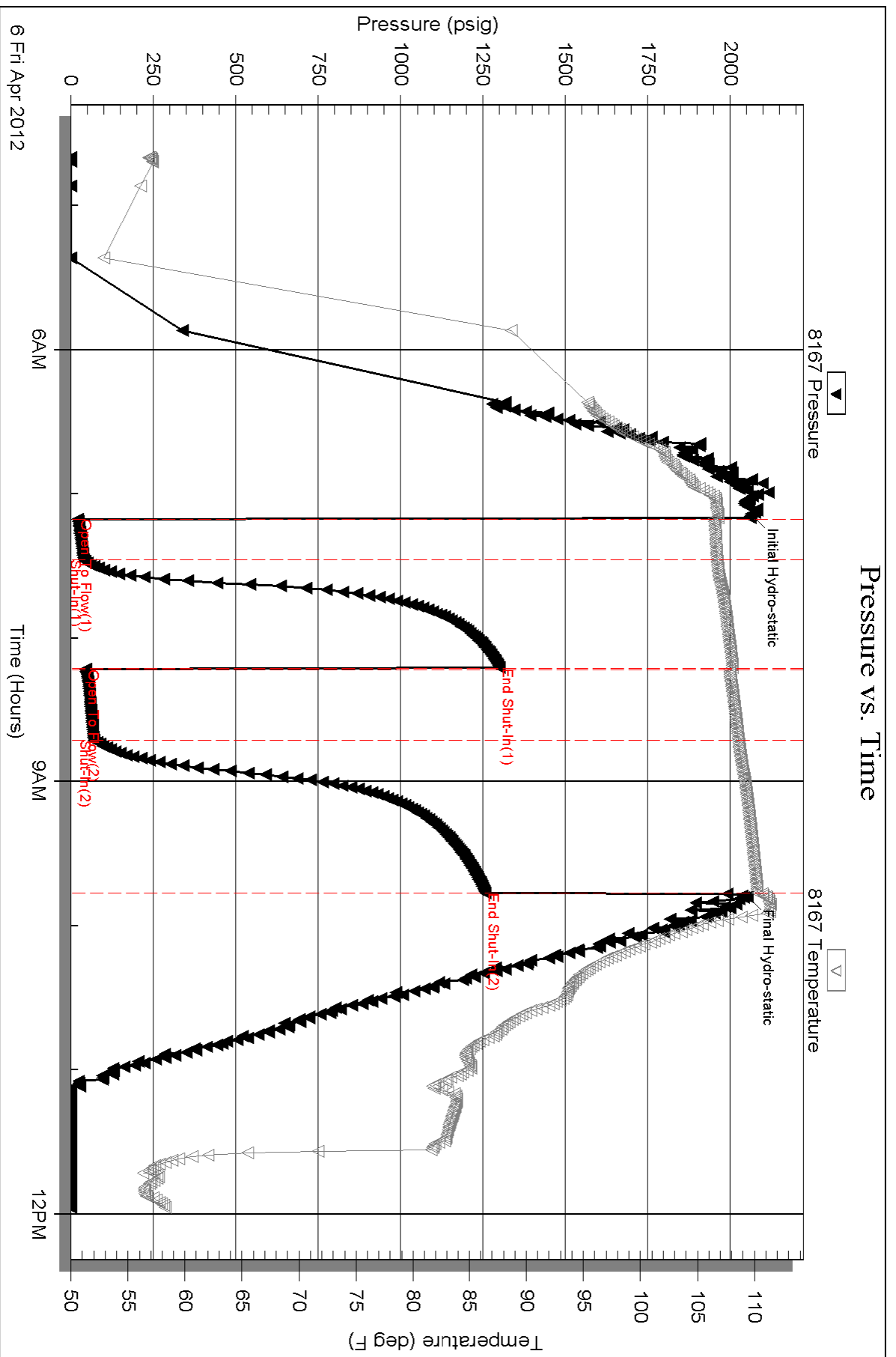
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

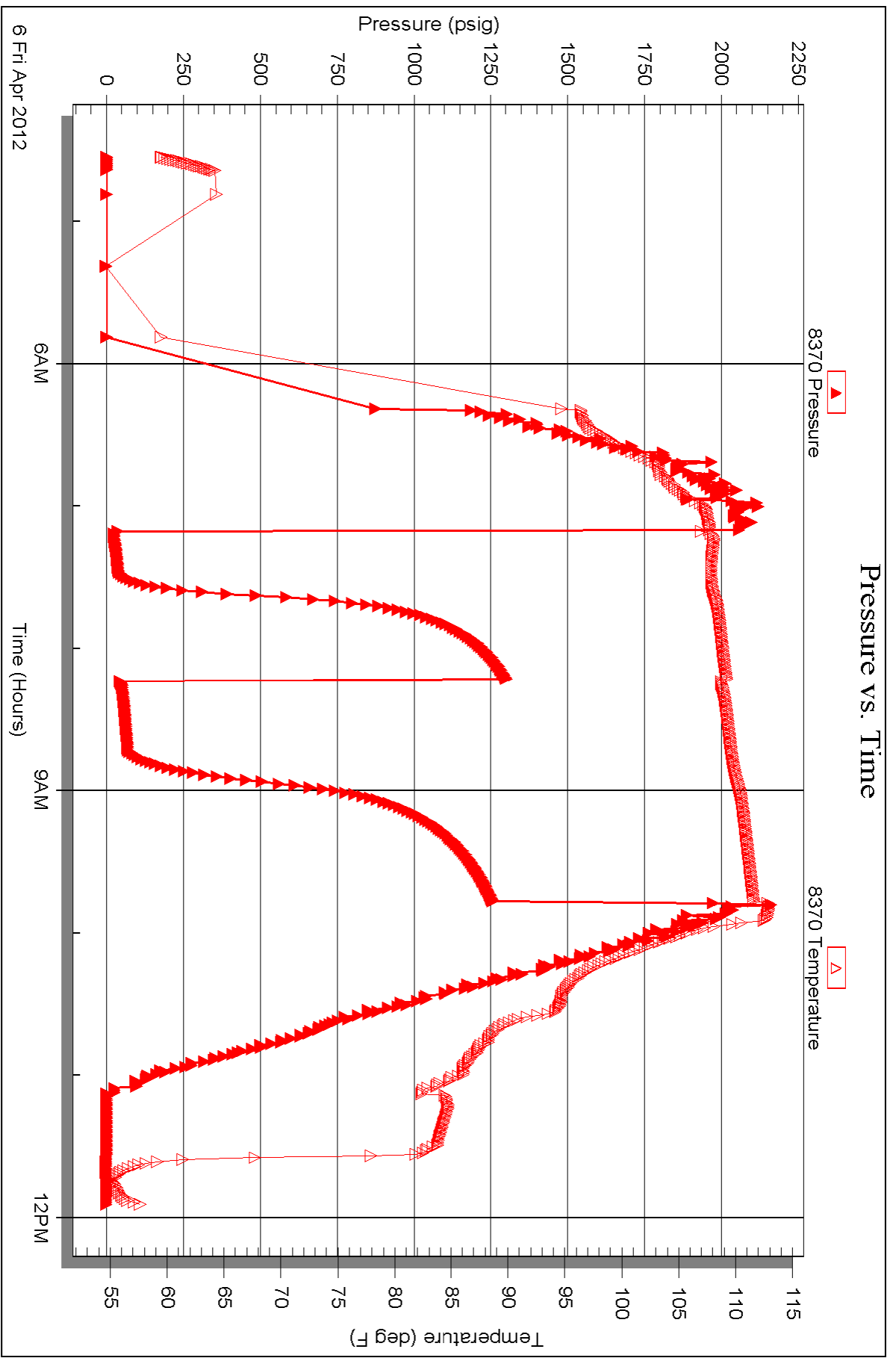


Serial #: 8370

Outside Strata Exploration Inc.

Richardson #1-3

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45786

Printed: 2012.04.06 @ 16:02:05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 46306

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.04.06 @ 23:00:00

GENERAL INFORMATION:

Formation: **KC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:36:00

Time Test Ended: 07:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4257.00 ft (KB) To 4282.00 ft (KB) (TVD)

Reference Elevations: 2219.00 ft (KB)

Total Depth: 4282.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 20.97 psig @ 4258.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.06

End Date:

2012.04.07

Last Calib.:

2012.04.07

Start Time: 23:10:00

End Time:

07:03:30

Time On Btm:

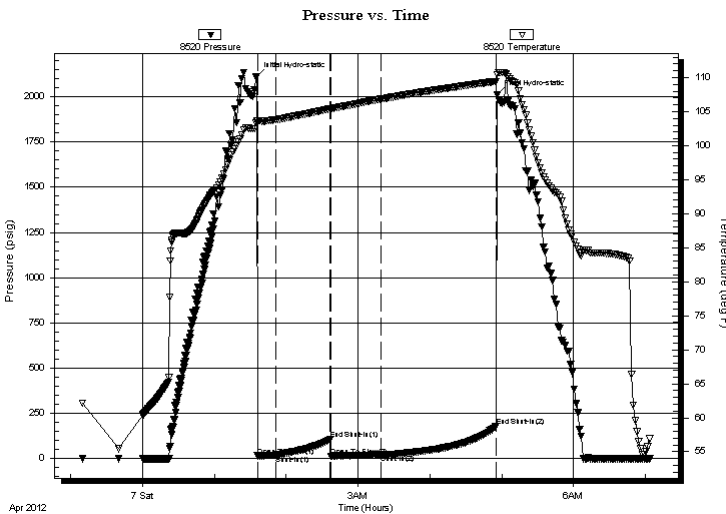
2012.04.07 @ 01:35:30

Time Off Btm:

2012.04.07 @ 04:56:00

TEST COMMENT: 15 - IF- 1/4" blow
45 - IS- No blow back
45 - FF- 1/4" blow in 10 Min. Died in 25 Min.
90 - FS- No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.88	103.66	Initial Hydro-static
1	14.68	103.41	Open To Flow (1)
16	18.91	103.79	Shut-In(1)
61	104.66	105.40	End Shut-In(1)
62	13.58	105.42	Open To Flow (2)
104	20.97	106.83	Shut-In(2)
200	178.14	109.44	End Shut-In(2)
201	2010.20	110.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil scum, 100%M	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 46306

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.04.06 @ 23:00:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - Oil scum, 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

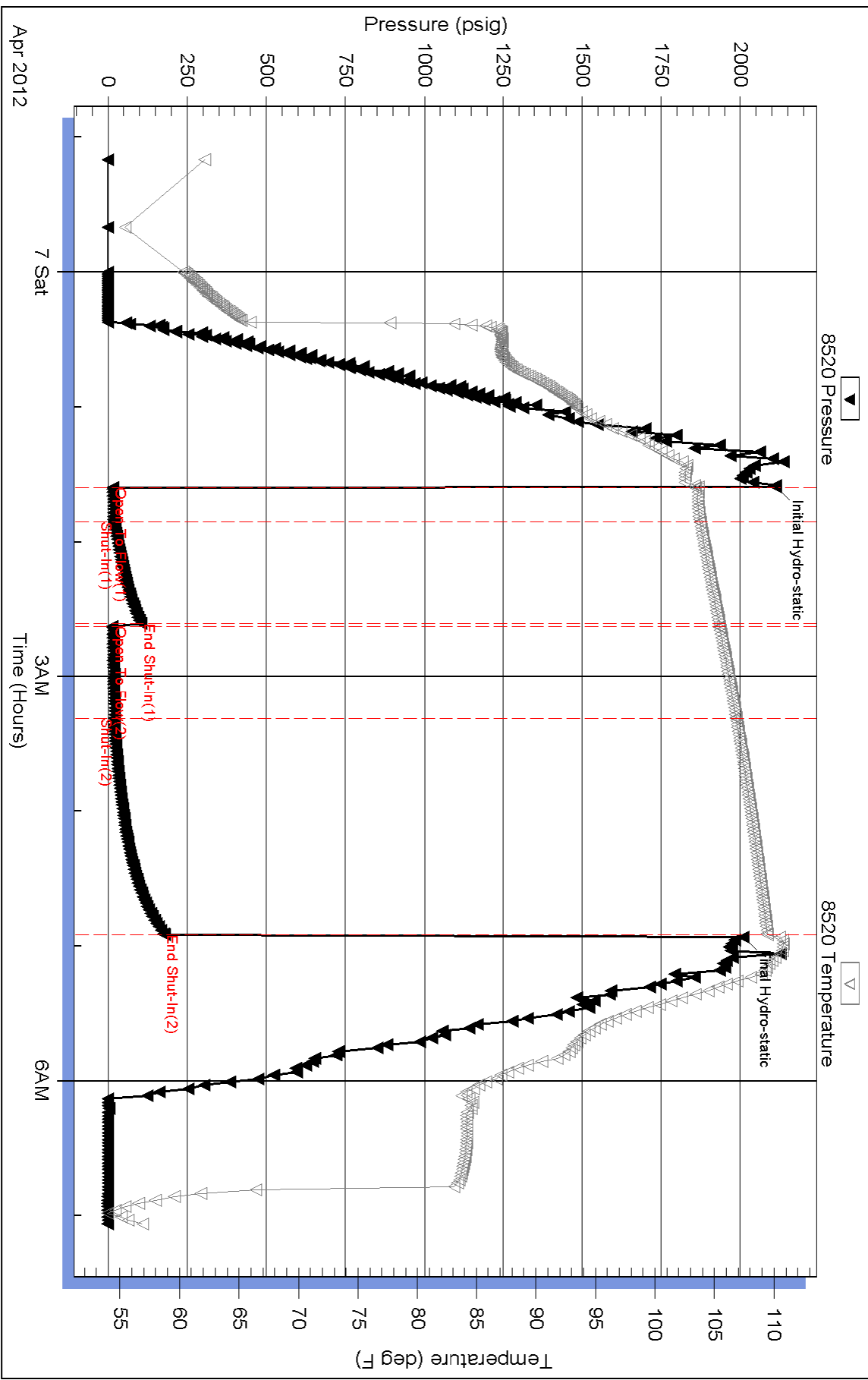
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



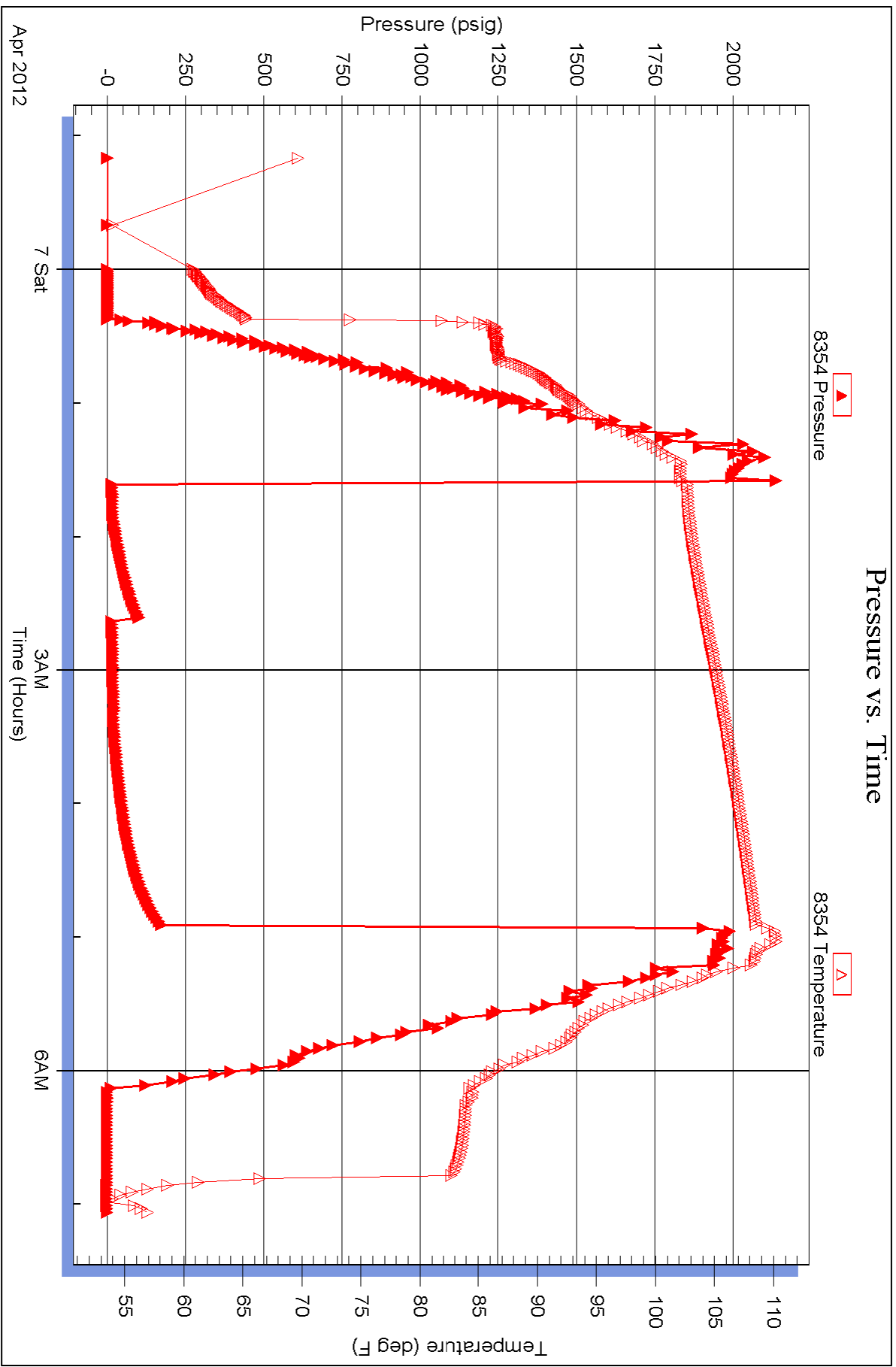
Serial #: 8354

Inside

Strata Exploration Inc.

Richardson #1-3

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

ATTN: Jon Christensen

Job Ticket: 47472

DST#: 3

Test Start: 2012.04.09 @ 06:20:16

GENERAL INFORMATION:

Formation: **Mississippi Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:24:31

Time Test Ended: 15:09:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Kevin Taylor

Unit No: 43

Interval: 4780.00 ft (KB) To 4832.00 ft (KB) (TVD)

Reference Elevations: 2219.00 ft (KB)

Total Depth: 4832.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6773

Inside

Press @ Run Depth: 55.37 psig @ 4781.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.09

End Date:

2012.04.09

Last Calib.:

2012.04.09

Start Time: 06:20:21

End Time:

15:09:31

Time On Btm:

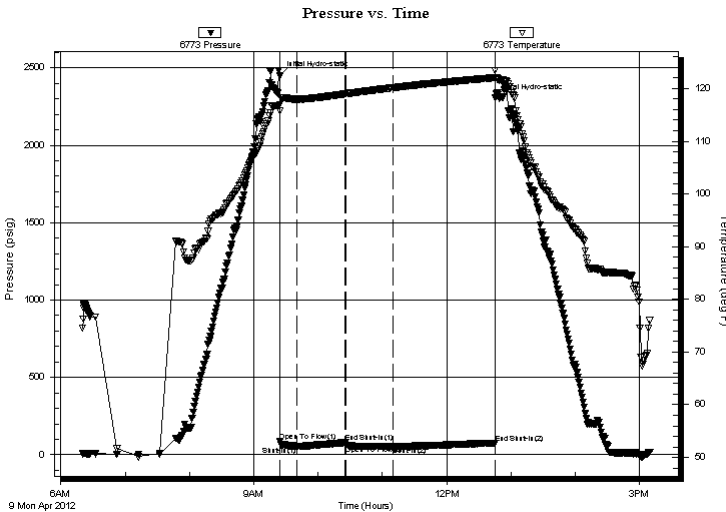
2012.04.09 @ 09:24:16

Time Off Btm:

2012.04.09 @ 12:45:31

TEST COMMENT: I.F. Weak Blow Built To 1 3/4" In 15 Min
I.S.I. No Blow
F.F. weak Blow Built To 1" In 18 Min
F.S.I. No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2448.07	116.99	Initial Hydro-static
1	84.41	115.72	Open To Flow (1)
16	56.42	117.97	Shut-In(1)
62	79.90	118.99	End Shut-In(1)
62	60.96	119.00	Open To Flow (2)
106	55.37	120.15	Shut-In(2)
201	76.73	122.06	End Shut-In(2)
202	2305.02	123.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil Spotted MUD	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

3-28s-18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Richardson #1-3

Job Ticket: 47472

DST#: 3

ATTN: Jon Christensen

Test Start: 2012.04.09 @ 06:20:16

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Oil Spotted MUD	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

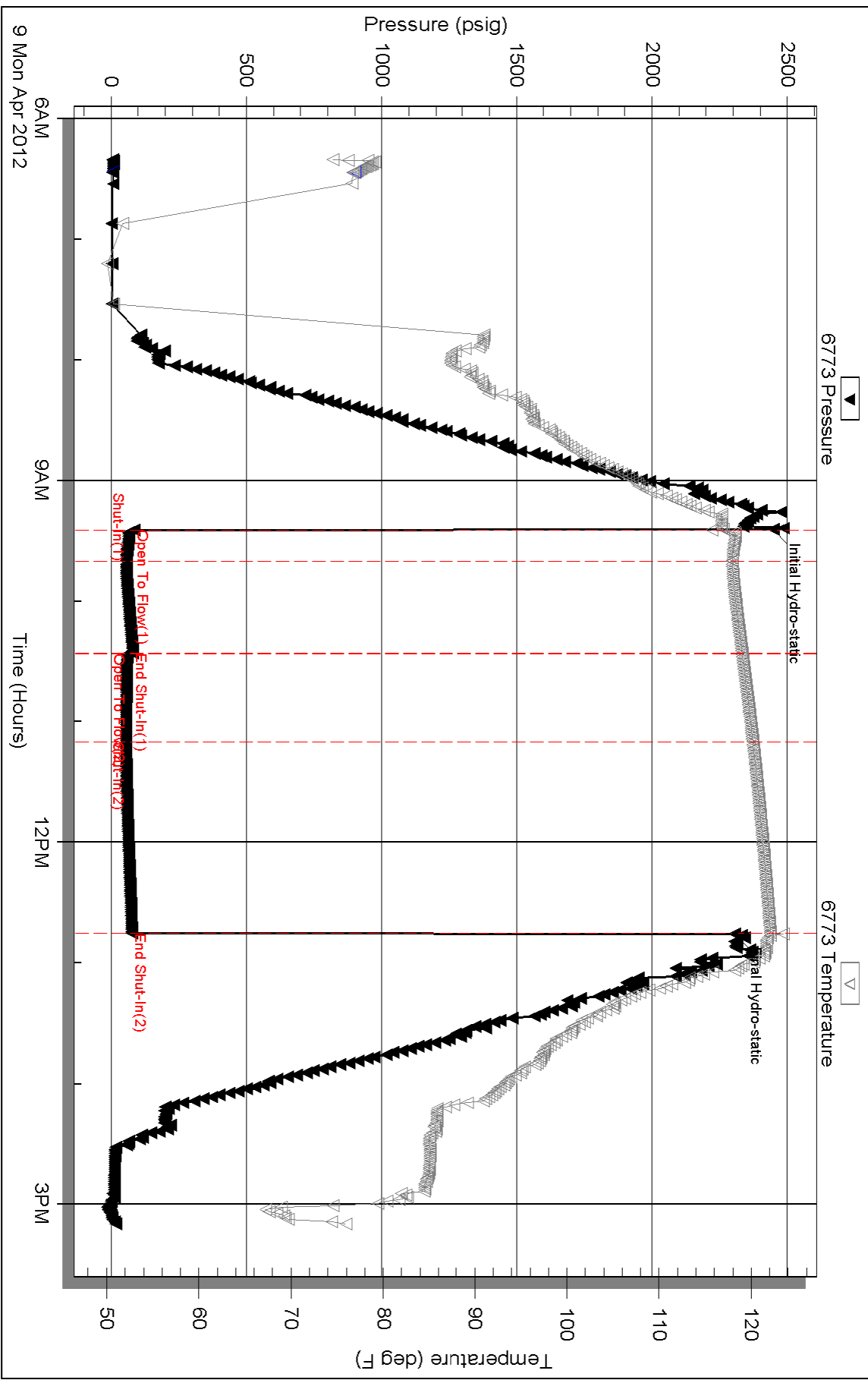
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Richardson #1-3
Location: 1700' FNL & 1305' FEL, Sec. 3-T28S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21721-0000 Region: Greensburg Field
Spud Date: 3/31/2012 Drilling Completed: 4/10/2012
Surface Coordinates: 1700' FNL & 1305' FEL, Sec. 3-T28S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2208' K.B. Elevation (ft): 2219'
Logged Interval (ft): 3400' To: 4890' Total Depth (ft): 4890'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3360'; Chemical Gel 3360' to 4890'

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

OPERATOR

Company: Strata Exploration, Inc.
Address: P.O. Box 401
Fairfield, IL. 62837-0401

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Lansing 'A') 4230' - 4246' Test Times 15"-45"-30"-60" IFP Fair Blow built to 8"; FFP Weak Blow built to 3", no Blowback on SI's; REC: 155' Gas in Pipe, 40' GOCM(4%G, 7%O, 89%M), 60' MSW w/oil specks(CI 119,000, Mud 9000); IFP 22-39#, ISIP 1302#, FFP 44-70#, FSIP 1259#, IHP 2064#, FHP 2052#, BHT 110 Deg. F.

DST #2(Lansing 'B') 4257' - 4282' Test Times 15"-45"-45"-90"
IFP Weak 0.25" Blow, FFP Weak 0.25" Blow, Died; no Blowback on SI's; REC: 5' Drlg. Mud w/few oil specks;
IFP 14-18#, ISIP 104#, FFP 13-20#, FSIP 178#, IHP 2112#, FHP 2010#, BHT 109 Deg. F.

DST #3(Mississippi Chert) 4780' - 4832' Test Times 15"-45"-45"-90" IFP Weak Blow built to 1.5"; FFP Weak 1"
Blow, no Blowback on SI's; REC: 15' Mud w/oil specks, no detectable GIP, no water; IFP 84-56#, ISIP 80#, FFP
61-55#, FSIP 77#, IHP 2448#, FHP 2305#, BHT 121 Deg. F.

Comments


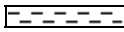

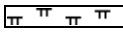
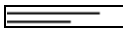
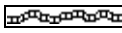


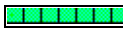

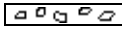


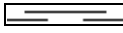

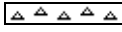


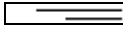

3/31/12 MIRU Sterling Drilling Rig #2, Spud at 4:15 PM.; 4/1/12 TD. 622' - Running Surface Casing; 4/2/12 Drilling at 1173'; 4/3/12 Drilling at 2520'; 4/4/12 Drilling at 3306'; 4/5/12 Drilling at 3850'; 4/6/12 TD. 4246' - DST #1; 4/7/12 TD. 4282' - Laydown Test tool after DST #2; 4/8/12 Drilling at 4615'; 4/9/12 TD. 4832' - Make up test tool for DST #3; 4/10/12 RTD. 4890' - reached TD. at 2:00 AM. Rig up Loggers(Halliburton)

Set new 8 5/8"(23#) Surface Casing at 622' w/ 350 sx. Cement did Circulate(Basic Energy Services). PD. 8:30 AM. 4/1/12.








































































Surveys: 0.5 Deg. at 622'(Surface Casing); 0.75 Deg. at 4246'(DST #1); 0.75 Deg. at 4832'(DST #3).

Pipe Strap at 4246'(DST#1): Strap 1.06' Short to the Board, no correction made to the Board.
























ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL	 Gyp	FOSSIL	 Ostra	 Sltstrg
 Anhy	 Hvymin	 Algae	 Pelec	 Ssstrg
 Arggrn	 Kaol	 Amph	 Pellet	
 Arg	 Marl	 Belm	 Pisolite	TEXTURE
 Bent	 Minxl	 Bioclst	 Plant	 Boundst
 Bit	 Nodule	 Brach	 Strom	 Chalky
 Brecfrag	 Phos	 Bryozoa	STRINGER	 Cryxln
 Calc	 Pyr	 Cephal	 Anhy	 Earthy
 Carb	 Salt	 Coral	 Arg	 Finexln
 Chtdk	 Sandy	 Crin	 Bent	 Grainst
 Chtlt	 Silt	 Echin	 Coal	 Lithogr
 Dol	 Sil	 Fish	 Dol	 Microxln
 Feldspar	 Sulphur	 Foram	 Gyp	 Mudst
 Ferrpel	 Tuff	 Fossil	 Ls	 Packst
 Ferr		 Gastro	 Mrst	 Wackest
 Glau		 Oolite		

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted	EVENT
 Earthy		 Rounded	 Ques	 Rft
 Fenest	SORTING	 Subrnd	 Dead	 Sidewall
 Fracture	 Well	 Subang		
 Inter	 Moderate	 Angular	INTERVAL	
 Moldic	 Poor		 Core	
 Organic		OIL SHOW	 Dst	
 Pinpoint		 Even		

Curve Track 1

ROP (min/ft) ———
 Gamma (API) - - - - -

TG, C1-C5
 TG (Units) ———
 C1 (units) - - - - -
 C2 (units)
 C3 (units)
 C4 (units)
 C5 (units)

Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions

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

Displace Mud at
 3360'

STRATA EXPLORATION, INC.

RICHARDSON #1-3

GEOLOGICAL REPORT

KB. 2219'

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

conn
A.V.= 115.80

STOTLER LMST. 3420(-1201)

Bit trip at 3427' TOH for Plugged bit

Vis 60
 Wt. 8.5
 LCM 0#
 conn

Start 10' Wet and Dry Samples at 3450'

WOB 40K
 PP 850
 SPM 60
 RPM 75-80

SH; med gy, silty ip, most smooth, platy, rarely pyr

conn

LM; lt to med brn, hd, blocky, foss ip, tite

LM; lt brn, gy brn, foss, scat cse well cem foss frags, no vis por, minor finely pelletal, lt yel min fluor, no stn, ns, interbdd grn silty sh.

Vis 60
 Wt. 8.5
 LCM 0#
 conn

LM; dk brn, rarely gy brn, dense, micritic

LM; off wh, tan, buff, fxln w/scat foss mat, trc dk brn cht, most well cem, rare lt yel min fluor, no stn or odor, ns.

WOB 40K
 PP 950#
 SPM 60
 RPM 75-80
 conn

LM; tan to lt brn, buff, dense, scat well cem foss, no vis por, ns.

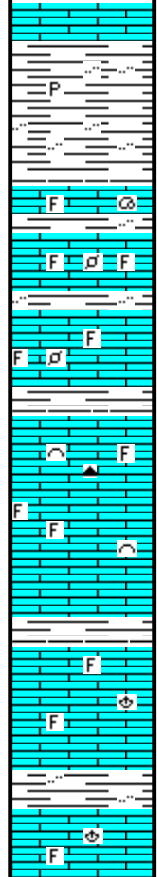
SH; grn, gy grn, soft, silty ip.

LM; tan to gy brn, foss ip, most well cem, interbdd

3400

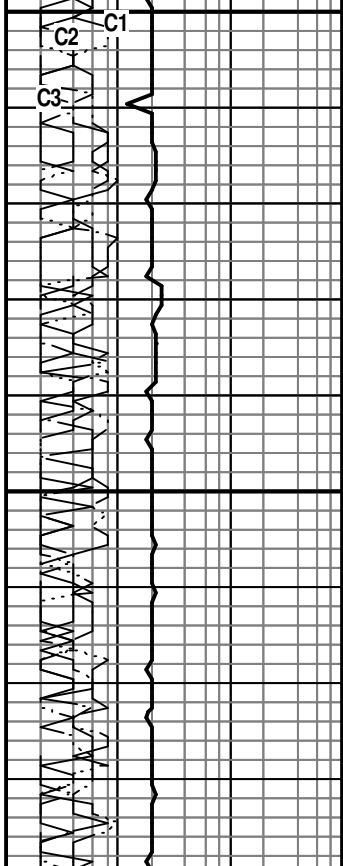
3450

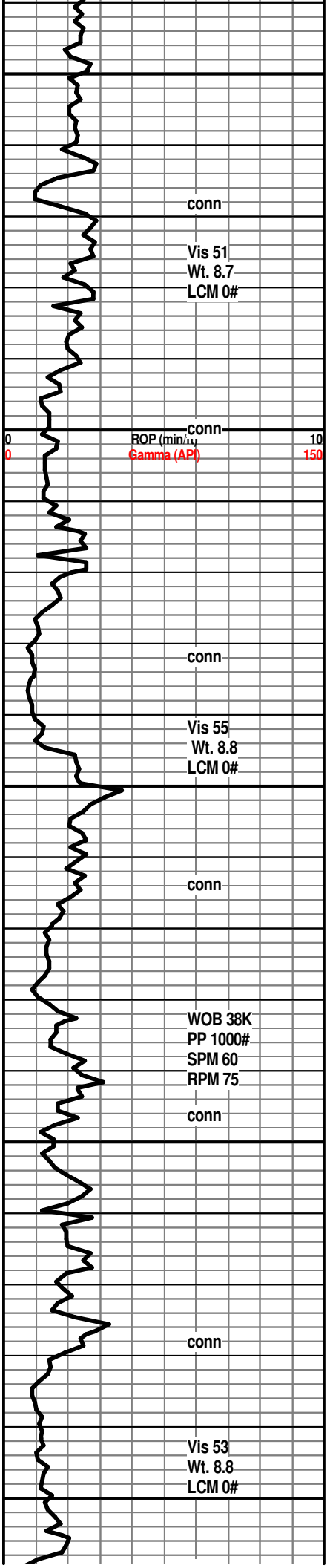
3500



0.5 TG, C1-C5 5 50 500

0.5 TG, C1-C5 5 50 500





3550
3600
3650
3700
3750

conn
Vis 51
Wt. 8.7
LCM 0#

conn
ROP (min/lb)
Gamma (AP)

conn
Vis 55
Wt. 8.8
LCM 0#

conn

WOB 38K
PP 1000#
SPM 60
RPM 75

conn

conn

Vis 53
Wt. 8.8
LCM 0#

shales, no vis por, ns.

LM; lt brn, tan, rarely off wh, fxln w/scat foss mat, lt yel spotted fluor, no stn, ns.

LM; lt brn, highly foss, fair to gd interpart por, occ lt yel min fluor only, minor soft chalky mtx, no stn or odor, no gas kick, barren, ns.

LM; tan to lt brn, occ med brn, foss ip, most well cem, no vis por, trc tan to gy cht, no fluor, ns.

SH; med gy, firm, occ silty, minor amt. of pyr

SH; med to occ dk gy, firm, occ silty

HOWARD 3618(-1399)

LM; off wh, wh, buff, foss, scat well dev. p-p and occ vug por, chalky soft mtx, lt yel fluor, no stn or odor, no gas kick

LM; off wh, tan, buff, med xln to occ gran, gd interxln w/occ vug por, chalky soft mtx, no fluor, ns.

SH; dk gy to occ blk, platy

LM; tan to cream, buff, fxln, most hd, blocky, no vis por, trc off wh cht, ns.

LM; tan to off wh, cream, foss, occ gran to med xln w/spar calc xtals, most w/chalky mtx, dull yel to no fluor, no stn, ns.

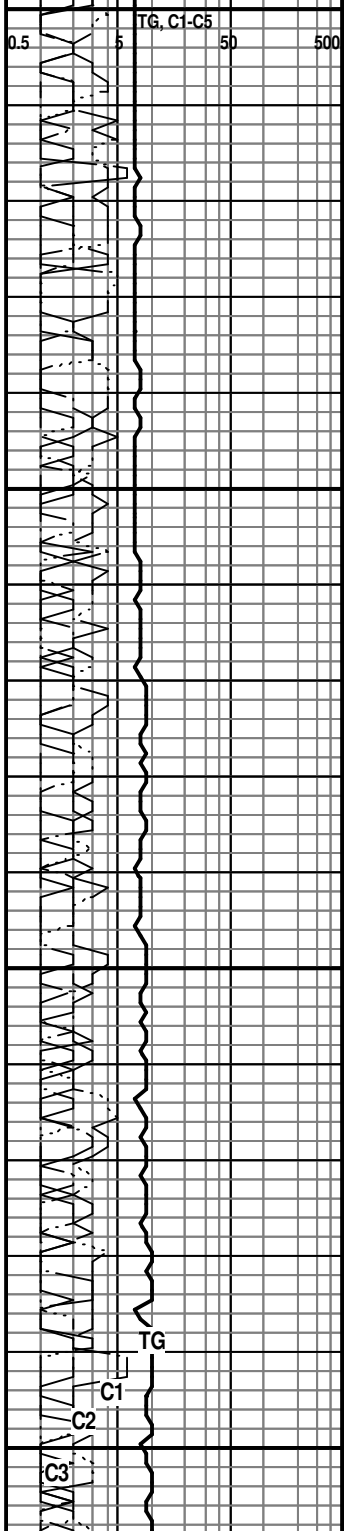
LM; lt brn, fxln to occ sucrosic text, partly dolomitic, most well cem, occ fair interxln por, no fluor, scat tan cht, no stn, ns.

TOPEKA 3710(-1491)

LM; tan to lt brn, foss, f to rarely med xln ip, scat fair interxln w/occ p-p por, dull yel min fluor only, no stn or odor, no gas kick, ns.

LM; off wh, cream, tan, fxln w/gd interxln por, interbdd foss lmst, gd interpart por also, lt yel min fluor only, no stn or odor, ns.

LM; tan to lt brn, fxln to occ sucrosic text, interbdd



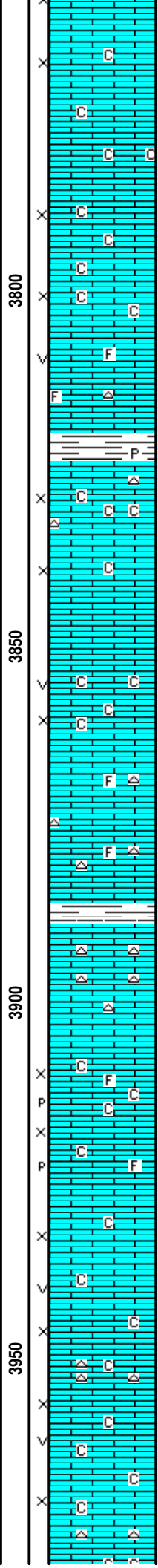
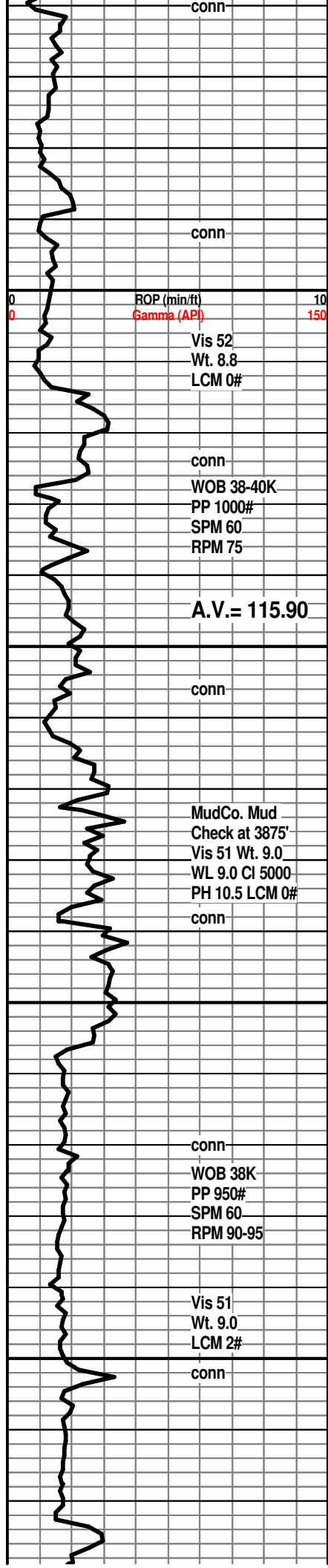
TG, C1-C5

TG

C1

C2

C3



opaque cse spar calc xtals, fair to gd interpart por, scat lt yel min fluor only, no stn or odor, ns.

LM; wh, off wh, buff, f to med xln, fair interxln por, scat spar calc xtals, interbdd soft chalky lmst, dull yel min fluor, ns.

LM; tan to lt brn, med to occ cse xln, vug por in some, scat foss mat, no fluor, no stn or odor, ns.

SH; med gy, grn, platy, occ pyr

LM; off wh, tan, lt brn, f to med xln, some gran text, fair interxln por, interbdd soft chalky lmst, scat gy/brn occ foss cht, no fluor, ns.

LM; tan to lt brn, buff, foss ip, most med xln to occ gran text, occ soft chalky mtz, fair interxln w/rare vug por, lt yel min fluor, no stn or odor, ns.

LM; tan to lt brn, occ buff, most dense, blocky, trc gy foss cht, no vis por, ns.

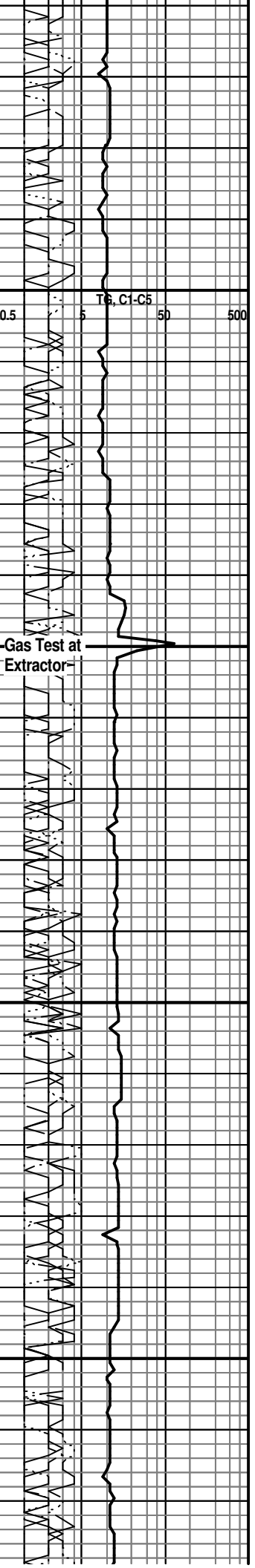
SH; dk gy, platy, smooth

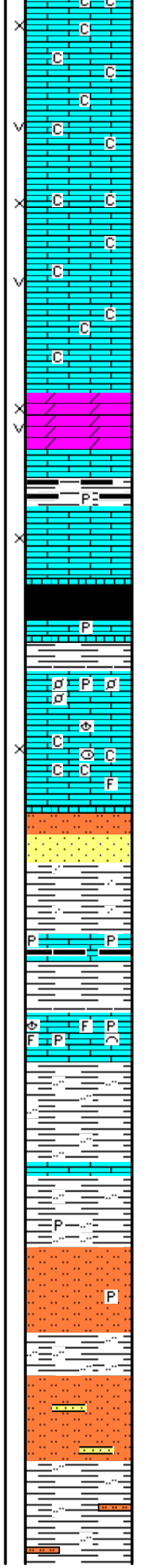
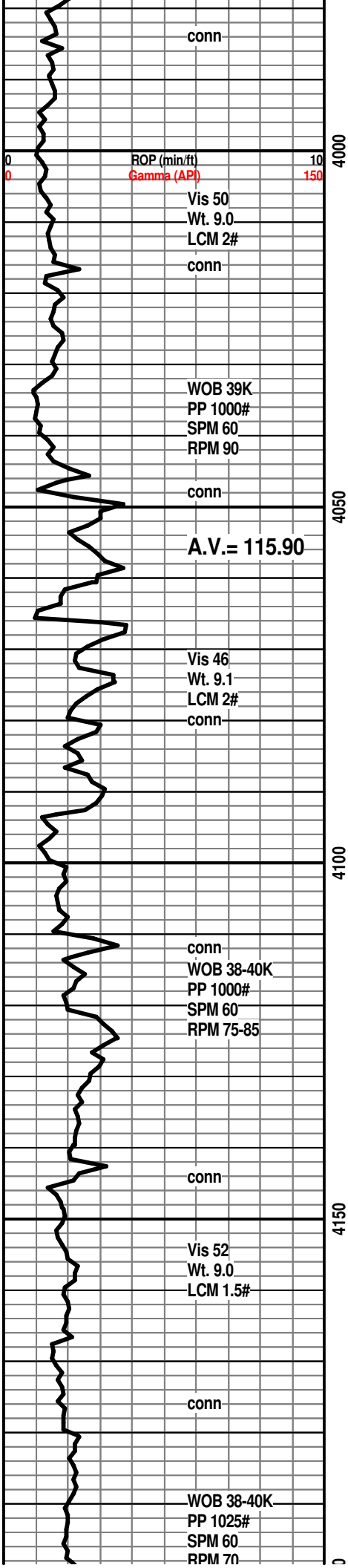
LM; tan to lt brn, hd, micritic, cherty ip, tite

LM; tan to off wh, buff, fxln, occ sucrosic text, fair to gd interxln w/occ p-p por, rarely foss, minor chalky mtz, dull yel to no fluor, no gas kick, ns.

LM; tan to lt brn, buff, med to occ cse xln, gran, scat spar calc xtals, rare tan/gy cht, gd interxln w/vug por in some, scat chalk and chalky mtz, dull yel fluor, ns.

LM; off wh, lt gy, f to med xln, interbdd dense micrite, blocky ip. trc av/brn occ foss cht. scat soft chalky lmst.





dull yel min fluor, ns.

LM; tan to lt brn, buff, most med xln, some sucrosic text, gd interxln and vug por, scat opaque spar calc xtals, chalky mtx ip, ns.

DOL; lt brn, sucrosic, gd interxln w/occ small vug por, lt yel min fluor, no stn/odor, barren, ns.

SH; dk gy, blk, platy, occ pyr

LM; tan to lt brn, foss, fxln w/poor to fair interxln/interpart por, lt yel fluor, no stn or odor, ns.

HEEBNER SHALE 4061(-1842)
SH; blk, carb ip, soft to blocky, trc gas
LM; med brn, dense, hd, pyr ip.

TORONTO 4073(-1854)
LM; lt gy to lt gy brn, hd, dense, foss - finely pelletal ip, occ pyr, tite
LM; off wh, wh, foss ip, much soft med xln chalky lmst, poor to fair interxln por, lt yel min fluor, no stn or odor, no gas kick, ns.

DOUGLAS SHALE 4093(-1874)
SS and SLTST; lt gy, firm, vf gr ss, clusters, with gy occ mica sltst, no fluor, ns.

SH; gy grn, silty to sandy

LM; dk brn, foss w/blk hd pyr lmy sh.

LM; med gy brn, v. foss, hd, well cem, occ pyr

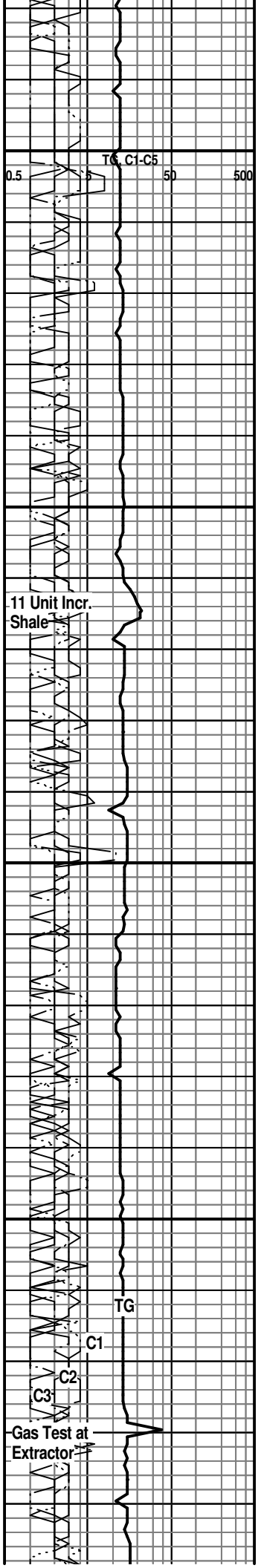
SH; lt to med gy, silty ip, firm

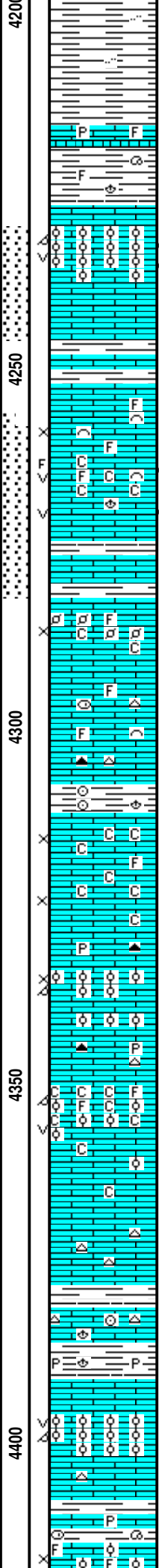
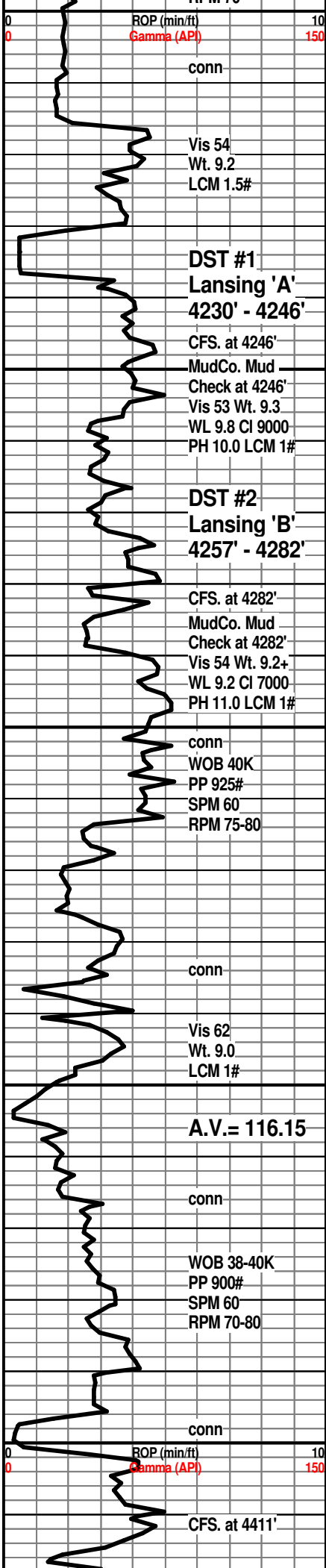
SH; med gy, smooth to sticky, some v. soft, occ pyr, silty

SLTST & SH; lt gy, med gy grn, platy, occ mica, firm, rarely pyr

SLTST; lt gy, mica, interbdd vf gr qtz ss, firm

SH; lt to med gy, platy, occ silty





SH; med to occ dk gy, firm, smooth, flakey to v. sticky

BROWN LMST. 4216(-1997)
LM; med brn, v. hd, foss ip, occ pyr

SH; med gy grn, foss, firm

LANSING 'A' 4227(-2008)
LM; lt to med brn, oolitic, med to occ lrg moldic por, scat vugs also, med to occ brite yel fluor, spotted/even lt brn oil stn, SFO, fair to gd odor, few gas bubbles, fair cut, some barren por.

DST #1: Lansing 'A' 4230' - 4246'

LANSING 'B' 4252(-2033)
LM; off wh, tan, f to med xln, scat foss mat, fair interxln por, rare spots of dead residual oil, dull yel fluor, no odor, no gas kick

LM; off wh, lt gy, flxn to foss, scat vug por, frags w/lt brn edge stn, SSFO, fair/gd odor, much brite yel fluor, spotted to occ even lt brn stn, trc gas bubbles

DST #2: Lansing 'B' 4257' - 4282'

LM; off wh, buff, f to med xln, rarely foss - finely pelletal, soft partly chalky mtx, fair interpart por, lt yel fluor, no stn or odor, ns.

LM; lt to med brn, most hd, blocky, scat well cem foss mat, no vis por, scat tan to dk gy occ foss cht, no fluor, ns.

SH; med gy, gy grn, platy, foss ip

LM; off wh, wh, tan, f to med xln, fair interxln w/scat vug por, rarely foss, soft chalky mtx ip, rare lt yel fluor, no stn or odor, no gas kick, ns.

LM; lt brn, foss - oolitic ip, brittle, scat small to med size ooids, most compact, fair interpart por, dull yel fluor, ns.

LM; lt to med brn, foss ip, much dense hd micrite, pyr ip, no fluor, no stn or odor, ns.

LM; off wh, wh, tan, foss - oolitic, fair oomoldic and occ vug por, much v. soft chalk and chalky mtx, trc blk tar/gilsonite - dead residual oil, v. dull yel fluor, no odor, no gas kick

LM; tan to lt brn, buff, flxn w/scat gy to off wh cht, most micritic, no vis por, ns.

LM; lt to med brn, hd, foss ip, scat tan cht, tite

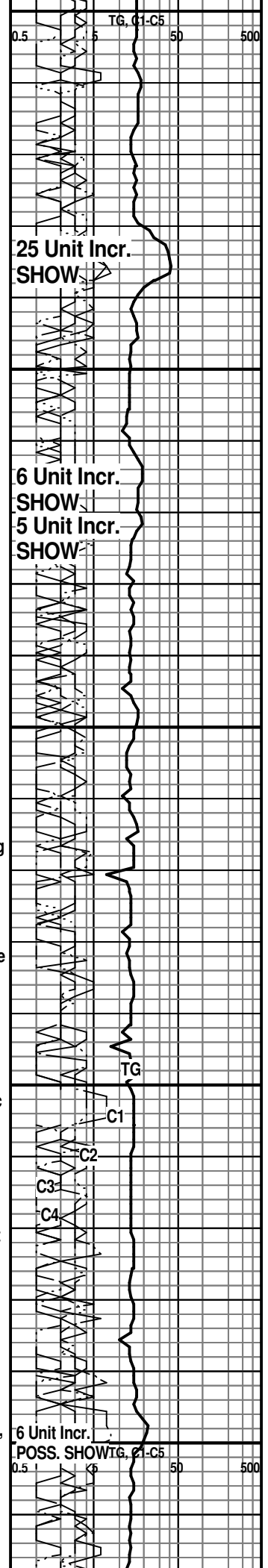
SH; dk gy, firm, pyr ip.

LANSING/KC. 'H' 4391(-2172)
LM; tan to lt brn, oolitic, med to occ lrg moldic por, brittle ip, rare vug por, dull to occ lt yel fluor, no vis stn, no odor, quest. gas bubbles in a few pcs., weak to no show, most barren

LM; med to dk brn, hd, pyr

SH; med gy grn, platy, foss ip.

LM; tan to buff, foss - partly oolitic, fair to gd interpart



Vis 67
Wt. 9.1
LCM 1#
conn

conn
WOB 38-40K
PP 950#
SPM 60
RPM 78

conn

Vis 50
Wt. 9.0
LCM 1#

conn

WOB 40K
PP 1000#
SPM 60
RPM 75

conn

Vis 55
Wt. 9.2
LCM 2#

conn

ROP (min/ft)
Gamma (API)

MudCo. Mud
Check at 4615'
Vis 53 Wt. 9.3
WL 9.2 Cl 8500
PH 10.5 LCM 1#

conn

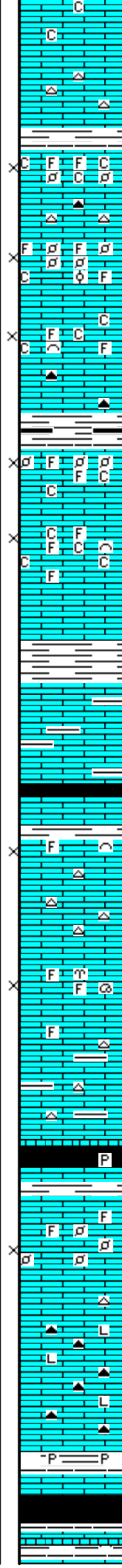
WOB 39K

4450

4500

4550

4600



por, minor soft chalky mtx, dull yel fluor, no stn, no gas kick, ns.

LM; tan to lt brn, blocky, hd, no vis por, scat tan to off wh cht, tite

KC. 'I' 4439(-2220)

LM; off wh, buff, tan, foss to finely pelletal, scat soft chalky mtx, poor interpart por, no fluor, no stn or gas kick, occ amber cht, ns.

LM; wh, off wh, foss - pelletal w/scat oolitic lmst, fair interpart por, some rextalized, minor chalky mtx, dull yel min fluor only, ns.

LM; off wh, tan, wh, foss to fxln, chalky soft mtx, fair interpart por, barren, no fluor, no stn or odor, ns.

SH; dk gy, trc blk, platy

KC. 'J' DENNIS 4481(-2262)

LM; off wh, tan, foss - finely pelletal ip, loosely cem - fair interpart por, occ chalky mtx, lt yel min fluor only, no stn or odor, ns.

LM; tan to buff, off wh, fxln w/scat foss hash, poor interpart por, minor chalky mtx, ns.

SH; med to dk gy, gy brn, lmy ip, hd

LM; gy brn, lt brn, argil, interbdd argil lmst, no vis por, tite

STARK SHALE 4528(-2309)

SH; blk, carb ip, platy, blocky

SWOPE 4536(-2317)

LM; tan to lt brn, foss ip, scat gy cht, trc poor to fair interpart por, most tite, no fluor, ns.

LM; tan to off wh, buff, fxln w/scat foss mat, poor interpart por, cherty ip, no fluor, no stn or gas kick, ns.

LM; lt to med brn, occ gy brn, some argil lmst, cherty ip, most dense, no fluor, ns.

SH; blk, platy, carb ip, occ pyr

HERTHA 4586(-2367)

LM; lt brn, foss ip, most well cem, scat finely pelletal lmst, no vis por, lt yel min fluor only, no stn or odor, ns.

LM; med to occ dk brn, dense, litho, cherty w/dk brn to occ dk gy cht, most micritic, tite

BASE KANSAS CITY 4622(-2403)

SH; varic; maroon, grn, gy, pyr ip.

SH; dk gy, blk, platy, soft

PLEASANTON 4633(-2414)

10 Unit Incr. Shale

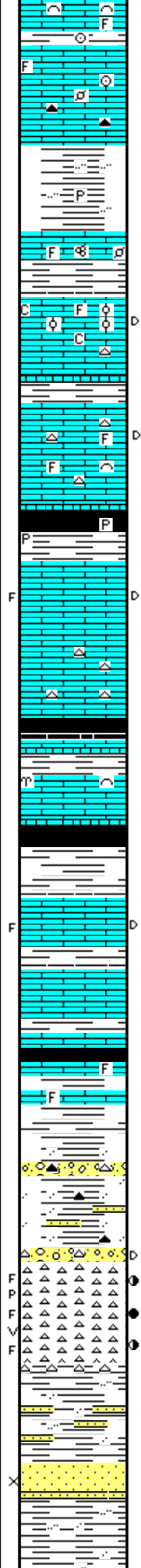
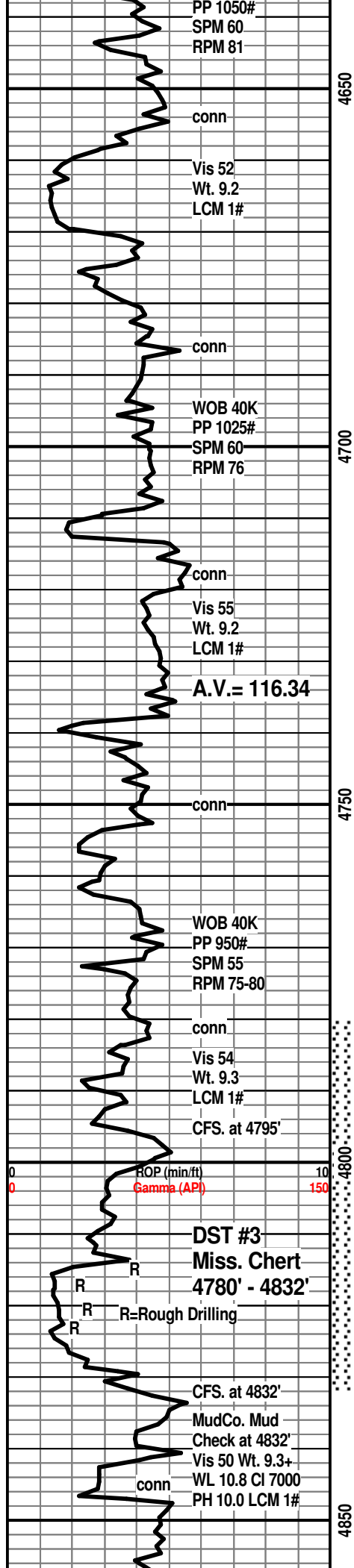
14 Unit Incr. Shale

TG. Cl. 55

Gas Test

Gas line pinched - replace line

Clean out extractor



LM; lt brn, scat cse foss frags and hash, most well cem, no fluor, no stn or odor, ns.

LM; lt to med brn, scat foss mat, most dense, blocky, micritic, scat amber cht, no fluor, no stn or odor, ns.

SH; varic, brn, maroon, grn, platy to flakey, occ silty, rare dissem pyr

MARMATON 4670(-2451)
LM; lt brn, pale grn tint, foss ip, hd, tite

LM; wh, off wh, fxln, scat well cem foss mat/ooids, partly chalky mtx, few pcs. w/blk tarry dead oil, no live show, lt yel fluor, looks tite

LM; tan to off wh, buff, foss ip, most well cem, trc blk tar/dead oil, poor/no vis por, occ tan/lt brn cht, dull yel min fluor only, no odor, looks tite

SH; dk gy, blk, platy, occ pyr

PAWNEE 4716(-2497)
LM; tan to lt brn, buff, most dense, micritic, few pcs w/blk tar-gils on closed fracs, hd, rare dull yel fluor, no odor, no gas kick

LM; tan to lt brn, most dense, blocky, micritic, scat tan to off wh cht, no vis por, lt yel fluor, no stn or odor, ns.

SH; blk, carb ip, platy

LM; tan to lt brn, hd, most micritic, blocky, scat rare well cem foss, no fluor, no stn or odor, ns.

CHEROKEE SHALE 4753(-2534)
SH; dk gy, blk, some varic - grn, brn, silty ip.

LM; tan to lt brn, most dense, micritic, few pcs w/frac face w/blk tar/dead oil, trc med/brite yel fluor, no odor, no gas kick

LM; lt brn, most dense, micritic, hd, no vis por, no fluor, tite

SH; blk, platy, thinly bdd

LM; lt to med brn, dense, foss ip, most well cem, hd, lt yel fluor, no vis stn, no odor, interbdd varic shales, ns.

SH; varic, some org cht congl., hd

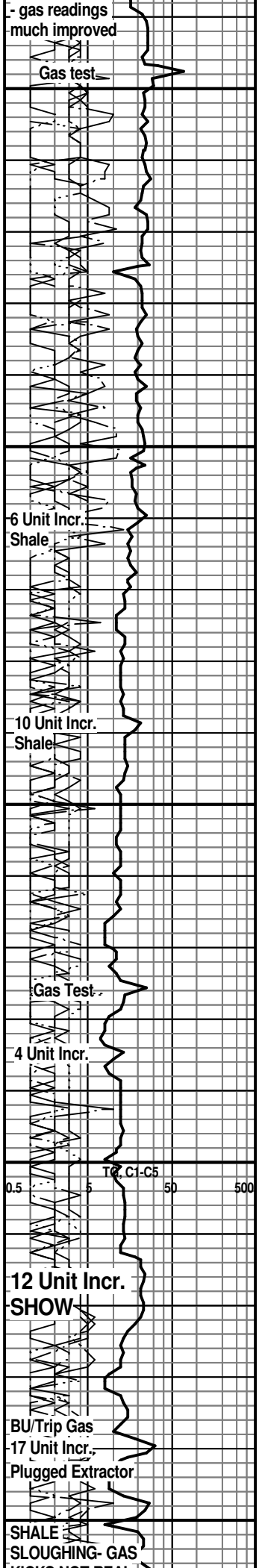
SH; varic, rust red, yel, grn, interbdd red/org fresh cht, sandy w/ f gr qtz ss, some blk dead tar/gils on chert

MISSISSIPPI CHERT 4814(-2595)
CHT; wh, off wh, fresh and tripolite, fair p-p and occ vul por, abnt fracs w/edge oil stn, spotted med brn stn, Trc. FO., few gas bubbles, faint odor, med to occ brite yel fluor, fair cut

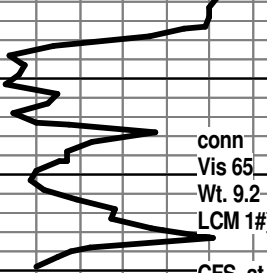
KINDERHOOK SHALE 4829(-2610)
DST #3: Miss. Chert 4780' - 4832'
SH; gy/grn, much sloughing varic sh, sandy w/ occ soft grn vf gr ss strngs

SS; clr, wh, f gr qtz, clusters, very little in samples, fri, no vis oil stn, well srt, no fluor, questionable gas bubbles, fair intergran por

SH; med gy, varic SHALE SLOUGHING BADLY - much



CFS. at 4860'

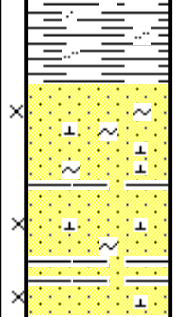


conn
Vis 65
Wt. 9.2
LCM 1#

CFS. at 4890'
RTD.

4900

50



varic sandy shale

KINDERHOOK SAND 4866(-2647)

SS; clr, wh, most f gr qtz, fri clusters, calc, clean, well srt, most w/gd intergran por, occ glau, no stn or odor, barren, ns.

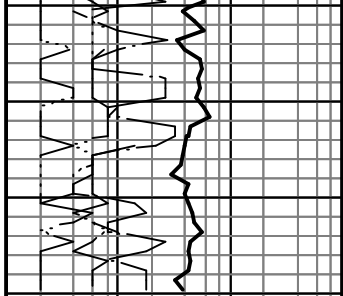
SS; wh, clr, pale grn, f gr qtz, interbdd shaly ss, some siliceous - v. hd, most fri clusters, glau ip, no stn or odor, ns.

RTD. 4890' at 2:00 AM. 4/10/12

LTD.

Halliburton DIL, NEU/DEN w/PE,
Microlog, MIRL

KICKS NOT REAL





4-19-12
PAID
 403042
 FNB SF# 839A

PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 04/05/2012
INVOICE NUMBER 1718 - 90873255		

Pratt (620) 672-1201
 B STRATA EXPLORATION
 I PO Box: 401
 L FAIRFIELD
 L IL US 62837
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Richardson 1-3
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40448653	27463		Net - 30 days	05/05/2012

For Service Dates: 04/01/2012 to 04/01/2012

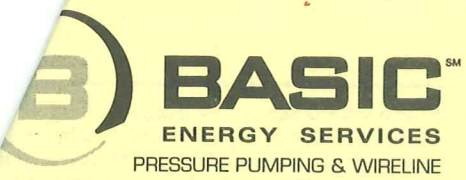
0040448653

171805617A Cement-New Well Casing/Pi 04/01/2012
 Cement 8 5/8" Surface

LEASE	RICHARDSON 1-3	LEV	5	P/P	4/9
DES	CEMENT SURFACE PIPE	A/P			4/16
DRL	COM	LOE	G/L		D/D
X			71730/9239	06	

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A-Serv Lite	175.00	EA	10.40	1,820.00 T
Common	175.00	EA	12.80	2,240.00 T
Cello-flake (POLEFLAKE-C)	88.00	EA	2.96	260.48 T
Calcium Chloride	825.00	EA	0.84	693.00 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	180.00	180.00
"8 5/8"" Guide Shoe (Red)"	1.00	EA	440.00	440.00
Flapper Type Insert Foat Valves 8 5/8"	1.00	EA	224.00	224.00
"8 5/8"" Basket (Blue)"	1.00	EA	252.00	252.00
"Unit Mileage Chg (PU, cars one way)"	30.00	MI	3.40	102.00
Heavy Equipment Mileage	60.00	MI	5.60	336.00
"Proppant & Bulk Del. Chgs., per ton mil	495.00	EA	1.28	633.60
Depth Charge; 501'-1000'	1.00	EA	960.00	960.00
Blending & Mixing Service Charge	350.00	BAG	1.12	392.00
Plug Container Util. Chg.	1.00	EA	200.00	200.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	140.00	140.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,873.08
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	365.98
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,239.06
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



10244 NE Hwy. 61
 P.O. Box 8613
 Pratt, Kansas 67124
 Phone 620-672-1201

0047448653
FIELD SERVICE TICKET
 1718 05617 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-1-12		DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER Strata Exploration Inc.		LEASE [REDACTED]		WELL NO. 1-3	
ADDRESS		COUNTY Kiowa		STATE Ks	
CITY STATE		SERVICE CREW Allen, Eric, Mike M, McGraw			
AUTHORIZED BY		JOB TYPE: 8 5/8" Surface			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28493 P.U.	2				
27468 P+	2				
19826-19860	2				
				TRUCK CALLED	4-1-12
				ARRIVED AT JOB	4-1-12
				START OPERATION	4-1-12
				FINISH OPERATION	4-1-12
				RELEASED	4-1-12
				MILES FROM STATION TO WELL	30-miles

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
L106	A-Serv Lite	SK	175		\$ 2275.00
L100	Common	SK	175		\$ 2800.00
CC102	CC11 Flake	lb	88		\$ 325.60
CC109	Calcium Chloride	lb	825		\$ 866.25
CF106	Top Rubber cement plug	EA	1		\$ 225.00
CF203	8 5/8" Guide shoe Red	EA	1		\$ 550.00
CF1453	Flapper Type Insert Float valve 8 5/8"	EA	1		\$ 280.00
CF1903	8 5/8" Basket Blue	EA	1		\$ 315.00
F100	unit mileage chg. Pickup	mi	30		\$ 127.50
F101	Heavy Equip. mileage	mi	60		\$ 420.00
F113	Bulk Del. Chg.	Tm	495		\$ 792.00
CF201	Depth Chg. 501-1000	4-hr	1		\$ 1200.00
CF240	Blending + mixing service chg.	SK	350		\$ 490.00
CF504	Plug container utilization chg. Job	Job	1		\$ 250.00
5003	Service Supervisor first 8 hrs on loc	EA	1		\$ 175.00

CHEMICAL / ACID DATA:			

SUB TOTAL **\$ 8,873.08**
DLS

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	

TOTAL

SERVICE REPRESENTATIVE Alan L. Weed	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



Energy services, L.P.

TREATMENT REPORT

Customer Strata Exploration Inc.		Lease No.		Date	
Well # Richardson #1-3		Well #		4-1-12	
Field Order # 05617A	Station Pratt KS	Casing 8-1/8"	Depth 622'	County Kiowa	State KS
Type Job 8-5/8" Surface	Formation CWW	TD 622'	Legal Description T-22-18		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8-5/8"		175-5K		A-Serv Lite			0.127	
Depth 622'	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 39	Volume	From	To	Pad	Min		10 Min.	
Max Press 500#	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PL	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 605'	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Billy TP		Station Manager Scotty		Treater Allen	
Service Units	28443	27463	19826	19860	
Driver Names	Allen	Wright	Mattal	Mike McGraw	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
4:00 AM					ON Loc. Discuss Safety, setup Plan to b.
4:45					Rig cir. @ 622'
5:30					Start out of Hole w/ Bit
6:00					Rig up To Run 8-5/8" Csg. 23'
					Start casing w/ guide shoe
					+ insert filling shoe It is 14'
7:30					Tag @ 622' Pickup 1' cir w/ Rig
7:45	200#		77	5	Start mix 175SKs A-Serv Lite
				5	Start mit 175SKs common
			37		2% CC 1/4" CF @ 15.6#
8:20				5	Finish mix - Release Top Rubber Plug
8:30	500#		39	3	Start Disp.
	0#				Plug. Down
					Release PST TO TRUCK - 0#
9:30					wash up equip + Rackup.
					Job complete.
					THANKS Allen Mike Eric McGraw
					CMT cir TO P.H



PAY
4-30-12
FNB SP# 8414

PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 04/12/2012
INVOICE NUMBER 1717 - 90877530		

Liberal (620) 624-2277
 B STRATA EXPLORATION
 I PO Box: 401
 L FAIRFIELD
 L IL US 62837
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME Richardson #1-3
O LOCATION
B COUNTY Kiowa
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40451222	38119		Net - 30 days	05/12/2012	
For Service Dates: 04/11/2012 to 04/11/2012					
0040451222					
171702703A Cement-New Well Casing/Pi 04/11/2012 5 1/2" Longstring					
50/50 POZ with Class H Cmt Gypsum KCL C-15 Celloflake Gilsonite "Latch Down Plug & Baffle, 4 1/2" (Blue) "Auto Fill Float Shoe 5 1/2" (Blue)" "Turbolizer, 5 1/2" (Blue)" "5 1/2" Basket (Blue)" Mud Flush Claymax Heavy Equipment Mileage Blending & Mixing Service Charge "Proppant & Bulk Del. Chgs., per ton mil Depth Charge; 4001'-5000' Plug Container Util. Chg. "Unit Mileage Chg (PU, cars one way)" "Service Supervisor, first 8 hrs on loc.		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
		250.00	EA	8.53	2,131.92 T
		1,050.00	EA	0.58	610.51 T
		566.00	EA	1.16	658.18 T
		126.00	EA	9.69	1,221.01 T
		63.00	EA	2.87	180.71 T
		1,500.00	EA	0.52	779.12 T
		1.00	EA	310.10	310.10
		1.00	EA	279.09	279.09
		12.00	EA	85.28	1,023.32
		1.00	EA	224.82	224.82
		1,000.00	EA	0.67	666.71 T
		5.00	EA	27.13	135.67 T
		60.00	MI	5.43	325.60
		250.00	BAG	1.09	271.34
		315.00	EA	1.24	390.72
		1.00	EA	1,953.62	1,953.62
		1.00	EA	193.81	193.81
		30.00	MI	3.29	98.84
		1.00	EA	135.67	135.67

LEASE	4/16 RICHARDSON 1-3	LEV	5	P/P	4/19
DES	CEMENT LONGSTRING	A/P			4/25
DRL	COM	LOE	G/L		D/D
	X		73551/12056		78

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,590.76
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	466.02
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	12,056.78
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET

1717 02703 A

DATE _____ TICKET NO. 2703A

DATE OF JOB <u>4-11-12</u>	DISTRICT <u>1717</u>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER <u>STRATA Exploration</u>		LEASE <u>Richardson</u>		WELL NO. <u>1-3</u>			
ADDRESS		COUNTY <u>KTOWA</u>		STATE <u>Ks</u>			
CITY		STATE		SERVICE CREW <u>LIBERAL</u>			
AUTHORIZED BY <u>Bennett JRB</u>		JOB TYPE: <u>242 5 1/2 Sampling</u>					

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>35878</u>	<u>12</u>						<u>4-11-12</u>			<u>6:30</u>
<u>33119</u>										<u>11:00</u>
<u>19842</u>										<u>12:30</u>
<u>19555</u>										<u>1:45</u>
<u>11234</u>										<u>2:00</u>
<u>19507</u>	<u>7</u>									<u>122</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL 124	30/50 Poz	SK	250		2750.00
CC 113	EYE SPM	LB	1550		787.50
C 700	KCL	LB	566		849.00
CC 103	C-15	LB	126		1575.00
CC 102	CELLOFLAKE	LB	63		233.10
CL 201	G.LSON, TC	LB	1500		1005.00
CF 607	Latch Down Pkg; ROFFIE	EA	1		400.00
CF 1251	Auto Fill Floor SHOE	EA	1		360.00
CF 4452	601 Turbolizer	EA	12		1320.00
CF 4452	1501 CMT BASKET	EA	1		290.00
CC 151	M20 Flush	gal	1000		860.00
C 704	CLAYMAX	gal	5		175.00
E 101	HEAVY Veh M. LEASE	mi	60		420.00
CE 240	Mixing & MTKing SERVICE CHARGE	SK	250		350.00
E 113	PROP. - Bulk Delivery CHARGE	TN	315		504.00
CE 205	DEPTH CHARGE	hrs	1		2520.00
CE 504	PLG ContaineR CHARGE	JOB	1		250.00
E 100	Unit Mileage CHARGE	mi	30		127.50
5003	SERVICE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>11,590.76</u>

SERVICE REPRESENTATIVE THOMAS Ortiz THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Cement Report

Customer STRATA Exploration	Lease No.	Date 4-11-12
Lease RICHARDSON	Well # 1-3	Service Receipt 2703A
Casing 5 1/2	Depth 4888	County KIOWA
Job Type 5 1/2 Longstring	Formation	State Ks
		Legal Description 3-28-18

Pipe Data		Perforating Data		Cement Data
Casing size 5 1/2 155'	Tubing Size	Shots/Ft		Lead 200% 50/50
Depth 4888	Depth	From	To	14#/gal 1.34ft³
Volume 116 Bbls	Volume	From	To	Tail in 5.43 gal/ft
Max Press 1500	Max Press	From	To	
Well Connection 5 1/2	Annulus Vol.	From	To	
Plug Depth 4872	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					Called out
11:00					on Loc Hold SAFETY MTG
					Rtg up tel's
					TO = 4890 Run 118 ft's 5 1/2 15.5" csg
					Float shoe & LO plug 8' at 16' 2 4872
					Cent 1-2-4-5-15-12-14-16-18-20-22-24
12:39	2200				CMT BSKT 21 PST TEST LINES
12:36			24	4	Pump 24 Bbls MUD Flush
			5	2	Pump 5 Bbls H ₂ O
			12	2	Plug R M Holes 50% 50/50 Pz
1:03	200			5	START MIX 200% 50/50 Pz DOWN Csg
					14#/gal 1.34ft ³ 5.43 gal/ft
			48		SHUT DOWN
			15		CLEAR Pump & LINES
1:22	100			6	START DESP
	750		96	3	LIFT CMT
11:43	1500		116	1	Plug down
					PSE up csg
11:45					RELEASE & HOLD

Service Units	38119	19822	39678	14355	14284	19907
Driver Names	Juan		TOON	EVER		KEVIN

Customer Representative: _____ Station Manager: **JERRY BENNETT** Cementer: **T. SEBA / J. Ortiz**
Taylor Printing, Inc.

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

June 04, 2012

John R Kinney
Strata Exploration, Inc.
PO BOX 401
FAIRFIELD, IL 62837-0401

Re: ACO1
API 15-097-21721-00-00
Richardson 1-3
NE/4 Sec.03-28S-18W
Kiowa 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,
John R Kinney