Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1080804

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 # 33036
Name: Strata Exploration, Inc.
Address 1: PO BOX 401
Address 2:
City: FAIRFIELD State: IL Zip: 62837 + 0401
Contact Person: John R Kinney
Phone: (618) 842-2610
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Jon Christensen
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 #:

02/20/2012	03/01/2012	03/15/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21717-00-00
Spot Description:
SW SW NE NW Sec. 4 Twp. 28 S. R. 18 ☐ East ☑ West
1130 Feet from ☑ North / ☐ South Line of Section
1625 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Kiowa
Lease Name: Sampson Well #: 2-4
Field Name:
Producing Formation: Miss
Elevation: Ground: 2205 Kelly Bushing: 2216
Total Vertical Depth: 4925 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 540 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: 9400 ppm Fluid volume: 900 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Roberts Recources
Lease Name: MARY License #: 32781
Quarter NW Sec. 16 Twp. 29 S. R. 18 ☐ East ☑ West
County: Kiowa Permit #: D28396

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: 05/14/2012
☑ **Confidential Release Date:** 05/15/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/14/2012

[redacted] 1080804

Operator Name: Strata Exploration, Inc. Lease Name: Sampson Well #: 2-4

Sec. 4 Twp. 28 S. R. 18 ☐ East ☑ West County: Kiowa

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Microlog
Haliburton induction
Comp density Neutron

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
see geo report		

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	540	see cement ticket	400	see cement ticket
Longstring	7.875	5.5	15.5	4916	see cement ticket	200	see cement ticket

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ 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 *(Amount and Kind of Material Used)*	Depth
6	Perf Miss chert		4820'-4834'

TUBING RECORD: Size: 2 3/8" Set At: 4834 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:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
4820-4834

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILL STEM TEST REPORT

Strata Exploration INC

PO Box 401
FairField IL
62837
ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47462 **DST#: 1**

Test Start: 2012.02.26 @ 02:51:57

GENERAL INFORMATION:

Formation: **Lansing " A "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:00:42
Time Test Ended: 12:43:27

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 47

Interval: 4223.00 ft (KB) To 4239.00 ft (KB) (TVD)
Total Depth: 4239.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

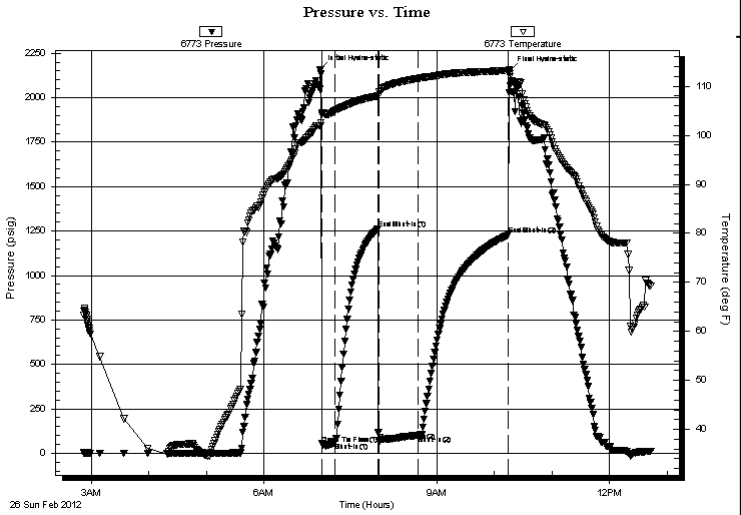
Reference Elevations: 2216.00 ft (KB)
2205.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 101.46 psig @ 4223.00 ft (KB)
Start Date: 2012.02.26 End Date: 2012.02.26
Start Time: 02:52:02 End Time: 12:43:27

Capacity: 8000.00 psig
Last Calib.: 2012.02.26
Time On Btm: 2012.02.26 @ 06:58:42
Time Off Btm: 2012.02.26 @ 10:16:27

TEST COMMENT: IF: Strong blow BOB 30 sec
ISI:No blow back
FF: Strong blow BOB 30 sec
FSI: Weak blow back 3 1/2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.15	102.03	Initial Hydro-static
2	53.10	104.60	Open To Flow (1)
16	60.78	105.10	Shut-In(1)
60	1261.02	108.03	End Shut-In(1)
62	67.48	108.87	Open To Flow (2)
102	101.46	111.61	Shut-In(2)
196	1228.02	113.24	End Shut-In(2)
198	2150.61	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3968' GIP	0.00
93.00	O,G,M,W 10%oil30%gas30%mud30%w	a0.46
125.00	M,W 5%mud 95%w ater	0.61

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47462 **DST#: 1**

Test Start: 2012.02.26 @ 02:51:57

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.38 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7300.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3968' GIP	0.000
93.00	O,G,M,W 10%oil30%gas30%mud30%w ater	0.457
125.00	M,W 5%mud 95%w ater	0.615

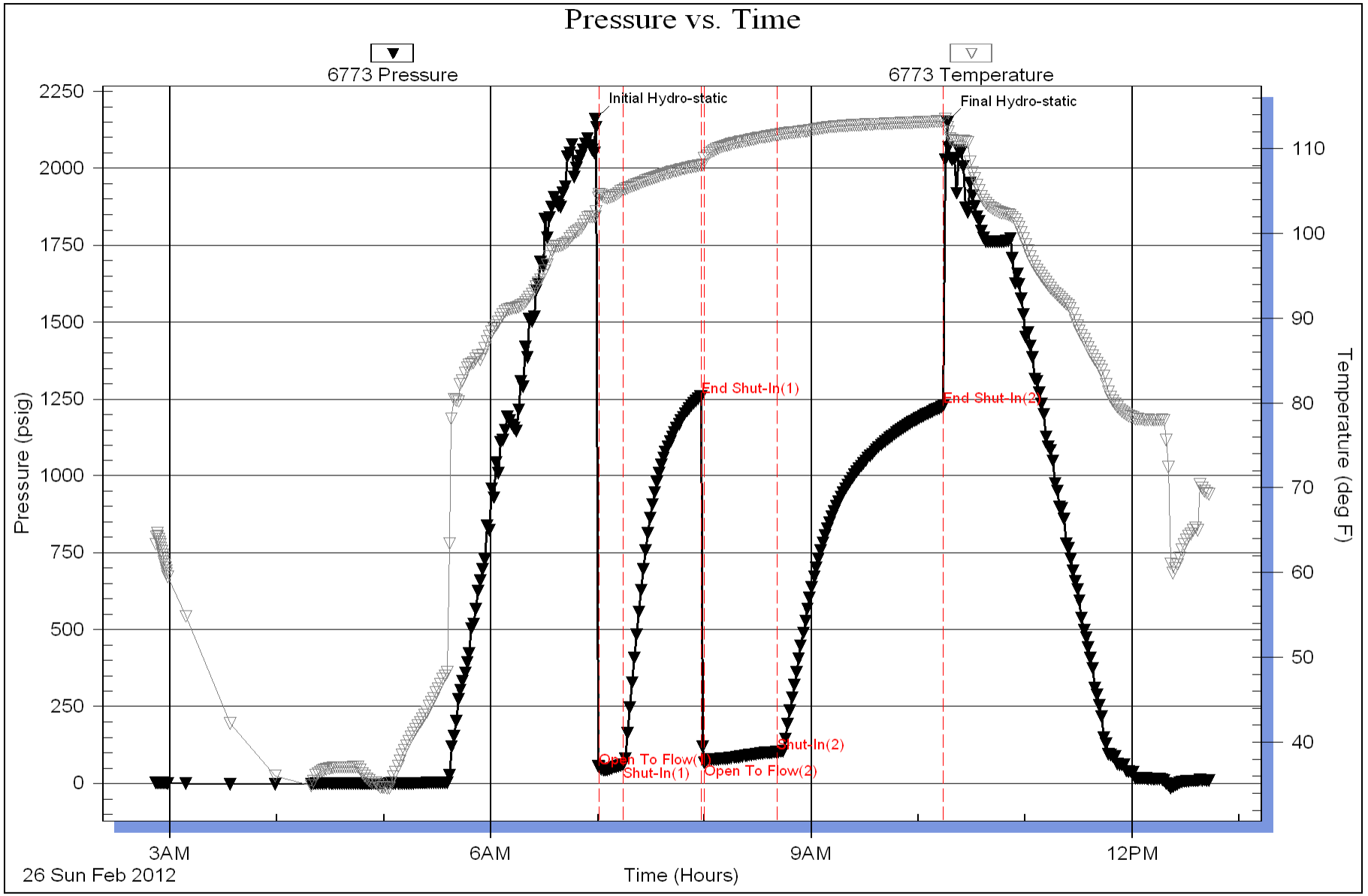
Total Length: 218.00 ft Total Volume: 1.072 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6773 **Outside** Strata Exploration INC Sampson #2-4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47462 Printed: 2012.02.28 @ 11:06:44

DRILL STEM TEST REPORT

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47463 **DST#: 2**

Test Start: 2012.02.28 @ 19:43:03

GENERAL INFORMATION:

Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:39:03
Time Test Ended: 04:11:03

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

Interval: 4773.00 ft (KB) To 4821.00 ft (KB) (TVD)
Total Depth: 4821.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

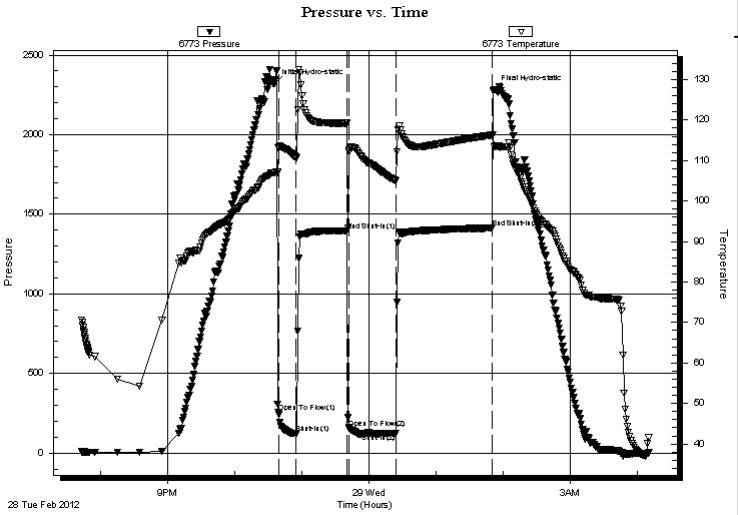
Reference Elevations: 2216.00 ft (KB)
2205.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 125.05 psig @ 4773.00 ft (KB)
Start Date: 2012.02.28 End Date: 2012.02.29
Start Time: 19:43:08 End Time: 04:11:02

Capacity: 8000.00 psig
Last Calib.: 2012.02.29
Time On Btm: 2012.02.28 @ 22:36:03
Time Off Btm: 2012.02.29 @ 01:52:18

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 3 min [see gas flow report]
ISI: No blow back
FF: Strong blow BOB 2 sec
FSI: Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2319.36	106.91	Initial Hydro-static
3	253.49	113.07	Open To Flow (1)
19	123.87	110.76	Shut-In(1)
65	1396.69	119.24	End Shut-In(1)
66	158.23	112.06	Open To Flow (2)
108	125.05	104.97	Shut-In(2)
195	1412.97	116.35	End Shut-In(2)
197	2282.25	113.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4756 GIP	0.00
80.00	G,M 5% gas 95% mud	0.39

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	4.00	528.98
Last Gas Rate	0.75	14.00	443.60
Max. Gas Rate	0.75	14.00	443.60

DRILL STEM TEST REPORT

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47463 **DST#: 2**

Test Start: 2012.02.28 @ 19:43:03

GENERAL INFORMATION:

Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:39:03
Time Test Ended: 04:11:03

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

Interval: 4773.00 ft (KB) To 4821.00 ft (KB) (TVD)
Total Depth: 4821.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

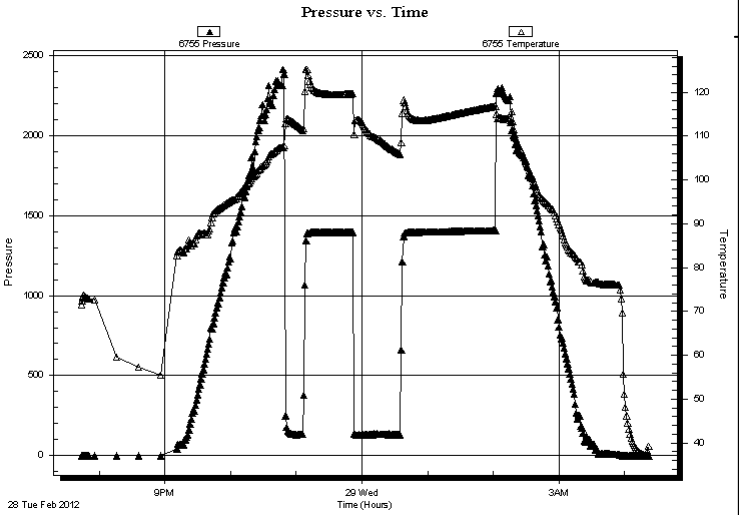
Reference Elevations: 2216.00 ft (KB)
2205.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6755

Press@RunDepth: psig @ ft (KB)
Start Date: 2012.02.28 End Date: 2012.02.29
Start Time: 19:43:50 End Time: 04:22:00

Capacity: 8000.00 psig
Last Calib.: 2012.02.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 3 min [see gas flow report]
ISI: No blow back
FF: Strong blow BOB 2 sec
FSI: Weak blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4756 GIP	0.00
80.00	G,M 5% gas 95% mud	0.39

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	4.00	528.98
Last Gas Rate	0.75	14.00	443.60
Max. Gas Rate	0.75	14.00	443.60

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47463 **DST#: 2**

Test Start: 2012.02.28 @ 19:43:03

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:	63.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9700.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

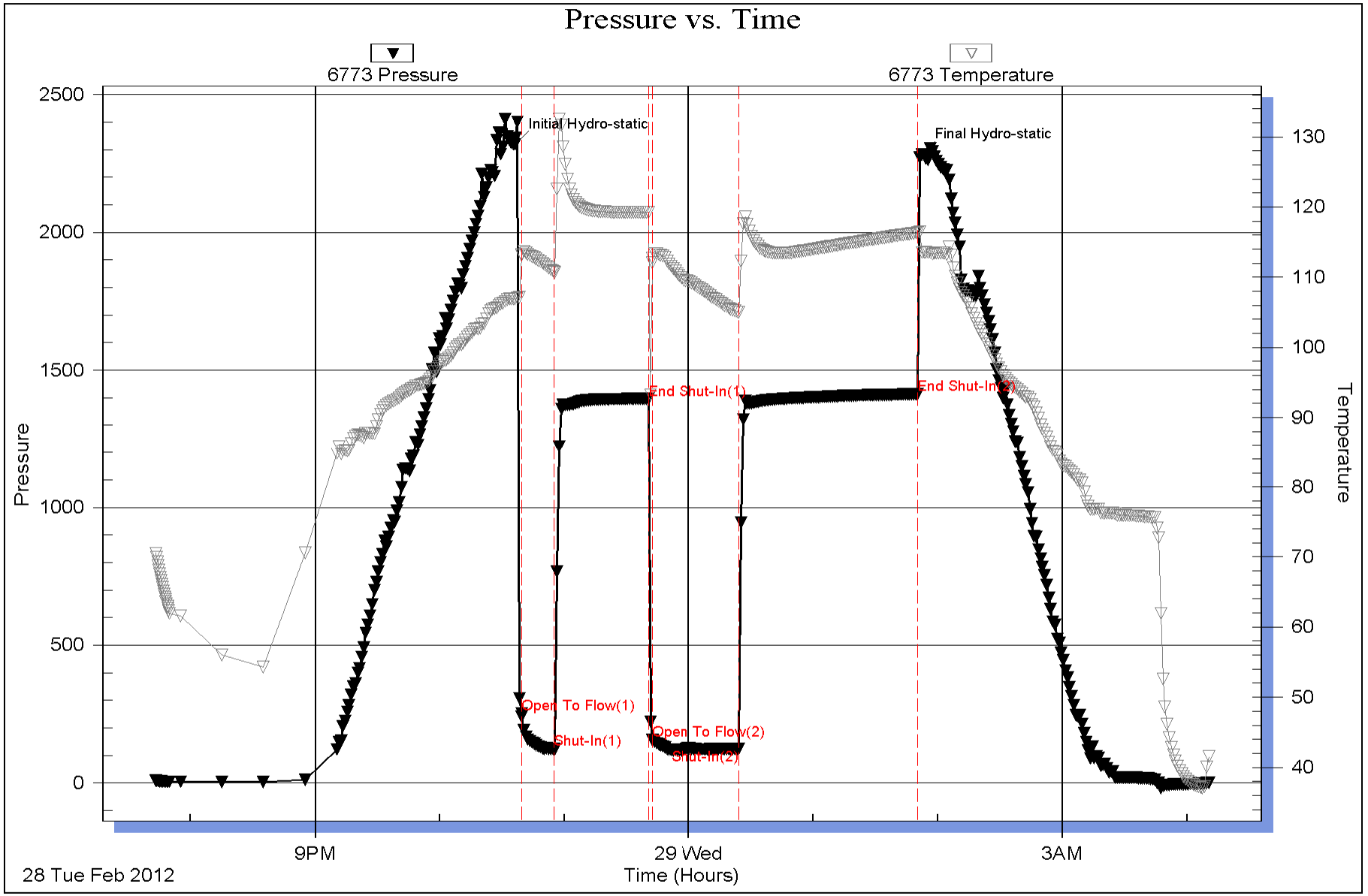
Recovery Table

Length ft	Description	Volume bbl
0.00	4756 GIP	0.000
80.00	G,M 5% gas 95% mud	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

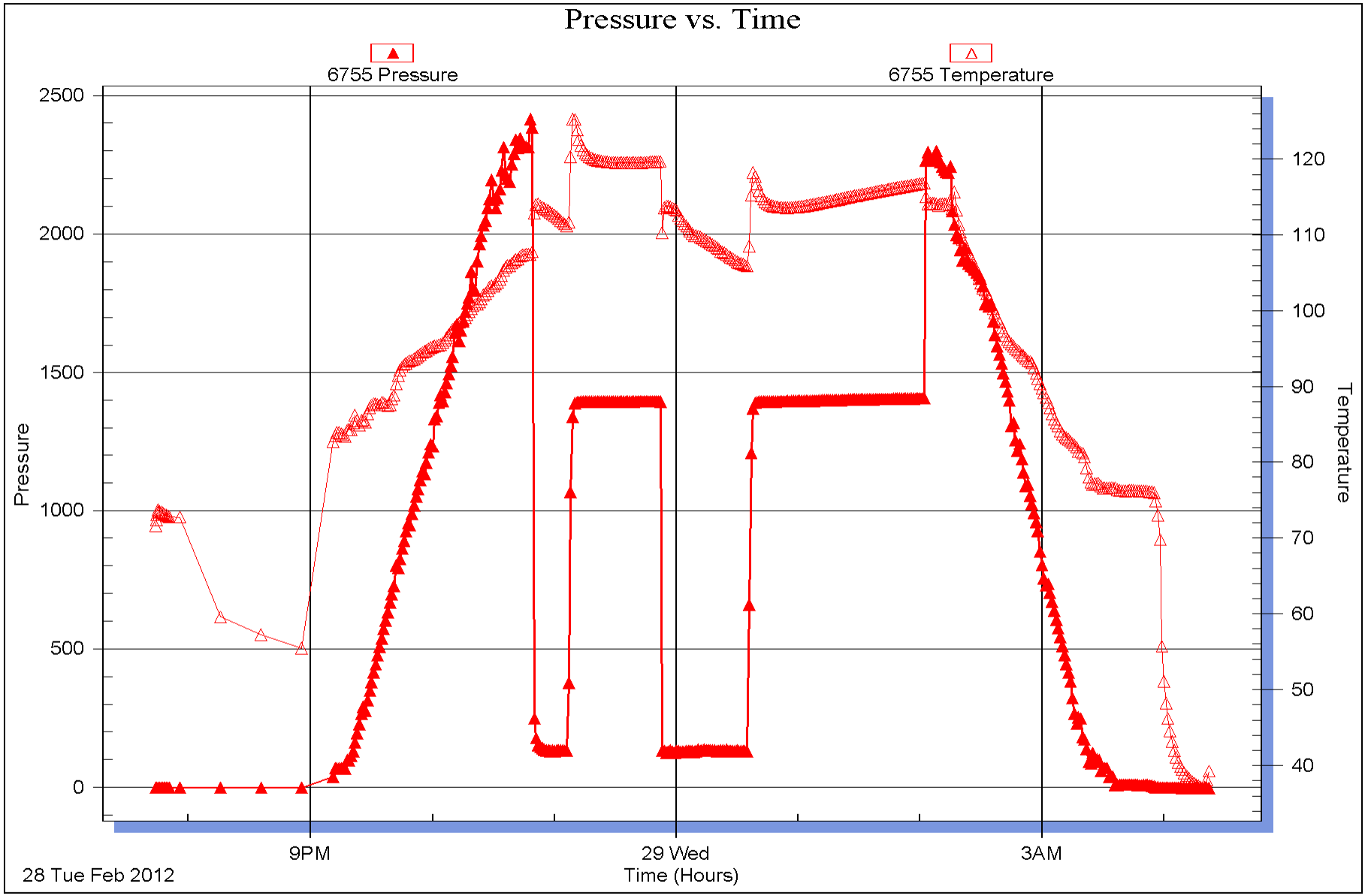
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6773 **Outside** Strata Exploration INC Sampson #2-4 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47463 Printed: 2012.03.01 @ 18:59:42

Serial #: 6755 | Strata Exploration INC | Sampson #2-4 | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 47463 | Printed: 2012.03.01 @ 18:59:43

DRILL STEM TEST REPORT

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47464 **DST#: 3**

Test Start: 2012.02.29 @ 12:28:57

GENERAL INFORMATION:

Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:22:12
Time Test Ended: 23:02:27

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

Interval: 4821.00 ft (KB) To 4836.00 ft (KB) (TVD)
Total Depth: 4836.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

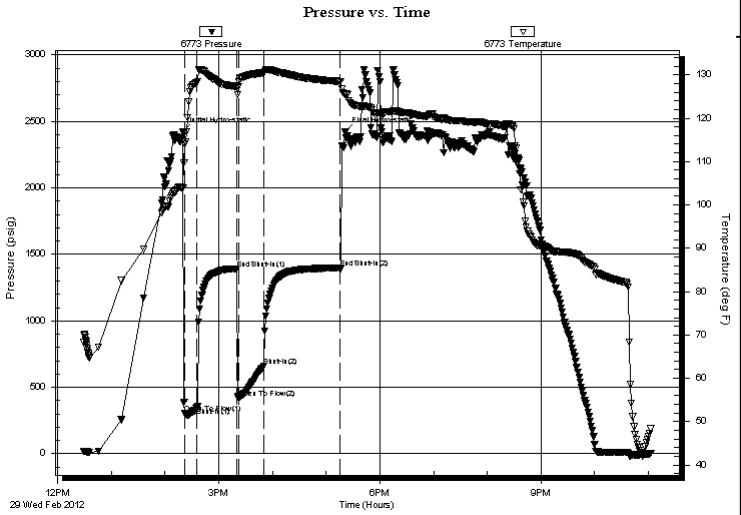
Reference Elevations: 2216.00 ft (KB)
2205.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 658.14 psig @ 4821.00 ft (KB)
Start Date: 2012.02.29 End Date: 2012.02.29
Start Time: 12:29:02 End Time: 23:02:27

Capacity: 8000.00 psig
Last Calib.: 2012.02.29
Time On Btm: 2012.02.29 @ 14:19:57
Time Off Btm: 2012.02.29 @ 17:21:12

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 5 min
ISI: Strong blow back BOB 25 min
FF: Strong blow BOB 2 sec Oil dripping out of blow line
FSI: Strong blow BOB 2 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2425.26	103.97	Initial Hydro-static
3	304.40	114.14	Open To Flow (1)
16	348.47	128.33	Shut-In(1)
61	1392.88	127.20	End Shut-In(1)
62	419.23	127.28	Open To Flow (2)
90	658.14	130.47	Shut-In(2)
176	1397.65	128.44	End Shut-In(2)
182	2420.00	125.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4816 GIP	0.00
60.00	O,M,W 1% oil 5% mud 94% w ater	0.30
60.00	O,W,M 2% oil 48%w ater 50% mud	0.30

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.00	124.12
Last Gas Rate	0.25	6.00	32.36
Max. Gas Rate	0.25	6.00	32.36

DRILL STEM TEST REPORT

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47464 **DST#: 3**

Test Start: 2012.02.29 @ 12:28:57

GENERAL INFORMATION:

Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:22:12
Time Test Ended: 23:02:27

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

Interval: 4821.00 ft (KB) To 4836.00 ft (KB) (TVD)
Total Depth: 4836.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

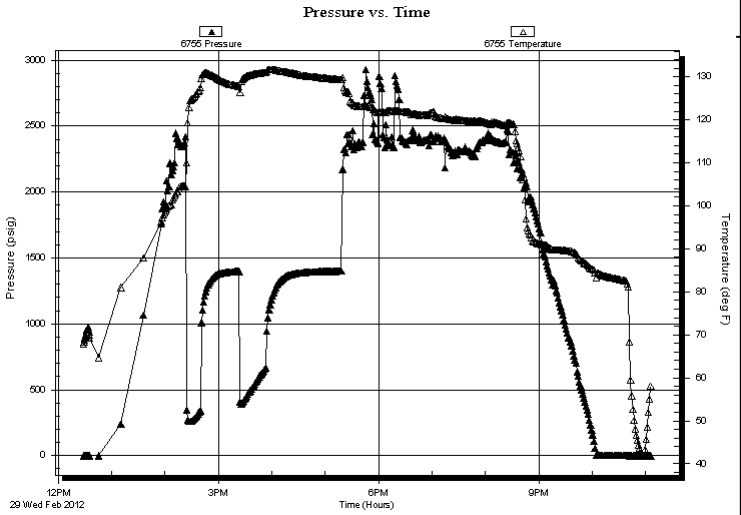
Reference Elevations: 2216.00 ft (KB)
2205.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6755

Press@RunDepth: psig @ ft (KB)
Start Date: 2012.02.29 End Date: 2012.02.29
Start Time: 12:28:35 End Time: 23:05:45

Capacity: 8000.00 psig
Last Calib.: 2012.02.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 5 min
ISI: Strong blow back BOB 25 min
FF: Strong blow BOB 2 sec Oil dripping out of blow line
FSI: Strong blow BOB 2 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4816 GIP	0.00
60.00	O,M,W 1% oil 5% mud 94% w ater	0.30
60.00	O,W,M 2% oil 48%w ater 50% mud	0.30

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.00	124.12
Last Gas Rate	0.25	6.00	32.36
Max. Gas Rate	0.25	6.00	32.36

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration INC

PO Box 401
FairField IL
62837

ATTN: John R Kinney/ Jon C

4-28s-18w

Sampson #2-4

Job Ticket: 47464 **DST#: 3**

Test Start: 2012.02.29 @ 12:28:57

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.37 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4816 GIP	0.000
60.00	O,M,W 1% oil 5% mud 94% w ater	0.295
60.00	O,W,M 2% oil 48%w ater 50% mud	0.295

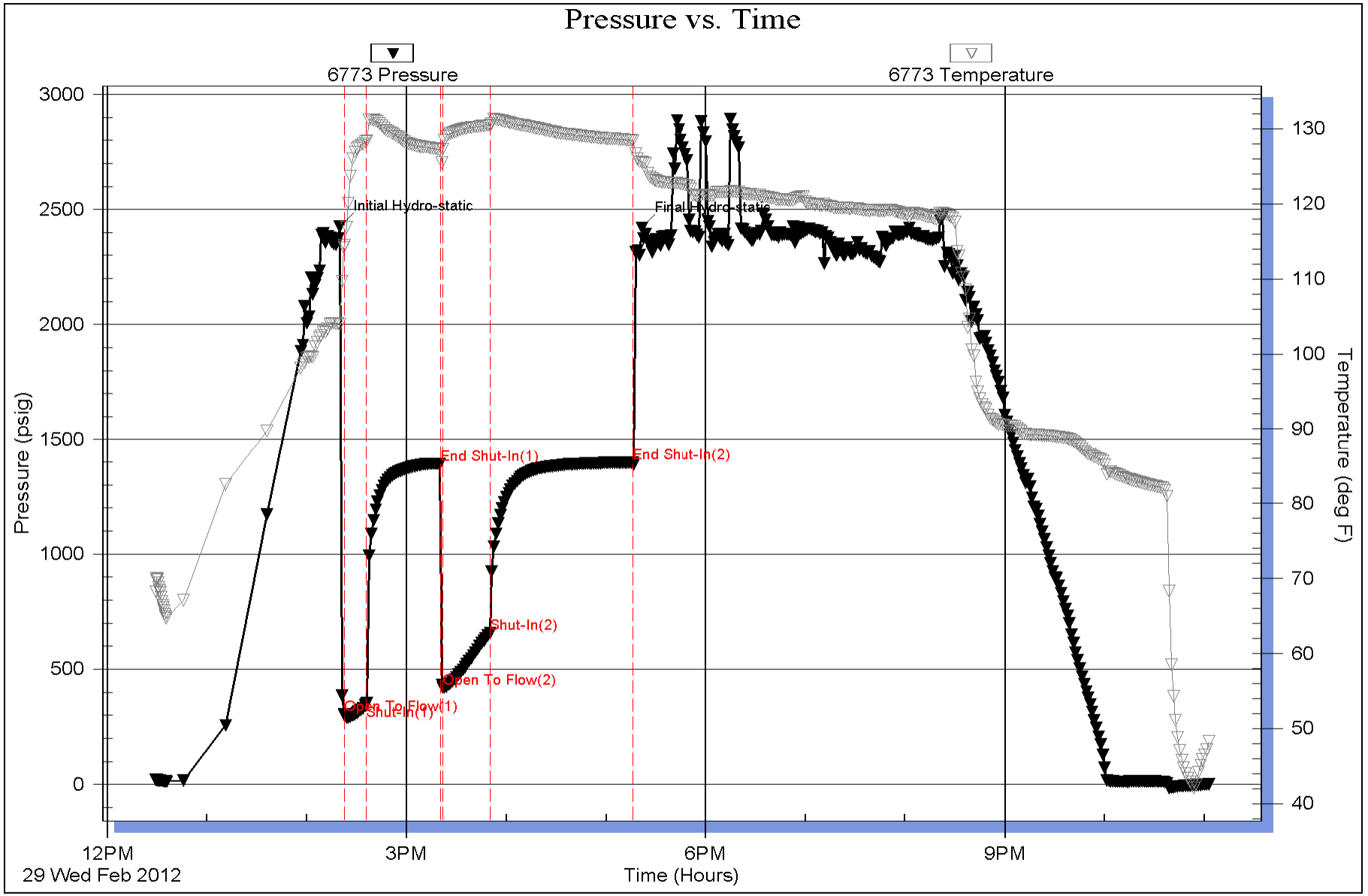
Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

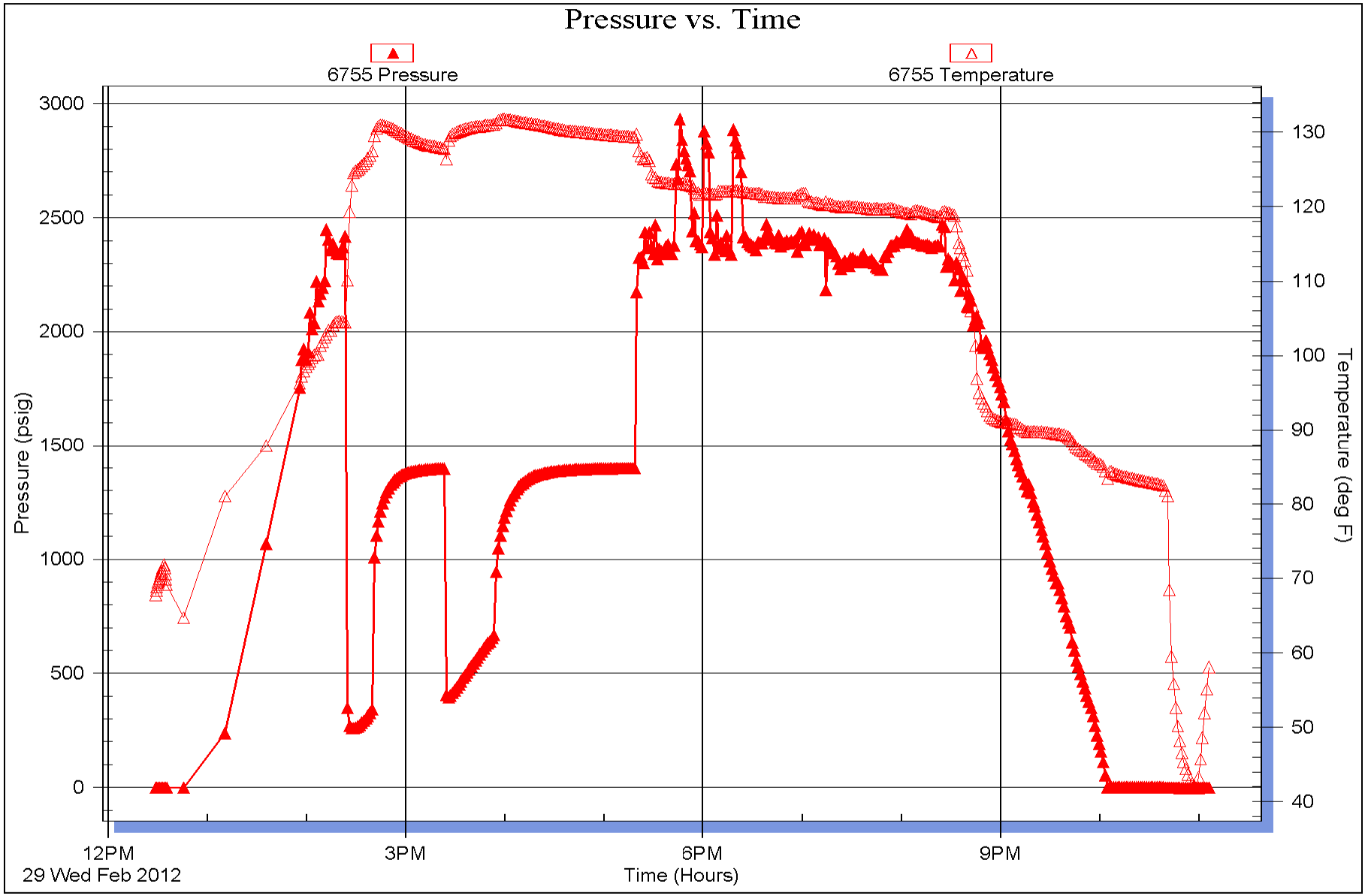
Recovery Comments: Picked up 10,000 pounds
G,O,M,W Amounts unknow n

Serial #: 6773 **Outside** Strata Exploration INC Sampson #2-4 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 47464 Printed: 2012.03.01 @ 18:59:02

Serial #: 6755 | Strata Exploration INC | Sampson #2-4 | DST Test Number: 3



Trilobite Testing, Inc | Ref. No: 47464 | Printed: 2012.03.01 @ 18:59:03

LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial

Well Name:	**Sampson #2-4**
Location:	**1130' FNL & 1625' FWL, Sec. 4-T28S-R18W, Kiowa Co., KS.**
Licence Number:	**15-097-21717-0000** **Region: Einsel Field**
Spud Date:	**2/20/2012** **Drilling Completed: 3/1/12**
Surface Coordinates:	**1130' FNL & 1625' FWL, Sec. 4-T28S-R18W**
Bottom Hole Coordinates:	**Same as above**
Ground Elevation (ft):	**2205'** **K.B. Elevation (ft): 2216'**
Logged Interval (ft):	**3900'** **To: 4925'** **Total Depth (ft): 4925'**
Formation:	**Kinderhook at Total Depth**
Type of Drilling Fluid:	**Freshwater/Gel to 3295'; Chemical Gel 3295' to 4925'.**

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') 4223' - 4239' Test Times 15"-45"-45"-90"
IFP Strong Blow BOB/30 Sec. , FFP Strong Blow BOB/30
Sec., no Gas to Surface, 3.5" Blowback on FSI; REC: 3968' Gas in Pipe, 93' GOCWM(30%G, 10%O, 30%W, 30%M), 125' MSW(5%M, 95%W) Cl 93,500, Mud 7300; IFP 53-60#, ISIP 1261#, FFP 67-101#, FSIP 1228#, IHP 2159#, FHP 2150#, BHT 112 Deg. F.

DST #2(Miss. Chert) 4773' - 4821' Test Times 15"-45"-45"-90" IFP Strong Blow BOB/30 Sec., Gas to Surface in 3 Min.,Gauged Max. 615.2 MCFG in 15" of IFP(7# on 1" choke); FFP Gas to Surface throughout, Gauged 443.6 MCFG Stabilized in 45" of FFP(14# on 0.75" choke), weak surface blowback on FSI; REC: 80' GCM(5%G, 95% M), no oil, no
Water; IFP 253-123#, ISIP 1396#, FFP 158-125#, FSIP 1412#, IHP 2319#, FHP 2282#, BHT 118 Deg. F.

DST #3(Miss. Chert) 4821' - 4836' Test Times 15"-45"-30"-90" IFP Strong Blow BOB/30 Sec., Gas to Surface in 5", Gauged 124.1 MCFG. decreased to 32.4 MCFG, Strong BOB Blowback in 25 Min. of ISIP; FFP Strong Blow BOB/2 Sec. Gauged GTS - TSTM - Oil dripping from blowline, Very Strong Blowback in 2 Min. of FSIP; REC: Picked up 10,000# of fluid - attempted to reverse out fluids, no success, put on kelly and reversed out oil, gas and water. Rec. 120' SOCMW(2%O, 48%W, 50%M) below circulating sub, Cl 90,000, Mud 8400; IFP 304-348#, ISIP 1392#, FFP 419-658#, FSIP 1397#, IHP 2425#, FHP 2420#, BHT 130 Deg. F.

Comments

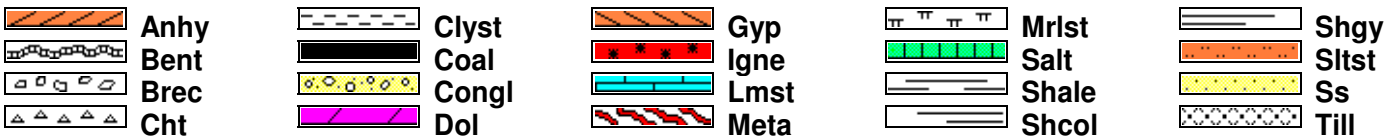
2/20/12 MIRU Sterling Drilling Co. Rig #2, Spud at 7:00 PM.; 2/21/12 Drilling at 510'; 2/22/12 TD. 545' - TIH to drill plug; 2/23/12 Drilling at 1965'; 2/24/12 Drilling at 2975'; 2/25/12 Drilling at 3825'; 2/26/12 TD. 4239' - DST #1; 2/27/12 Drilling at 4485'; 2/28/12 TD. 4773' - Bit Trip; 2/29/12 TD. 4821' - TIH after DST #2; 3/1/12 RTD. 4925'- reached TD. at 7:00 AM., CCH for Logs(Halliburton)

Set new 8 5/8"(23#) Surface Casing at 540' w/400 sx. Cement did Circulate(Basic Energy Services). PD. 3:45 AM. 2/21/12. Cement fell below GL. - Cemented through 1" tubing w/75 sx. to fill to base of cellar; finished 1" cmt. job at 7:00 PM. 2/21/12.

Surveys: 0.25 Deg. at 545'(Surface Casing); 1 Deg. at 4239'(DST #1); 0.75 Deg. at 4773'(Bit Trip); Deg. at 4925' RTD.

Pipe Strap at 4773'(Bit Trip): Strap 2.27' Short to the Board, no correction made to the Board.

ROCK TYPES



ACCESSORIES

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

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

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

OTHER SYMBOLS

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

SORTING
- Well
- Moderate
- Poor

ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW
- Even
- Spotted
- Ques
- Dead

INTERVAL
- Core
- Dst

EVENT
- Rft
- Sidewall

Curve Track 1
ROP (min/ft)
Gamma (API)

Depth | Porosity Type | Lithology | Oil Shows | Geological Descriptions

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

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

TG, C1-C5
0.5 5 50 500

38

conn

3900

Vis 50
Wt. 9.0
LCM 0#

A.V.= 116.25

conn

STRATA EXPLORATION, INC.

SAMPSON #2-4

GEOLOGICAL REPORT

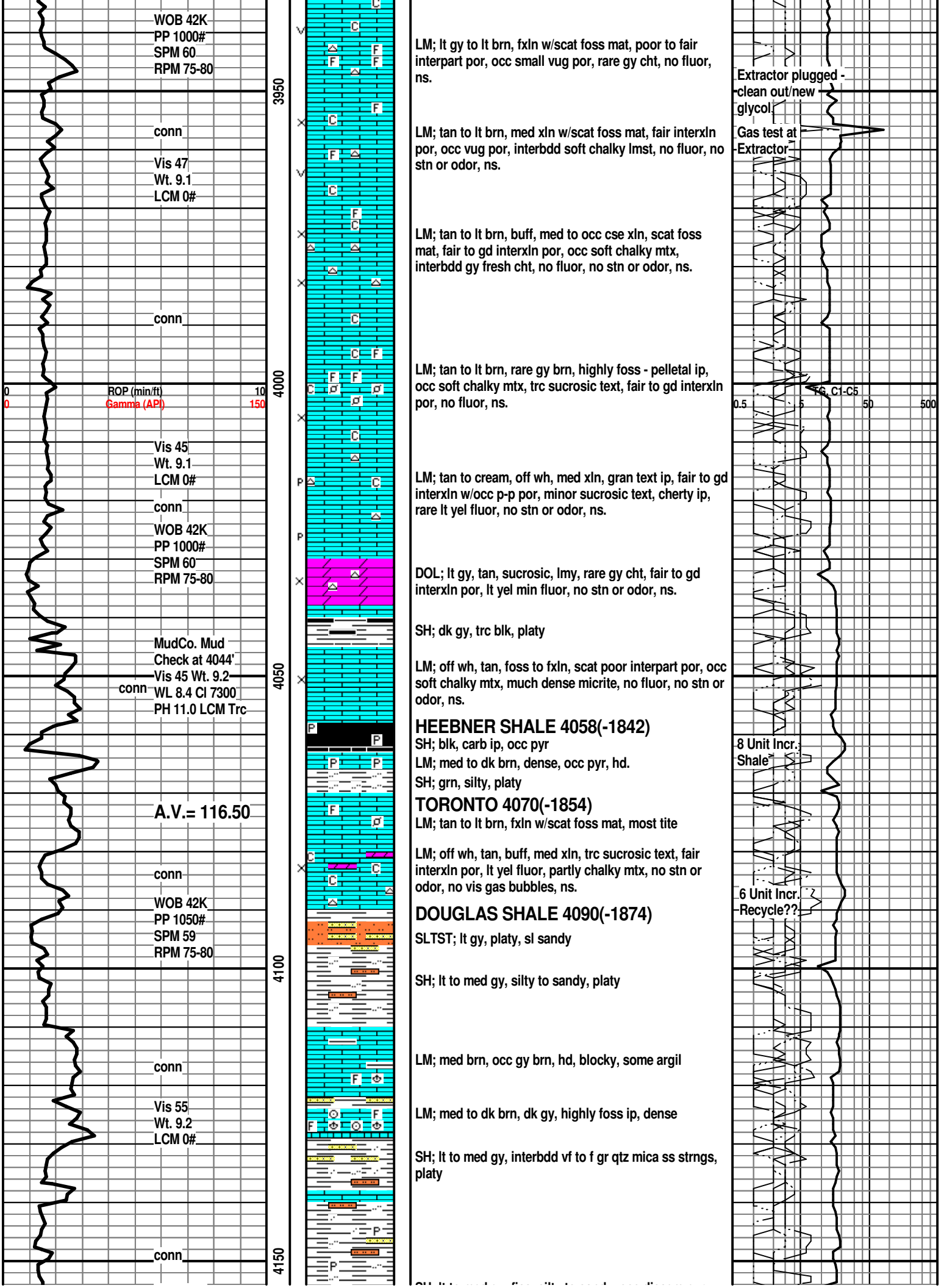
KB. 2216'

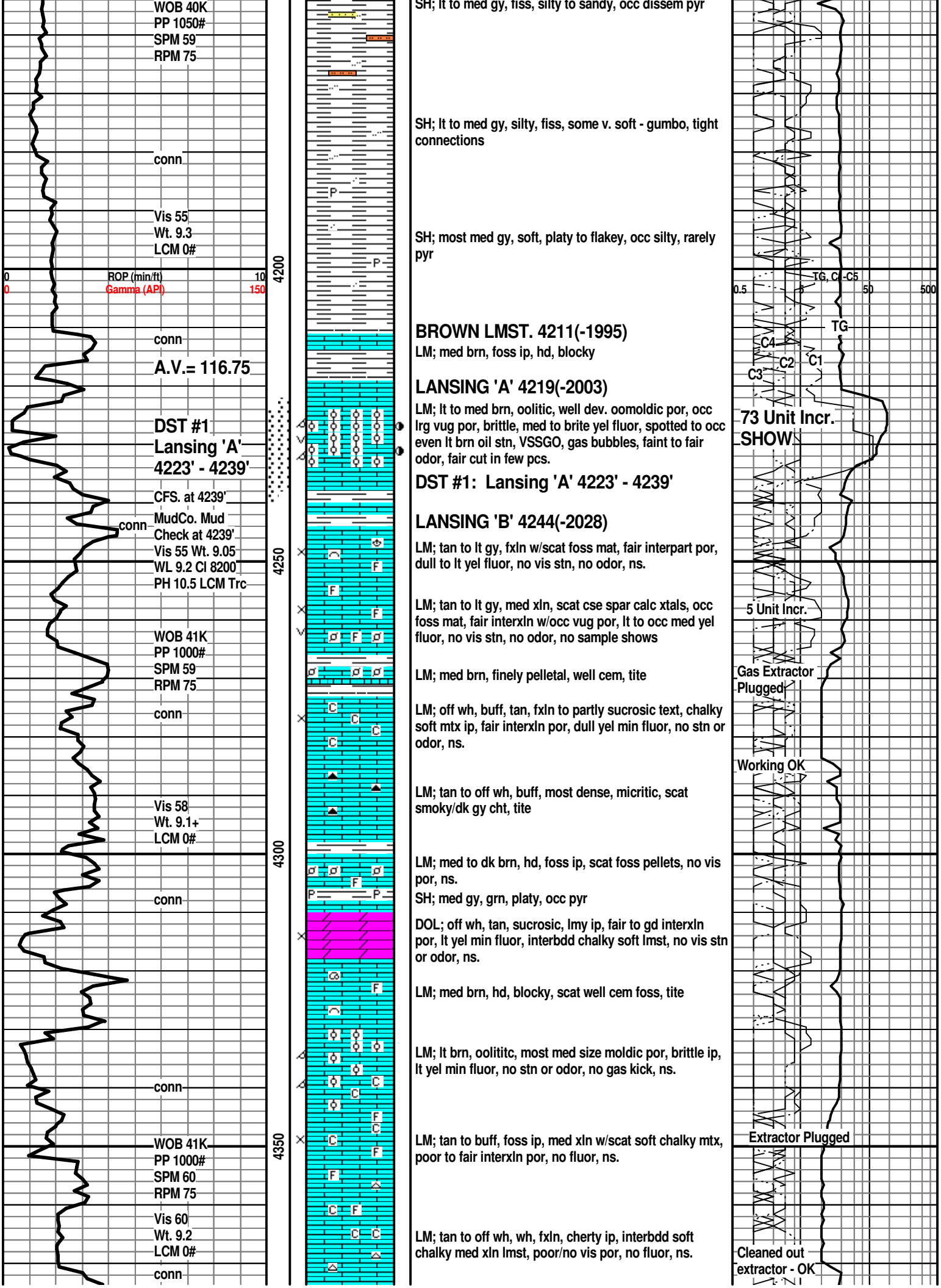
10' Wet and Dry Samples start at 3900'

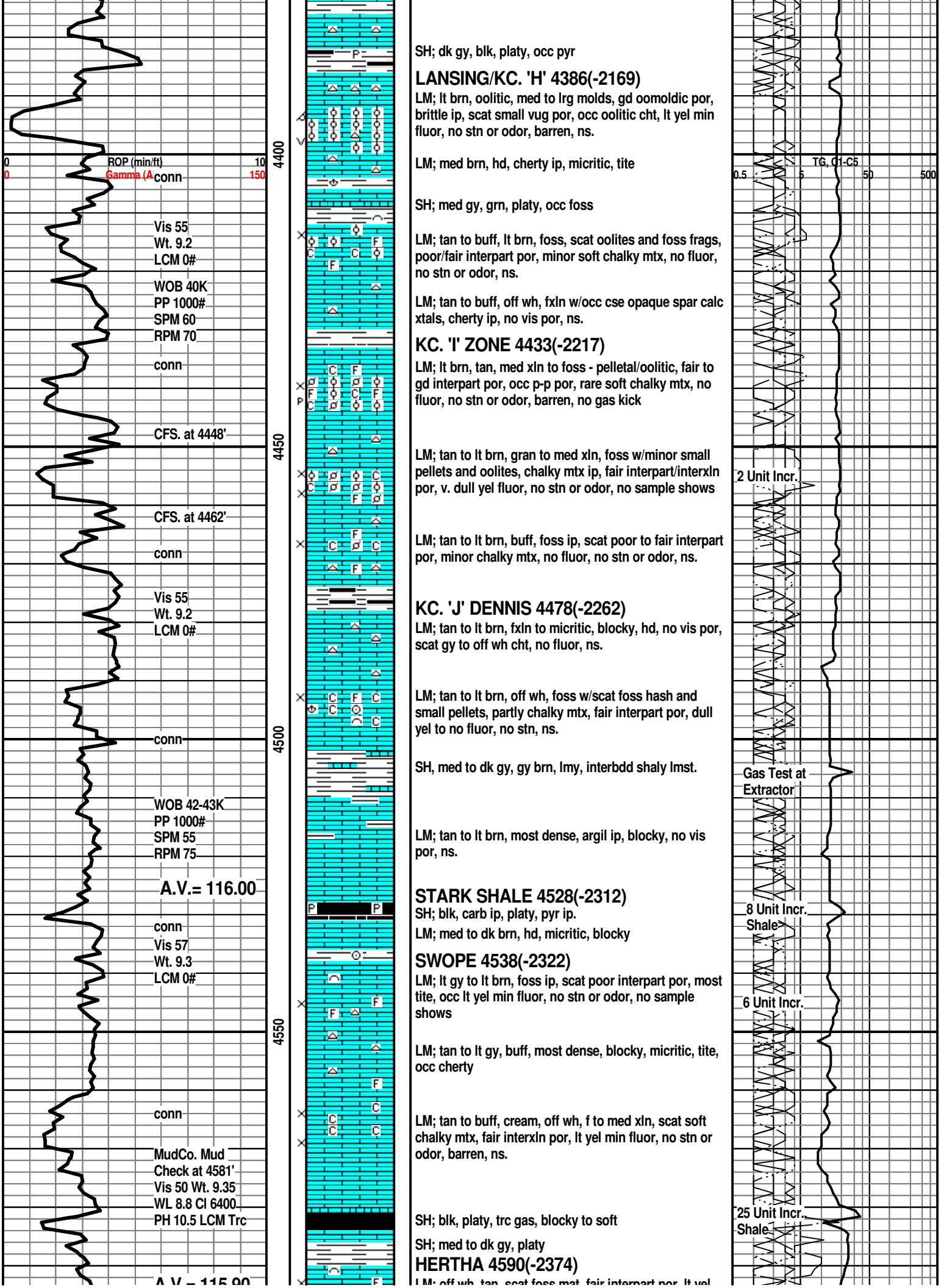
LM; off wh, tan, cream, foss, most well cem, scat finely pelletal lmst, no fluor, no stn, rare off wh to wh cht, ns.

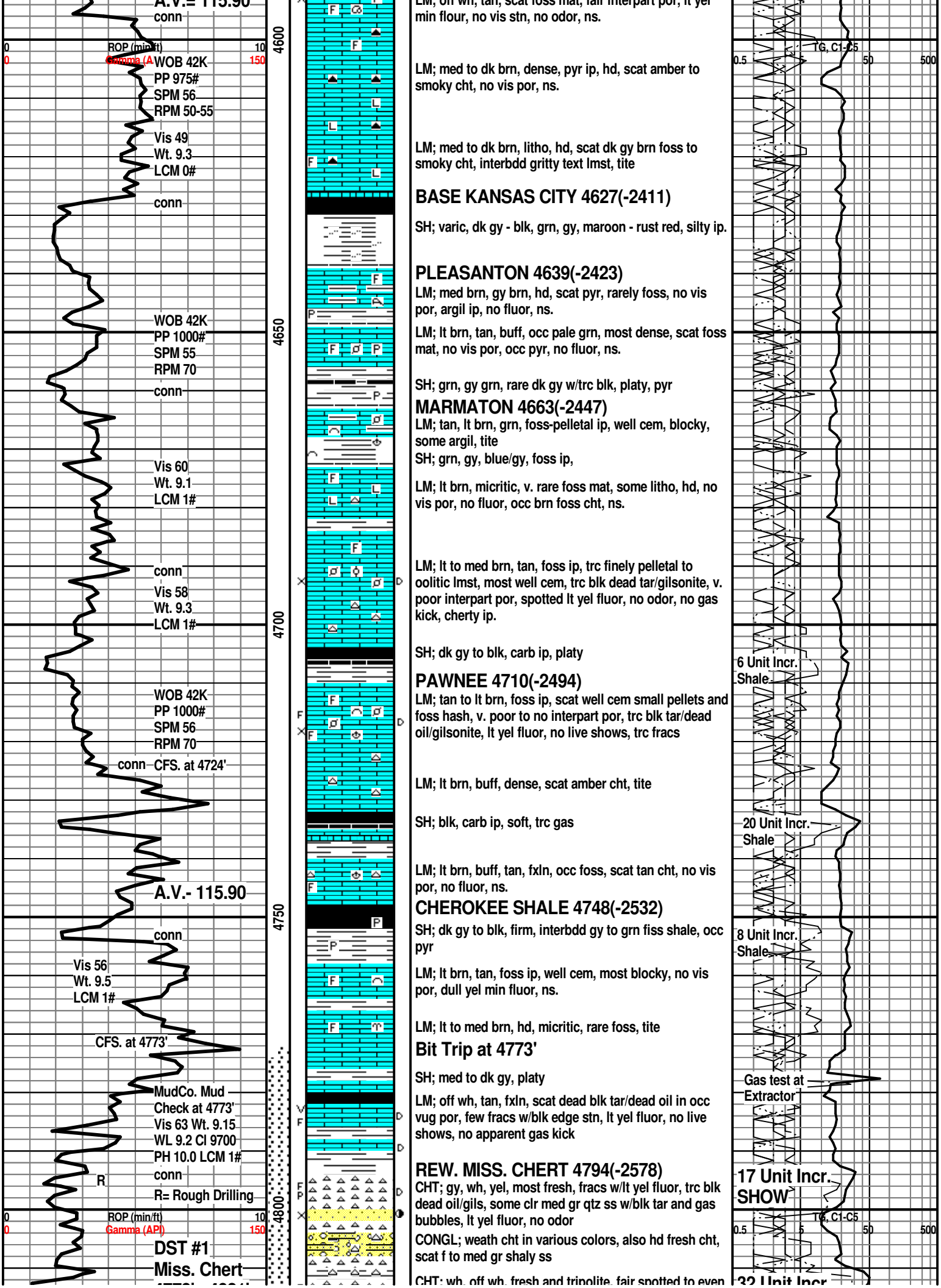
LM; off wh, tan, cream, foss ip, scat med xln occ chalky lmst, dull yel min fluor, fair interxln por, ns.

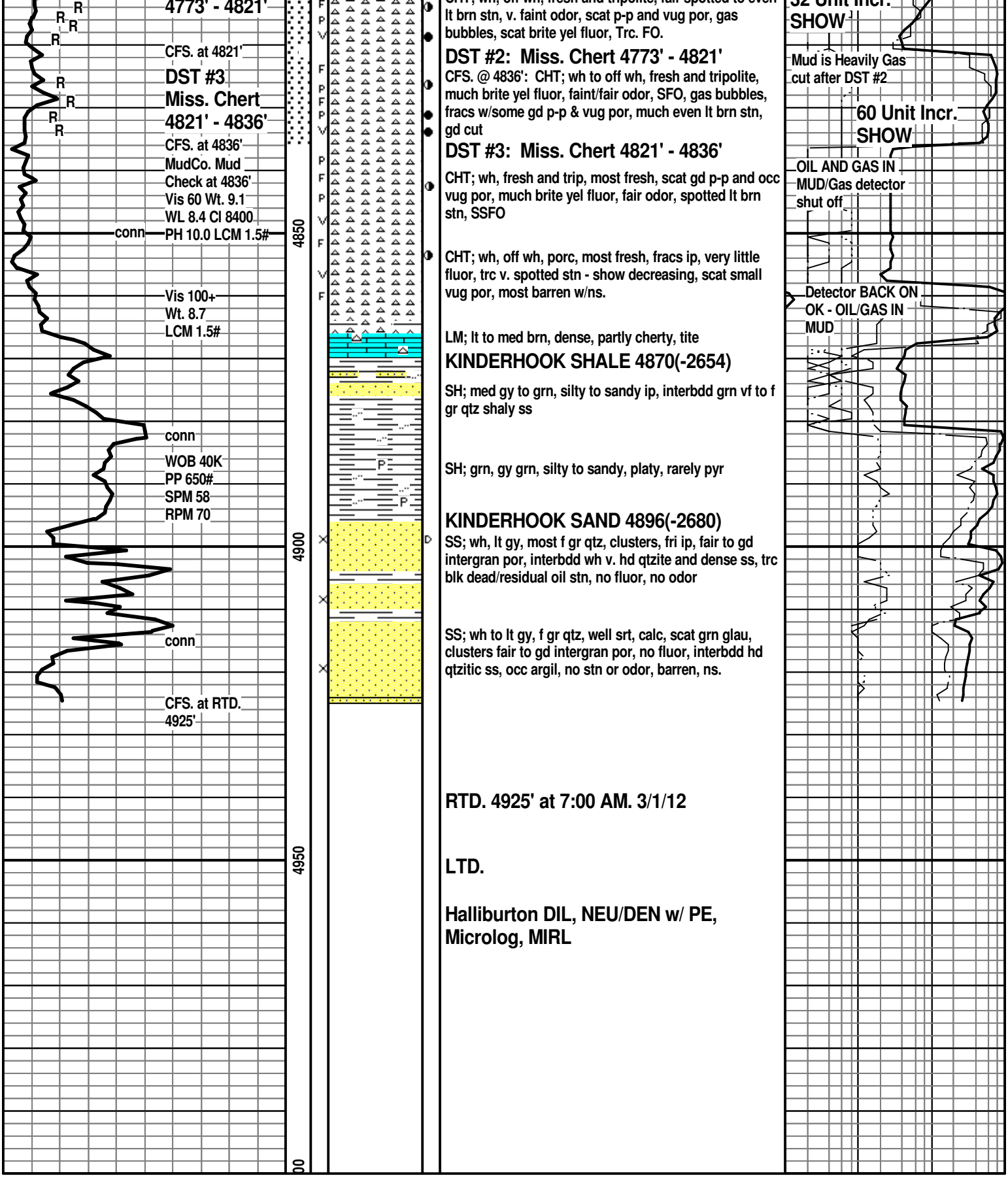
C2 C1 TG


WOB 42K
PP 1000#
SPM 60
RPM 75-80
conn
Vis 47
Wt. 9.1
LCM 0#
conn
0
ROP (min/ft)
10
0
Gamma (API)
150
Vis 45
Wt. 9.1
LCM 0#
conn
WOB 42K
PP 1000#
SPM 60
RPM 75-80
MudCo. Mud
Check at 4044'
Vis 45 Wt. 9.2
conn
WL 8.4 Cl 7300
PH 11.0 LCM Trc
A.V.= 116.50
conn
WOB 42K
PP 1050#
SPM 59
RPM 75-80
conn
Vis 55
Wt. 9.2
LCM 0#
conn
3950
4000
4050
4100
4150
LM; lt gy to lt brn, fxln w/scat foss mat, poor to fair interpart por, occ small vug por, rare gy cht, no fluor, ns.
LM; tan to lt brn, med xln w/scat foss mat, fair interxln por, occ vug por, interbdd soft chalky lmst, no fluor, no stn or odor, ns.
LM; tan to lt brn, buff, med to occ cse xln, scat foss mat, fair to gd interxln por, occ soft chalky mtx, interbdd gy fresh cht, no fluor, no stn or odor, ns.
LM; tan to lt brn, rare gy brn, highly foss - pelletal ip, occ soft chalky mtx, trc sucrosic text, fair to gd interxln por, no fluor, ns.
LM; tan to cream, off wh, med xln, gran text ip, fair to gd interxln w/occ p-p por, minor sucrosic text, cherty ip, rare lt yel fluor, no stn or odor, ns.
DOL; lt gy, tan, sucrosic, lmy, rare gy cht, fair to gd interxln por, lt yel min fluor, no stn or odor, ns.
SH; dk gy, trc blk, platy
LM; off wh, tan, foss to fxln, scat poor interpart por, occ soft chalky mtx, much dense micrite, no fluor, no stn or odor, ns.
HEEBNER SHALE 4058(-1842)
SH; blk, carb ip, occ pyr
LM; med to dk brn, dense, occ pyr, hd.
SH; grn, silty, platy
TORONTO 4070(-1854)
LM; tan to lt brn, fxln w/scat foss mat, most tite
LM; off wh, tan, buff, med xln, trc sucrosic text, fair interxln por, lt yel fluor, partly chalky mtx, no stn or odor, no vis gas bubbles, ns.
DOUGLAS SHALE 4090(-1874)
SLTST; lt gy, platy, sl sandy
SH; lt to med gy, silty to sandy, platy
LM; med brn, occ gy brn, hd, blocky, some argil
LM; med to dk brn, dk gy, highly foss ip, dense
SH; lt to med gy, interbdd vf to f gr qtz mica ss strngs, platy
Extractor plugged - clean out/new glycol
Gas test at Extractor
TG, C1-C5
0.5
5
50
500
8 Unit Incr. Shale
6 Unit Incr. Recycle??


WOB 40K
PP 1050#
SPM 59
RPM 75
conn
Vis 55
Wt. 9.3
LCM 0#
0
ROP (min/ft)
10
0
Gamma (API)
150
4200
conn
A.V.= 116.75
DST #1
Lansing 'A'
4223' - 4239'
CFS. at 4239'
conn
MudCo. Mud
Check at 4239'
Vis 55 Wt. 9.05
WL 9.2 Cl 8200
PH 10.5 LCM Trc
4250
WOB 41K
PP 1000#
SPM 59
RPM 75
conn
Vis 58
Wt. 9.1+
LCM 0#
4300
conn
conn
4350
WOB 41K
PP 1000#
SPM 60
RPM 75
Vis 60
Wt. 9.2
LCM 0#
conn
SH; lt to med gy, fiss, silty to sandy, occ dissem pyr
SH; lt to med gy, silty, fiss, some v. soft - gumbo, tight connections
SH; most med gy, soft, platy to flakey, occ silty, rarely pyr
BROWN LMST. 4211(-1995)
LM; med brn, foss ip, hd, blocky
LANSING 'A' 4219(-2003)
LM; lt to med brn, oolitic, well dev. oomoldic por, occ lrg vug por, brittle, med to brite yel fluor, spotted to occ even lt brn oil stn, VSSGO, gas bubbles, faint to fair odor, fair cut in few pcs.
DST #1: Lansing 'A' 4223' - 4239'
LANSING 'B' 4244(-2028)
LM; tan to lt gy, fxln w/scat foss mat, fair interpart por, dull to lt yel fluor, no vis stn, no odor, ns.
LM; tan to lt gy, med xln, scat cse spar calc xtals, occ foss mat, fair interxln w/occ vug por, lt to occ med yel fluor, no vis stn, no odor, no sample shows
LM; med brn, finely pelletal, well cem, tite
LM; off wh, buff, tan, fxln to partly sucrosic text, chalky soft mtx ip, fair interxln por, dull yel min fluor, no stn or odor, ns.
LM; tan to off wh, buff, most dense, micritic, scat smoky/dk gy cht, tite
LM; med to dk brn, hd, foss ip, scat foss pellets, no vis por, ns.
SH; med gy, grn, platy, occ pyr
DOL; off wh, tan, sucrosic, lmy ip, fair to gd interxln por, lt yel min fluor, interbdd chalky soft lmst, no vis stn or odor, ns.
LM; med brn, hd, blocky, scat well cem foss, tite
LM; lt brn, oolititc, most med size moldic por, brittle ip, lt yel min fluor, no stn or odor, no gas kick, ns.
LM; tan to buff, foss ip, med xln w/scat soft chalky mtx, poor to fair interxln por, no fluor, ns.
LM; tan to off wh, wh, fxln, cherty ip, interbdd soft chalky med xln lmst, poor/no vis por, no fluor, ns.
TG, C1-C5
0.5
5
50
500
TG
C4
C2
C1
C3
73 Unit Incr.
SHOW
5 Unit Incr.
Gas Extractor
Plugged
Working OK
Extractor Plugged
Cleaned out
extractor - OK


0
ROP (min/ft)
10
0
Gamma (A
150
conn
Vis 55
Wt. 9.2
LCM 0#
WOB 40K
PP 1000#
SPM 60
RPM 70
conn
CFS. at 4448'
CFS. at 4462'
conn
Vis 55
Wt. 9.2
LCM 0#
conn
WOB 42-43K
PP 1000#
SPM 55
RPM 75
A.V.= 116.00
conn
Vis 57
Wt. 9.3
LCM 0#
conn
MudCo. Mud
Check at 4581'
Vis 50 Wt. 9.35
WL 8.8 Cl 6400
PH 10.5 LCM Trc
A.V.= 115.90
4400
4450
4500
4550
SH; dk gy, blk, platy, occ pyr
LANSING/KC. 'H' 4386(-2169)
LM; lt brn, oolitic, med to lrg molds, gd oomoldic por, brittle ip, scat small vug por, occ oolitic cht, lt yel min fluor, no stn or odor, barren, ns.
LM; med brn, hd, cherty ip, micritic, tite
SH; med gy, grn, platy, occ foss
LM; tan to buff, lt brn, foss, scat oolites and foss frags, poor/fair interpart por, minor soft chalky mtx, no fluor, no stn or odor, ns.
LM; tan to buff, off wh, fxln w/occ cse opaque spar calc xtals, cherty ip, no vis por, ns.
KC. 'I' ZONE 4433(-2217)
LM; lt brn, tan, med xln to foss - pelletal/oolitic, fair to gd interpart por, occ p-p por, rare soft chalky mtx, no fluor, no stn or odor, barren, no gas kick
LM; tan to lt brn, gran to med xln, foss w/minor small pellets and oolites, chalky mtx ip, fair interpart/interxln por, v. dull yel fluor, no stn or odor, no sample shows
LM; tan to lt brn, buff, foss ip, scat poor to fair interpart por, minor chalky mtx, no fluor, no stn or odor, ns.
KC. 'J' DENNIS 4478(-2262)
LM; tan to lt brn, fxln to micritic, blocky, hd, no vis por, scat gy to off wh cht, no fluor, ns.
LM; tan to lt brn, off wh, foss w/scat foss hash and small pellets, partly chalky mtx, fair interpart por, dull yel to no fluor, no stn, ns.
SH, med to dk gy, gy brn, lmy, interbdd shaly lmst.
LM; tan to lt brn, most dense, argil ip, blocky, no vis por, ns.
STARK SHALE 4528(-2312)
SH; blk, carb ip, platy, pyr ip.
LM; med to dk brn, hd, micritic, blocky
SWOPE 4538(-2322)
LM; lt gy to lt brn, foss ip, scat poor interpart por, most tite, occ lt yel min fluor, no stn or odor, no sample shows
LM; tan to lt gy, buff, most dense, blocky, micritic, tite, occ cherty
LM; tan to buff, cream, off wh, f to med xln, scat soft chalky mtx, fair interxln por, lt yel min fluor, no stn or odor, barren, ns.
SH; blk, platy, trc gas, blocky to soft
SH; med to dk gy, platy
HERTHA 4590(-2374)
LM; off wh, tan, scat foss mat, fair interpart por, lt yel
TG, C1-C5
0.5
5
50
500
2 Unit Incr.
Gas Test at Extractor
8 Unit Incr. Shale
6 Unit Incr.
25 Unit Incr. Shale


A.V.= 115.90
conn
0
ROP (min/ft)
10
0
Gamma (API)
150
WOB 42K
PP 975#
SPM 56
RPM 50-55
Vis 49
Wt. 9.3
LCM 0#
conn
WOB 42K
PP 1000#
SPM 55
RPM 70
conn
Vis 60
Wt. 9.1
LCM 1#
conn
Vis 58
Wt. 9.3
LCM 1#
WOB 42K
PP 1000#
SPM 56
RPM 70
conn
CFS. at 4724'
A.V.- 115.90
conn
Vis 56
Wt. 9.5
LCM 1#
CFS. at 4773'
MudCo. Mud
Check at 4773'
Vis 63 Wt. 9.15
WL 9.2 Cl 9700
PH 10.0 LCM 1#
conn
R
R= Rough Drilling
0
ROP (min/ft)
10
0
Gamma (API)
150
DST #1
Miss. Chert
4600
4650
4700
4750
4800
LM; off wh, tan, scat foss mat, fair interpart por, lt yel min flour, no vis stn, no odor, ns.
LM; med to dk brn, dense, pyr ip, hd, scat amber to smoky cht, no vis por, ns.
LM; med to dk brn, litho, hd, scat dk gy brn foss to smoky cht, interbdd gritty text lmst, tite
BASE KANSAS CITY 4627(-2411)
SH; varic, dk gy - blk, grn, gy, maroon - rust red, silty ip.
PLEASANTON 4639(-2423)
LM; med brn, gy brn, hd, scat pyr, rarely foss, no vis por, argil ip, no fluor, ns.
LM; lt brn, tan, buff, occ pale grn, most dense, scat foss mat, no vis por, occ pyr, no fluor, ns.
SH; grn, gy grn, rare dk gy w/trc blk, platy, pyr
MARMATON 4663(-2447)
LM; tan, lt brn, grn, foss-pelletal ip, well cem, blocky, some argil, tite
SH; grn, gy, blue/gy, foss ip,
LM; lt brn, micritic, v. rare foss mat, some litho, hd, no vis por, no fluor, occ brn foss cht, ns.
LM; lt to med brn, tan, foss ip, trc finely pelletal to oolitic lmst, most well cem, trc blk dead tar/gilsonite, v. poor interpart por, spotted lt yel fluor, no odor, no gas kick, cherty ip.
SH; dk gy to blk, carb ip, platy
PAWNEE 4710(-2494)
LM; tan to lt brn, foss ip, scat well cem small pellets and foss hash, v. poor to no interpart por, trc blk tar/dead oil/gilsonite, lt yel fluor, no live shows, trc fracs
LM; lt brn, buff, dense, scat amber cht, tite
SH; blk, carb ip, soft, trc gas
LM; lt brn, buff, tan, fxln, occ foss, scat tan cht, no vis por, no fluor, ns.
CHEROKEE SHALE 4748(-2532)
SH; dk gy to blk, firm, interbdd gy to grn fiss shale, occ pyr
LM; lt brn, tan, foss ip, well cem, most blocky, no vis por, dull yel min fluor, ns.
LM; lt to med brn, hd, micritic, rare foss, tite
Bit Trip at 4773'
SH; med to dk gy, platy
LM; off wh, tan, fxln, scat dead blk tar/dead oil in occ vug por, few fracs w/blk edge stn, lt yel fluor, no live shows, no apparent gas kick
REW. MISS. CHERT 4794(-2578)
CHT; gy, wh, yel, most fresh, fracs w/lt yel fluor, trc blk dead oil/gils, some clr med gr qtz ss w/blk tar and gas bubbles, lt yel fluor, no odor
CONGL; weath cht in various colors, also hd fresh cht, scat f to med gr shaly ss
CHT; wh, off wh, fresh and tripolite, fair spotted to even
TG, C1-C5
0.5
5
50
500
6 Unit Incr. Shale
20 Unit Incr. Shale
8 Unit Incr. Shale
Gas test at Extractor
17 Unit Incr. SHOW
TG, C1-C5
0.5
5
50
500
32 Unit Incr.


4773' - 4821'
CFS. at 4821'
DST #3
Miss. Chert
4821' - 4836'
CFS. at 4836'
MudCo. Mud
Check at 4836'
Vis 60 Wt. 9.1
WL 8.4 Cl 8400
conn
PH 10.0 LCM 1.5#
Vis 100+
Wt. 8.7
LCM 1.5#
conn
WOB 40K
PP 650#
SPM 58
RPM 70
conn
CFS. at RTD.
4925'
4850
4900
4950
lt brn stn, v. faint odor, scat p-p and vug por, gas bubbles, scat brite yel fluor, Trc. FO.
DST #2: Miss. Chert 4773' - 4821'
CFS. @ 4836': CHT; wh to off wh, fresh and tripolite, much brite yel fluor, faint/fair odor, SFO, gas bubbles, fracs w/some gd p-p & vug por, much even lt brn stn, gd cut
DST #3: Miss. Chert 4821' - 4836'
CHT; wh, fresh and trip, most fresh, scat gd p-p and occ vug por, much brite yel fluor, fair odor, spotted lt brn stn, SSFO
CHT; wh, off wh, porc, most fresh, fracs ip, very little fluor, trc v. spotted stn - show decreasing, scat small vug por, most barren w/ns.
LM; lt to med brn, dense, partly cherty, tite
KINDERHOOK SHALE 4870(-2654)
SH; med gy to grn, silty to sandy ip, interbdd grn vf to f gr qtz shaly ss
SH; grn, gy grn, silty to sandy, platy, rarely pyr
KINDERHOOK SAND 4896(-2680)
SS; wh, lt gy, most f gr qtz, clusters, fri ip, fair to gd intergran por, interbdd wh v. hd qtzite and dense ss, trc blk dead/residual oil stn, no fluor, no odor
SS; wh to lt gy, f gr qtz, well srt, calc, scat grn glau, clusters fair to gd intergran por, no fluor, interbdd hd qtzitic ss, occ argil, no stn or odor, barren, ns.
RTD. 4925' at 7:00 AM. 3/1/12
LTD.
Halliburton DIL, NEU/DEN w/ PE, Microlog, MIRL
32 Unit Incr.
SHOW
Mud is Heavily Gas cut after DST #2
60 Unit Incr.
SHOW
OIL AND GAS IN MUD/Gas detector shut off
Detector BACK ON OK - OIL/GAS IN MUD

BASIC ENERGY SERVICES

PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	02/24/2012

INVOICE NUMBER

1718 - 90838699

Pratt (620) 672-1201

BILL TO
STRATA EXPLORATION
PO Box: 401
FAIRFIELD
IL US 62837

ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	Sampson 2-4
LOCATION	
COUNTY	Kiowa
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

PAID 3-20-12 FNB SA 8243

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40433599	20920		Net - 30 days	03/25/2012

For Service Dates: 02/21/2012 to 02/21/2012

0040433599

LEASE Sampson 2-4 | LEV 5 | P/P 3/12
DES Cement Surface | A/P 3/14
DRL X | COM | LOE | G/L 71730/11,642.17 | D/D

171805238A Cement-New Well Casing/Pi 02/21/2012
8 5/8 Surface

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A Serv Lite	200.00	EA	10.27	2,053.88 T
Common	275.00	EA	12.64	3,475.80 T
Cello-flake (POLEFLAKE-C)	100.00	EA	2.92	292.28 T
Calcium Chloride	1,218.00	EA	0.83	1,010.27 T
Top Rubber Cement Plug, 8 5/8"	1.00	EA	177.74	177.74
Flapper Type Insert Float Valves 8 5/8"	1.00	EA	221.19	221.19
8 5/8" Guide Shoe (Red)	1.00	EA	434.48	434.48
8 5/8" Basket (Blue)	1.00	EA	248.84	248.84
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.36	100.72
Heavy Equipment Mileage	90.00	MI	5.53	497.67
Proppant and Bulk Delivery Charges	650.00	MI	1.26	821.55
Depth Charge; 501' -1000'	1.00	HR	947.95	947.95
Blending & Mixing Service Charge	475.00	MI	1.11	525.32
Plug Container Utilization Charge	1.00	EA	197.49	197.49
Service Supervisor	1.00	HR	138.24	138.24

PLEASE REMIT TO:

BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES,LP
PO BOX 10460
MIDLAND,TX 79702

SUB TOTAL	11,143.42
TAX	498.75
INVOICE TOTAL	11,642.17

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05238 A

DATE TICKET NO.

DATE OF JOB 2-21-12 DISTRICT KANSAS	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Strata Exploration INC	LEASE Sampson #2-4 WELL NO.
ADDRESS	COUNTY Kiowa 4-28-18 STATE Ks
CITY STATE	SERVICE CREW Allen, Brad, Justin.
AUTHORIZED BY	JOB TYPE: 8 5/8 surface CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28443 P.U.	4				
33708-70920	4				
19831-19862	4				

	DATE	AM PM	TIME
TRUCK CALLED	2-21-12	AM	700
ARRIVED AT JOB	2-21-12	AM	945
START OPERATION	2-21-12	AM	300
FINISH OPERATION	2-21-12	AM	700
RELEASED	2-21-12	AM	800
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
CP 106	A-Serv Lite	SK	200		$ 2600 00
CP 100	Common	SK	200		$ 3200 00
CP 100	Common	SK	75		$ 1200 00
CC 102	Cell Flake	lb	100		$ 370 00
CC 109	Calcium Chloride	lb	320	942 90	~~$ 336 00~~
CF 105	Top Rubber Plug 8 5/8"	EA	1		$ 122 00
CF 1453	Auto Fill Insert 8 5/8	EA	1	280 -	~~$ 170 00~~
CF 203	8 5/8 Guide Shoe Blue	EA	1		$ 550 00
CF 1903	8 5/8 Basket Blue	EA	1		$ 315 00
E 100	Unit mileage Pickup	mi	30		$ 127 50
E 101	Heavy Equip mileage	mi	90		$ 630 00
E 113	Bulk Delivery chg	Tm	650		$ 1039 20
CE 201	Depth Charge 501-1000'	4-hr	1		$ 1200 00
CE 240	Blending & mixing service chg.	SK	475		$ 665 00
CE 504	Plug Container Utilization chg	Job	1		$ 250 00
S 003	Service Supervisor first 8hrs	EA	1		$ 175 00

SUB TOTAL DLS 11,143.42

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Dell Wells	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Brad Shauers

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

#1

Customer	Lease No.	Date
Strata Explor. Inc		2-21-12
Lease	**Well #**	
Sampson	2-4	

Field Order #	Station	Casing	Depth	County	State
052388	Pratt KS	8 5/8"	540'	Kiowa	KS

Type Job	Formation	Legal Description
8 5/8" Surface CNW	TD 545'	4-28-18

PIPE DATA		PERFORATING DATA		FLUID USED
Casing Size 8 5/8	Tubing Size	Shots/Ft	200	Acid 5 Sks A-Serv Lite
Depth 540'	Depth	From	To 200	Pre Pad 5 Sks common
Volume 500 #	Volume	From	To	Pad
Max Press 33 1/2	Max Press	From	To	Frac
Well Connection BC	Annulus Vol.	From	To	
Plug Depth 525.5	Packer Depth	From	To	Flush Disp. H2O

TREATMENT RESUME		
RATE	PRESS	ISIP
Max	2% CC 1/4# C.F @ 15.6#	5 Min.
Min		10 Min.
Avg		15 Min.
HHP Used		Annulus Pressure
Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Billy "TP"	Scotty	Allen

Service Units	28443	33708	20920	19831	19867						
Driver Names	Allen	Brad	mitchell	Justin	Bowers						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
945 AM					on Loc. Discuss Safety, Setup, Plan Job.
					Rig making Short Trip.
1120					Back on Bottom CIRW/ Rig.
					Start out of Hole w/ D.P.
1230 PM					out of Hole, Rig up To Run 8 5/8 Csg
120					Start 8 5/8" Csg 23# Shoe Jt 14.56
					w/ Reg guide Shoe + Auto Fill insert
					Basket 80' From surface
300					Casing @ 540' CIRW/ Rig.
315	200#		68	5	mix 200 sks A-Serv Lite
				5	mix 200 sks common w/ 2% CC
	300#				1/4# C.F @ 15.6#
335	5		43		F.N. mix. Drop Top Rubber Plug
				5	Start Disp.
345	200#		33 1/2	2	Plug Down
	0#				Release - OK.
					Washup Equip.
400					NO cmt To surface
					order more cmt
					cont.

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

#2

Customer	Lease No.	Date
Strata Explor Inc		2-28-12
Lease	**Well #**	
Sampson	#2-4	

Field Order #	Station	Casing	Depth	County	State
052288	Pratt KS	8 5/8	840	Kiowa	KS

Type Job	Formation	Legal Description
8 5/8 surface		4-28-18

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid 755ks common 2%cc 15.6#	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Brad	Scott	Allen

Service Units	25443	23208	20920	19831	19862						
Driver Names	Allen	Brad Mitchell	Justin Bu								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1600 pm					Bulk Trk Back on Loc.
					Run 3 jts. 1" Pipe. Approx 60'
			1.6	2	mix 755ks common 2%cc @ 15.6
1700					cmt cir To pit
1800					Job complete
					thanks Allen
					Brad
					Justin B.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES

PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	03/06/2012

INVOICE NUMBER

1718 - 90847296

Pratt (620) 672-1201

BILL TO
STRATA EXPLORATION
PO Box: 401
FAIRFIELD
IL US 62837
ATTN: ACCOUNTS PAYABLE

JOB SITE
LEASE NAME: Sampson 2-4
LOCATION:
COUNTY: Kiowa
STATE: KS
JOB DESCRIPTION: Cement-New Well Casing/Pi
JOB CONTACT:

PAID 3-20-12 FNB SA 8243

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40437299	20920		Net - 30 days	04/05/2012

For Service Dates: 03/02/2012 to 03/02/2012

0040437299

171805817A Cement-New Well Casing/Pi 03/02/2012
Cement 5 1/2" Longstring

LEASE: SAMPSON 2-4 | LEV: 5 | P/P: 3/12
DES: CEMENT LONGSTRING | A/P: 3/14
DRL | COM: X | LOE | G/L: 73551 | D/D
11540.89

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
50/50 POZ	200.00	EA	8.80	1,759.90 T
60/40 POZ	50.00	EA	9.60	479.97 T
Cello-flake (POLEFLAKE-C)	50.00	EA	2.96	147.99 T
Cal-Set	840.00	EA	0.60	503.97 T
FLA-322	84.00	EA	6.00	503.97 T
KCL, Potassium Chloride	453.00	EA	1.20	543.57 T
Gilsonite	1,200.00	EA	0.54	643.16 T
Mud Flush	1,000.00	EA	0.69	687.96 T
CS- 1L, KCL Substitute	5.00	EA	28.00	139.99 T
Latch Down Plug & Baffle, 5 1/2" (Blue)	1.00	EA	319.98	319.98
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	287.98	287.98
Turbolizer, 5 1/2" (Blue)	12.00	EA	88.00	1,055.94
5 1/2" Basket (Blue)	1.00	EA	231.99	231.99
Cement Scratchers Cable Type, 5 1/2"	6.00	EA	60.00	359.98
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.40	101.99
Heavy Equipment Mileage	60.00	MI	5.60	335.98
Proppant and Bulk Delivery Charges	317.00	MI	1.28	405.74
Depth Charge; 4001' - 5000'	1.00	HR	2,015.90	2,015.90
Blending & Mixing Service Charge	250.00	MI	1.12	279.98
Plug Container Utilization Charge	1.00	EA	199.99	199.99
Service Supervisor	1.00	HR	139.99	139.99

PLEASE REMIT TO:

BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES,LP
PO BOX 10460
MIDLAND,TX 79702

SUB TOTAL	11,145.92
TAX	394.97
INVOICE TOTAL	11,540.89

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 05817 A

DATE TICKET NO: CONT

DATE OF JOB 3-2-12 DISTRICT Pratt	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER STRAT A Exploration	LEASE Sampson 2-4 WELL NO.
ADDRESS	COUNTY Kiowa STATE KS
CITY STATE	SERVICE CREW Melson Lawrence Sullivan
AUTHORIZED BY	JOB TYPE: 5½ LS CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
33709 20920	45 mi				
19826 19860	45 mi				
37900					

	DATE	AM PM	TIME
TRUCK CALLED	3-2-12	AM PM	8:00
ARRIVED AT JOB	3-2-12	AM PM	7:00
START OPERATION	3-2-12	AM PM	12:00
FINISH OPERATION	3-2-12	AM PM	12:45
RELEASED	3-2-12	AM PM	1:30
MILES FROM STATION TO WELL			30

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
CP 104	50/50 POZ	sk	200		2,200 00
CP 103	60/40 POZ	sk	50		600 00
CC 102	Cal-O flake	lb	50		185 00
CC 113	CgL-SET	lb	840		630 00
CC 129	FLA-322	lb	84		630 00
CC 700	KCL	lb	453		679 50
CC 201	Gilsonite	lb	1200		504 00
CF 607	Latch Down Plug	ea	1		400 00
CF 1251	Auto Fill Shoe	ea	1		360 00
CF 1651	Turbolizer	ea	12		1,320 00
CF 1901	5½ Basket	ea	1		290 00
CF 2001	Scratchers	ea	6		450 00
CC 151	Mud Flush	gal	1000		860 00
C 704	KCL	gal	5		175 00

SUB TOTAL DLS

CHEMICAL / ACID DATA:			

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

Thank you

SERVICE REPRESENTATIVE _____

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 ~~05818~~ A

Continuation of

DATE TICKET NO. 171805817A

DATE OF JOB 3-22-12 DISTRICT Pratt	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER STRATA EXPLORATION	LEASE SAMPSON 2-4 WELL NO.
ADDRESS	COUNTY KIOWA STATE KS
CITY STATE	SERVICE CREW Sullivan, McCoy, Lawless
AUTHORIZED BY	JOB TYPE: CNW 5½ 4 SSJ

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS

	DATE	AM PM	TIME
TRUCK CALLED		AM PM	
ARRIVED AT JOB		AM PM	
START OPERATION		AM PM	
FINISH OPERATION		AM PM	
RELEASED		AM PM	
MILES FROM STATION TO WELL			

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
E 100	Pickup Mileage	mi	30		127 50
E 101	Heavy Mileage	mi	60		420 00
E 113	Bulk Delivery	TM	317		506 40
CE 205	Depth Charge	4hr	1		1,520 00
CE 240	Mixing Charge	sks	250		350 00
CE 504	Plug Container	JOB	1		250 00
S 003	Supervisor	eq	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL	DLS	11,145 92
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
TOTAL		

THANK you

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
STRATA-EXPLORATION		03-02-12
Lease	**Well #**	
SIMPSON	2-4	

Field Order #	Station	Casing	Depth	County	State
5817	PRATT KS	5 1/2	4925'	KIOWA	KS

Type Job	Formation	Legal Description
CNW 5 1/2 LONGSTRING		4-28-18

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 4925'	Depth	From	To	Pre Pad	Max		5 Min.
Volume 112	Volume	From	To	Pad	Min		10 Min.
Max Press 2,000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection P.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 4904	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
	DAVE SCOTT	Robert Sullivan

Service Units	37900	33708	20920	19826	19860						
Driver Names	SULLIVAN	MELSON		LAWRENCE							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					on loc Safty meeting
					Run 5 1/2 # 15.5 csg 119 JTS
					cent 1, 2, 3, 4, 5, 9, 13, 17, 21, 24, 28, 32 Baskets 15
10:40					CASING on Bottom
10:50					Hook up to circ
12:00	150		24	3	St circ Flush
			5		H SPACER
				5.5	mix 200 sk 50/50 poz cmt mix 14 PPG
			48		cmt mixed shut down. Wash pump & lines
					Release Plug
				6	St Disp
	350		85		Lift PSI
	600		100	4	SLOW RATE
12:40	1800		117		Plug Down
			7	2	plug RH w/ 20 sk
			5		plug MH w/ 20 sk
					JOB Complete
					Thank you

Taylor Printing, Inc. 620-672-3656

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

Kansas
Corporation Commission

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

May 14, 2012

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

Re: ACO1
API 15-097-21717-00-00
Sampson 2-4
NW/4 Sec.04-28S-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