



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217787
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
-----------------------------------	-----------------	---

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: _____



1217787

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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, LLC
Well Name	Bryant C-1
Doc ID	1217787

Tops

Name	Top	Datum
ANHYDRITE	532	+1252
TOPEKA	2639	-857
HEEBNER SHALE	2904	-1123
BROWN LIME	3024	-1242
LKC	3048	-1266
BKC	3303	-1521
ARBUCKLE	3345	-1563
RTD	3425	-1643



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Bryant C-1

Job Ticket: 60301

DST#: 1

ATTN: Steve Reed

Test Start: 2014.08.01 @ 22:13:00

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:00

Time Test Ended: 03:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: S2-Great Bend-55

Interval: 3030.00 ft (KB) To 3070.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3070.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6999 Inside

Press@RunDepth: 33.09 psig @ 3065.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.01

End Date:

2014.08.02

Last Calib.:

2014.08.02

Start Time: 22:14:00

End Time:

03:50:00

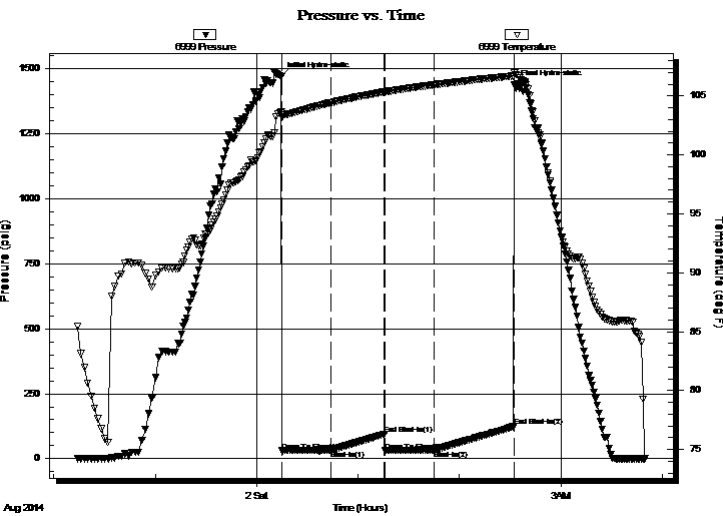
Time On Btm:

2014.08.02 @ 00:14:30

Time Off Btm:

2014.08.02 @ 02:32:30

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 4 inches into a 5 gallon bucket of water.
1st Shut in 30 minutes No blow back.
2nd Open 30 minutes Weak building blow built to 5 inches.
2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.27	103.65	Initial Hydro-static
1	30.53	103.18	Open To Flow (1)
30	31.32	104.43	Shut-In(1)
61	95.05	105.33	End Shut-In(1)
62	30.18	105.33	Open To Flow (2)
91	33.09	105.94	Shut-In(2)
138	123.65	106.70	End Shut-In(2)
138	1438.23	106.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Bryant C-1

Job Ticket: 60301

DST#: 1

ATTN: Steve Reed

Test Start: 2014.08.01 @ 22:13:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

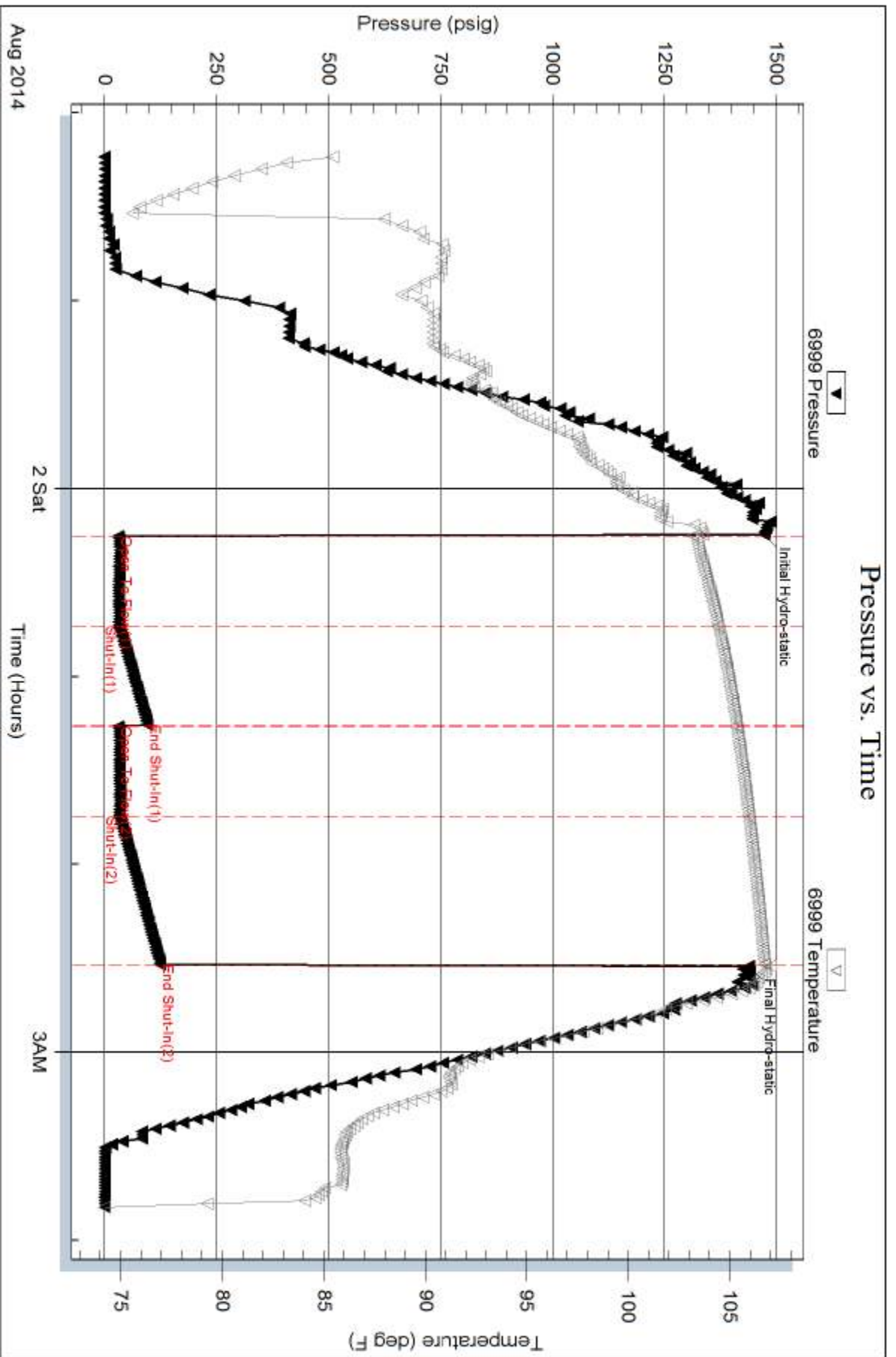
Serial #: 6999

Inside

Carrie Exploration and Development

Bryant C-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60301

Printed: 2014.08.02 @ 05:29:56



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration and Development**

210 West 22nd Street
Hays Kansas 67601

ATTN: Steve Reed

Brayant C-1

12-19s-11w-Barton

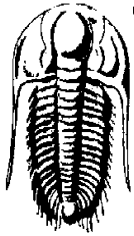
Start Date: 2014.08.02 @ 12:37:00

End Date: 2014.08.02 @ 17:19:00

Job Ticket #: 60302 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.02 @ 18:38:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Brayant C-1

Job Ticket: 60302

DST#: 2

ATTN: Steve Reed

Test Start: 2014.08.02 @ 12:37:00

GENERAL INFORMATION:

Formation: **Lansing C-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:00

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: S2-Great Bend-55

Interval: 3060.00 ft (KB) To 3134.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6999

Press@RunDepth: 50.26 kPag @ ft (KB)

Capacity: 5000.00 kPag

Start Date: 2014.08.02

End Date:

2014.08.02

Last Calib.:

2014.08.02

Start Time: 12:37:00

End Time:

17:19:00

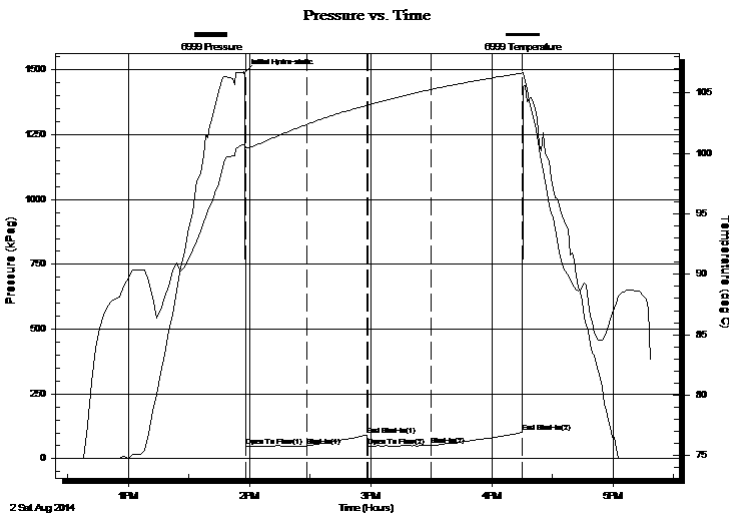
Time On Btm:

2014.08.02 @ 13:57:30

Time Off Btm:

TEST COMMENT: 1st Open 30 minutes Weak building blow buit to 1 inch into a 5 gallon bucket of w ater.
1st Shut in 30 minutes No blow back
2nd Open 30 minutes Weak blow buit to 1 inch.
2nd Shut in 45 minutes.No blow back.

PRESSURE SUMMARY



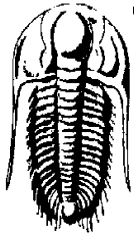
Time (Min.)	Pressure (kPag)	Temp (deg C)	Annotation
0	1487.71	100.75	Initial Hydro-static
1	46.37	100.49	Open To Flow (1)
31	49.15	102.40	Shut-In(1)
61	91.14	103.99	End Shut-In(1)
62	46.43	104.01	Open To Flow (2)
93	50.26	105.29	Shut-In(2)
138	101.11	106.66	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Brayant C-1

Job Ticket: 60302

DST#: 2

ATTN: Steve Reed

Test Start: 2014.08.02 @ 12:37:00

GENERAL INFORMATION:

Formation: **Lansing C-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:00

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: S2-Great Bend-55

Interval: 3060.00 ft (KB) To 3134.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8931

Press@RunDepth: 100.44 kPag @ ft (KB)

Capacity: 5000.00 kPag

Start Date: 2014.08.02

End Date:

2014.08.02

Last Calib.:

2014.08.02

Start Time: 12:37:00

End Time:

17:18:30

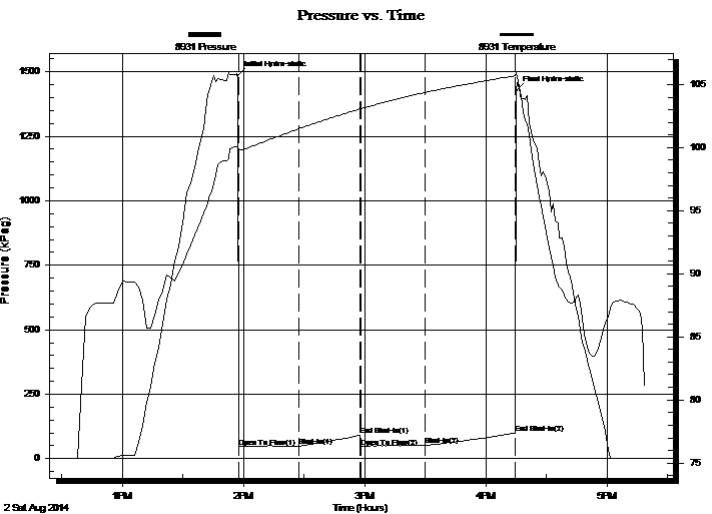
Time On Btm:

2014.08.02 @ 13:57:00

Time Off Btm:

2014.08.02 @ 16:15:00

TEST COMMENT: 1st Open 30 minutes Weak building blow buit to 1 inch into a 5 gallon bucket of w ater.
1st Shut in 30 minutes No blow back
2nd Open 30 minutes Weak blow buit to 1 inch.
2nd Shut in 45 minutes.No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (kPag)	Temp (deg C)	Annotation
0	1486.57	100.13	Initial Hydro-static
1	46.27	99.79	Open To Flow (1)
31	48.27	101.49	Shut-In(1)
61	90.77	103.06	End Shut-In(1)
61	46.25	103.07	Open To Flow (2)
93	50.50	104.36	Shut-In(2)
138	100.44	105.69	End Shut-In(2)
138	1426.20	105.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Brayant C-1

Job Ticket: 60302

DST#: 2

ATTN: Steve Reed

Test Start: 2014.08.02 @ 12:37:00

Tool Information

Drill Pipe:	Length: 3050.00 ft	Diameter: 3.80 inches	Volume: 42.78 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 42.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3060.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.06 ft			
Tool Length:	94.06 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3045.00	
Hydraulic tool	5.00			3050.00	
Top Packer	5.00			3055.00	
Packer	5.00			3060.00	20.00 Bottom Of Top Packer
Anchor	10.00			3070.00	
Change Over Sub	0.75			3070.75	
Drill Pipe	31.56			3102.31	
Change Over Sub	0.75			3103.06	
Anchor	26.00			3129.06	
Recorder	0.00	8931	Inside	3129.06	
Recorder	0.00	6999	Outside	3129.06	
Bull Plug	5.00			3134.06	74.06 Anchor Tool

Total Tool Length: 94.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration and Development

12-19s-11w-Barton

210 West 22nd Street
Hays Kansas 67601

Brayant C-1

Job Ticket: 60302

DST#: 2

ATTN: Steve Reed

Test Start: 2014.08.02 @ 12:37:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

kPag

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
7.00	Mud 100%	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

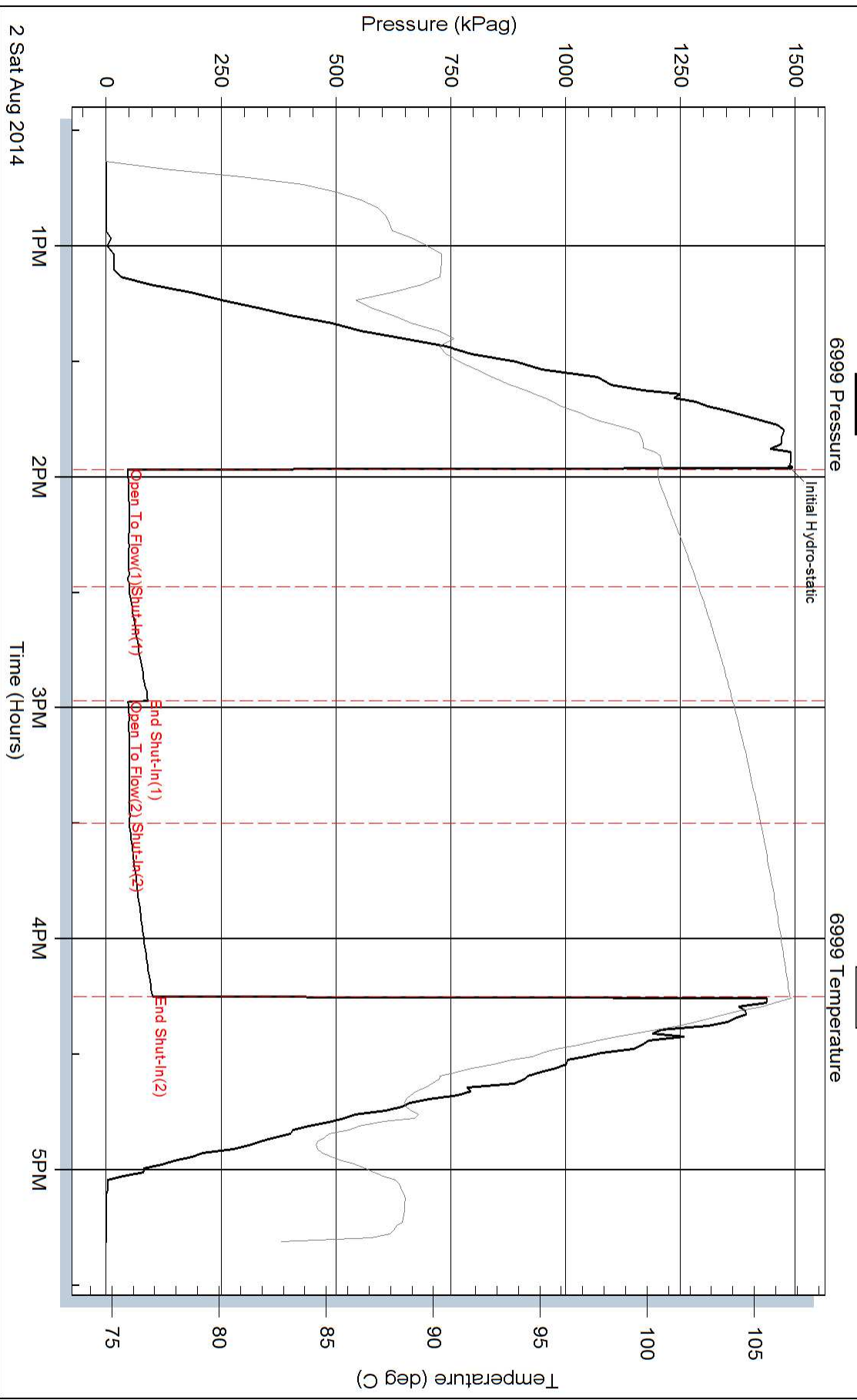
Serial #:

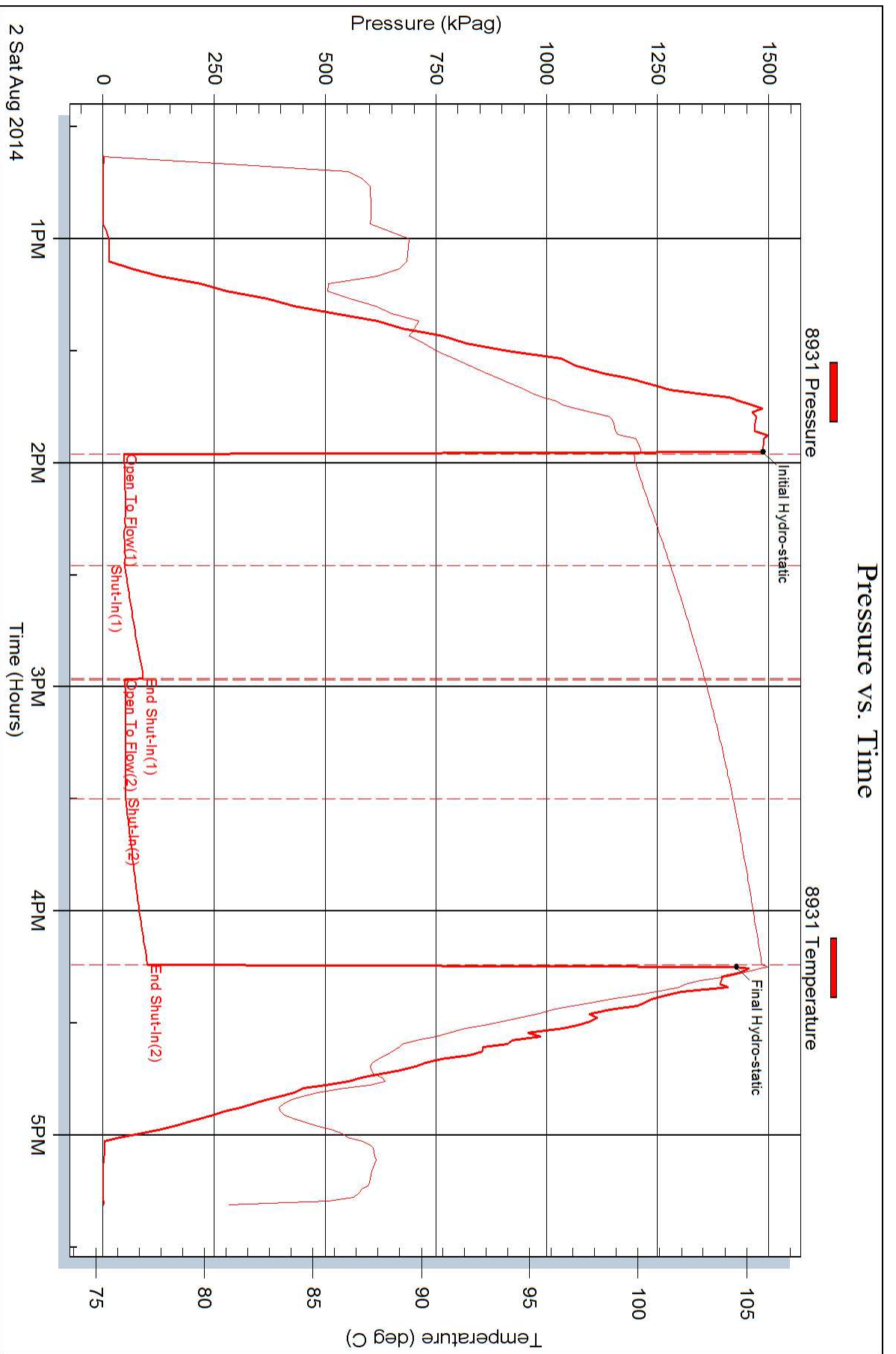
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





OPERATOR

Company: CARRIE EXPLORATION AND DEVELOPMENT
 Address: 210 WEST 22ND
 HAYS, KANSAS 67601

Contact Geologist: RONALD HEROLD
 Contact Phone Nbr: 913-961-2760
 Well Name: BRYANT C-1
 Location: NW NE SE S12 T19S R11W
 API: 15-009-25974-00-00
 Pool:
 State: KANSAS

Field: RICK
 Country: USA

Scale 1:240 Imperial

Well Name: BRYANT C-1
 Surface Location: NW NE SE S12 T19S R11W
 Bottom Location:
 API: 15-009-25974-00-00
 License Number: 6768
 Spud Date: 7/29/2014 Time: 6:30 PM
 Region: BARTON COUNTY
 Drilling Completed: 8/3/2014 Time: 11:30 AM
 Surface Coordinates: 2970 FNL & 990 FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1773.00ft
 K.B. Elevation: 1782.00ft
 Logged Interval: 2500.00ft To: 3425.00ft
 Total Depth: 3425.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL / FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.4837266
 Latitude: 38.4119790
 N/S Co-ord: 2970 FNL
 E/W Co-ord: 990 FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: GEOLOGIST

Name: STEVE REED / HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.
 Rig #: 2
 Rig Type: MUD ROTARY
 Spud Date: 7/29/2014 Time: 6:30 PM
 TD Date: 8/3/2014 Time: 11:30 AM
 Rig Release: 8/4/2014 Time: 8:45 AM

ELEVATIONS

K.B. Elevation: 1782.00ft Ground Elevation: 1773.00ft
 K.B. to Ground: 9.00ft

NOTES

FOLLOWING LOG ANALYSIS, THE DECISION WAS MADE TO SET 5 1/2" PRODUCTION TO FURTHER TEST

ARBUCKLE AND KANSAS CITY ZONES.

OPEN HOLE LOGGING PROVIDED BY: PIONEER ENERGY SERVICES
DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, AND MICRORESISTIVITY LOGS WERE PERFORMED

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING
TWO (2) CONVENTIONAL DRILL STEM TESTS WERE COMPLETED


LOG TOPS COMPARISONS AND DAILY ACTIVITY SUMMARY

	WELL NAME		COMPARISON WELL	COMPARISON WELL
	BRYANT # C-1		HOFFMAN #1	BRYANT #3
	API: 15-009-25974		API: 15-009-24740	API: 15-009-23570
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE TOP	542' (+1242')	532' (+1252')	+1227'	+1246'
TOPEKA	2637' (-855')	2639' (-857')	-848'	NA
HEEBNER	2908' (-1126')	2904' (-1123')	-1111'	-1124'
BROWN LIME	3028' (-1246')	3024' (-1242')	-1231'	-1243'
LKC	3047' (-1265')	3048' (-1266')	-1250'	-1262'
BKC	3304' (-1522')	3303' (-1521')	-1510'	-1537'
ARBUCKLE	3350' (-1568')	3345' (-1563')	-1565'	-1568'
RTD	3425' (-1643')	3422' (-1640')	-1667'	-1612'

SUMMARY OF DAILY ACTIVITY

- 7-29-14** R.U., spud @ 6:30pm, 8 5/8" surface casing set at 256' w/150 sxs Class A, 2% gel, 3% cc
- 7-30-14** 257', WOC, drilling
- 7-31-14** 1846', drilling, displaced at 2639'
- 8-1-14** 2760', drilling, CFS @ 3070, short trip (27 stands), CTCH, TOWB for DST #1, survey .5°, strap 1.59 short to board, DST #1 3030 to 3070
- 8-2-14** 3080', drilling, CFS @ 3134, TOWB for DST #2, DST #2 3060 to 3134
- 8-3-14** 3365', drilling, CFS @3368, CFS @ 3373, CFS @ 3378, TD of 3425 reached @ 11:30am, CFS, short trip (12 stands) CTCH, TOWB for logs, survey 1°, logging, prepare to set production casing, 5.5' production casing set at 3424' w/150 sxs of ACS, 2% gel, 5# Kohl.
- 8-4-14** release rig

DST # 1 SUMMARY

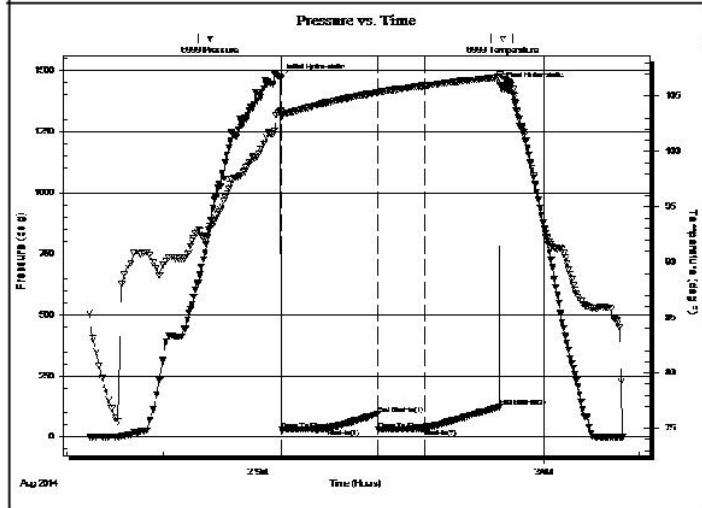
	DRILL STEM TEST REPORT	
	Carrie Exploration and Development 210 West 22nd Street Hays Kansas 67601 ATTN: Steve Reed	12-19s-11w-Barton Bryant C-1 Job Ticket: 60301 DST#: 1 Test Start: 2014.08.01 @ 22:13:00

GENERAL INFORMATION:

Formation: Lansing A-B	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 00:15:00	Unit No: S2-Great Bend-55
Time Test Ended: 03:50:00	
Interval: 3030.00 ft (KB) To 3070.00 ft (KB) (TVD)	Reference Elevations: 1783.00 ft (KB)
Total Depth: 3070.00 ft (KB) (TVD)	1775.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 6999 Inside	Capacity: 8000.00 psig
Press@RunDepth: 33.09 psig @ 3065.00 ft (KB)	Last Calib.: 2014.08.02
Start Date: 2014.08.01 End Date: 2014.08.02	Time On Btm: 2014.08.02 @ 00:14:30
Start Time: 22:14:00 End Time: 03:50:00	Time Off Btm: 2014.08.02 @ 02:32:30

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 4 inches into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back.
 2nd Open 30 minutes Weak building blow built to 5 inches.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.27	103.65	Initial Hydro-static
1	30.53	103.18	Open To Flow (1)
30	31.32	104.43	Shut-In(1)
61	95.05	105.33	End Shut-In(1)
62	30.18	105.33	Open To Flow (2)
91	33.09	105.94	Shut-In(2)
138	123.65	106.70	End Shut-In(2)
138	1438.23	106.99	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.14

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

DST # 1 PRESSURE VS TIME CHART

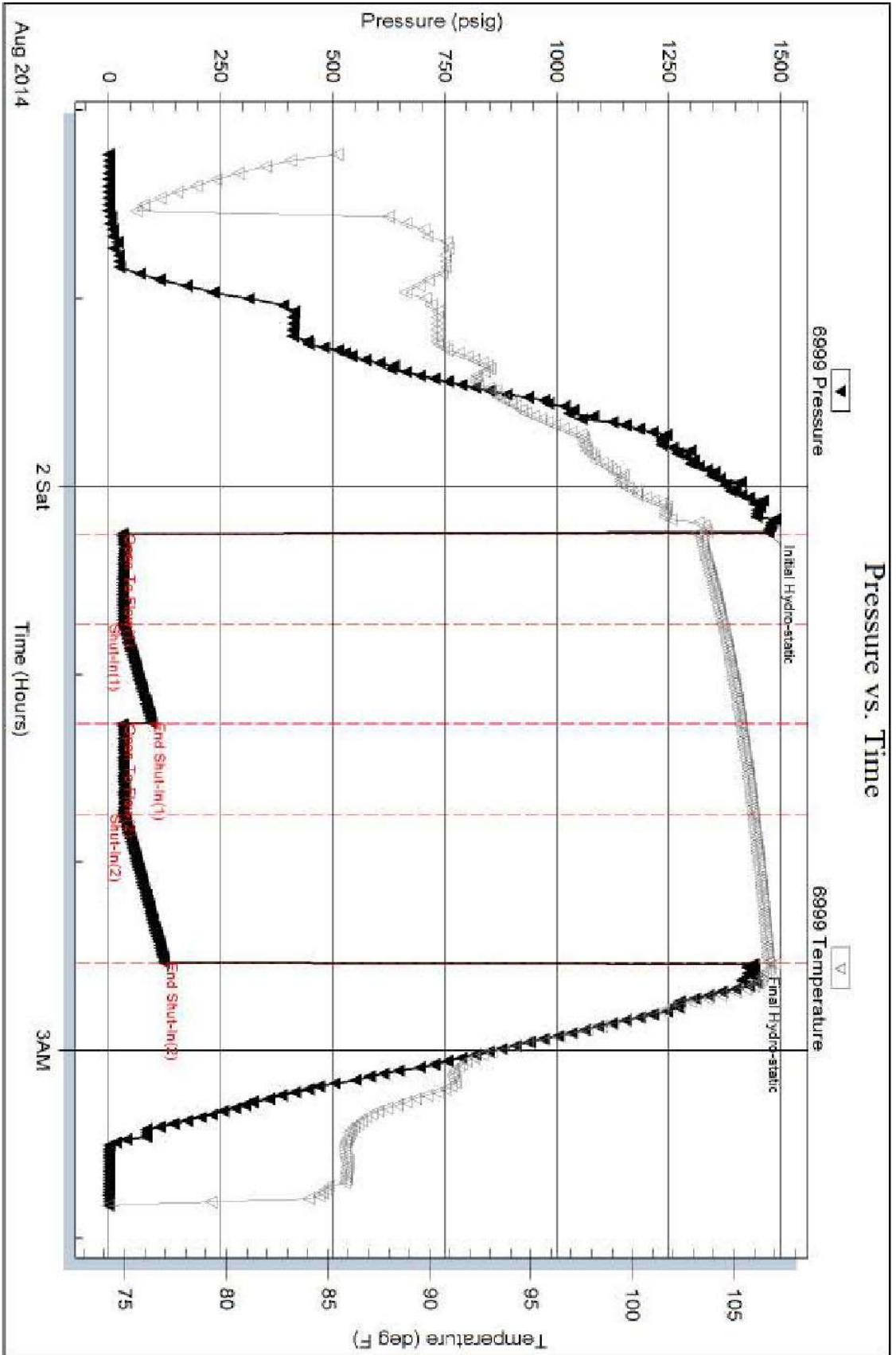
Serial #: 6999

Inside

Carrie Exploration and Development

Eryant-C-1

DST Test Number: 1




Tricolite Testing, Inc

Ref. No: 60301

Printed: 2014.08.02 @ 05:29:56

DST # 2 SUMMARY

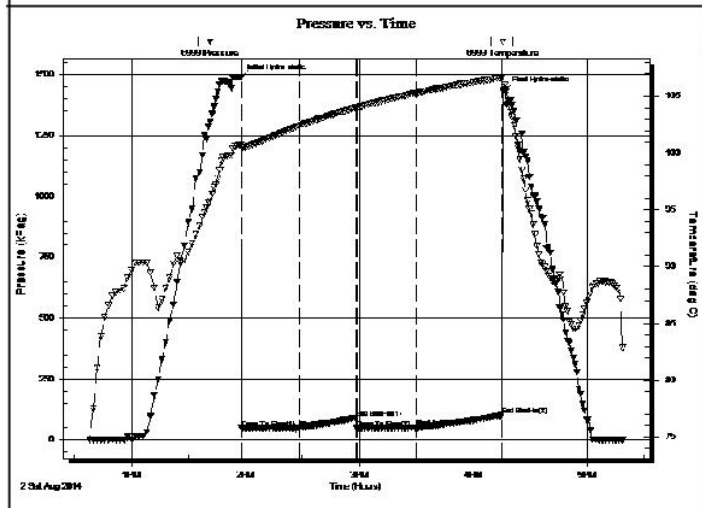
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Carrie Exploration and Development 210 West 22nd Street Hays Kansas 67601 ATTN: Steve Reed	12-19s-11w-Barton Brayant C-1 Job Ticket: 60302 DST#: 2 Test Start: 2014.08.02 @ 12:37:00

GENERAL INFORMATION:

Formation: Lansing C-G	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 13:58:00	Unit No: S2-Great Bend-55
Time Test Ended: 17:19:00	Reference Elevations: 1783.00 ft (KB)
Interval: 3060.00 ft (KB) To 3134.00 ft (KB) (TVD)	1775.00 ft (CF)
Total Depth: 3134.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 6999	Outside
Press@RunDepth: 50.26 kPag @ 3129.06 ft (KB)	Capacity: 5000.00 kPag
Start Date: 2014.08.02	End Date: 2014.08.02
Start Time: 12:38:00	End Time: 17:19:00
	Last Calib.: 2014.08.02
	Time On Btm: 2014.08.02 @ 13:57:30
	Time Off Btm: 2014.08.02 @ 16:17:00

TEST COMMENT: 1st Open 30 minutes Weak building blow buit to 1 inch into a 5 gallon bucket of w ater.
 1st Shut in 30 minutes No blow back
 2nd Open 30 minutes Weak blow buit to 1 inch.
 2nd Shut in 45 minutes.No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (kPag)	Temp (deg C)	Annotation
0	1487.71	100.75	Initial Hydro-static
1	46.37	100.49	Open To Flow (1)
31	49.15	102.40	Shut-in(1)
61	91.14	103.99	End Shut-in(1)
62	46.43	104.01	Open To Flow (2)
93	50.26	105.29	Shut-in(2)
138	101.11	106.66	End Shut-in(2)
140	1434.01	105.64	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

Gas Rates			
	Choke (inches)	Pressure (kPag)	Gas Rate (Mcf/d)

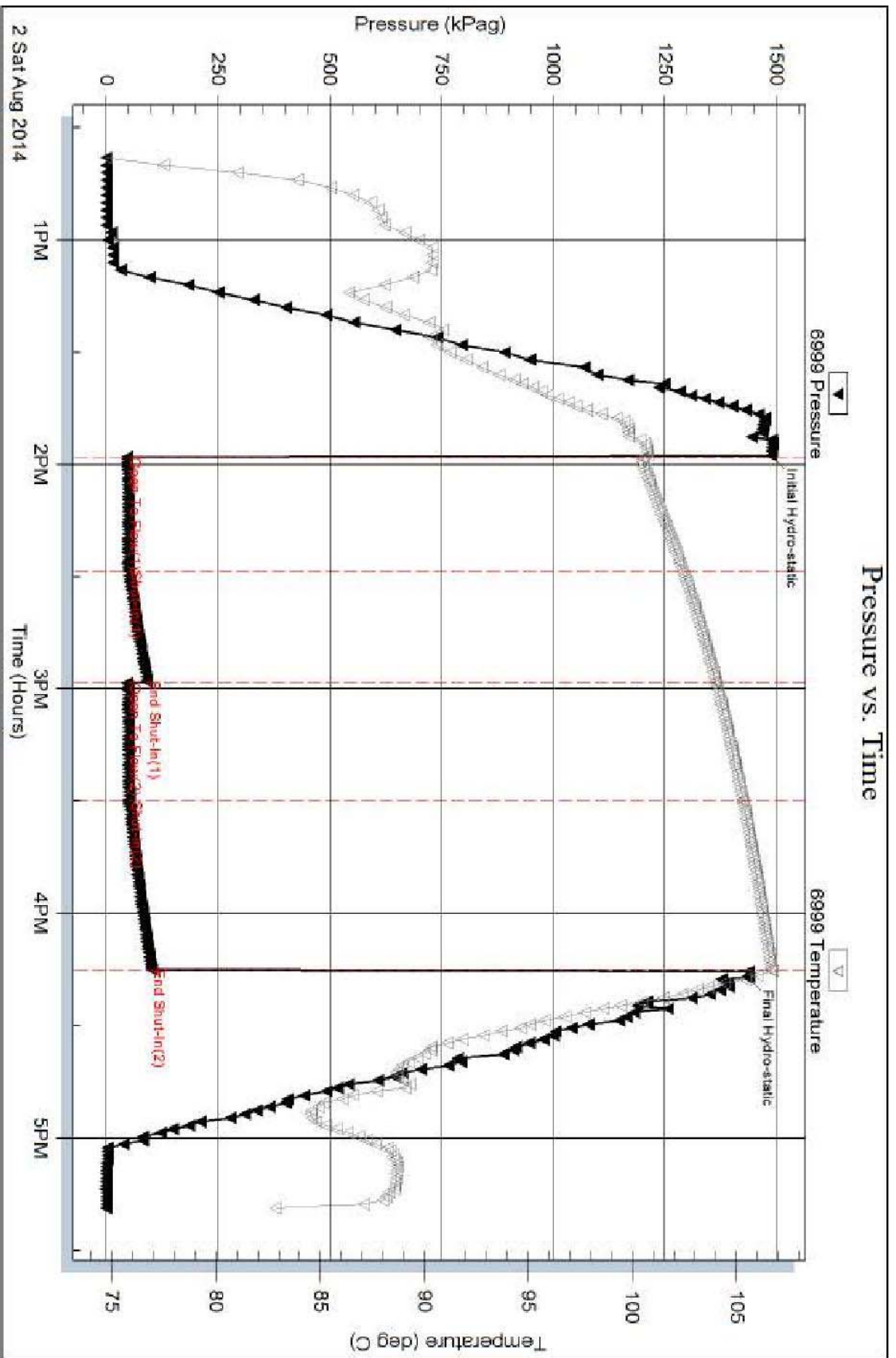
DST # 2 PRESSURE VS TIME CHART

Serial #: 6999

Outside: Carle Exploration and Development

Braynt C-1

DST Test Number: 2

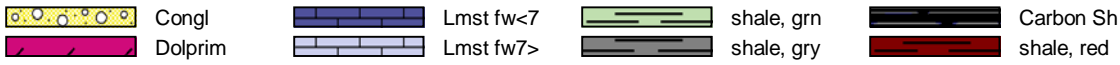


Triobite Testing, Inc

Ref. No: 60302

Printed: 2014.08.06 @ 11:02:24

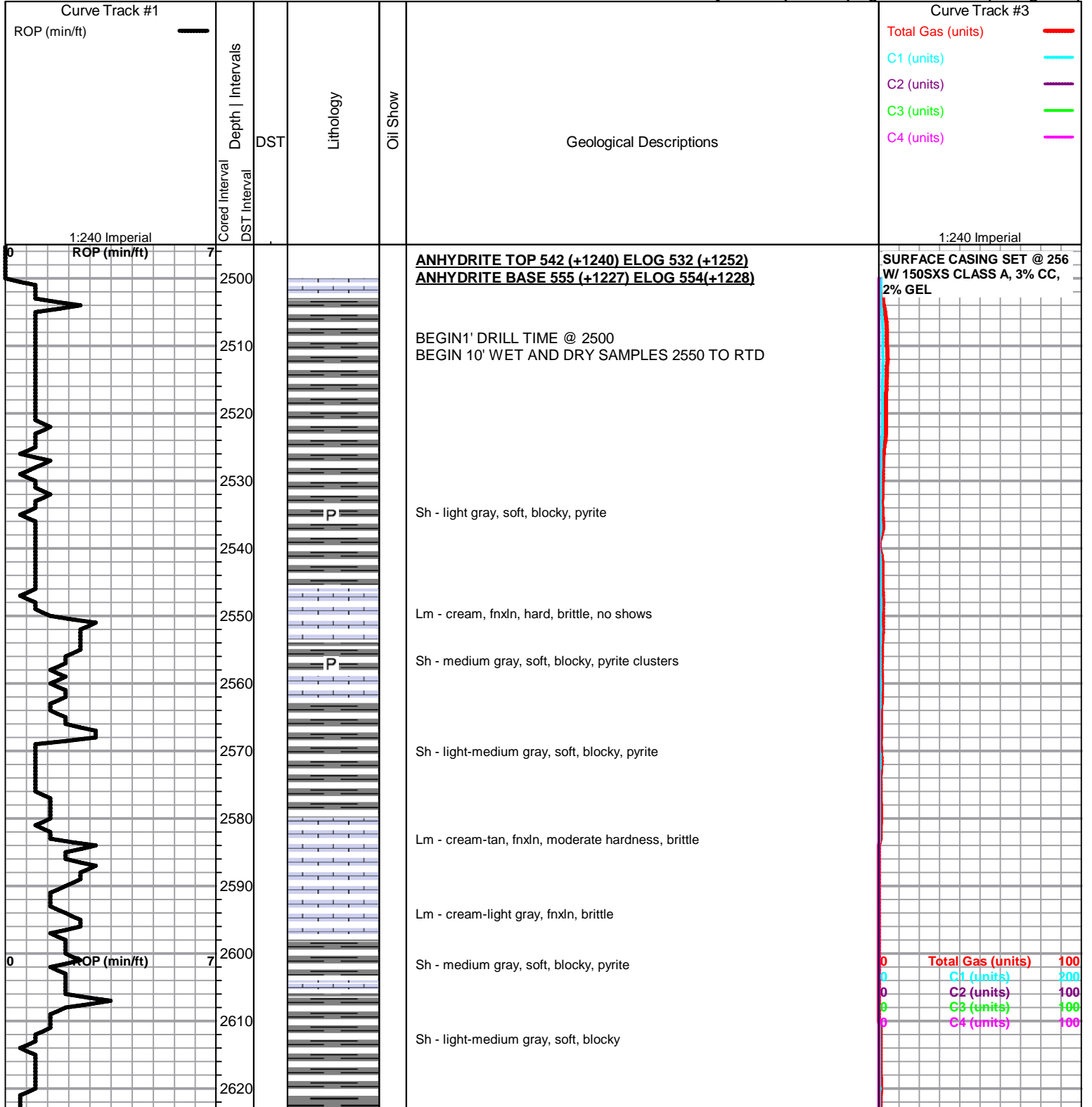
ROCK TYPES

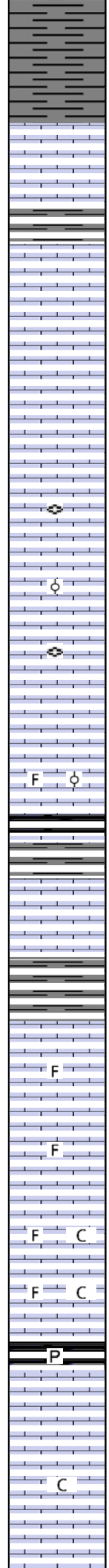
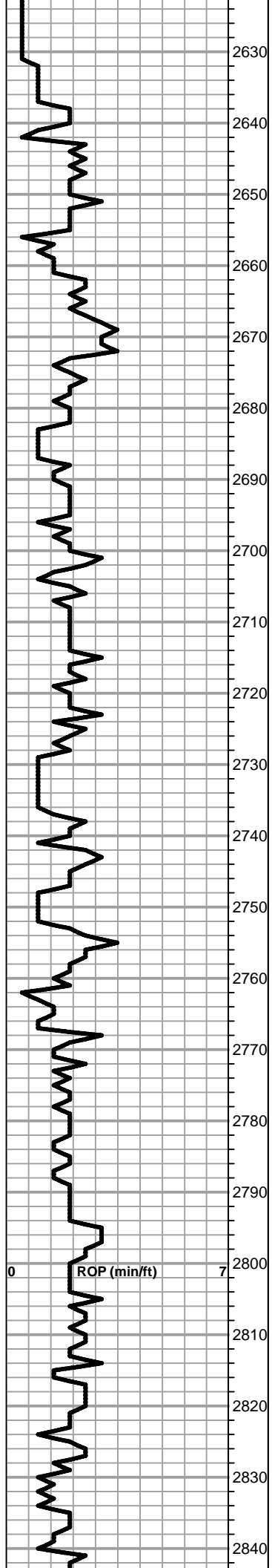


ACCESSORIES



Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)





Sh - medium gray, soft, blocky, earthy

TOPEKA SPL 2637 (-855) ELOG 2639 (-857)

Lm - cream, fn-medxn, hard, brittle

Sh - dark gray, soft, fissile

Lm - cream-tan, fnxn, dense, brittle

Lm - tan-light gray, fnxn, dense, hard

Lm - light gray, fn-medxn, brittle, no shows

Lm - tan, fnxn, hard, fusulinids

Lm - tan-light brown, fnxn, slightly oolitic, poorly developed, hard, brittle

Lm - light brown-medium gray, vfxn, dense, hard, fusulinids

Lm - tan-light gray, vfxn, dense, hard, brittle

Lm - light gray-medxn, slightly fossiliferous, slightly oolitic, friable, no shows

Sh - black, carbonaceous, fissile, waxy

Sh - light-medium gray, soft, blocky

Lm - cream, fnxn, dense, well cemented, very hard

Sh - medium gray, soft, blocky

Lm - tan-light brown, fnxn, brittle, fossiliferous in part

Lm - light brown-light gray, mottled, slightly fossiliferous, hard, brittle, no shows

Lm - tan-medium brown, fnxn, slightly fossiliferous, well cemented, dense, hard, slightly chalky

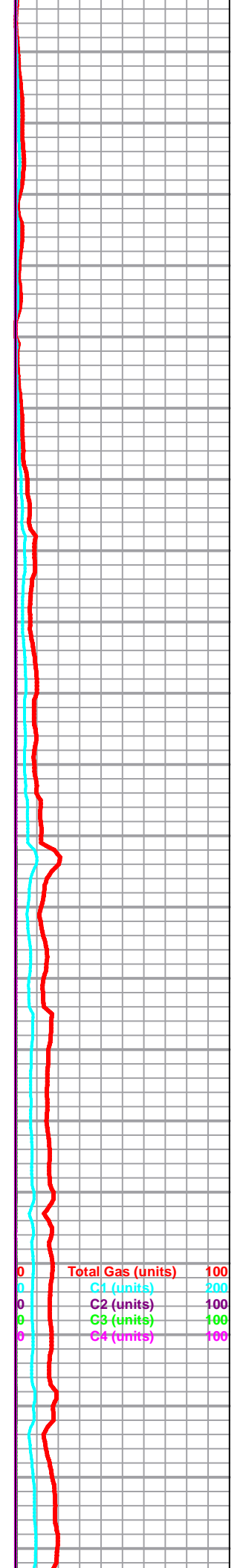
Lm - tan-cream, fnxn, slightly fossiliferous, hard, slightly chalky, no shows

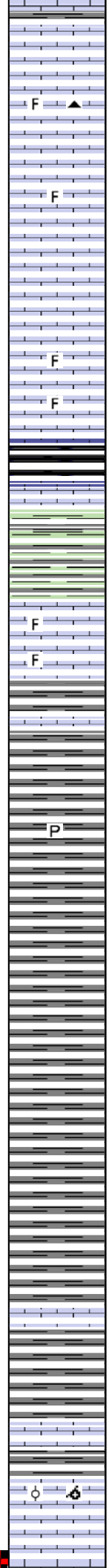
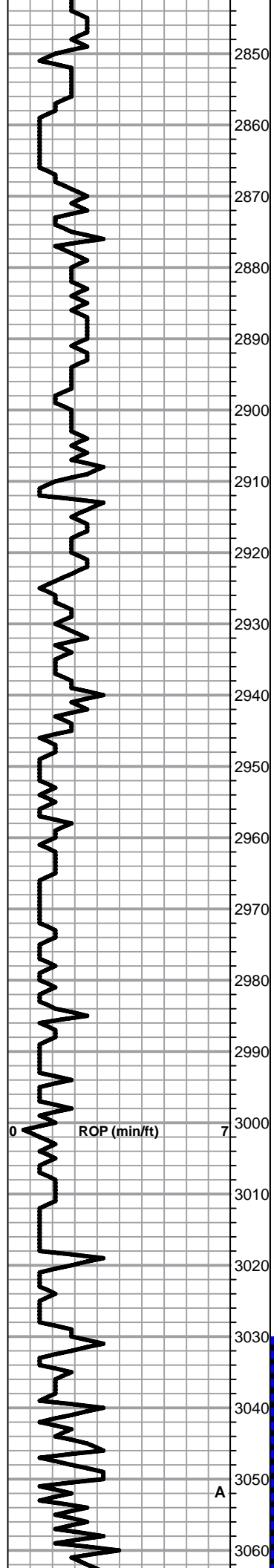
Sh - black, carbonaceous, soft, waxy, fissile, bronze specks, pyrite

Lm - tan-light brown, fnxn, brittle, bedded chalk in part

Lm - tan-cream, medxn to granular, limited hardness, slightly chalky

Lm - cream-light brown, fnxn, hard, slightly fossiliferous, well cemented, bedded chalk in part





Lm - tan-light brown, mottled, fnxln, dense, hard, bedded chalk

F ▲ Lm - light gray with black fossil clasts, dense, very hard, black chert

F Lm - tan, fnxln, fossiliferous, dense, hard, no visible porosity, bedded chalk

Lm - cream-tan, fn-medxln, hard, brittle, bedded chalk

F Lm - cream, fnxln, hard, brittle, slightly fossiliferous, bedded chalk

F Lm - tan, fnxln, hard, brittle, bedded chalk, fossiliferous

HEEBNER SPL 2908 (-1126) ELOG 2904 (-1123)
 Sh - black, carbonaceous, firm, waxy

Sh - greenish/gray, soft, blocky

Sh - A/A, forming sticky clumps

TORONTO SPL 2930 (-1148) ELOG 2928 (-1146)
 Lm - offwhite, fossiliferous, scattered dark gilsonitic stain, NSFO, no odor

F D Lm - offwhite-tan, fossiliferous, granular, firm, no shows, bedded chalk

F Lm - offwhite-tan, fossiliferous, granular, firm, no shows, bedded chalk

DOUGLAS SH SPL 2945 (-1163) ELOG 2938 (-1156)

Sh - light gray, soft, blocky, gritty, silty

P Sh - light-medium gray, firm, blocky, earthy, gritty, pyrite

Sh - medium gray, soft, blocky, silty

Sh - medium-dark gray, soft, blocky, silty

Sh - medium gray with black specks, earthy, gritty

Sh - light gray, firm, blocky, earthy, gritty

Sh - light-medium gray, sandy with micaceous specks, firm

BROWN LIME SPL 3028 (-1246) ELOG 3024 (-1242)
 Lm - medium brown, vfxln, dense, hard

Sh - light gray, soft, blocky, forming sticky clumps

LKC SPL 3047 (-1265) ELOG 3048 (-1266)
 Lm - cream-tan, oolitic/oomoldic, some with fine interxln porosity, slight dark brown stain, good odor, NSFO

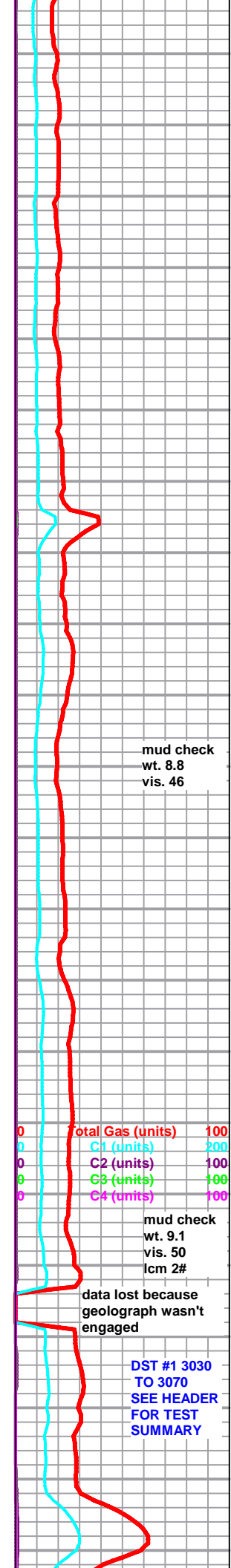
mud check
wt. 8.8
vis. 46

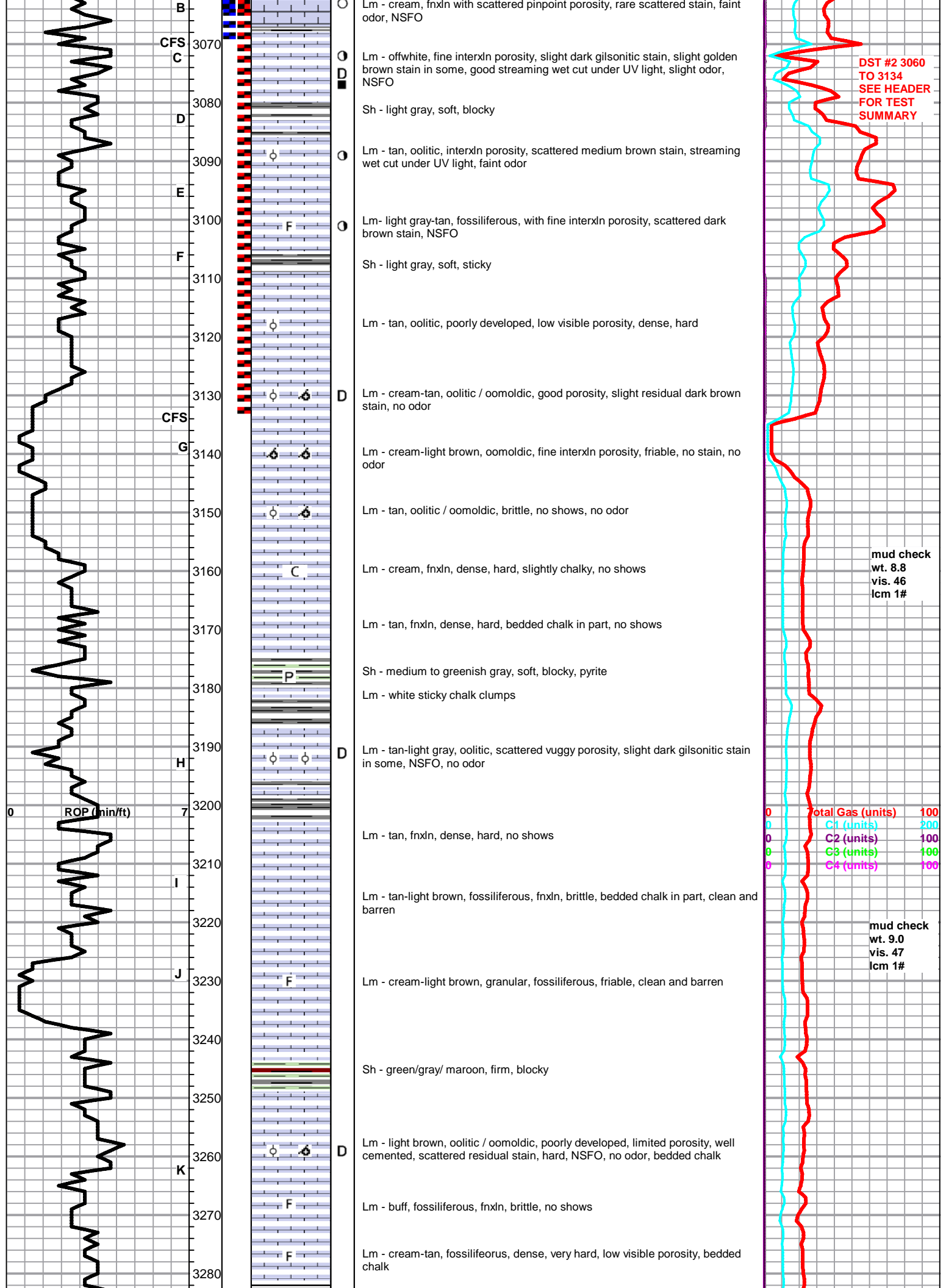
0	Total Gas (units)	100
0	C1 (units)	200
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

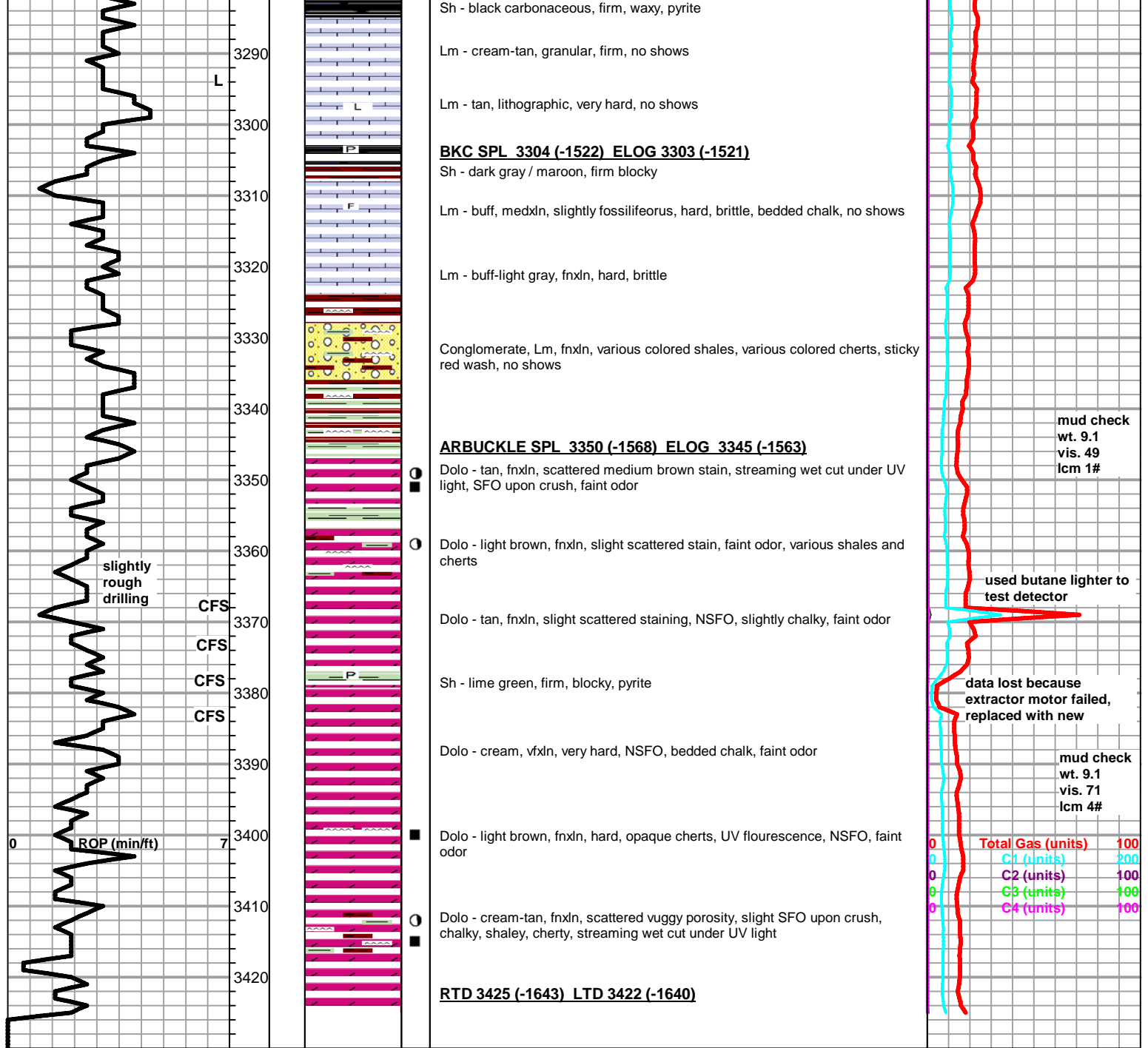
mud check
wt. 9.1
vis. 50
lcm 2#

data lost because
geolograph wasn't
engaged

DST #1 3030
TO 3070
SEE HEADER
FOR TEST
SUMMARY







mud check
wt. 9.1
vis. 49
lcm 1#

used butane lighter to
test detector

data lost because
extractor motor failed,
replaced with new

mud check
wt. 9.1
vis. 71
lcm 4#

0	Total Gas (units)	100
0	C1 (units)	200
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144901
Invoice Date: Aug 4, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

C pd # 4841 8-23-14

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

Customer ID	Field Ticket #	Payment Terms	
Carrie	63504	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Great Bend	Aug 4, 2014	9/3/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Bryant C #1	17.90	537.00
30.00	CEMENT MATERIALS	Class A Common	9.35	187.00
20.00	CEMENT MATERIALS	Pozmix	0.50	86.00
172.00	CEMENT MATERIALS	Gel	23.50	3,525.00
150.00	CEMENT MATERIALS	ASC	0.98	735.00
750.00	CEMENT MATERIALS	Kol Seal	18.90	680.40
36.00	CEMENT MATERIALS	FL-160	9.80	166.60
17.00	CEMENT MATERIALS	Defoamer	18.90	113.40
6.00	CEMENT MATERIALS	FL-160	1.27	635.00
500.00	CEMENT MATERIALS	DV-1100	2.48	612.98
247.17	CEMENT SERVICE	Cubic Feet Charge	2.75	528.14
192.05	CEMENT SERVICE	Ton Mileage Charge	2,558.75	2,558.75
1.00	CEMENT SERVICE	Production	7.70	138.60
18.00	CEMENT SERVICE	Pump Truck Mileage	275.00	275.00
1.00	CEMENT SERVICE	Manifold Head Rental	4.40	79.20
18.00	CEMENT SERVICE	Light Vehicle Mileage	57.00	399.00
7.00	EQUIPMENT SALES	5-1/2 Centralizer	395.00	395.00
1.00	EQUIPMENT SALES	5-1/2 Basket	650.00	650.00
1.00	EQUIPMENT SALES	5-1/2 Float Collar	281.00	281.00
1.00	EQUIPMENT SALES	5-1/2 Guide Shoe	85.00	85.00
1.00	EQUIPMENT SALES	5-1/2 Rubber Plug		

Cement 5 1/2

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 3,167.02

ONLY IF PAID ON OR BEFORE
Sep 3, 2014

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

ALLIED OIL & GAS SERVICES, LLC 063504

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Greenwood

DATE <i>2-4-14</i>	SEC <i>12</i>	TWP <i>19</i>	RANGE <i>11</i>	CALLED OUT	ON LOCATION <i>12 AM</i>	JOB START <i>8:00 AM</i>	JOB FINISH <i>9 AM</i>
LEASE <i>Brjart</i>		WELL# <i>C-1</i>		LOCATION <i>Ellenwood E to Colton - 4 1/2 W</i>		COUNTY <i>Barton</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)				W:G:O			

CONTRACTOR *Southwind #2*
 TYPE OF JOB *Production*
 HOLE SIZE _____ T.D. _____
 CASING SIZE *5 1/2* DEPTH *3421.76*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT *25124*
 CEMENT LEFT IN CSG. *25.24*
 PERFS. _____
 DISPLACEMENT *30.83 bbl freshwater*

OWNER _____
 CEMENT
 AMOUNT ORDERED *150 sks ASC 2 1/2 gal*
10 r. salt 6% gyp 5# Kobi 3E 160 .14 DF
50 sks 6 1/4 4% gel
 COMMON *30* @ *17.90* *537.00*
 POZMIX *20* @ *9.35* *187.00*
 GEL *172* @ *.50* *86.00*
 CHLORIDE @ _____
 ASC *150 sks* @ *23.50* *3,525.00*
Kalscaj 750 @ *.98* *735.00*
F1-160 34 @ *18.90* *640.60*
DF 17 @ *9.80* *166.60*
F1-160 6 @ *18.90* *113.40*
DU 1100 500 @ *1.27* *635.00*
Materials Total 6,665.00
@ Disc 25% 1,666.25
 Service _____
 HANDLING *247.17 x* @ *2.48* *612.98*
 MILEAGE *10.67 x 18* @ *2.75* *528.16*

EQUIPMENT

PUMP TRUCK CEMENTER *Josh Isaac*
 # *397* HELPER *Brian Lang*
 BULK TRUCK
 # *603* DRIVER *Zob Schwaller*
 BULK TRUCK
 # _____ DRIVER *Kevin Eddy*

REMARKS:

on location - Rig up - had safety meeting
run 5 1/2 drill pipe - break circulation & required
pump 10 bbl Bulloo - 5 bbl freshwater
plug BH & MH
mix 150 sks ASC 2 1/2 gal 10% salt 6% gyp 5# Kobi 3E 160
Drop plug
Displace 30.83 bbl freshwater
Land plug 1200 psi - Rig down 8:15 AM

DEPTH OF JOB _____
 PUMP TRUCK CHARGE *2558.25*
 EXTRA FOOTAGE @ _____
 MILEAGE *Hum 18* @ *7.70* *138.60*
 MANIFOLD *Head* @ *275.00* *275.00*
Hum 18 @ *4.40* *79.20*

CHARGE TO: *Curie Exploration*
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL *4,192.69*
Disc 25% 1,048.17

PLUG & FLOAT EQUIPMENT

Dr-1100
7 Centralizers @ *57.00* *399.00*
1 Basket @ *395.00* *395.00*
Float collar @ *650.00* *650.00*
Guide shoe @ *281.00* *281.00*
Rubber plug @ *85.00* *85.00*

TOTAL *1,810.00*
Disc 25% 452.50

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES *12,668.09*
25% Disc 3,167.02 (25/25/25)
 DISCOUNT _____ IF PAID IN 30 DAYS
 \$ *9,501.07*

PRINTED NAME *X William Sanders*
 SIGNATURE *X William Sanders*
 Thank you!!



Need to scan

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144752
Invoice Date: Jul 29, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Carrie	63563	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Jul 29, 2014	8/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Bryant C #1		
150.00	CEMENT MATE	Class A Common	17.90	2,685.00
282.00	CEMENT MATE	Gel	0.50	141.00
423.00	CEMENT MATE	Chloride	1.10	465.30
162.20	CEMENT SERVI	Cubic Feet Charge	2.48	402.26
1.00	CEMENT SERVI	Ton Mileage Charge	380.00	380.00
1.00	CEMENT SERVI	Surface	1,512.25	1,512.25
18.00	CEMENT SERVI	Pump Truck Mileage	7.70	138.60
18.00	CEMENT SERVI	Light Vehicle Mileage	4.40	79.20
1.00	EQUIPMENT OF	Kevin Eddy		
1.00	OPERATOR AS	Bryan Lang		
1.00	OPERATOR AS	Kevin Weighous		
1.00	CEMENT SUPEI	Charles Kinyon		

*8-13-14
4833*

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1,450.90

ONLY IF PAID ON OR BEFORE

Aug 28, 2014

Subtotal	5,803.61
Sales Tax	235.33
Total Invoice Amount	6,038.94
Payment/Credit Applied	
TOTAL	6,038.94

\$ 4,588.04

ALLIED OIL & GAS SERVICES, LLC 063563

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>07-29-14</u>	SEC. <u>12</u>	TWP. <u>19</u>	RANGE <u>11</u>	CALLED OUT <u>9:00pm</u>	ON LOCATION <u>10:30</u>	JOB START <u>11:30pm</u>	JOB FINISH <u>12:00am</u>
LEASE <u>BRYANT</u>		WELL # <u>C-1</u>		LOCATION <u>Ellinwood East of county</u>		COUNTY <u>Barton</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>Line 4 1/2 N wintg</u>			

CONTRACTOR southwind 2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 257'

CASING SIZE 8 5/8 23 485 DEPTH 258'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. Fifteen FT

PERFS. _____

DISPLACEMENT 15 BBL H2O

EQUIPMENT

OWNER _____

CEMENT

AMOUNT ORDERED 150 SXS CLASS A

3% cc 2% Gel

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2,685.00</u>
POZMIX		@		
GEL	<u>282</u>	@	<u>.50</u>	<u>141.00</u>
CHLORIDE	<u>423</u>	@	<u>1.10</u>	<u>465.30</u>
ASC		@		
<u>Materials Total</u>			@	<u>3,291.30</u>
<u>Disc</u>			@	<u>25%</u>
<u>Service</u>			@	
HANDLING	<u>162.20</u>	@	<u>2.48</u>	<u>402.35</u>
MILEAGE	<u>7.40 x 18x</u>	@	<u>2.75</u>	<u>366.30</u>
				<u>380.00</u>

PUMP TRUCK CEMENTER Kevin Eddy

597 HELPER Bryan Lang

BULK TRUCK

599 DRIVER Kevin Weighans

BULK TRUCK

_____ DRIVER Charles Kinlyon

REMARKS:

Rig Ran 258 foot 8 5/8 casing Brake
circ with Rig mud Pump 5BBLs H2O
mixed 150 SXS Class A 2% cc 2% Gel
Displaced 15 BBLs H2O shut in cement
Did circ.

DEPTH OF JOB 257

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ _____

MILEAGE Hum 18 @ 7.70 138.60

MANIFOLD @ _____

Hum 18 @ 4.40 79.30

CHARGE TO: Carrie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2,512.30
Disc 25% 628.07

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

0% TOTAL 0

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME William Sandberg

SIGNATURE William Sandberg

SALES TAX (If Any) _____

TOTAL CHARGES 5,803.60

DISCOUNT 25% 1,450.90 (25/25/0) IF PAID IN 30 DAYS

4,352.70



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144901

Invoice Date: Aug 4, 2014

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 1

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

Customer ID	Field Ticket #	Payment Terms	
Carrie	63504	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Great Bend	Aug 4, 2014	9/3/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Bryant C #1		
30.00	CEMENT MATERIALS	Class A Common	17.90	537.00
20.00	CEMENT MATERIALS	Pozmix	9.35	187.00
172.00	CEMENT MATERIALS	Gel	0.50	86.00
150.00	CEMENT MATERIALS	ASC	23.50	3,525.00
750.00	CEMENT MATERIALS	Kol Seal	0.98	735.00
36.00	CEMENT MATERIALS	FL-160	18.90	680.40
17.00	CEMENT MATERIALS	Defoamer	9.80	166.60
6.00	CEMENT MATERIALS	FL-160	18.90	113.40
500.00	CEMENT MATERIALS	DV-1100	1.27	635.00
247.17	CEMENT SERVICE	Cubic Feet Charge	2.48	612.98
192.05	CEMENT SERVICE	Ton Mileage Charge	2.75	528.14
1.00	CEMENT SERVICE	Production	2,558.75	2,558.75
18.00	CEMENT SERVICE	Pump Truck Mileage	7.70	138.60
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
18.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	79.20
7.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	399.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
1.00	EQUIPMENT SALES	5-1/2 Float Collar	650.00	650.00
1.00	EQUIPMENT SALES	5-1/2 Guide Shoe	281.00	281.00
1.00	EQUIPMENT SALES	5-1/2 Rubber Plug	85.00	85.00

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,167.02

ONLY IF PAID ON OR BEFORE
Sep 3, 2014

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144901

Invoice Date: Aug 4, 2014

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 2

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

Customer ID	Field Ticket #	Payment Terms	
Carrie	63504	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Great Bend	Aug 4, 2014	9/3/14

Quantity	Item	Description	Unit Price	Amount
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	OPERATOR ASSISTANT	Brian Lang		
1.00	OPERATOR ASSISTANT	Zeb Schwaller		
1.00	CEMENT SUPERVISOR	Kevin Eddy		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,167.02

ONLY IF PAID ON OR BEFORE
Sep 3, 2014

Subtotal	12,668.07
Sales Tax	605.99
Total Invoice Amount	13,274.06
Payment/Credit Applied	
TOTAL	13,274.06

8/10/14

ALLIED OIL & GAS SERVICES, LLC 063504

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Greenland

DATE <u>2-4-14</u>	SEC. <u>12</u>	TWP. <u>19</u>	RANGE <u>11</u>	CALLED OUT	ON LOCATION <u>12 AM</u>	JOB START <u>8:00 AM</u>	JOB FINISH <u>9 AM</u>
LEASE <u>Greyst</u>		WELL # <u>C-1</u>		LOCATION <u>Ellenwood E to Colton - 4 1/2 W</u>		COUNTY <u>Barton</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				W:ATO			

CONTRACTOR Southeast #2

TYPE OF JOB Production

HOLE SIZE	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH <u>3421.76</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>25.24</u>
CEMENT LEFT IN CSG. <u>25.24</u>	
PERFS.	
DISPLACEMENT <u>30.53 bbl freshwater</u>	

OWNER _____

CEMENT

AMOUNT ORDERED 150 sks ASC 2 1/2 gal
10% salt 6% gyp 5# Kahl 3E 160 .14% DF
50 sks 6 1/4" 4" gel

COMMON	<u>30</u>	@ <u>17.90</u>	<u>537.00</u>
POZMIX	<u>20</u>	@ <u>9.35</u>	<u>187.00</u>
GEL	<u>172</u>	@ <u>.50</u>	<u>86.00</u>
CHLORIDE		@	
ASC	<u>150 sks</u>	@ <u>23.50</u>	<u>3,525.00</u>
Kahl Sec)	<u>750</u>	@ <u>.98</u>	<u>735.00</u>
F1-160	<u>36</u>	@ <u>18.90</u>	<u>680.40</u>
DF	<u>17</u>	@ <u>9.80</u>	<u>166.60</u>
F1-160	<u>6</u>	@ <u>18.90</u>	<u>113.40</u>
DU 1100	<u>500</u>	@ <u>1.27</u>	<u>635.00</u>
<u>Materials Total</u>			<u>6,665.40</u>
			@ <u>Disc 25%</u>
			<u>1,666.35</u>
<u>Service</u>			
HANDLING	<u>247.17 x</u>	@ <u>2.48</u>	<u>612.98</u>
MILEAGE	<u>10.67 x 18</u>	@ <u>2.75</u>	<u>528.16</u>

REMARKS:

on location - Rig up - had safety meeting
run 5 1/2 drill pipe - break circulation at righead
pump 10 bbl Dulloo - 5 bbl freshwater
plug BH + MH
mix 150 sks ASC 2 1/2 gal 10% salt + 6% gyp 5# Kahl 3E 160
Drop plug
Displace 30.53 bbl freshwater
Land plug 1200 psi - Rig down 8:15 AM

DEPTH OF JOB _____

PUMP TRUCK CHARGE	<u>2558.25</u>
EXTRA FOOTAGE	@ _____
MILEAGE Hum	<u>18</u> @ <u>7.70</u> <u>138.60</u>
MANIFOLD	<u>Head</u> @ <u>275.00</u> <u>275.00</u>
	<u>Hum 18</u> @ <u>4.40</u> <u>79.20</u>
	@ _____

CHARGE TO: Carrie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 4,192.69
Disc 25% 1,048.17

PLUG & FLOAT EQUIPMENT

<u>Drill Hook</u>		
<u>7 Centralizers</u>	@ <u>57.00</u>	<u>399.00</u>
<u>1 Basket</u>	@ <u>395.00</u>	<u>395.00</u>
<u>Float collar</u>	@ <u>650.00</u>	<u>650.00</u>
<u>Guide shoe</u>	@ <u>281.00</u>	<u>281.00</u>
<u>Rubber plug</u>	@ <u>85.00</u>	<u>85.00</u>

TOTAL 1,810.00
Disc 25% 452.50

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 12,668.09
25% 3,167.02 (25/25/25)
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME X William Sanders

SIGNATURE X William Sanders

Thank you!!

\$ 9,501.07