Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1204476

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 # 34686
Name: American Patriot Oil LLC
Address 1: 10940 S. PARKER RD
Address 2: SUITE 765
City: PARKER State: CO Zip: 80134 + ____
Contact Person: Doug Stewart
Phone: (720) 878-2730
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: Mark Torr
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 #:

12/27/2011	1/3/2012	2/1/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-23995-00-00
Spot Description:
S2 - NE - SW - SE Sec. 19 Twp. 6 S. R. 19 ☐ East ☑ West
700 Feet from ☐ North / ☑ South Line of Section
1650 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: Rooks
Lease Name: CARPENTER Well #: 1
Field Name:
Producing Formation: Regan Sand
Elevation: Ground: 2102 Kelly Bushing: 2109
Total Vertical Depth: 3665 Plug Back Total Depth: 3665
Amount of Surface Pipe Set and Cemented at: 240 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: 37000 ppm Fluid volume: 700 bbls
Dewatering method used: Evaporated
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:** Deanna Garrison **Date:** 05/29/2014

[redacted] 1204476

Operator Name: American Patriot Oil LLC Lease Name: CARPENTER Well #: 1

Sec. 19 Twp. 6 S. R. 19 ☐ East ☑ West County: Rooks

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:

Headers and Trailers
Full Composite

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

Name	Top	Datum
Regan Sand	3600	3622

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	250	common	160	3%CL 2% Gel
Production	7.875	5.50	15	3640	common	425	10% Salt 5% Gil

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
4	3600'-3622'	No acid needed	3622'

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 2/15/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	120	0	0	0	25

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:
3600-3622'

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 554

Home Office P.O. Box 32 Russell, KS 67665

Phone 785-483-2025
Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-27-11	19	6	19	Rooks	Ks		5:15 PM

Location Stockton, Ks - 6N to E Rd, 10W

Lease Carpenter Well No. 1

Owner Same

Contractor American Eagle #3

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Surface

Hole Size 12¼" T.D. 262'

Charge To KAPP Company, LLC

Csg. 8 5/8" Depth 262'

Street 10940 South Parker Rd #775

Tbg. Size Depth

City Parker State Co 80134

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 15' Shoe Joint 15'

Cement Amount Ordered 160 sx Common 3% CC 2% Gel

Meas Line Displace 15½ BLS

EQUIPMENT

Pumptrk 1	No.	Cementer	Cisco
		Helper	
Bulktrk 14	No.	Driver	Cory
		Driver	
~~Bulktrk~~ P.U.	No.	Driver	Rick
		Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

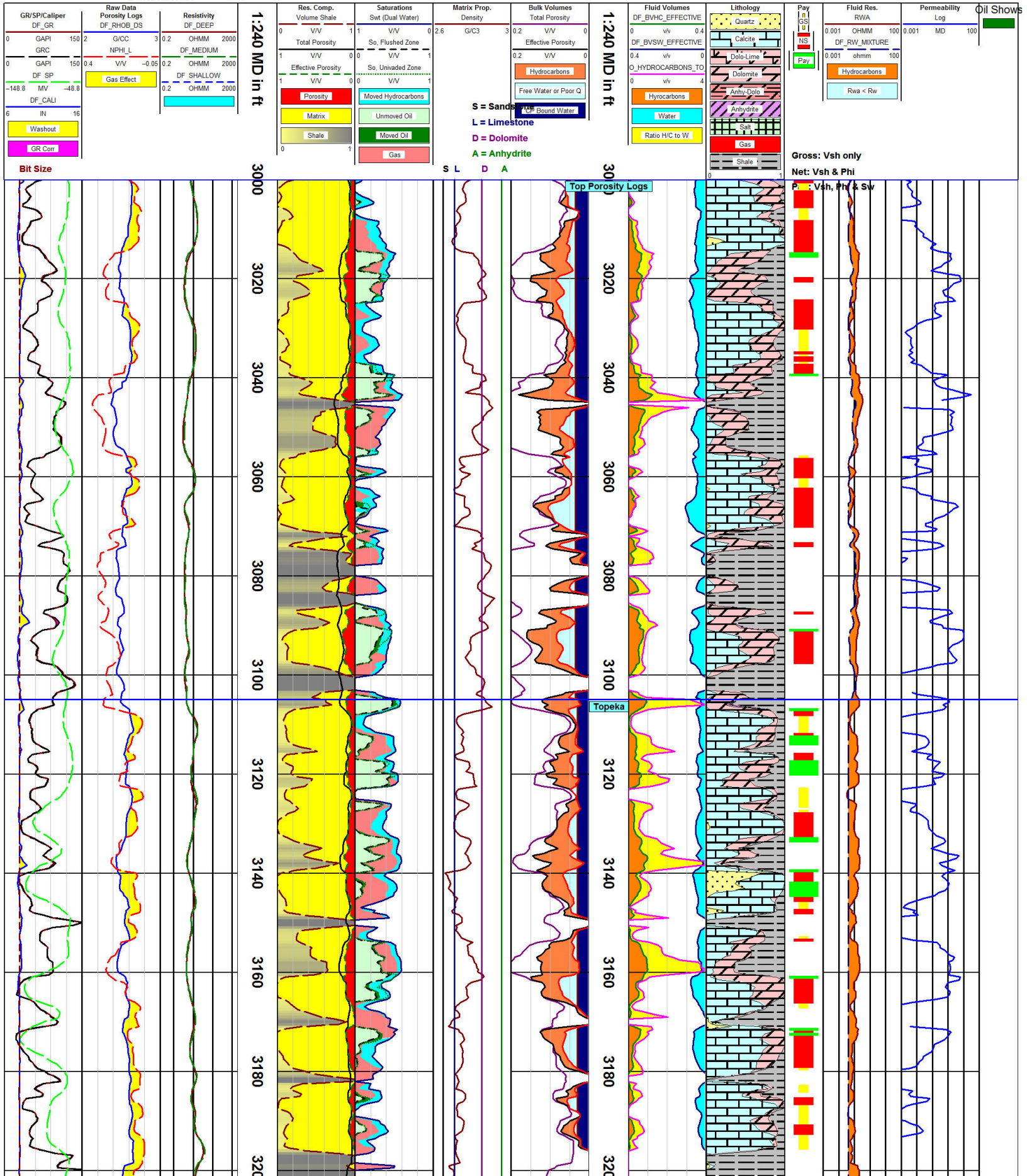
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

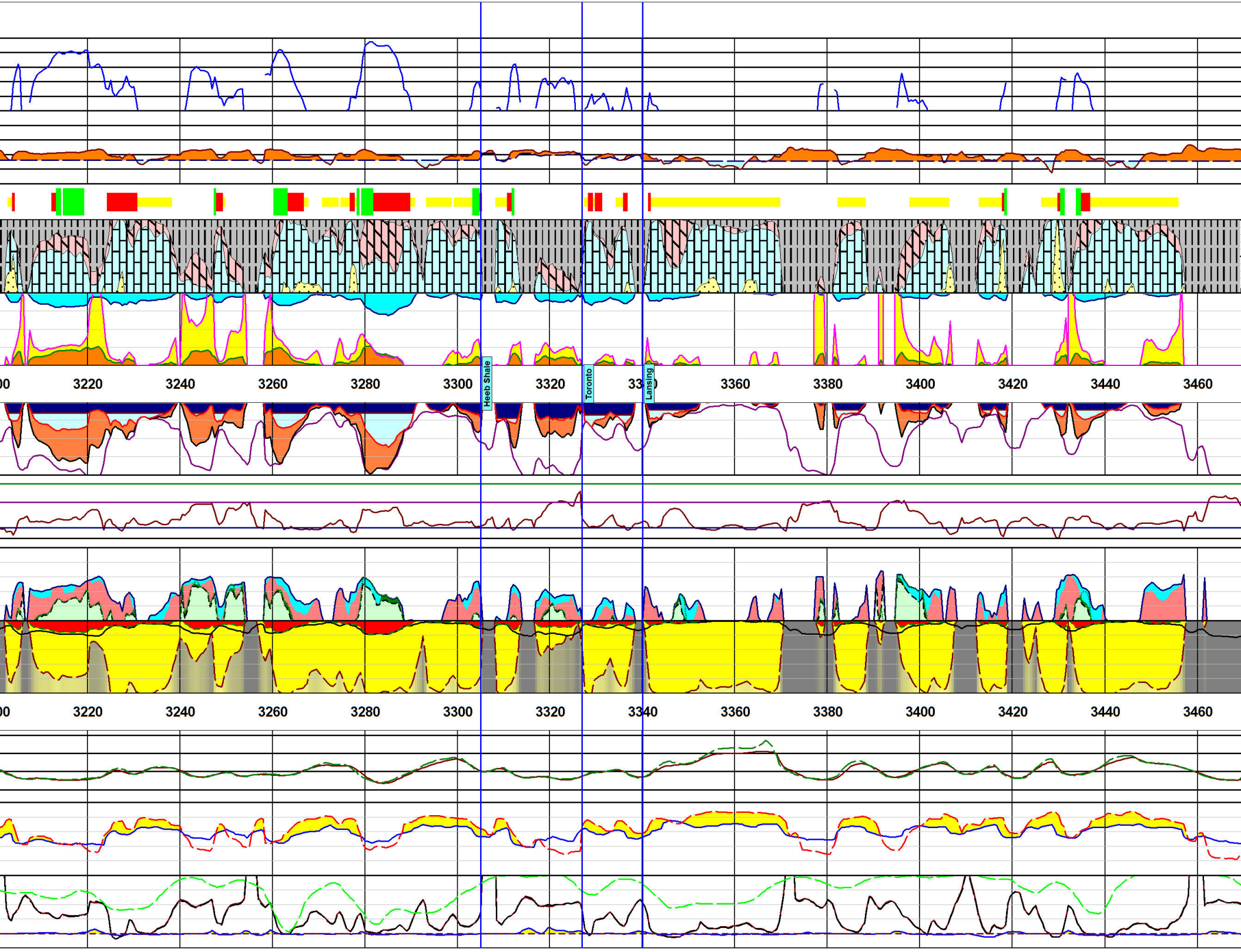
X Signature

LESA 9.6, © 1992-2012 Digital Formation, Inc.

File: Carpenter 1.lbs
Plot: L-Full Composite Log-Patriot - With Lith
Gross Interval: 250 to 3620 by 0.5 F
Ranges: Zones: Top Porosity Logs, Topeka, Heeb Shale, Toronto, Lansing, BKc, Arbuckle
3000-3105, 3105-3305, 3305-3327, 3327-3340, 3340-3550, 3550-3580, 3580-3620
Time: 02:29 PM
Date: Mon, Feb 27, 2012
Section: SECTION
Township: TOWNSHIP
API #: 15163239950000
Location: LOCATION
Range: RANGE
UWI: Unknown
Comments: N/A

Well Name: CARPENTER 1
Plot Name: L-Full Composite Log-Patriot - With Lithology

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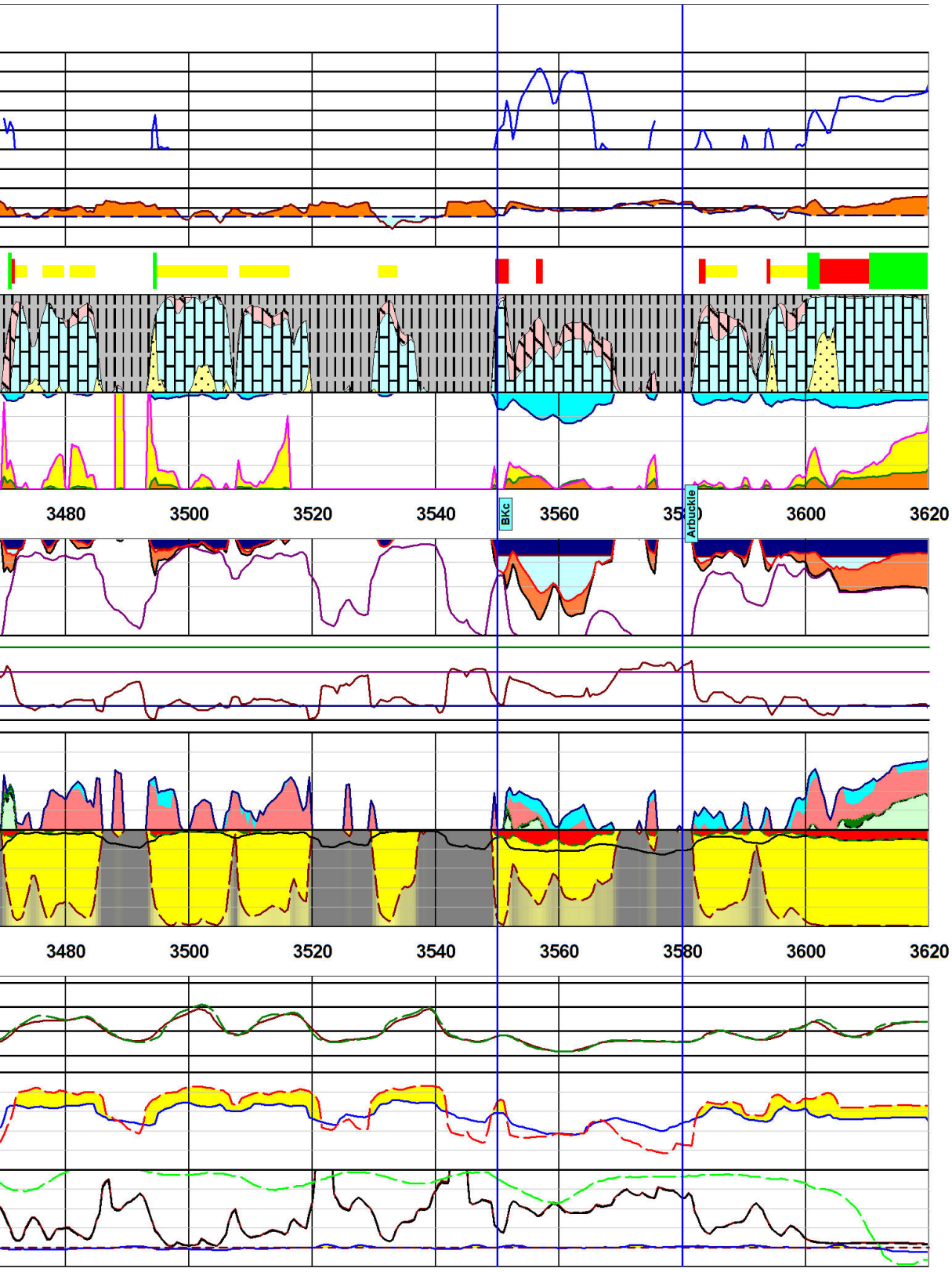
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BKc
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Arbuckle
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3580
3600
3620

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Patriot**

10940 South Parker Rd. #775
Parker, CO 80134

ATTN: Mark Torr

Carpenter #1

19-6s-19w Rooks,KS

Start Date: 2012.01.01 @ 13:07:00
End Date: 2012.01.01 @ 20:48:15
Job Ticket #: 43077 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.01.05 @ 10:23:21

American Patriot 19-6s-19w Rooks,KS Carpenter #1 DST # 1 Arbuckle 2012.01.01

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Patriot

10940 South Parker Rd. #775
Parker, CO 80134

ATTN: Mark Torr

19-6s-19w Rooks,KS

Carpenter #1

Job Ticket: 43077 **DST#: 1**

Test Start: 2012.01.01 @ 13:07:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:40:45
Time Test Ended: 20:48:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43

Interval: 3585.00 ft (KB) To 3630.00 ft (KB) (TVD)
Total Depth: 3630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

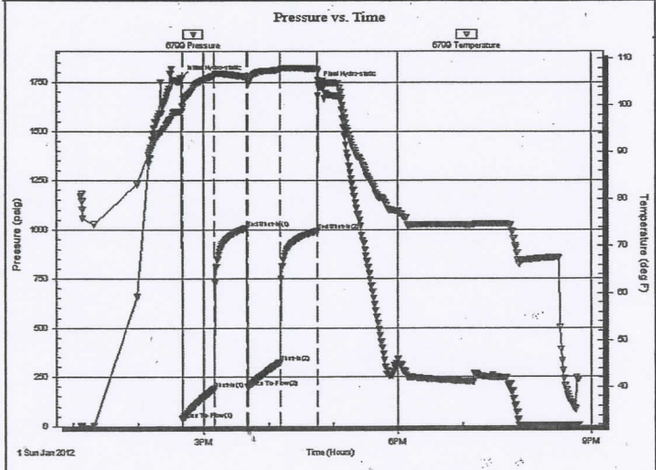
Reference Elevations: 2140.00 ft (KB)
2135.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 323.67 psig @ 3586.00 ft (KB)
Start Date: 2012.01.01 End Date: 2012.01.01
Start Time: 13:07:05 End Time: 20:48:14

Capacity: 8000.00 psig
Last Calib.: 2012.01.01
Time On Btm: 2012.01.01 @ 14:40:00
Time Off Btm: 2012.01.01 @ 16:46:00

TEST COMMENT: IF- BoB in 4 1/2 Min.
IS- Weak Surface return started at 2 1/2 min. Built to 2 1/4"
FF- BoB in 4 1/2 min.
FS- Weak Surface return started at 3 min. Built to 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.43	98.73	Initial Hydro-static
1	37.53	99.75	Open To Flow (1)
30	190.13	106.23	Shut-In(1)
60	1006.79	106.10	End Shut-In(1)
61	198.88	105.55	Open To Flow (2)
91	323.67	107.58	Shut-In(2)
125	992.08	107.78	End Shut-In(2)
126	1740.45	105.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCM 30o 70M	1.74
1371.00	Reversed oil 100o	19.23
154.00	Free oil	2.16

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Patriot

19-6s-19w Rooks,KS

10940 South Parker Rd. #775
Parker, CO 80134

Carpenter #1

Job Ticket: 43077 **DST#: 1**

ATTN: Mark Torr

Test Start: 2012.01.01 @ 13:07:00

Tool Information

Drill Pipe:	Length:	3587.00 ft	Diameter:	3.80 inches	Volume:	50.32 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	50.32 bbl	

Drill Pipe Above KB:	23.00 ft
Depth to Top Packer:	3585.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	45.00 ft
Tool Length:	66.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	ft
String Weight: Initial	54000.00 lb
Final	58000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3565.00		
Shut In Tool	5.00			3570.00		
Hydraulic tool	5.00			3575.00		
Packer	5.00			3580.00	21.00	Bottom Of Top Packer
Packer	5.00			3585.00		
Stubb	1.00			3586.00		
Recorder	0.00	8648	Inside	3586.00		
Recorder	0.00	6799	Inside	3586.00		
Perforations	5.00			3591.00		
Change Over Sub	1.00			3592.00		
Drill Pipe	31.00			3623.00		
Change Over Sub	1.00			3624.00		
Perforations	1.00			3625.00		
Bullnose	5.00			3630.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**66.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Patriot

10940 South Parker Rd. #775
Parker, CO 80134

ATTN: Mark Torr

19-6s-19w Rooks,KS

Carpenter #1

Job Ticket: 43077 **DST#: 1**

Test Start: 2012.01.01 @ 13:07:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	43 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OCM 30o 70M	1.739
1371.00	Reversed oil 100o	19.232
154.00	Free oil	2.160

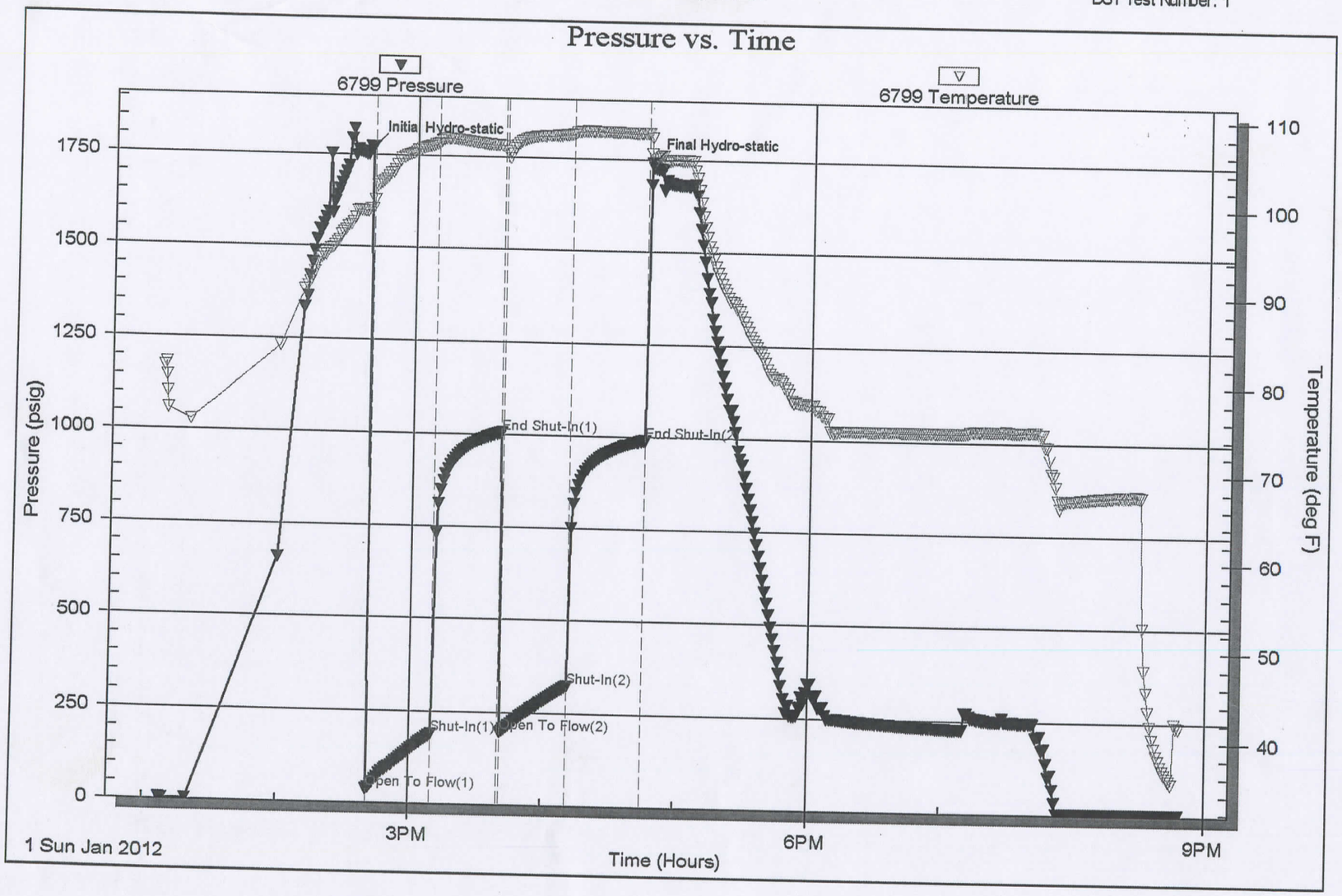
Total Length: 1649.00 ft Total Volume: 23.131 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Oil API 43@60 deg. = 43
Dumped 4 stands then reversed fluid into a truck.

Serial #: 6799 Inside American Patriot Carpenter #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 43077 Printed: 2012.01.05 @ 10:23:23