Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1150084

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 # 31930
Name: Blue Ridge Petroleum Corporation
Address 1: PO BOX 1913
Address 2:
City: ENID State: OK Zip: 73702 + 1913
Contact Person: Jonathan Allen
Phone: (580) 242-3732
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: Kim B. Shoemaker
Purchaser: NCRA

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 #:

03/16/2013	03/26/2013	04/19/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25549-00-00
Spot Description:
NE - SE - NW - NE Sec. 2 Twp. 20 S. R. 25 ☐ East ☑ West
937 Feet from ☑ North / ☐ South Line of Section
1345 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: Ness
Lease Name: HOSS Well #: 1-2
Field Name:
Producing Formation: Fort Scott
Elevation: Ground: 2392 Kelly Bushing: 2397
Total Vertical Depth: 4594 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 211 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1674 Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 1674 w/ 130 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 11800 ppm Fluid volume: 825 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: 06/29/2013
☑ **Confidential Release Date:** 06/29/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/02/2013

1150084

Operator Name: Blue Ridge Petroleum Corporation Lease Name: HOSS Well #: 1-2

Sec. 2 Twp. 20 S. R. 25 ☐ East ☑ West County: Ness

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:
Attached

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

Name: Attached Top: Attached Datum: Attached

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	24	211	Common	150	2% gel, 3% CC
Production	7.875	5.5	14	4583	EA2	145	

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	4464-68	Natural	4464-68
	CIBP @ 4661	500 gal 15% MCA	4347-51; 4362-68
4	4347-51; 4362-68	500 gal 15% MCA	4347-51; 4362-68

TUBING RECORD: Size: 2.875 Set At: 4438 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 04/19/2013

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	12	0	2		

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:
4347-51; 4362-68

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

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	HOSS 1-2
Doc ID	1150084

All Electric Logs Run

CDN
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	HOSS 1-2
Doc ID	1150084

Tops

Name	Top	Datum
Anhydrite	1666	+731
Heebner	3790	-1393
Lansing	3832	-1435
BKC	4160	-1763
Fort Scott	4346	-1949
Cherokee	4372	-1975
Mississippi	4442	-2045
Miss Dolomite	4457	-2060

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/

June 29, 2013

Jonathan Allen
Blue Ridge Petroleum Corporation
PO BOX 1913
ENID, OK 73702-1913

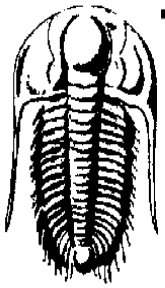
Re: ACO1
API 15-135-25549-00-00
HOSS 1-2
NE/4 Sec.02-20S-25W
Ness County, Kansas

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,
Jonathan Allen



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

Hoss #1-2

2-20s-25w Ness,KS

Start Date: 2013.03.23 @ 04:18:00
End Date: 2013.03.23 @ 11:50:15
Job Ticket #: 46898 DST #: 1

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

Printed: 2013.04.08 @ 11:25:17

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46898 **DST#: 1**

Test Start: 2013.03.23 @ 04:18:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:30
Time Test Ended: 11:50:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Sam Esparza
Unit No: 64

Interval: 4163.00 ft (KB) To 4260.00 ft (KB) (TVD)
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

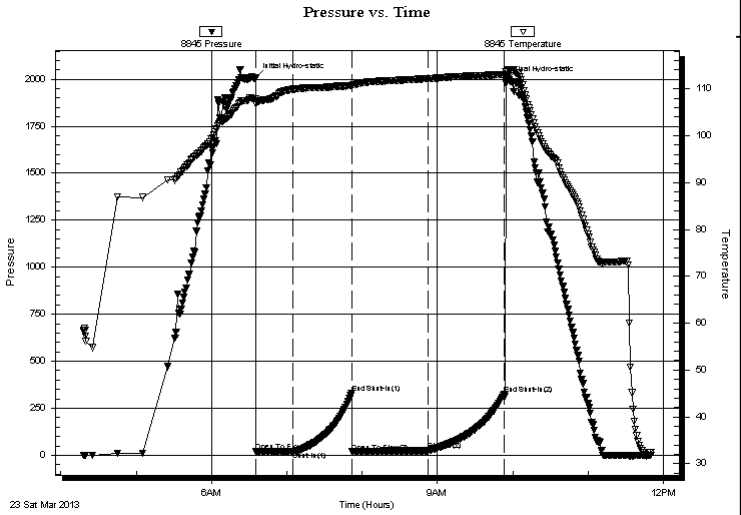
Reference Elevations: 2397.00 ft (KB)
2392.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8845 **Outside**

Press@RunDepth: 24.46 psig @ 4164.00 ft (KB)
Start Date: 2013.03.23 End Date: 2013.03.23
Start Time: 04:18:05 End Time: 11:50:14

Capacity: 8000.00 psig
Last Calib.: 2013.03.23
Time On Btm: 2013.03.23 @ 06:35:15
Time Off Btm: 2013.03.23 @ 09:54:15

TEST COMMENT: IF: 3" blow .
ISI: No return.
FF: 8 1/4" blow .
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.48	107.84	Initial Hydro-static
1	18.62	106.78	Open To Flow (1)
30	19.65	109.88	Shut-In(1)
77	329.42	110.69	End Shut-In(1)
77	17.63	110.71	Open To Flow (2)
138	24.46	112.16	Shut-In(2)
198	322.80	113.06	End Shut-In(2)
199	1992.72	113.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSGOCM 5g 5o 90m	0.42
0.00	60' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46898 **DST#: 1**

Test Start: 2013.03.23 @ 04:18:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:30
Time Test Ended: 11:50:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Sam Esparza
Unit No: 64

Interval: 4163.00 ft (KB) To 4260.00 ft (KB) (TVD)
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

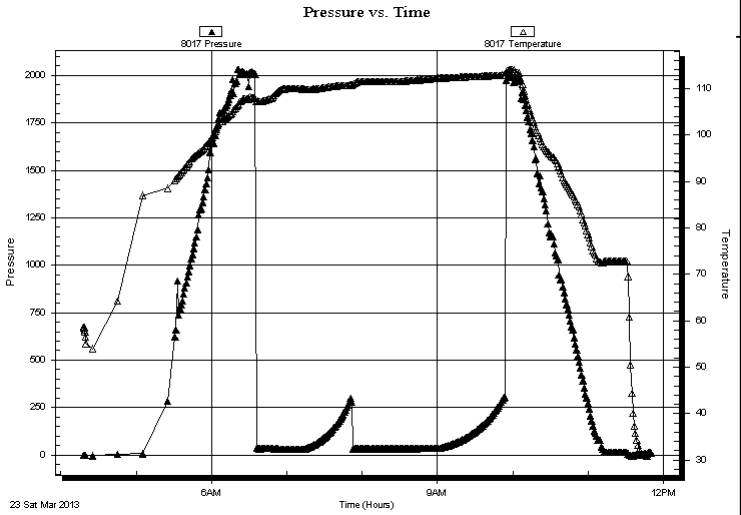
Reference Elevations: 2397.00 ft (KB)
2392.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8017 **Outside**

Press@RunDepth: psig @ 4164.00 ft (KB)
Start Date: 2013.03.23 End Date: 2013.03.23
Start Time: 04:18:05 End Time: 11:50:29

Capacity: 8000.00 psig
Last Calib.: 2013.03.23
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 3" blow .
ISI: No return.
FF: 8 1/4" blow .
FSI: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSGOCM 5g 5o 90m	0.42
0.00	60' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46898 **DST#: 1**

Test Start: 2013.03.23 @ 04:18:00

Tool Information

Drill Pipe:	Length:	4155.00 ft	Diameter:	3.80 inches	Volume:	58.28 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:		30000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	58.28 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4163.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		97.00 ft							
Tool Length:		125.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4136.00		
Shut In Tool	5.00			4141.00		
Hydraulic tool	5.00			4146.00		
Jars	5.00			4151.00		
Safety Joint	3.00			4154.00		
Packer	5.00			4159.00	28.00	Bottom Of Top Packer
Packer	4.00			4163.00		
Stubb	1.00			4164.00		
Recorder	0.00	8017	Outside	4164.00		
Recorder	0.00	8845	Outside	4164.00		
Perforations	26.00			4190.00		
Change Over Sub	1.00			4191.00		
Drill Pipe	63.00			4254.00		
Change Over Sub	1.00			4255.00		
Bullnose	5.00			4260.00	97.00	Bottom Packers & Anchor
Total Tool Length:	**125.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46898 **DST#: 1**

Test Start: 2013.03.23 @ 04:18:00

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:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

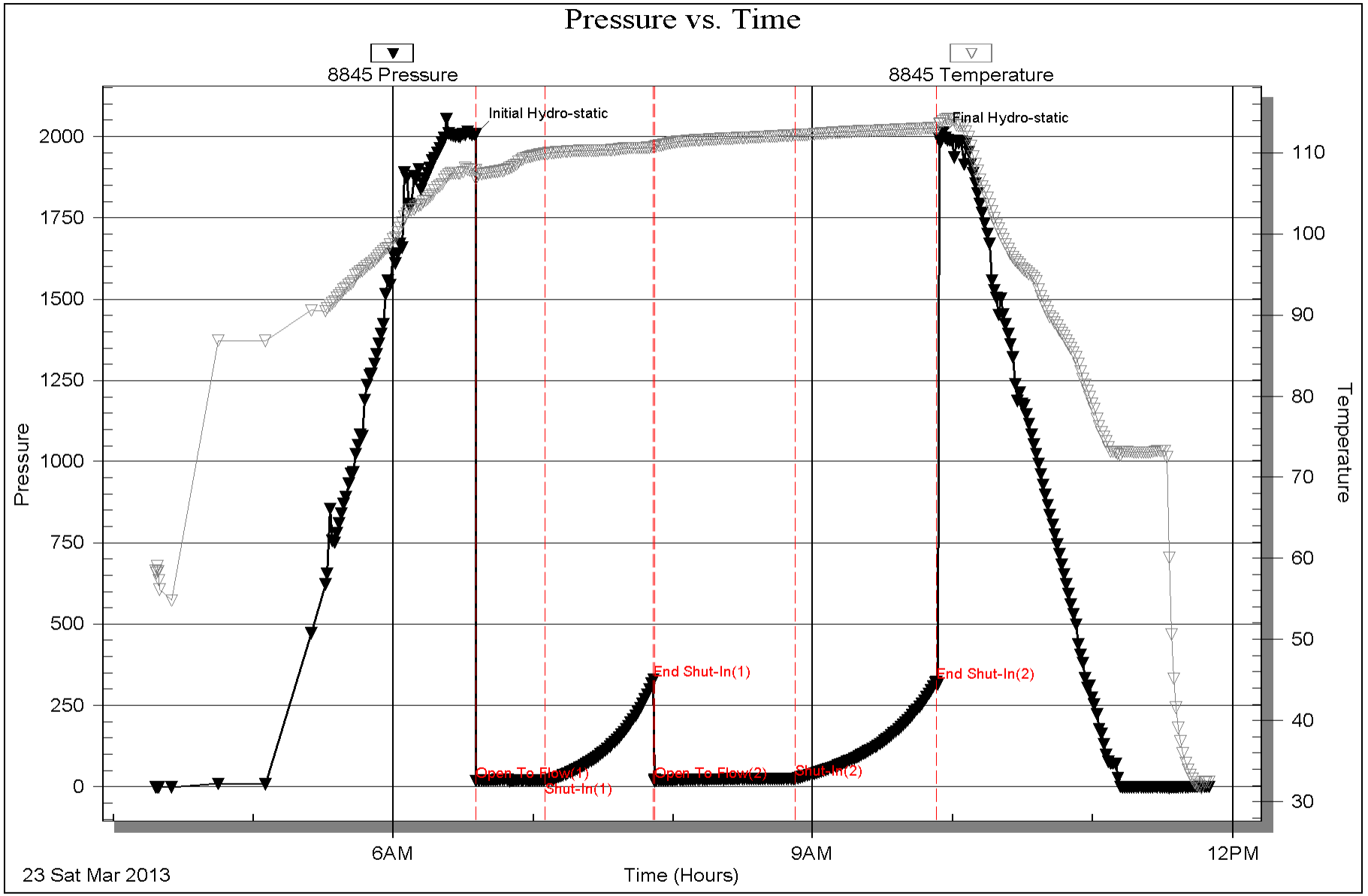
Recovery Table

Length ft	Description	Volume bbl
30.00	VSGOCM 5g 5o 90m	0.421
0.00	60' GIP	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

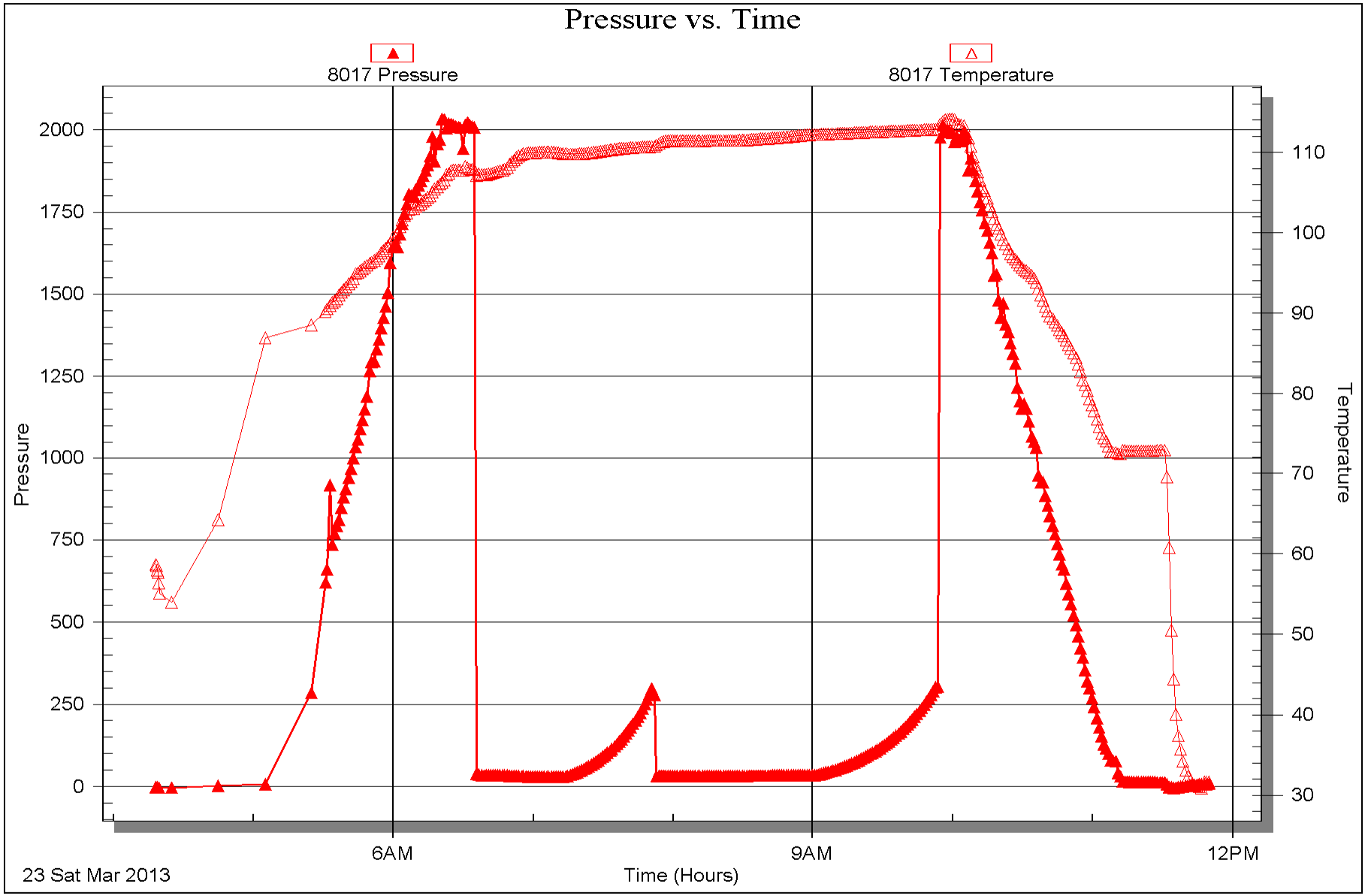
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8845 **Outside** Blue Ridge Petroleum Corp. Hoss #1-2 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 46898 Printed: 2013.04.08 @ 11:25:20

Serial #: 8017 **Outside** Blue Ridge Petroleum Corp. Hoss #1-2 DST Test Number: 1



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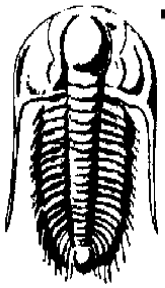


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

Hoss #1-2

2-20s-25w Ness,KS

Start Date: 2013.03.24 @ 06:34:00
End Date: 2013.03.24 @ 17:13:15
Job Ticket #: 46899 DST #: 2

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

Printed: 2013.04.08 @ 11:22:20

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46899 **DST#: 2**

Test Start: 2013.03.24 @ 06:34:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:31:15
Time Test Ended: 17:13:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Sam Esparza
Unit No: 64

Interval: 4330.00 ft (KB) To 4390.00 ft (KB) (TVD)
Total Depth: 4390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

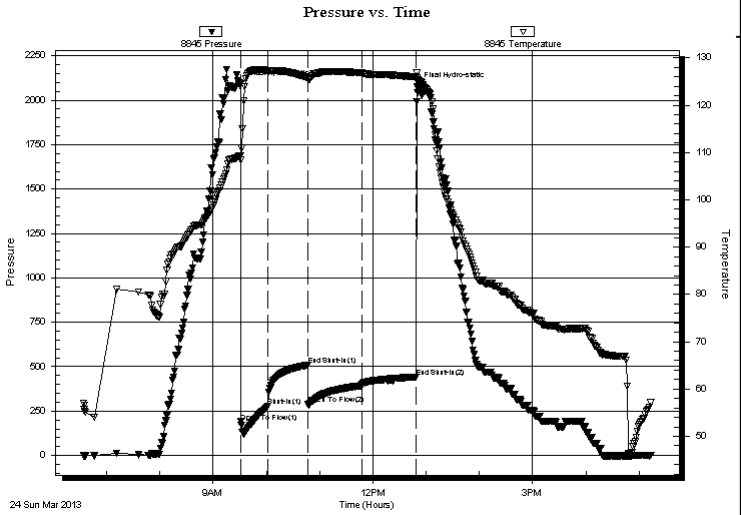
Reference Elevations: 2397.00 ft (KB)
2392.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8845 **Outside**

Press@RunDepth: 392.26 psig @ 4331.00 ft (KB)
Start Date: 2013.03.24 End Date: 2013.03.24
Start Time: 06:34:05 End Time: 17:13:15

Capacity: 8000.00 psig
Last Calib.: 2013.03.24
Time On Btm: 2013.03.24 @ 09:31:00
Time Off Btm: 2013.03.24 @ 12:50:00

TEST COMMENT: IF: BOB @ 1/2 min.
ISI: Bled off for 6 min. BOB return @ 11min.
FF: BOB immediatly. Gas to surface @ 15 min.
FSI: Bled off for 6 min. BOB return @ 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.54	109.23	Initial Hydro-static
1	189.13	108.33	Open To Flow (1)
31	276.04	127.33	Shut-In(1)
76	509.36	125.84	End Shut-In(1)
77	288.45	125.69	Open To Flow (2)
137	392.26	126.89	Shut-In(2)
198	442.08	125.95	End Shut-In(2)
199	2074.44	125.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOMCW 5g 5o 30m 60w	0.42
90.00	GWOCM 10g 10o 20w 60m	1.26
310.00	OG 40o 60g	4.35
600.00	GO 10g 90o	8.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46899 **DST#: 2**

Test Start: 2013.03.24 @ 06:34:00

Tool Information

Drill Pipe:	Length:	4312.00 ft	Diameter:	3.80 inches	Volume:	60.49 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	60.49 bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	4330.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	60.00 ft
Tool Length:	88.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	85000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	60000.00 lb
Final	67000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4303.00		
Shut In Tool	5.00			4308.00		
Hydraulic tool	5.00			4313.00		
Jars	5.00			4318.00		
Safety Joint	3.00			4321.00		
Packer	5.00			4326.00	28.00	Bottom Of Top Packer
Packer	4.00			4330.00		
Stubb	1.00			4331.00		
Recorder	0.00	8017	Outside	4331.00		
Recorder	0.00	8845	Outside	4331.00		
Perforations	21.00			4352.00		
Change Over Sub	1.00			4353.00		
Drill Pipe	31.00			4384.00		
Change Over Sub	1.00			4385.00		
Bullnose	5.00			4390.00	60.00	Bottom Packers & Anchor
Total Tool Length:	**88.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46899 **DST#: 2**

Test Start: 2013.03.24 @ 06:34:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	45000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GOMCW 5g 5o 30m 60w	0.421
90.00	GWOCM 10g 10o 20w 60m	1.262
310.00	OG 40o 60g	4.348
600.00	GO 10g 90o	8.416

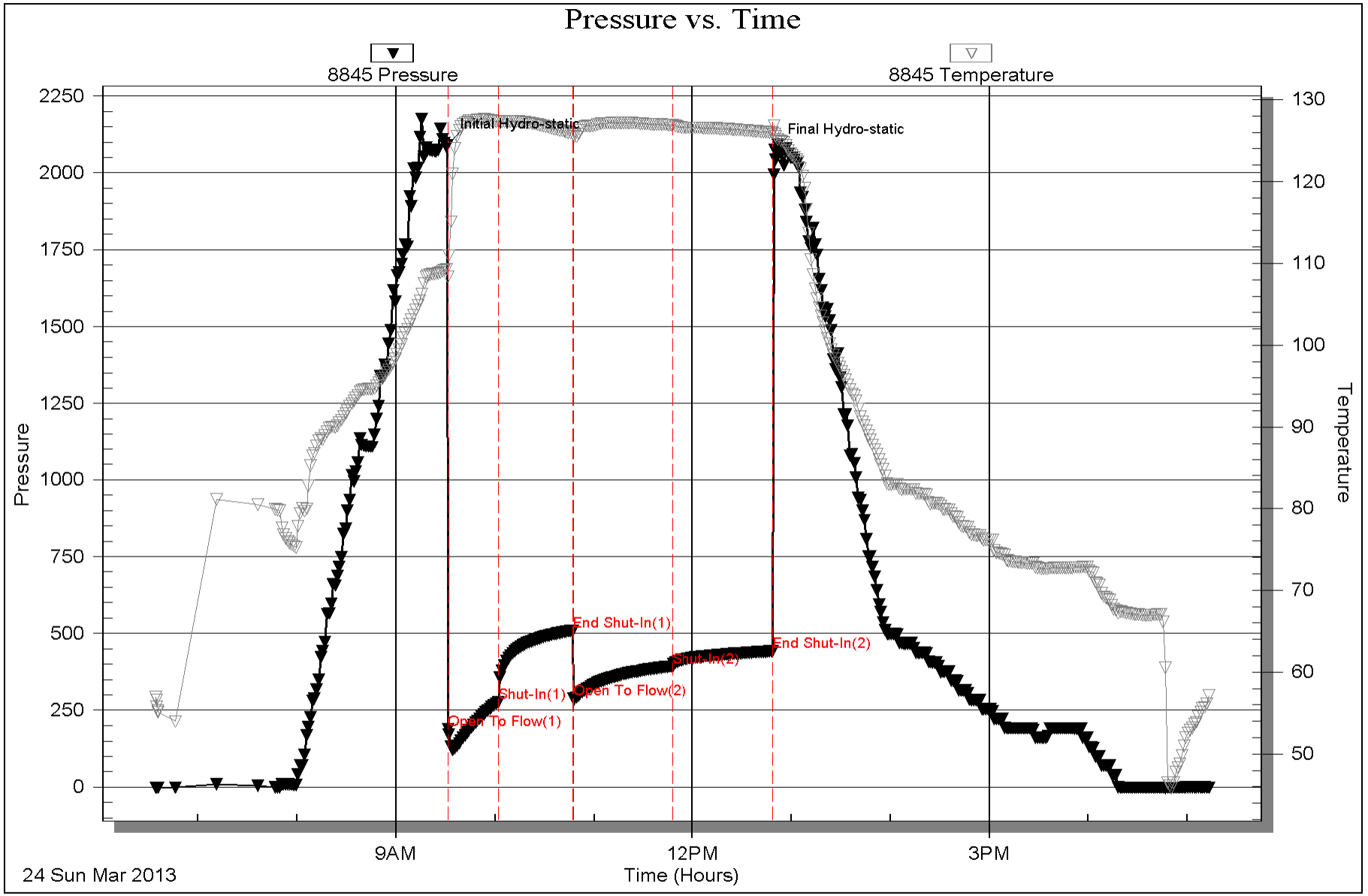
Total Length: 1030.00 ft Total Volume: 14.447 bbl

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

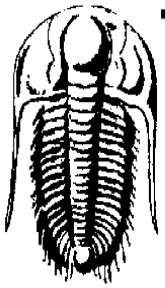
Laboratory Name: Laboratory Location:

Recovery Comments: Gravity: 37 @ 50 degrees= 38 API
RW: .231 @ 48 degrees= 45000 ppm

Serial #: 8845 **Outside** Blue Ridge Petroleum Corp. Hoss #1-2 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 46899 Printed: 2013.04.08 @ 11:22:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

Hoss #1-2

2-20s-25w Ness,KS

Start Date: 2013.03.25 @ 04:52:00
End Date: 2013.03.25 @ 13:11:15
Job Ticket #: 46900 DST #: 3

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

Printed: 2013.04.08 @ 11:21:29

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46900 **DST#: 3**

Test Start: 2013.03.25 @ 04:52:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:43:00
Time Test Ended: 13:11:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Sam Esparza
Unit No: 64

Interval: 4414.00 ft (KB) To 4468.00 ft (KB) (TVD)
Total Depth: 4468.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

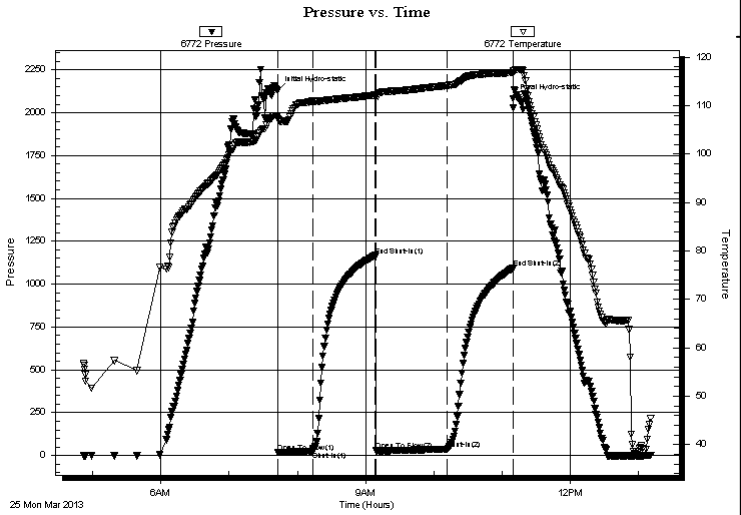
Reference Elevations: 2397.00 ft (KB)
2392.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: 37.50 psig @ 4415.00 ft (KB)
Start Date: 2013.03.25 End Date: 2013.03.25
Start Time: 04:52:05 End Time: 13:11:14

Capacity: 8000.00 psig
Last Calib.: 2013.03.25
Time On Btm: 2013.03.25 @ 07:42:45
Time Off Btm: 2013.03.25 @ 11:10:00

TEST COMMENT: IF: 3 3/4" blow .
ISI: No return.
FF: 7" blow .
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.60	107.91	Initial Hydro-static
1	17.67	107.33	Open To Flow (1)
32	26.65	110.94	Shut-In(1)
86	1167.16	112.18	End Shut-In(1)
87	28.31	111.92	Open To Flow (2)
149	37.50	114.16	Shut-In(2)
207	1092.28	116.83	End Shut-In(2)
208	2081.76	117.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOCM 5g 10o 85m	0.42
30.00	GO 5g 95o	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46900 **DST#: 3**

Test Start: 2013.03.25 @ 04:52:00

Tool Information

Drill Pipe:	Length:	4411.00 ft	Diameter:	3.80 inches	Volume:	61.87 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	61.87 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	4414.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	54.00 ft
Tool Length:	82.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	75000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	60000.00 lb
Final	63000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4387.00		
Shut In Tool	5.00			4392.00		
Hydraulic tool	5.00			4397.00		
Jars	5.00			4402.00		
Safety Joint	3.00			4405.00		
Packer	5.00			4410.00	28.00	Bottom Of Top Packer
Packer	4.00			4414.00		
Stubb	1.00			4415.00		
Recorder	0.00	6772	Outside	4415.00		
Recorder	0.00	8845	Outside	4415.00		
Perforations	15.00			4430.00		
Change Over Sub	1.00			4431.00		
Drill Pipe	31.00			4462.00		
Change Over Sub	1.00			4463.00		
Bullnose	5.00			4468.00	54.00	Bottom Packers & Anchor
Total Tool Length:	**82.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

PO Box 1913
Enid, OK 73702

ATTN: Kim Shoemaker

2-20s-25w Ness,KS

Hoss #1-2

Job Ticket: 46900 **DST#: 3**

Test Start: 2013.03.25 @ 04:52:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GOCM 5g 10o 85m	0.421
30.00	GO 5g 95o	0.421

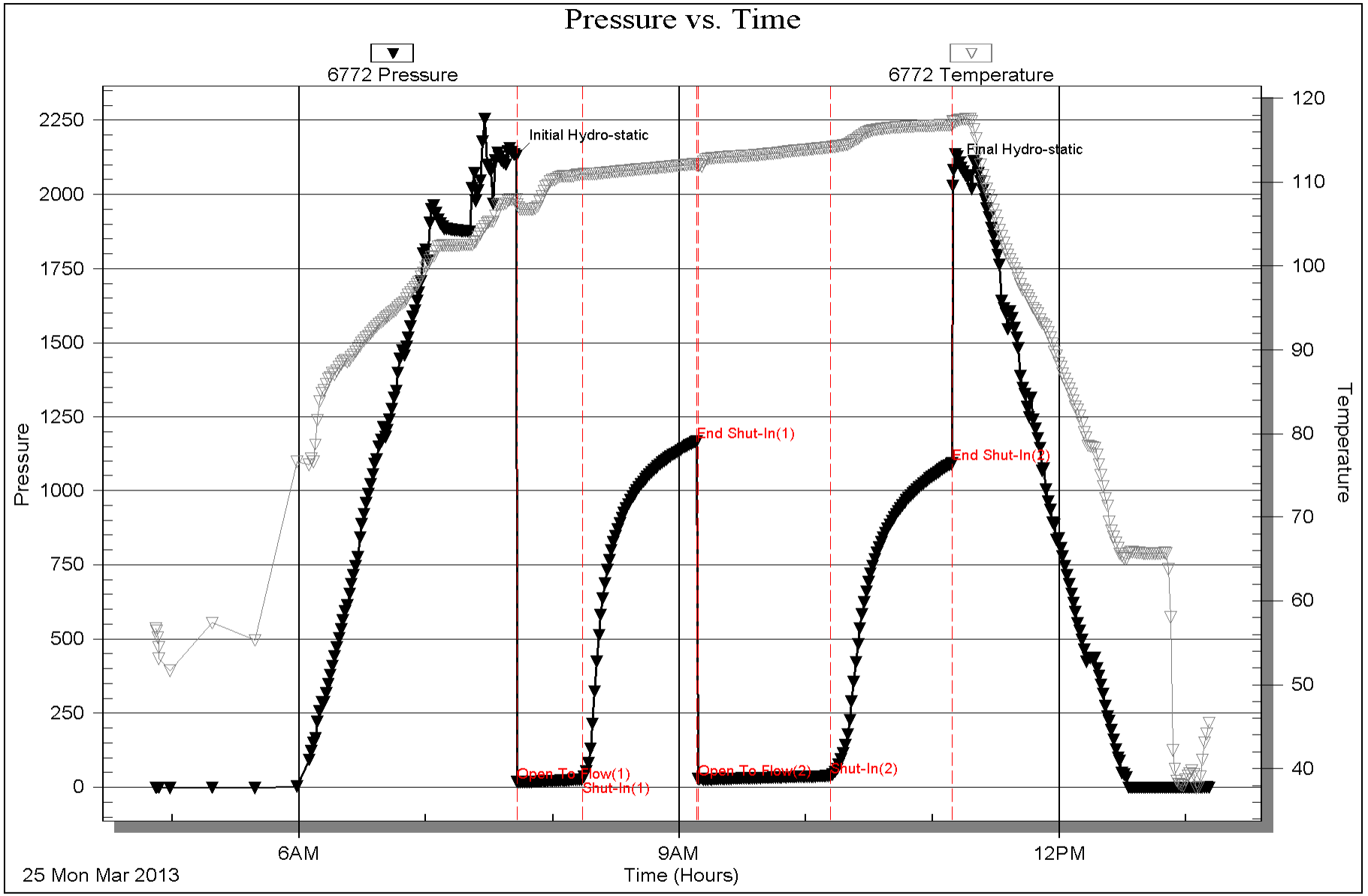
Total Length: 60.00 ft Total Volume: 0.842 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Oil API: 36 @ 40 degrees= 38 API

Serial #: 6772 **Outside** Blue Ridge Petroleum Corp. Hoss #1-2 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 46900 Printed: 2013.04.08 @ 11:21:32

TRILOBITE TESTING INC.
P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46898

Well Name & No. Hoss #1-2 Test No. 1 Date 3/23/13
Company Blueridge Petroleum Corp. Elevation 2397 KB 2392 GL
Address PO Box 1913 Enid, OK 73702
Co. Rep / Geo. Kim Shoemaker Rig L.D. #1.
Location: Sec. 2 Twp. 20S Rge. 25W Co. Ness State KS

Interval Tested 4163-4260 Zone Tested Mormaton
Anchor Length 97 Drill Pipe Run 4155 Mud Wt. 9.1
Top Packer Depth 4159 Drill Collars Run 0 Vis 52
Bottom Packer Depth 4163 Wt. Pipe Run 0 WL 6.4
Total Depth 4260 Chlorides 3000 ppm System LCM 1

Blow Description 3" blow.
No return.
8¼" blow.
No return.

Rec 30	Feet of VSGOCM	5 %gas	5 %oil	%water	90 %mud
Rec	Feet of 60'GIP	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2006	☒ Test	1250	T-On Location	3:05
(B) First Initial Flow	19	☒ Jars	250	T-Started	4:18
(C) First Final Flow	20	☒ Safety Joint	75	T-Open	6:36
(D) Initial Shut-In	329	☒ Circ Sub	N/C	T-Pulled	9:53
(E) Second Initial Flow	18	☐ Hourly Standby		T-Out	11:50
(F) Second Final Flow	24	☒ Mileage	110 R/T 170.50	Comments	
(G) Final Shut-In	323	☐ Sampler			
(H) Final Hydrostatic	1993	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1745.50
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1745.50		

Approved By _____ Our Representative _____

TRILOBITE TESTING INC.
P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 46899

Well Name & No. Hoss #1-2 Test No. 2 Date 3/24/13
Company Blueridge Petroleum Corp. Elevation 2397 KB 2392 GL
Address PO Box 413 Enid, OK 73702
Co. Rep / Geo. Kim Shoemaker Rig L.D. #1
Location: Sec. 2 Twp. 20S Rge. 25W Co. Ness State KS

Interval Tested 4330 - 4390 Zone Tested Ft. Scott
Anchor Length 60' Drill Pipe Run 4312 Mud Wt. 9.1
Top Packer Depth 4326 Drill Collars Run Ø Vis 49
Bottom Packer Depth 4330 Wt. Pipe Run Ø WL 5.6
Total Depth 4390 Chlorides 3400 ppm System LCM 1

Blow Description IF: BoB @ ½ min.
ISI: Bled off for 6 min. BoB return @ 11 min.
FF: BoB immediatly. Gas to surface @ 15 min.
FSI: Bled off for 6 min. BoB return @ 10 min.

Rec 600	Feet of GO	10 %gas	90 %oil	%water	%mud
Rec 310	Feet of OG	60 %gas	40 %oil	%water	%mud
Rec 90	Feet of GWOCM	10 %gas	10 %oil	20 %water	60 %mud
Rec 30	Feet of GOMCW	5 %gas	5 %oil	60 %water	30 %mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1030 BHT 126 Gravity 38 API RW .231 @ 48 °F Chlorides 45,000 ppm

(A) Initial Hydrostatic	2091	☒ Test	1250	T-On Location	5:25
(B) First Initial Flow	189	☒ Jars	250	T-Started	6:34
(C) First Final Flow	276	☒ Safety Joint	75	T-Open	9:32
(D) Initial Shut-In	509	☒ Circ Sub	N/C	T-Pulled	12:49
(E) Second Initial Flow	288	☒ Hourly Standby	1.75h 175	T-Out	17:14
(F) Second Final Flow	392	☒ Mileage	110 R/T 170.50	Comments	Gravity: 37 @ 50 degrees = 38 API
(G) Final Shut-In	442	☐ Sampler			
(H) Final Hydrostatic	2074	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1920.50
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1920.50		

Approved By Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 46900

Well Name & No. Hoss #1-2 Test No. 3 Date 3/25/13

Company Blueridge Petroleum Corp. Elevation 2397 KB 2392 GL

Address PO Box 1913 Enid, OK 73702

Co. Rep / Geo. Kim Shoemaker Rig L. D. #1

Location: Sec. 2 Twp. 20S Rge. 25W Co. Ness State KS

Interval Tested 4414-4468 Zone Tested Miss.

Anchor Length 54' Drill Pipe Run 4411 Mud Wt. 9.1

Top Packer Depth 4410 Drill Collars Run 0 Vis 56

Bottom Packer Depth 4414 Wt. Pipe Run 0 WL 6.4

Total Depth 4468 Chlorides 3800 ppm System LCM 2

Blow Description IF: 3¾" blo.

ISI: No return.

FF: 7" blow

FSI: No return.

Rec 30	Feet of GO	5 %gas	95 %oil	%water	%mud
Rec 30	Feet of GOCM	5 %gas	10 %oil	%water	85 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 117 Gravity 38 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2129	☒	Test 1250	T-On Location	4:25
(B) First Initial Flow	18	☒	Jars 250	T-Started	4:52
(C) First Final Flow	27	☒	Safety Joint 75	T-Open	7:43
(D) Initial Shut-In	1167	☒	Circ Sub N/C	T-Pulled	11:08
(E) Second Initial Flow	28	☐	Hourly Standby	T-Out	13:11
(F) Second Final Flow	38	☒	Mileage 110 R/T 170.50	Comments	36 @ 40 degrees = 38 API Loaded tools
(G) Final Shut-In	1092	☐	Sampler		
(H) Final Hydrostatic	2080	☐	Straddle	☐	Ruined Shale Packer
		☐	Shale Packer	☒	Ruined Packer 320
Initial Open	30	☐	Extra Packer	☐	Extra Copies
Initial Shut-In	45	☐	Extra Recorder	Sub Total	320
Final Flow	60	☐	Day Standby	Total	2065.50
Final Shut-In	60	☐	Accessibility	MP/DST Disc't	
		Sub Total	1745.50		

Approved By _____ Our Representative _____

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6630

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-16-13	2	20	25	Ness	Ks		11:00 PM

Location Ness City, Ks - W to J Rd, 7S to 60 Rd, 1E, ½S, W Into

Lease	Hoss	Well No.	1-2
Contractor	L.D. Drilling		
Type Job	Surface		
Hole Size	12¼"	T.D.	219'
Csg.	8 5/8"	Depth	219'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	15'
Meas Line		Displace	13 Bbls

EQUIPMENT

Pumptrk 9	No.	Cementer / Helper	Rick
Bulktrk 12	No.	Driver / Driver	Billy
~~Bulktrk~~	No.	Driver / Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

x Signature Rick Wilson

Owner 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.

Charge To Blue Ridge Petroleum

Street P.O. Box 1913

City Enid State OK 73702

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

Cement Amount Ordered 150 sx Common 3%CC 2%Gel

Common	150
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	158
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	17
Tax	
Discount	
Total Charge	

JOB LOG

SWIFT Services, Inc.

DATE 26 MAR 13 | PAGE NO

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
BLUE RIDGE PET.		HOSS 1-2	5½ LONGSTRING	24244

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1600							ON LOCATION
	1645							START PIPE 5½-14#
								RTD@4594 SET@4583
								SHOE JT. 42.13
								CENTRALIZERS 1,2,3,4,5,6,7,8,9,70
								BASKETS @8, 69
								PORT COLLAR TOP @ 69 @ 1674
	1850							DROP BALL - CIRCULATE.
	1935	6	12		↓		300	PUMP 500 gal MUD FLUSH
		6	20		↓		300	PUMP 20 BBL KCL FLUSH
	1943		7					PLUG RH (30 sx)
	1945	4	35		↓			MIX 145 sx EA-2
	1956							WASH OUT PUMP & LINES
	1959	7			↓			START DISPLACING PLUG
	2016	∅	111		↓		1500	PLUG DOWN PSI UP LATCH PLUG IN
	2018				↓			RELEASE PSI - DRY
	2022							WASH TRUCK
	2045							JOB COMPLETE
								THANKS @ 115
								JASON JEFF DOUG

JOB LOG

SWIFT Services, Inc.

DATE 12APR13 | PAGE NO.

CUSTOMER BLUE RIDGE PET | WELL NO. | LEASE HOSS 1-2 | JOB TYPE CEMENT PORT COLLAR | TICKET NO. 24660

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1300							ON LOCATION
								PORT COLLAR @ 1167D
	1301							SPOT 15x SAND
	1339				↓		1000	TEST - HELD
	1345							OPEN PORT COLLAR
	1400	4	72	↓		300		MIX 130sx SMD
		3	9	↓		150		DISPLACE CEMENT
								CIRCULATE 20sx TO PIT
								RUN 4 JTS.
	1431	4	22		↓		350	REVERSE CEMENT OUT OF TUBING.
	1440							RUN TUBING.
	1515	4	85		↓		300	CIRCULATE SAND OFF PLUG
	1600							JOB COMPLETE
								THANKS #115
								JASON JEFF JOHN

CONSULTING GEOLOGIST
316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BLUERIDGE PETROLEUM CORPORATION
LEASE #1-2 HOSS
FIELD WILDCAT
LOCATION 937' FNL & 1395' FEL
SEC 2 TWSP 20s RGE 25w
COUNTY NESS STATE KANSAS

CONTRACTOR L.D. DRILLING, INC.
SPUD 3-16-03 COMP 3-26-03
RTD 4594 LTD 4596
MUD UP 3574 TYPE MUD CHEMICAL

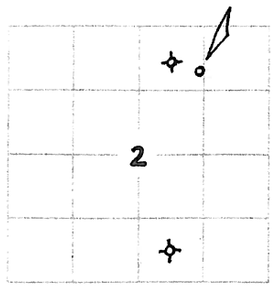
ELEVATIONS
KB 2397
DF
GL 2392
Measurements Are All From 2397 KB

CASING
SURFACE 8 5/8" @ 211'
PRODUCTION 5 1/2" @

ELECTRICAL SURVEYS
Dual Ind, Dens.-N. Micro Sonic

SAMPLES SAVED FROM 3600 TO 4594
DRILLING TIME KEPT FROM 3600 TO 4594
SAMPLES EXAMINED FROM 3600 TO 4594
GEOLOGICAL SUPERVISION FROM 3800 TO 4594
GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1666+731	1670+727
B/ANH.	1706+691	1712+685
HEEBNER	3790-1393	3788-1391
LANSING	3832-1435	3830-1433
B/KC	4160-1763	4168-1771
FORT SCOTT	4346-1949	4344-1947
CHEROKEE	4372-1975	4372-1975
MISSISSIPPI "U"	4442-2045	4449-2052
MISS. DOLOMITE	4457-2060	4457-2060



REMARKS

API: 15-135-25549

3-16-03 SPUD
3-17 @ 211'
3-18 @ 1645'
3-19 @ 2480'
3-20 @ 3055'
3-21 @ 3531'
3-22 @ 4037'
3-23 @ 4260'
3-24 @ 4345'
3-25 @ 4468'
3-26 @ 4594'

LEGEND

Dolomite
Chert
Ool. Lime
Limestone
Carb sh
Shale
Sandstone
Salt
Anhydrite

SHOE 1-06

REMARKS

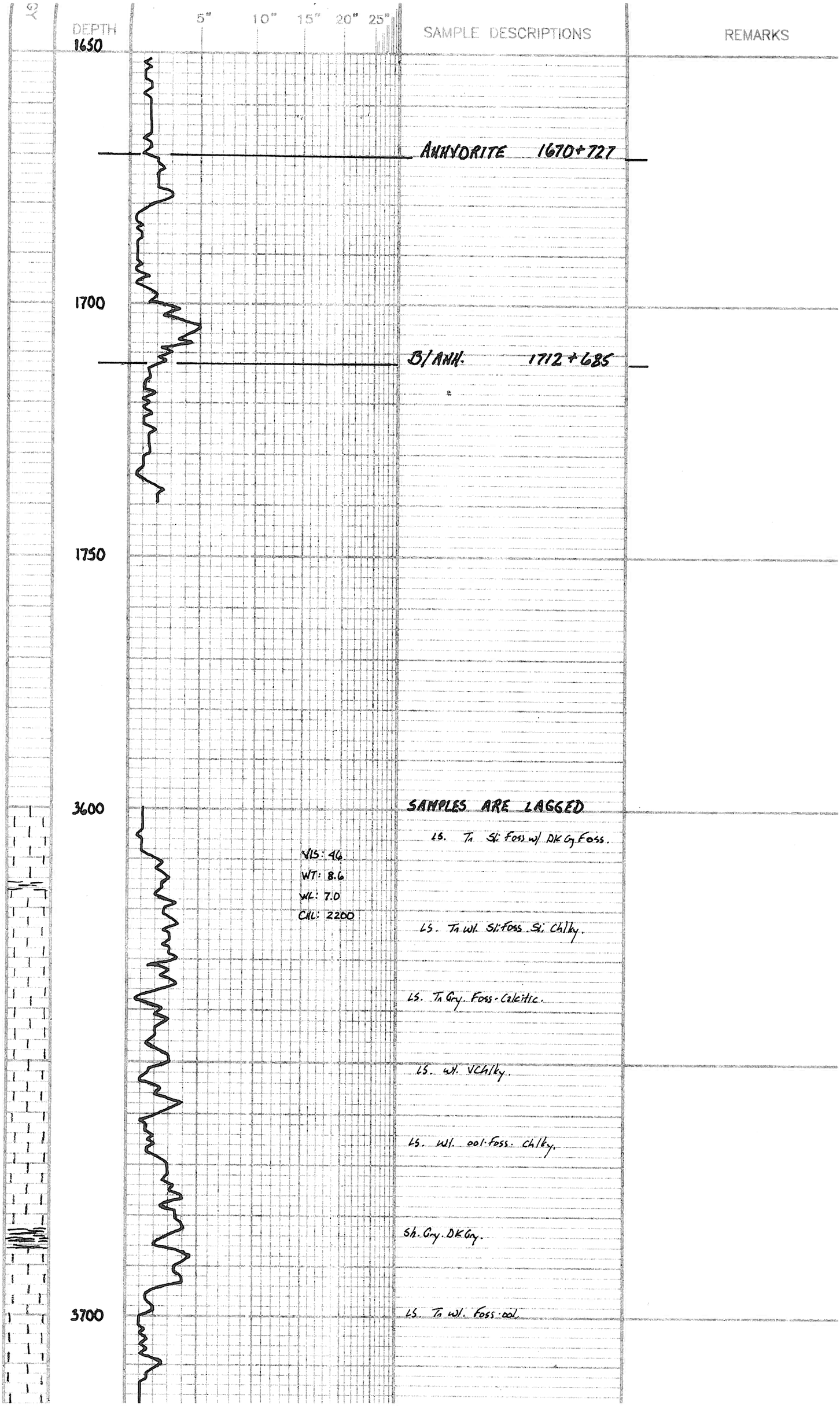
SAMPLE DESCRIPTIONS

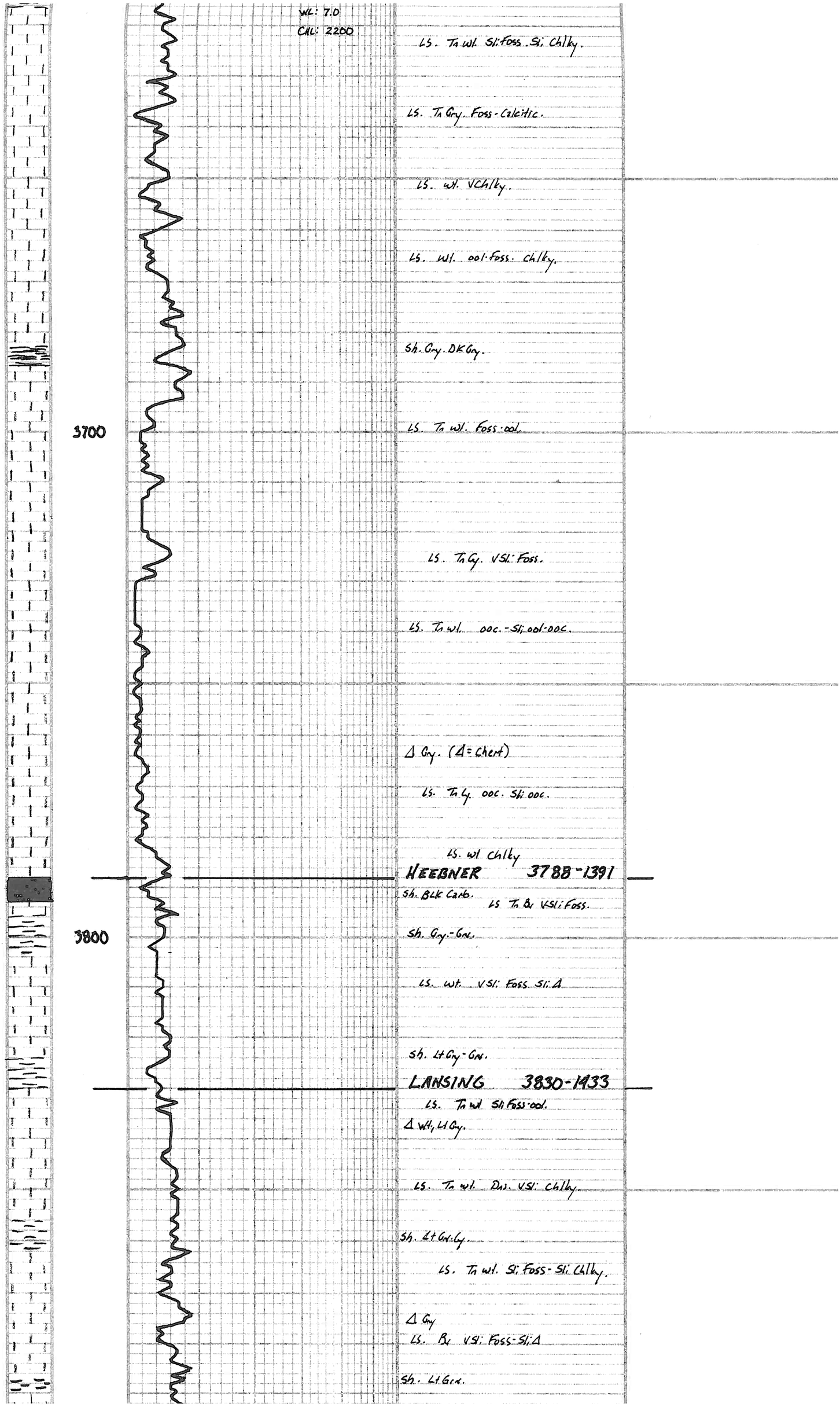
DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Increases
5" 10" 15" 20" 25"

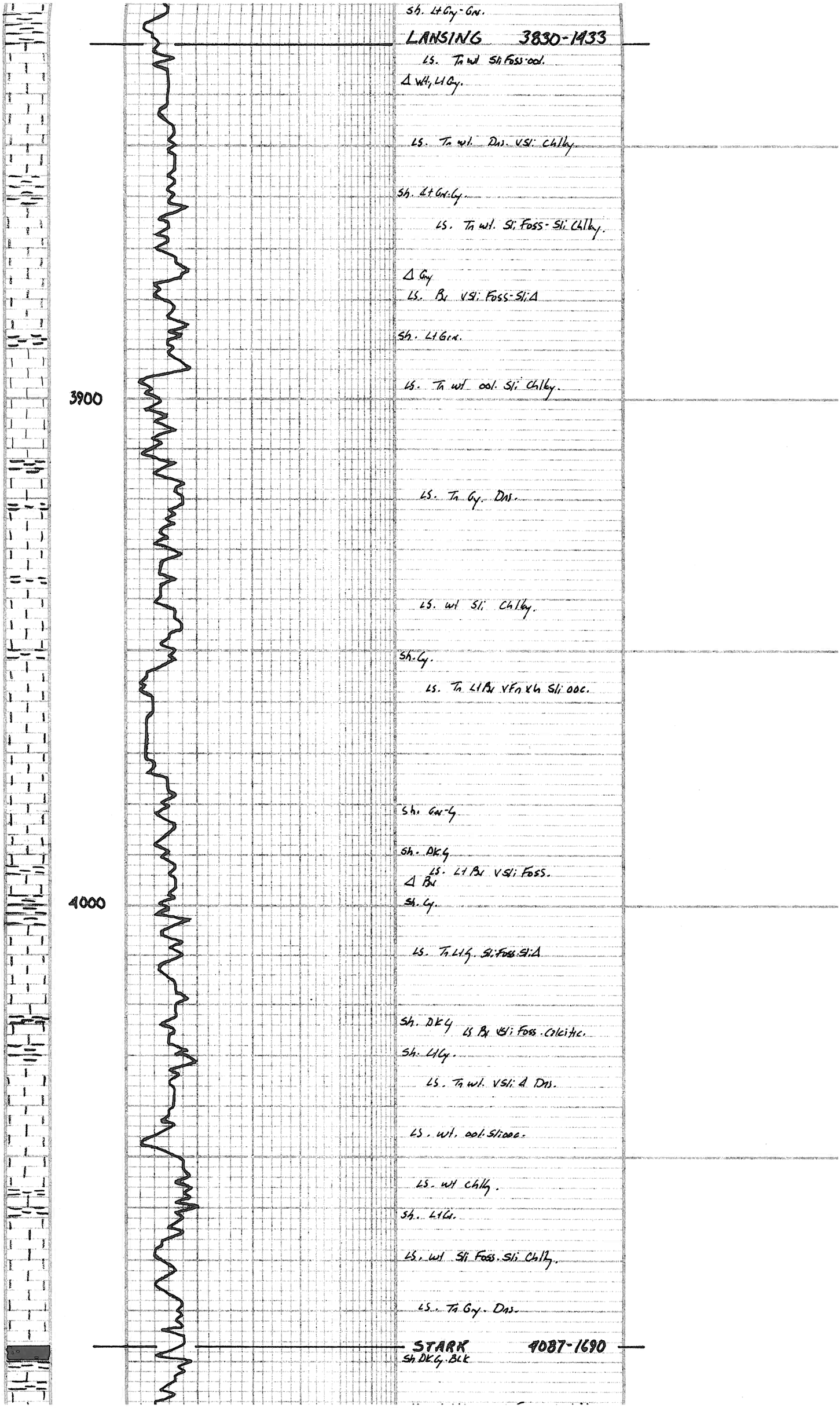
ANHYDRITE 1670+727

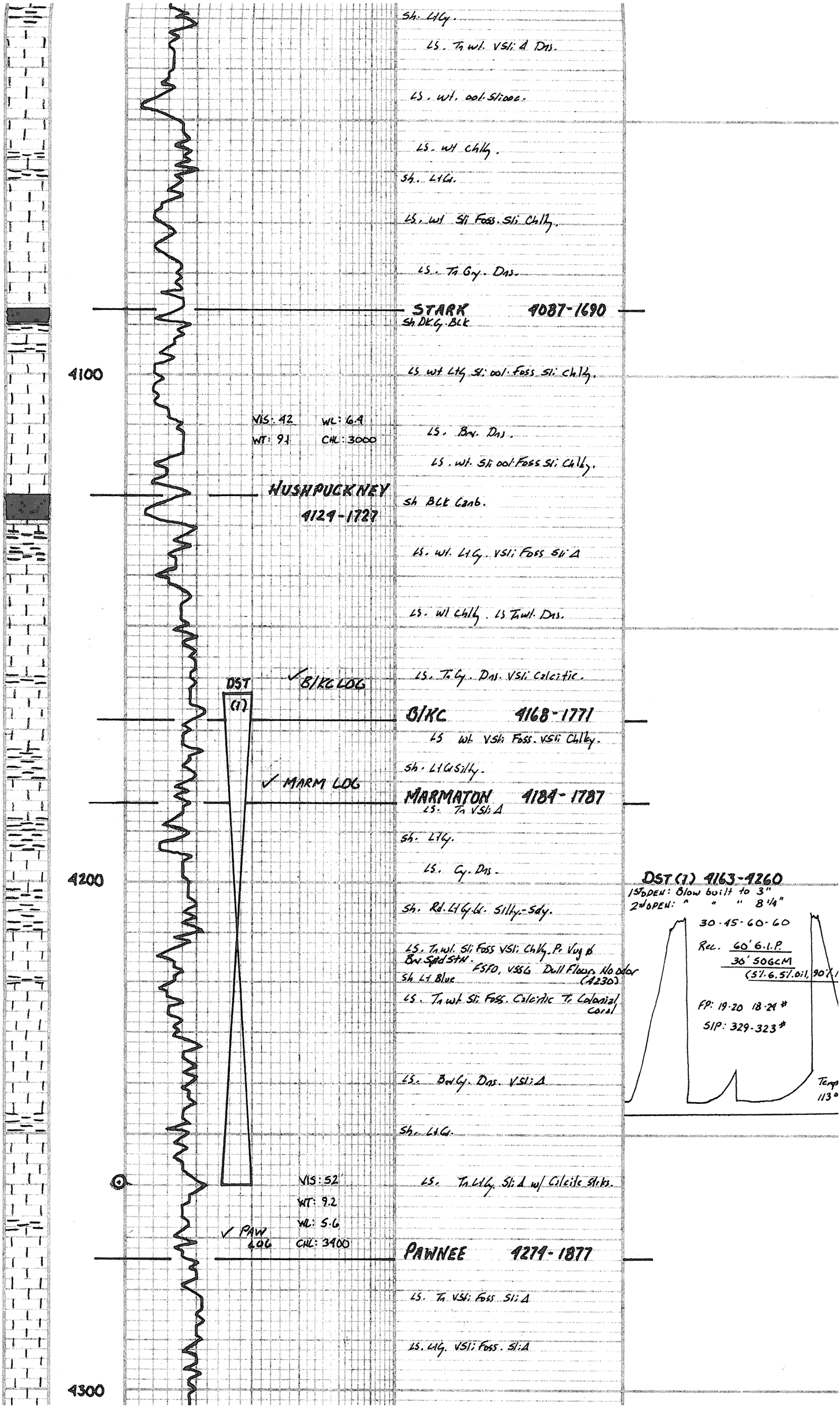
DEPTH 1650

LITHOLOGY


DEPTH
5"
10"
15"
20"
25"
SAMPLE DESCRIPTIONS
REMARKS
1650
ANHYDRITE 1670+727
1700
B/ANH. 1712+685
1750
3600
SAMPLES ARE LAGGED
LS. Tn Sl. Foss w/ DK Gy Foss.
VIS: 46
WT: 8.6
WL: 7.0
CAL: 2200
LS. Tn Wt. Sl. Foss. Sl. Chlky.
LS. Tn Gry. Foss - Calcitic.
LS. Wt. VChlky.
LS. Wt. ool. Foss. Chlky.
Sh. Gry. DK Gry.
3700
LS. Tn Wt. Foss. ool.


WL: 7.0
CAL: 2200
LS. Tn wl. Sli Foss. Sli. Chlky.
LS. Tn Gry. Foss-Calcitic.
LS. wt. VChlky.
LS. wt. ool-Foss. chlky.
Sh. Gry. DK Gry.
3700
LS. Tn wl. Foss: ool.
LS. Tn Gy. VSli. Foss.
LS. Tn wt. ooc.-Sli. ool-ooc.
Δ Gry. (Δ = Chert)
LS. Tn Gy. ooc. Sli ooc.
LS. wt chlky
HEEBNER 3788-1391
Sh. Blk Carb.
LS Tn Br VSli Foss.
3800
Sh. Gry.-Grn.
LS. wt. VSli Foss. Sli Δ
Sh. Lt Gry-Grn.
LANSING 3830-1933
LS. Tn wt Sli Foss ool.
Δ wh, Lt Gy.
LS. Tn wt. Dns. VSli. Chlky.
Sh. Lt Grn-Gy.
LS. Tn wt. Sli Foss-Sli Chlky.
Δ Gry
LS. Br VSli Foss-Sli Δ
Sh. Lt Grn.


Sh. Lt Gy-Grn.
LANSING 3830-1933
Ls. Tn wl Sli Foss. ool.
Δ wh, Lt Gy.
Ls. Tn wt. Dns. vSli. Chlky.
Sh. Lt Grn-Gy.
Ls. Tn wt. Sli Foss-Sli Chlky.
Δ Gy
Ls. Bn vSli Foss-Sli Δ
Sh. Lt Grn.
Ls. Tn wt ool. Sli Chlky.
3900
Ls. Tn Gy. Dns.
Ls. wt Sli Chlky.
Sh. Gy.
Ls. Tn Lt Bn vFn xln Sli ooc.
Sh. Grn-Gy
Sh. DK Gy
Ls. Lt Bn vSli Foss.
Δ Bn
4000
Sh. Gy.
Ls. Tn Lt Gy. Sli Foss. Sli Δ
Sh. DK Gy
Ls Bn vSli Foss. calcitic.
Sh. Lt Gy.
Ls. Tn wt. vSli Δ Dns.
Ls. wt. ool. Sli ooc.
Ls. wt Chlky.
Sh. Lt Gy.
Ls. wt Sli Foss. Sli Chlky.
Ls. Tn Gy. Dns.
STARK 4087-1690
Sh DK Gy. Blk


Sh. Lt Gy.
Ls. Tn wl. VSli Δ Dns.
Ls. wt. ool. Sli oac.
Ls. wt chlky.
Sh. Lt Gy.
Ls. wt Sli Foss. Sli Chlky.
Ls. Tn Gry. Dns.
STARK 4087-1690
Sh DK Gy. Blk
4100
Ls wt Ltgy Sli ool. Foss Sli chlky.
VIS: 42 WL: 6.4
WT: 9.1 CHL: 3000
Ls. Brn. Dns.
Ls. wt. Sli ool. Foss Sli Chlky.
HUSHPUCKNEY 4129-1727
Sh Blk Carb.
Ls. wl. Lt Gy. VSli Foss Sli Δ
Ls. wl chlky. Ls Tn wl. Dns.
DST (1)
✓ B/KC LOG
Ls. Tn Gy. Dns. VSli Calcitic.
B/KC 4168-1771
Ls wt. VSli Foss. VSli Chlky.
Sh. Lt Gy Silty.
✓ MARM LOG
MARMATON 4184-1787
Ls. Tn VSli Δ
Sh. Lt Gy.
4200
Ls. Gy. Dns.
Sh. Rd. Lt Gy. Gn. Silty-Sdy.
Ls. Tn wl. Sli Foss VSli Chlky. P. Vug ø
Brn Spd Stn. FSFO, VSSG Dull Flour. No Odor (4230)
Sh Lt Blue
Ls. Tn wt Sli Foss. Calcitic Tr. Colonial Coral
Ls. Brn Gy. Dns. VSli Δ
Sh. Lt Gy.
VIS: 52
WT: 9.2
WL: 5.6
CHL: 3400
✓ PAWN LOG
Ls. Tn Lt Gy. Sli Δ w/ Calcite Stks.
PAWNEE 4279-1877
Ls. Tn VSli Foss Sli Δ
Ls. Lt Gy. VSli Foss. Sli Δ
4300
DST (1) 4163-4260
1st OPEN: Blow built to 3"
2nd OPEN: " " 8 1/2"
30-45-60-60
Rec. 60' G.I.P.
30' SOGCM
(5% G. 5% oil, 90% m
FP: 19-20 18-21 #
SIP: 329-323 #
Temp
113°

LS. Bm Gy. Dns. VSli Δ

Sh. Lt Gy.

LS. Tn Lt Gy. Sli Δ w/ Calcite Stks.

VIS: 52'
WT: 9.2
WL: 5.6
CHL: 3400

✓ PAW LOG

PAWNEE 4279-1877

LS. Tn VSli Foss Sli Δ

LS. Lt Gy. VSli Foss. Sli Δ

4300

LS. Gy. DkGy. Silty. Dns.

LS. Dk Gy. Silty

Sh Dk Gy Silty

Sh Blk Carb.

DST (2)

FORT SCOTT 4349-1917

LS. Bm Gy. odl. Dns. P. Vis. ϕ. Lt Br Spld Stn. VSSFO. Tr GAS. Dull Spld Flow. VF Odor. (4360)

LS. Tn Lt Br VSli Foss Sli Δ Dns.

LS. Lt Gy. Tn Sli Foss. Sli Δ F.-P. Vug ϕ Spld Lt Br Sat. Stn. VSSFO, VSSG Dull Flow. Fr Odor (4370-80)

Δ Gy.

CHEROKEE 4372-1975

Sh Blk Carb.

LS. Bm Gy. VSli Foss Sli Δ

LS. Gry. Dns. Sli Δ

VIS: 48
WT: 9.2
WL: 6.4
CHL: 3800

Sh Dk Gy.

LS. Brn Dns.

4400

Sh. Lt Gy.

LS. Tn Gy. Sli Foss. Dns.

LS. Tn Br Sli Foss. Sli Δ

LS. Tn wh. VSli Foss. P. Vug ϕ Spld Dk Br Stn. VSSFO Dull Flow Ft Odor (4430)

Sh. Lt Blue-Gr Silty.

Δ Yellow-Orange Silty LS wit w/ Dk dd Stn.

Δ (Chert) Blk Sli Foss. - Xln. F. Gd Vug ϕ Blk Sat. Charcoal Stn. FSG VF Gd SFO No Flow Ft Odor (4440)

DST (3)

Δ Yellow, Orange, Δ wit Lt Gy. w/ Blk Stn.

✓ MISS 'U' LOG

Δ wit Lt Gy. Sli Foss.

MISSISSIPPI 4449 - 2052

Sh Lt Blue

MISS. DOLOMITE 4457-2060

Dol. Lt Gy. V.F.-Xln Suc. VSli Foss P. Vug ϕ Dk Br Scat. Stn. SSFO Dull Flow Fr Odor

VIS: 48
WT: 9.2
WL: 6.4
CHL: 4700

Dol. Tn Lt Br V.F.-Xln Suc. Foss. "Vuggy" Fr-Gd Vug ϕ Lt Br Sat. Stn. SSFO FSG Dull Flow. Gd Odor.

Dol. Tn VF-Xln Suc. Foss. Sli Foss "Vuggy" Fr-Gd Vug ϕ Lt Br Sat. Stn. SSFO Dull Flow. Gd Odor

Dol. Tn wit. V.F.-Xln Suc. Sli. Foss. Sli. "Vuggy" Fr Vug ϕ Br Dk Br Spld Stn. SSFO Dull Flow. Ft Odor.

4500

Dol. wit. V.F.-Xln Suc. Sli. Glauconitic.

Temp 113°

DST (2) 4330-4390

1st OPEN: Bottom bucket 30 sec. BB:
2nd OPEN: BOB T/out GTS 15 min. BB:

30 - 45 - 60 - 60

Rec. 600 GO (10% G..
310' GO (60% G
90' OGCWM (10% G
30' SOGCMW (5% G

TF: 1030'

FP: 189-227 - 288-392 #

SIP: 509-992 #

RW: .231 @ 4..

CHL: 45.000

DST (3) 4419-4468

1st OPEN: 1 Blow built to 3 3/4"
2nd OPEN: " " " 7"

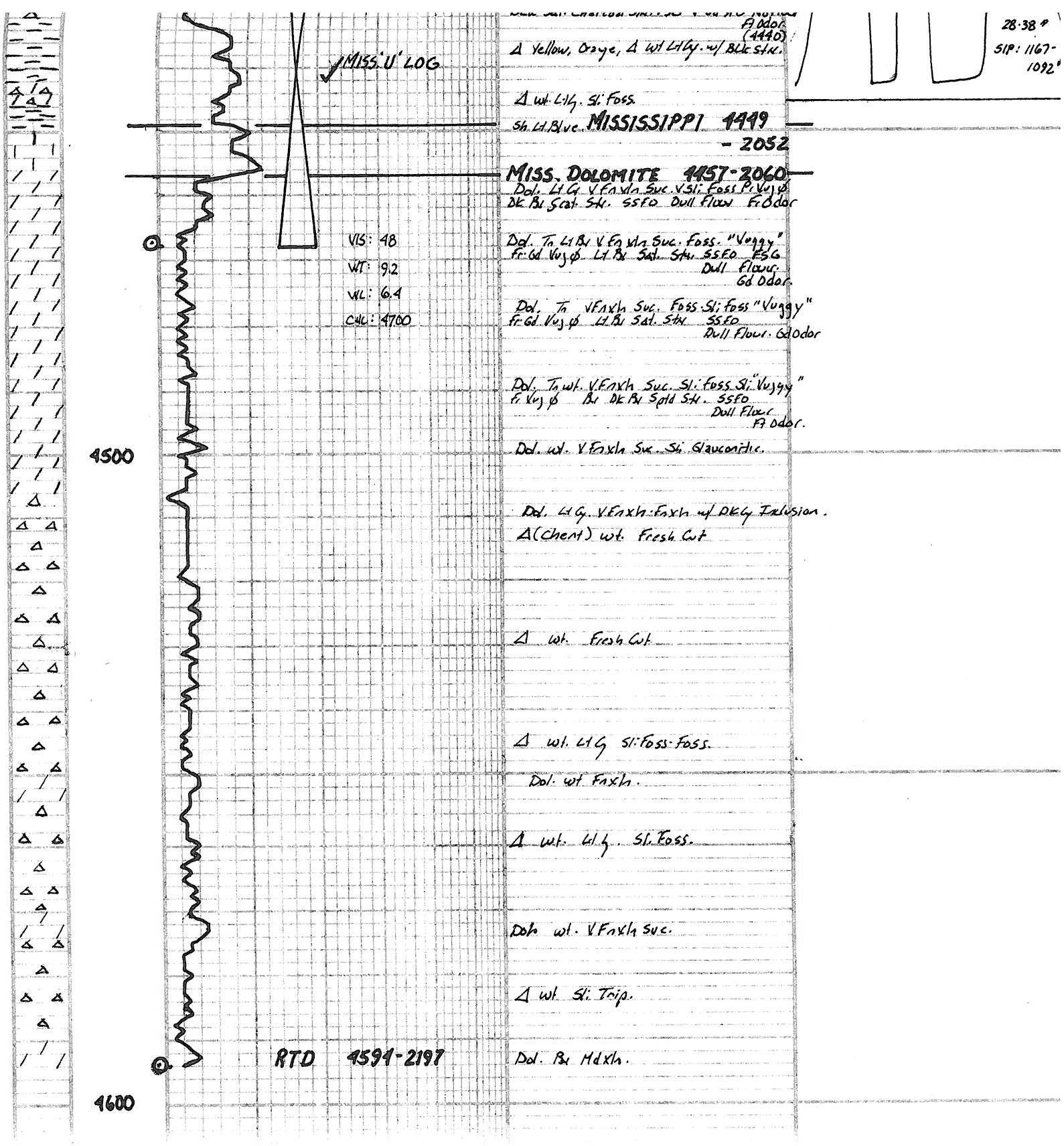
30 - 45 - 60 - 60

Rec. 10' G.I.P.
30' GO (5% G 95..
30' OGCM (5% G, 10..

TF: 60'

FP: 18-27
28-38 #

SIP: 1167-
1092


✓MISS 'U' LOG
VIS: 48
WT: 9.2
WL: 6.4
CHL: 4700
4500
4600
RTD 4591-2197
Ft Odor (4440)
Δ Yellow, Orange, Δ wt Lt Gy. w/ Blk stn.
Δ wt Lt Gy. Sl. Foss.
Sh. Lt Blue MISSISSIPPI 1999 - 2052
MISS. DOLOMITE 1457-2060
Dol. Lt Gy V Fn Xln Suc. V Sl. Foss Fr Vug φ
Dk Br Scat Stn. SSFO Dull Flour Fr Odor
Dol. Tn Lt Br V Fn Xln Suc. Foss. "Vuggy"
Fr-Gd Vug φ Lt Br Sat. Stn. SSFO FSG
Dull Flour.
Gd Odor.
Dol. Tn VFn Xln Suc. Foss. Sl. foss "Vuggy"
Fr-Gd Vug φ Lt Br Sat. Stn SSFO
Dull Flour. Gd odor
Dol. Tn wt. V Fn Xln Suc. Sl. Foss. Sl. "Vuggy"
Fr Vug φ Br Dk Br Spld Stn. SSFO
Dull Flour.
Ft Odor.
Dol. wt. V Fn Xln Suc. Sl. Glauconitic.
Dol. Lt Gy. V Fn Xln - Fn Xln w/ Dk Gy Inclusion.
Δ (Chert) wt. Fresh Cut
Δ wt. Fresh Cut
Δ wt. Lt Gy Sl. Foss - Foss.
Dol. wt Fn Xln.
Δ wt. Lt Gy. Sl. Foss.
Dol wt. V Fn Xln Suc.
Δ wt Sl. Trip.
Dol. Br Md Xln.
28-38 #
SIP: 1167-1092#