



KANSAS CORPORATION COMMISSION 1084011
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1084011

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Schwartz/Stuart 1-21
Doc ID	1084011

Tops

Name	Top	Datum
Onaga Shale	2030	-443
Indian Cave Sand	2042	-455
Wabaunsee	2076	-489
Heebner	2986	-1399
Lansing	3198	-1611
Stark Shale	3544	-1957
Cherokee	3778	-2191
Mississippi Chert	3878	-2291
Kinderhook	4080	-2493
Viola	4240	-2653



American Energies
Corporation

155 N. Market, Suite 710, Wichita, KS 67202
316-263-5785, 316-263-1851 fax

DRILLING AND COMPLETION REPORT
SCHWARTZ-STUART 1-21

LOCATION: Approx. C NW NE NE SW
Section 21-27S-7W
COUNTY: Kingman
API: 15-095-22252
CONTRACTOR: Landmark Drilling, Rig #6
GEOLOGIST: David Goldak
NOTIFY: American Energies Corp.
Dianne Y. DeGood Family Trust,
Debbie Schmitt, LLC,
Pickreil Drilling, R & T Investments
Buffalo Creek Oil and Gas, LLC

SURFACE CASING: 8-5/8", 24# set at 309'
PRODUCTION CASING: 5-1/2" 15.5# Used set at 4240'
ANTICIPATED RTD: 4300'
RTD: 4247'
G.L.: 1575' **K.B.:** 1587'
SPUD DATE: 5/1/12
COMPLETION DATE: 5/11/12
REFERENCE WELLS:
#1 Kathol's: #1 Wooldridge - SW NW NE 21-27S-7W
#2 Blubaugh's: #1 Schwartz OWWO - C SW SE 21-27S-7W

FORMATION:	SAMPLE LOG: Comparison:			ELECTRIC LOG TOPS: Comparison:					
				#1	#2	#1	#2		
Onaga Sh	2038	(-451)		-14	-1	2030	-443	-6	+7
Indian Cave Sand	2052	(-465)		-15	-3	2042	-455	-5	+6
Wabaunsee	2084	(-497)		-13	+6	2076	-489	-5	+14
Heebner	2992	(-1405)		-14	+5	2986	-1399	-8	+11
Lansing	3196	(-1609)		-6	+18	3198	-1611	-8	+16
Stark Sh	3548	(-1961)		-11	+9	3544	-1957	-7	+13
Cherokee	3785	(-2198)		-12	+8	3778	-2191	-5	+15
Miss Chert	3880	(-2293)		+3	+13	3878	-2291	+5	+15
Kinderhook	4085	(-2498)		+1	+8	4080	-2493	+6	+13
Viola	4224	(-2637)		-4	+24	4216	-2629	+4	+32
Total Depth	4247	(-2663)				4240	-2653		

4-30-12 Landmark Drilling, Rig #6 - MIRT, RURT

5-01-12 Spud well, drilled 12-1/4" surface hole, set 7 jts of 8-5/8" 24# New Surface Casing. Set at 309'. Cemented with 200 sx 60/40 Poz with 3% CC and 2% Gel. Plug down at 4:30 a.m. Cementing by Allied.

5-02-12 At 311' WOC.

5-03-12 At 1141' and repairing pump.

5-04-12 At 1897' and drilling ahead.

5-04-12 Geolograph malfunction, 140 Unit Gas Kick, Good show gas bubbles and distilments in sample.

5-04-12 140 unit gas kick and sample show of gas in the Indian Cave Sand.

DST #1 (Indian Cave) 2037'-2070'

30"-30"-30"-30"

IF: Weak blow building to 4 in.

ISI: No blow back

FF: Weak blow building to 3 in.

FSI: No blow back

RECOVERY: 130' WM (40% W, 60% M)

SIP: 712-678

FP: 17-46, 57-95

HP: 959-946

BHT: 93

5-05-12 At 2360' and drilling ahead.

5-06-12 At 3045' and drilling ahead.

5-07-12 At 3515' and drilling ahead.

**DRILLING AND COMPLETION REPORT
SCHWARTZ-STUART 1-21, Page 2**

5-08-12 At 3902' and TOOH for DST #2: (Miss Chert) 3887-3902'
Good show oil and gas in Miss Chert. 460 to 800 units total gas over 35 units background.

5-08-12 DST #2 (Miss Chert) 3887'-3902'
30"-60"-30"-60"
IF: Gas To Surface 3", gauged with 1/2 in. orifice:

	<u>1st Open</u>	<u>2nd Open</u>
10 Min.	255 MCF/D	334 MCF/D
20 Min.	300 MCF/D	363 MCF/D
30 Min.	312 MCF/D	363 MCF/D

ISI: No blow back FSI: No blow back

RECOVERY: 317' Total Fluid

	<u>Gas%</u>	<u>Water%</u>	<u>Mud%</u>
Breakdown: 77' GCM	10%	20%	70%
178' MCW	0%	70%	30%
62' MW	0%	95%	5%

Chlorides: 90,000 PPM; Mud: 15,000 PPM
ISIP: 1262# FSIP: 1256#
IFP: 137-155# FFP: 145-172#
IHP: 1971# FHP: 1910#
Bottom Hole Temperature: 117

5-09-12 At 4100' and drilling ahead.

5-10-12 Reached TD at 1:30 a.m., circulated hole clean. Trip out of hole. Rigged up Loggers. LTD 4240', RTD 4243'.

5-10-12 8:00a.m. Currently logging well. Will be running production casing.

5-11-12 Ran **95 joints 5-1/2" 15.5# ST&C Used, Drifted & Tested Production Casing & 1-12' Shoe joint to 4240'**. Cement circulated one hour & hooked up Allied cementing & cemented with 150 sx. Bump plug to 1500# at 10:55 p.m., & held. Allied cement ticket #054100. Centralizers at 4238, 4227, 4010, 3920, 3831 & 3786'.

5-15-12 MIRU - American Energies Workover Rig #2. RU Log Tech of Kansas and ran bond log. **Top of cement was located at 3340'**. Went in with gun and **perforated from 3878 - 3883' with 4 SPF. Ran in 2 3/8" tubing and packer to 3863'** (used tubing from Greenleaf yard 111 jts used, 18 jts new). Hooked up and started swabbing. Made 4 pulls and well kicked off.

1st pull - Waited 45 minutes - made 3 bbls, backside on vacuum. Well kicked off flowing. SION

5-16-12 Opening pressures: SITP - 1050#, SICP: 0# - due to packer in hole.

Will change out completion head and install full bore orbit valve.

Hooked gas well up to portable meter trailer and separator. Pumped 15 bbls down tubing and killed tubing. Hooked up production head and started flowing again. Hooked up to swab tank. Flowed 2 1/2 bbls and died. Went in with swab and tagged fluid at 1400' down. Pulled twice and started flowing again. Flowed back 15 bbls saltwater and hooked up gas trailer. Started flowing at 11:30 a.m., by 4:00 p.m., well has dried up and has been flowing a steady 180 MCF/D with no water, TP: 1050#, CP: 0#. We will open up choke and let flow over night. Will test for two days.

5/17/12 Well froze off during the night. Got well thawed at 6:30 a.m. Opened up choke - flowing at 240 - 250 MCF/D with TP: 550#. Will flow test to clean up well. Will shut-in over weekend and conduct a 4 point test on Monday 5/21/12.

**DRILLING AND COMPLETION REPORT
SCHWARTZ-STUART 1-21, Page 3**

5/29/12 Results of 4 point test:

SIPTB: 800#

Orifice Size	Opening Time	Tubing Pressure	Flow Rate
1 ¼	1 st	660#	150 MCF
1 ¼	2 nd	580#	336 MCF
1 ¼	3 rd	520#	470 MCF
1 ¼	4 th	500#	480 MCF

NOTE: Made 16 bbl fluid during 4 pt. test.

Gas flow pressure stabilized at 500#.

Currently laying water and gas lines, setting gas separator, connecting well.

Should be on-line in a few days.

Pumper – Richard McDonald . Well will dispose into Wooldridge C SWD, gas purchaser will be AEPL in the Northeast Kingman Gas Gathering System to be sold to West Wichita, thru Kramer Compressor Station.

The following equipment was set on this well:

1 – 225# Gas Separator

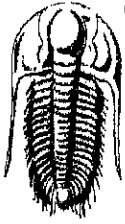
1 – Gas Meter Run

Tubing - 2 3/8" and packer set @ 3863'

No Pumping unit – free flowing gas well

5/30/12 Started well at 11:00 a.m. – making 120 MCFPD

	MCFPD	Tubing Pressure:	NOTES:
5/31/12	40	290#	Made adjustments – opened choke to 6/64 th , 3 hours later – selling 100 MCFPD
6/01/12	50	600#	Well Freezing off
6/02/12	50	600#	Problems with choke
6/03/12	50	600#	
6/04/12	50	600#	Hooking up methanol pump, production will increase.
6/05/12	260	500#	After installation of methanol pump – well is flowing great.
6/06/12	260	490#	
6/07/12	260	460#	



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Energies Corp

21-27s-7w

155 N Market STE 710
Wichita KS 67202

Schwartz-Stuart#1-21

Job Ticket: 47738 DST#: 1

ATTN: Karen Houseberg/Dave

Test Start: 2012.05.04 @ 15:52:20

GENERAL INFORMATION:

Formation: **Indian cave**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:08:05

Time Test Ended: 21:36:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: **2037.00 ft (KB) To 2070.00 ft (KB) (TVD)**

Total Depth: 2070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1587.00 ft (KB)

1577.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Outside

Press@RunDepth: 95.12 psig @ 2037.00 ft (KB)

Start Date: 2012.05.04

Start Time: 15:52:25

End Date: 2012.05.04

End Time: 21:36:04

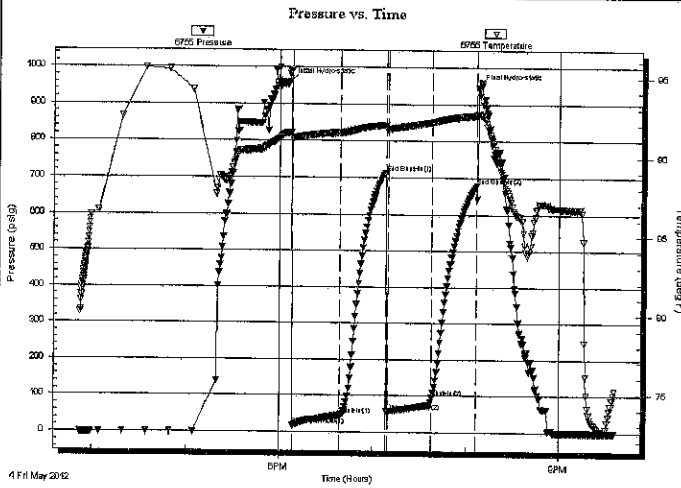
Capacity: 8000.00 psig

Last Calib.: 2012.05.04

Time On Btm: 2012.05.04 @ 18:06:20

Time Off Btm: 2012.05.04 @ 20:08:05

TEST COMMENT: IF: Weak blow 4"
IS: No blow back
FF: Weak blow 3"
FSI: No blow back



PRESSURE SUMMARY

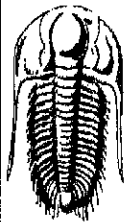
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	959.39	91.52	Initial Hydro-static
2	17.27	91.18	Open To Flow (1)
33	46.74	91.53	Shut-In(1)
62	712.63	92.01	End Shut-In(1)
64	57.08	91.76	Open To Flow (2)
92	95.12	92.20	Shut-In(2)
121	678.00	92.62	End Shut-In(2)
122	946.50	92.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	W,M 40% water 60% mud	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp

21-27s-7w

155 N Market STE 710
Wichita KS 67202

Schwartz-Stuart#1-21

Job Ticket: 47738

DST#: 1

ATTN: Karen Houseberg/Dave

Test Start: 2012.05.04 @ 15:52:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 28.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 72000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
130.00	W,M 40% water 60% mud	0.639

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

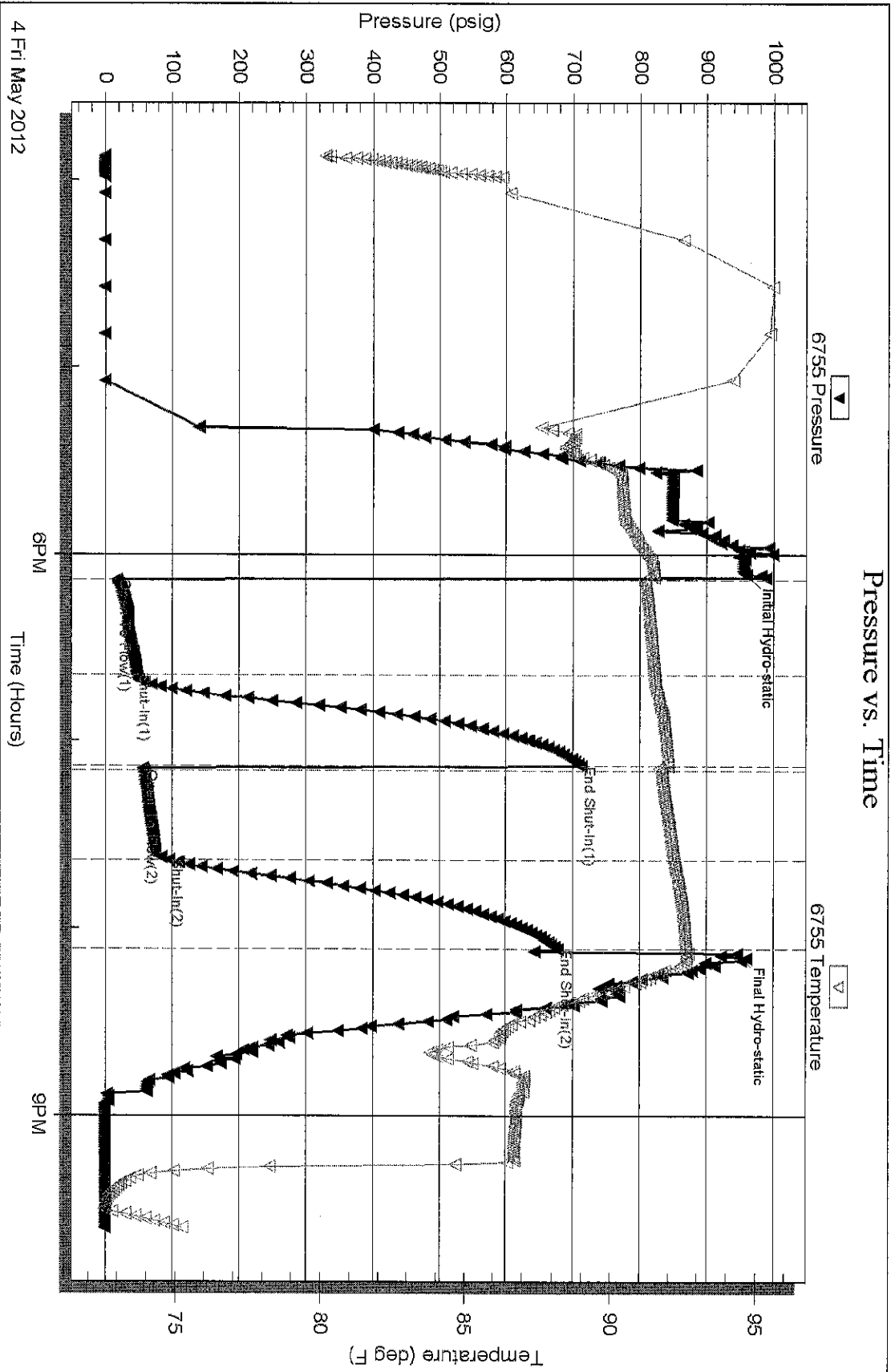
Recovery Comments:

Serial #: 6755

Outside American Energies Corp

Schwartz-Stuart#1-21

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47738

Printed: 2012.05.05 @ 20:08:12

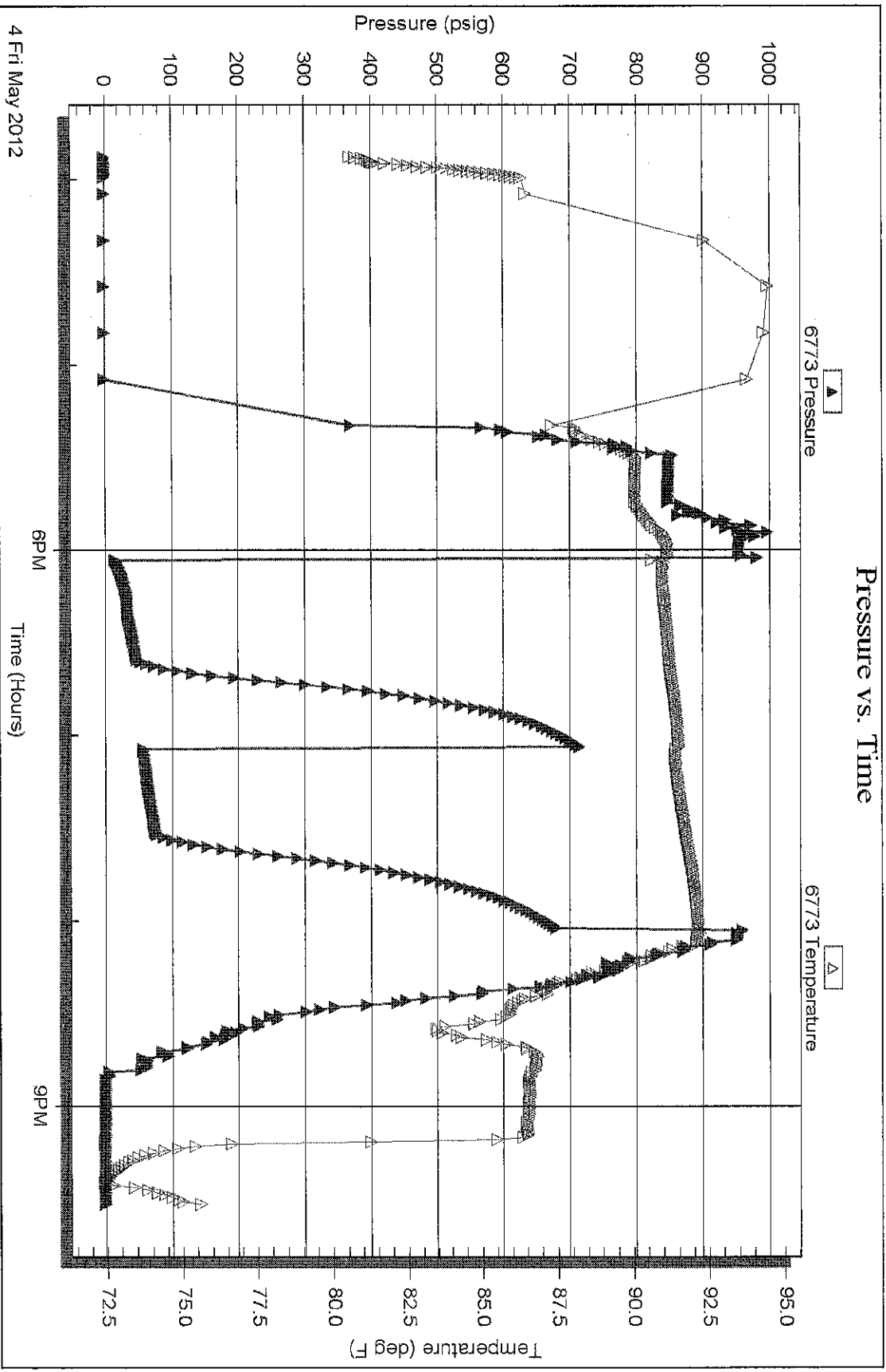
Serial #: 6773

Inside

American Energies Corp

Schwartz-Stuart#1-21

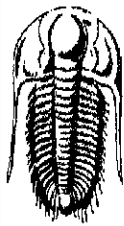
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 47738

Printed: 2012.05.05 @ 20:08:13



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp

Schwartz-Stuart #1-21

155 N Market STE 710
Wichita KS 67202

21-27s-7w Kingman, KS

Job Ticket: 46854

DST#: 2

ATTN: Karen Houseberg/Dave

Test Start: 2012.05.08 @ 09:00:22

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:

95000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3560 GIP	0.000
62.00	MCW 5%M 95%W	0.305
178.00	MCW 30%M 70%W	1.149
77.00	GWCM 10%G 20%W 70%M	1.080

Total Length: 317.00 ft Total Volume: 2.534 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .07@75 degrees 95000

Serial #: 8790

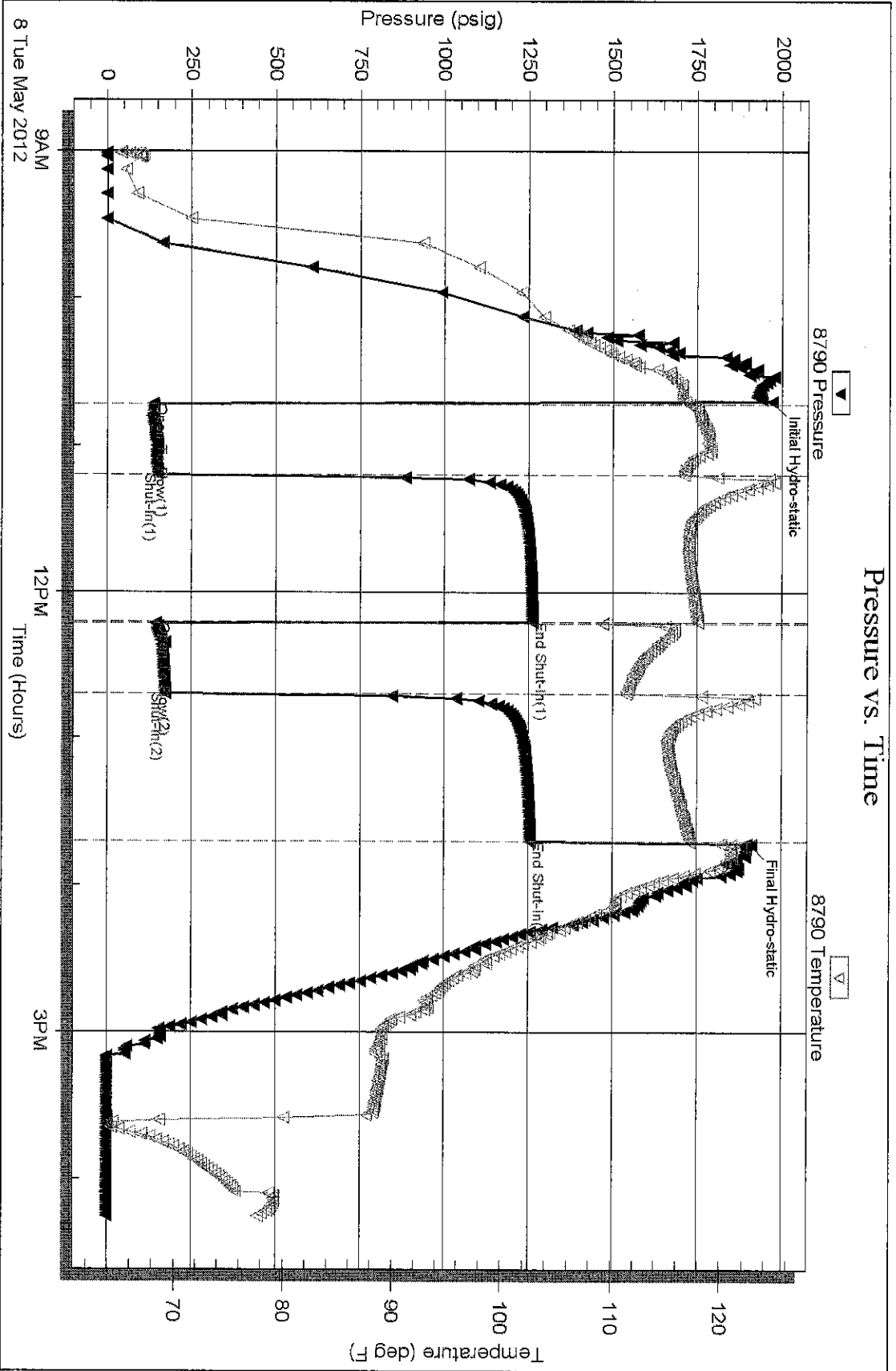
Inside

American Energies Corp

21-27's-7w Kingman, KS

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46854

Printed: 2012.05.08 @ 16:38:46

Monday 316-263-1851

ALLIED OIL & GAS SERVICES, LLC 054072

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <i>5/02/2012</i>	SEC <i>21</i>	TWP <i>27s</i>	RANGE <i>7w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Start & Shut</i>	WELL # <i>1-21</i>	LOCATION <i>Kingman, Subwy 2N, 36E, N</i>			COUNTY <i>Kingman</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Goodmark*
 TYPE OF JOB *Surface*
 HOLE SIZE *12 1/4* TD *312*
 CASING SIZE *8 5/8* DEPTH *326*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *500* MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *15*
 PERFS.
 DISPLACEMENT *19 1/2*

OWNER *American Energies*
 CEMENT
 AMOUNT ORDERED *200s x 60:40:32cc + 290 gel*

EQUIPMENT
 PUMP TRUCK CEMENTER *Swon Thibault*
 # *471/362* HELPER *Proff Coins*
 BULK TRUCK
 # *381* DRIVER *Burder Boor*
 BULK TRUCK
 # DRIVER

COMMON	<i>120 SX A</i>	@	<i>16.25</i>	<i>1950.-</i>
POZMIX	<i>80 SX</i>	@	<i>8.50</i>	<i>1280.-</i>
GEL	<i>4 SX</i>	@	<i>21.25</i>	<i>85.-</i>
CHLORIDE	<i>7 SX</i>	@	<i>58.20</i>	<i>407.20</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>211</i>	@	<i>2.25</i>	<i>474.75</i>
MILEAGE	<i>211 X 55 X .11</i>			<i>1276.55</i>
TOTAL				<i>4813.70</i>

REMARKS:
Sec Cement log

did not cement

CHARGE TO: *American Energies*
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<i>326</i>		
PUMP TRUCK CHARGE			<i>1125.-</i>
EXTRA FOOTAGE	<i>26'</i>	@	<i>.95</i> <i>24.70</i>
MILEAGE	<i>55</i>	@	<i>7</i> <i>385.-</i>
MANIFOLD		@	
<i>light vel.</i>	<i>55</i>	@	<i>9</i> <i>280.-</i>
TOTAL <i>\$1754.70</i>			

8 5/8 PLUG & FLOAT EQUIPMENT

<i>1- Wooden Plug</i>	@	<i>97.00</i>
	@	
	@	
	@	
	@	
TOTAL <i>\$92.00</i>		

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 *\$6720.40*
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME *D.C.G. Collins*
 SIGNATURE *[Signature]*

ALLIED OIL & GAS SERVICES, LLC 054100

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge KS

DATE <i>05/10/2012</i>	SEC <i>21</i>	TWP <i>27s</i>	RANGE <i>7w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
<i>Schwartz- Lease Smart</i>	WELL# <i>1-21</i>	LOCATION <i>Kingman KS turn North at Suburg</i>			COUNTY <i>Kingman</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one)			<i>2 miles, 3/4 East, North into</i>				

CONTRACTOR *Landmark #6* OWNER *Amer Energies*

TYPE OF JOB <i>Production</i>	CEMENT
HOLE SIZE <i>7 7/8</i> ID. <i>4242</i>	AMOUNT ORDERED <i>40 or 60:40:40:4% Col. 150 or</i>
CASING SIZE <i>5 1/2</i> DEPTH <i>4222</i>	<i>Class A ASC + 5# Kalseal + .5% FI-160,</i>
TUBING SIZE DEPTH	<i>500 gal ASF</i>
DRILL PIPE DEPTH	
TOOL DEPTH	

PRES. MAX <i>1600</i> MINIMUM	COMMON <i>Class A X24 or @ 16.25 390</i>
MEAS. LINE SHOE JOINT <i>12</i>	POZMIX <i>16 or @ 8.50 136</i>
CEMENT LEFT IN CSG. <i>12</i>	GEL <i>2 or @ 21.25 42.50</i>
PERFS.	CHLORIDE @
DISPLACEMENT <i>100%</i>	ASC <i>Class A 150 or @ 19.00 2850</i>

EQUIPMENT

PUMP TRUCK CEMENTER <i>Jason Thimesch</i>
<i>#471/312</i> HELPER <i>Ron Gully</i>
BULK TRUCK
<i>#311/250</i> DRIVER <i>Genet</i>
BULK TRUCK
DRIVER

ASF <i>500 gal @ 1.27 635</i>
<i>Kalseal 15 or @ .89 13.35</i>
<i>FI-160 2 or @ 17.20 24.40</i>
HANDLING <i>211 @ 2.25 474.75</i>
MILEAGE <i>211 x 55 x .11 1276.55</i>
TOTAL <i>5852.55</i>

REMARKS:

Plug held

Thank you

SERVICE

DEPTH OF JOB <i>4222</i>
PUMP TRUCK CHARGE <i>2,405</i>
EXTRA FOOTAGE <i>55 @ 7 385</i>
MILEAGE <i>55 @ 7 385</i>
MANIFOLD <i>4 @ 2.00 8.00</i>
<i>LV 55 @ 4 220</i>
TOTAL <i>3210</i>

CHARGE TO: *American Energies*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>5 1/2</i>	Centralizers <i>5 @ 49 245</i>
	bucket <i>1 @ 337 337</i>
	AFU float shoe <i>1 @ 349 349</i>
	Latch down plug <i>1 @ 277 277</i>
	TOTAL <i>1208</i>

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 *Thad Starr*

SIGNATURE *Thad Starr*

SALES TAX (If Any) _____

TOTAL CHARGES *10270.55*

DISCOUNT _____ IF PAID IN 30 DAYS

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Schwartz-Stuart #1-21
Location: Section 21 - T27S - R7W
License Number: API: 15-095-22252
Spud Date: 05 / 01 / 2012
Surface Coordinates: 2500' FSL and 2020' FWL
Approx. C - E/2 - W/2
Region: Kingman Co., KS
Drilling Completed: 05 / 10 / 2012
Bottom Hole Coordinates:
Ground Elevation (ft): 1578' K.B. Elevation (ft): 1587'
Logged Interval (ft): 1900' To: 4243' Total Depth (ft): 4243'
Formation: Viola
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: American Energies Corporation
Address: 155 N. Market., Suite 710
Wichita, Kansas 67202

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 155 N. Market, Suite 710
Wichita, Kansas 67202

General Info

CONTRACTOR: Landmark Drilling, Rig #6

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ- ? - RR	15-15-15	311	311	7.00
2	7-7/8	JZ-QX20	15-15-14	4243	3932	97.25

SURVEYS: 311'-1.0, 2070'-1.0, 3902'-1.5, 4243'-1.25

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 30,000-35,000 lbs. on bit and 75-80 RPM.
Running 9 stands of collars; 526.58'
Pumping 60 S/M, 7.7 B/M, and 800 psi at standpipe.

Daily Status

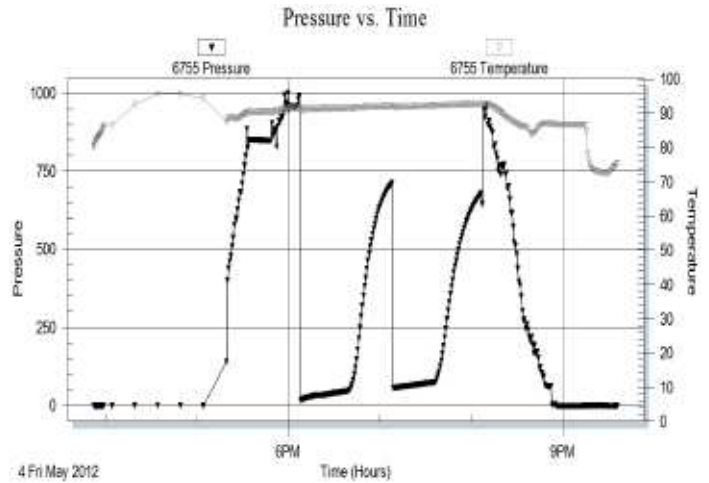
05/01/12 - Spud @ 3:30 PM; Set 8-5/8" Csg at 309'
 05/02/12 - 311' WOC; Drill plug @ 12:30 PM
 05/03/12 - 1,141' Repairing pump
 05/04/12 - 1,897' Drilling; DST #1 @ 2,070'
 05/05/12 - 2,360' Drilling; Displace mud @ 2,785'
 05/06/12 - 3,045' Drilling; Trip for hole ib pipe @ 3,373'
 05/07/12 - 3,515' Drilling
 05/08/12 - 3,902' TOOH for DST #2
 05/09/12 - 4,100' Drilling
 05/10/12 - 4,243' Logging

DST #1: 2,037' - 2,070' (Indian Cave)
30" - 30" - 30" - 30"

IF: Weak blow, building to 4 inches
ISI: No blow back
FF: Weak blow, building to 3 inches
FSI: No blow back

RECOVERY: 130' Total Fluid, consisting of:
 130' WM (40% W, 60% M); Chlorides: 17,000 ppm

SIP: 712-678; **FP:** 17-46, 57-95; **HP:** 959-946;
BHT: 93

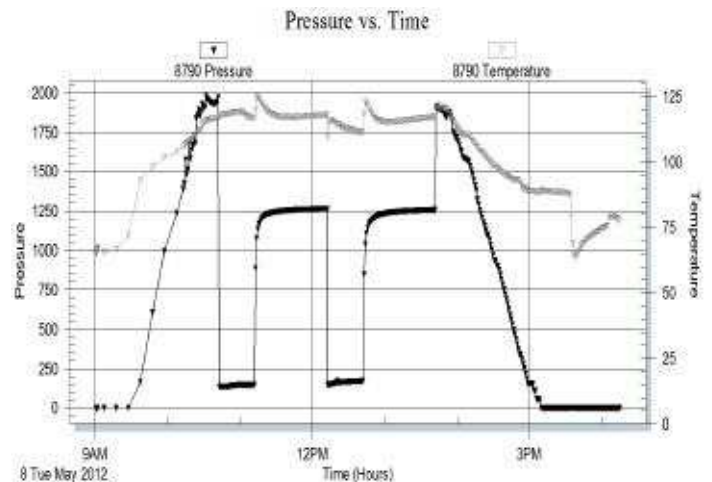


DST #2: 3,887' - 3,902' (Miss. Chert)
30" - 60" - 30" - 60"

IF: GTS in 3 min., gauged with 1/2 in. orifice:
 10 min - 255 MCF, 20 min - 300 MCF, 30 min - 312 MCF
ISI: No blow back
FF: Gas gauged with 1/2 in. orifice:
 10 min - 334 MCF, 20 min - 363 MCF, 30 min - 363 MCF
FSI: No blow back

RECOVERY: 317' Total Fluid, consisting of:
 77' GWCM (10% G, 20% W, 70% M)
 178' MCW (70% W, 30% M)
 62' MCW (95% W, 5% M); Chlorides: 90,000 ppm

SIP: 1262-1256; **FP:** 137-150, 145-172; **HP:** 1971-1910; **BHT:** 117



ROCK TYPES

	Anhy		Gyp		Shgy		Sandylms
	Bent		Igne		Sltst		Shale
	Brec		Lmst		Ss		Sltstn
	Cht		Meta		Till		Shlyslts
	Clyst		Mrlst		Carb sh		Sltysht
	Coal		Salt		Dol		Lms
	Congl		Shale		Dtd		
	Dol		Shcol		Gry sh		

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr



- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

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



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

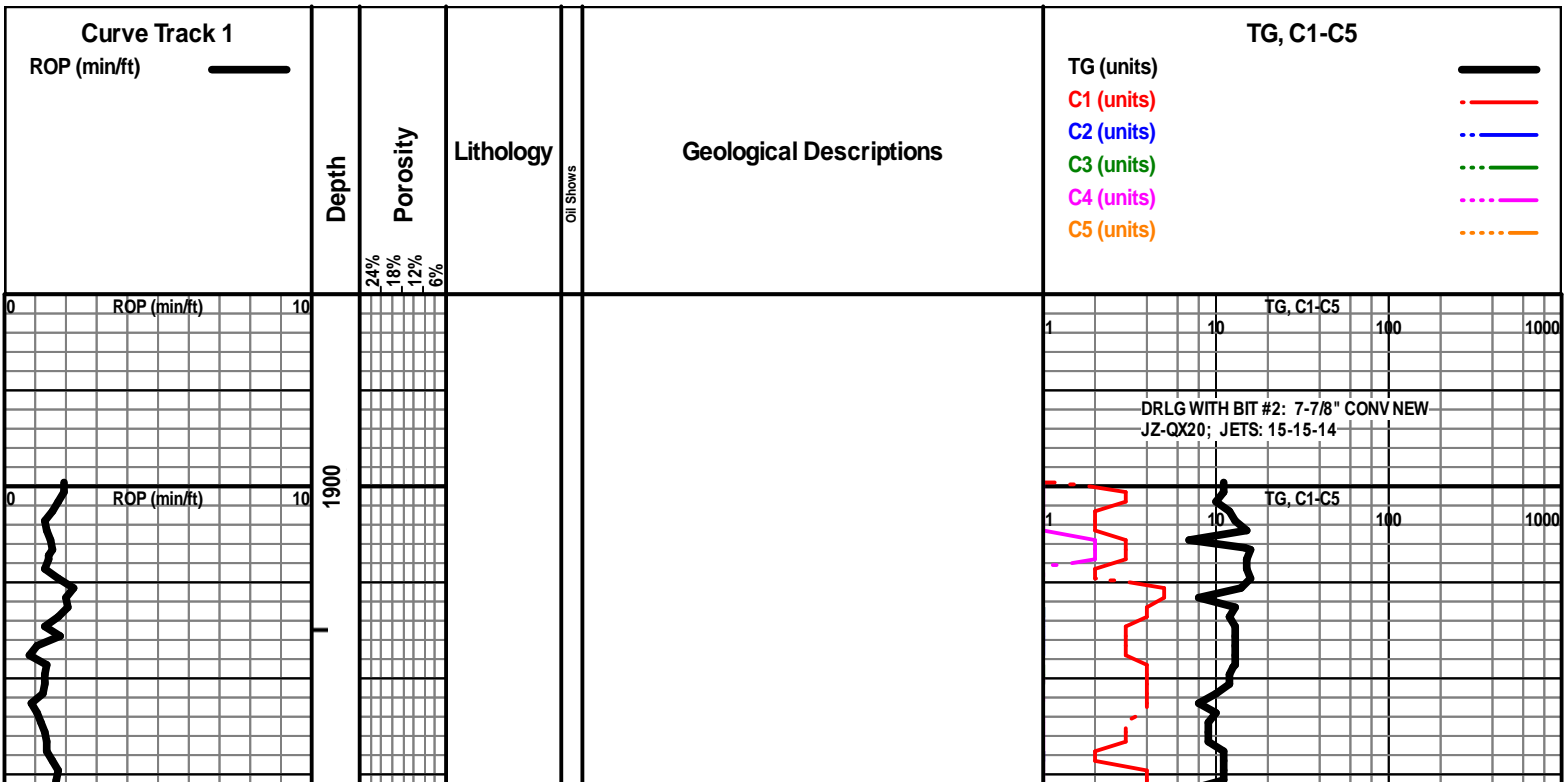
- Core
- Dst

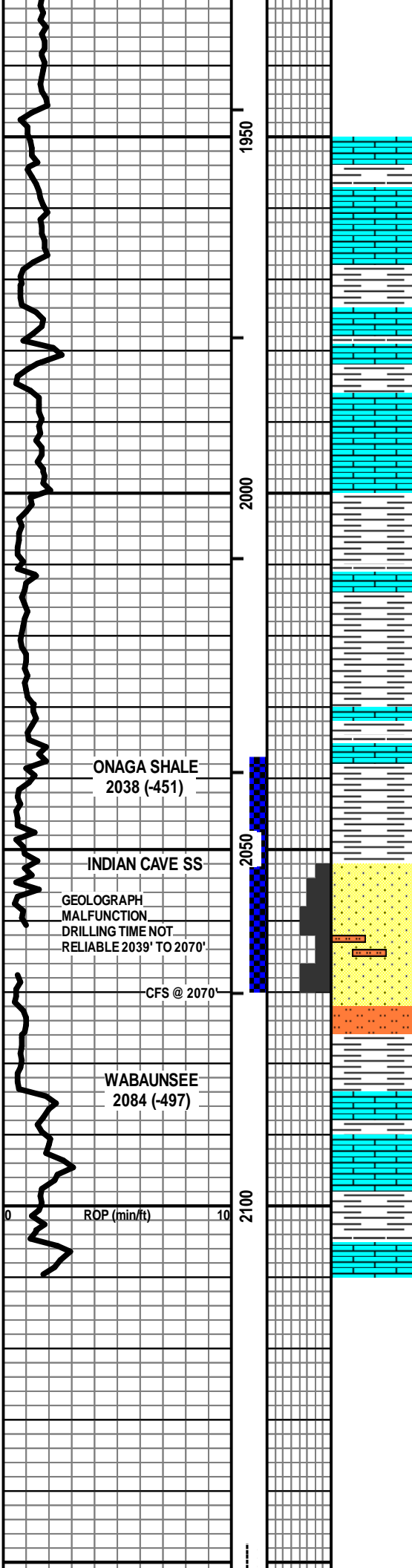


- Dst
- Dst_1_t
- Dst_1_b

EVENTS

- Rft
- Sidewall
- Conn





LS - TAN / CRM / GY, VF / F XLN, FOSS IN PT, PRED DNS, NS

LS - TAN / CRM / GY, VF / F XLN, FOSS + OOL IN PT, PRED DNS, NS W/SH - LT / DK GY

LS - TAN / GY / SCAT CRM, MOT IN PT, VF / F XLN, SL FOSS + OOL, PRED DNS, NS W/SH - LT / DK GY

SH - LT / DK GY W/LS - TAN / GY, MOT IN PT, VF / F XLN, SL FOSS, PRED DNS, NS

ONAGA SHALE
2038 (-451)

INDIAN CAVE SS

GEOLOGRAPH
MALFUNCTION
DRILLING TIME NOT
RELIABLE 2039' TO 2070'

CFS @ 2070'

WABAUNSEE
2084 (-497)

SS - LT GY, PRED VF QTZ GR, SLTY IN PT, SA / SR, W SRTD, PRED SIL CEM, MIC, F / G INTGR POR, SL / G SGB, SL / F OILY / DIST FILM

SS - AS ABOVE, SCAT SSGB + OILY / DIST FILM W/SLTST - LT / MED GY W/SH - LT / DK GY

LS - TAN / CRM / GY, VF / F XLN, FOSS IN PT, PRED DNS, NS W/SH - LT / MED GY

DST #1 (Indian Cave) 2,037'-2,070'
30" - 30" - 30" - 30"

IF: Weak blow, bldg to 4"
IS: No blow back
FF: Weak low, bldg to 3"
FSI: No blow back

RECOVERY: 130' Total Fluid:
130' WM (40% W, 60% M)
Chlorides recovery: 17,000 ppm

SIP: 712-678 HP: 959-946
FP: 17-46, 57-95 BHT: 93

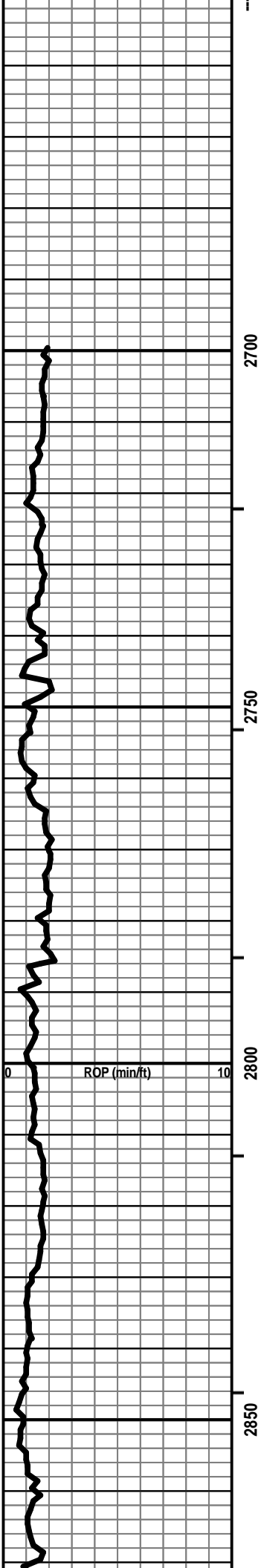
Vis: 28, Wt: 9.8
pH: 7.0, Sol: 6.4
Ch: 72,000

SPOT PREMIX WITH VIS FOR DST #1

ROP (min/ft)

TG, C1, C5

1000



2700

2750

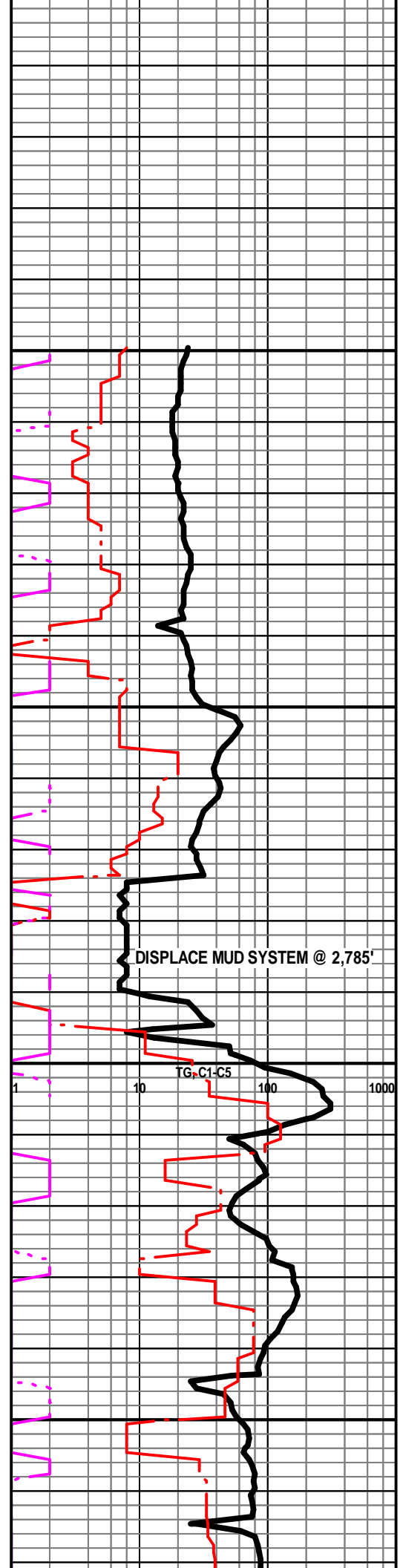
2800

2850

ROP (min/ft)

0

10



DISPLACE MUD SYSTEM @ 2,785'

TG, C1-C5

1

10

100

1000

2900

2950

3000

3050

HEEBNER
2992 (-1405)

ROP (min/ft)

LS - TAN / GY, MOT IN PT, VF / F XLN, SCAT M XLN, FOSS IN PT, PRED DNS, NS

SH - MED / DK GY / BLK, CARB IN PT

LS - TAN / BRN / SCAT CRM, VF / F XLN, FOSS IN PT, PRED DNS, NS W/SH - GY

PRED SH - GY / BLK, CARB IN PT W/LS - AA

LS - CRM / GY, VF / M XLN, FOSS IN PT, PRED DNS, NS

LS - TAN / BRN, VF / F XLN, TR FOSS, SUBCHKY IN PT, PRED DNS, NS

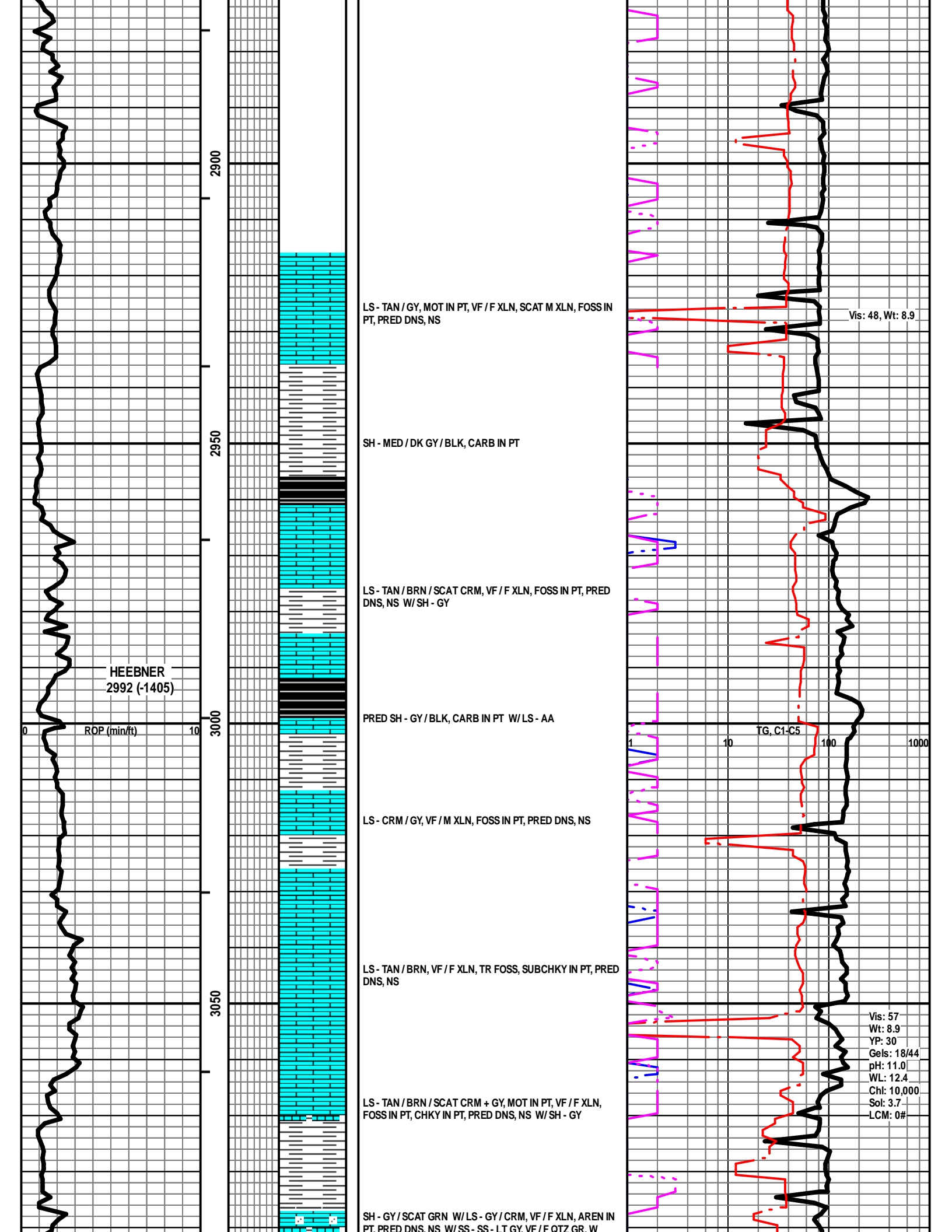
LS - TAN / BRN / SCAT CRM + GY, MOT IN PT, VF / F XLN, FOSS IN PT, CHKY IN PT, PRED DNS, NS W/SH - GY

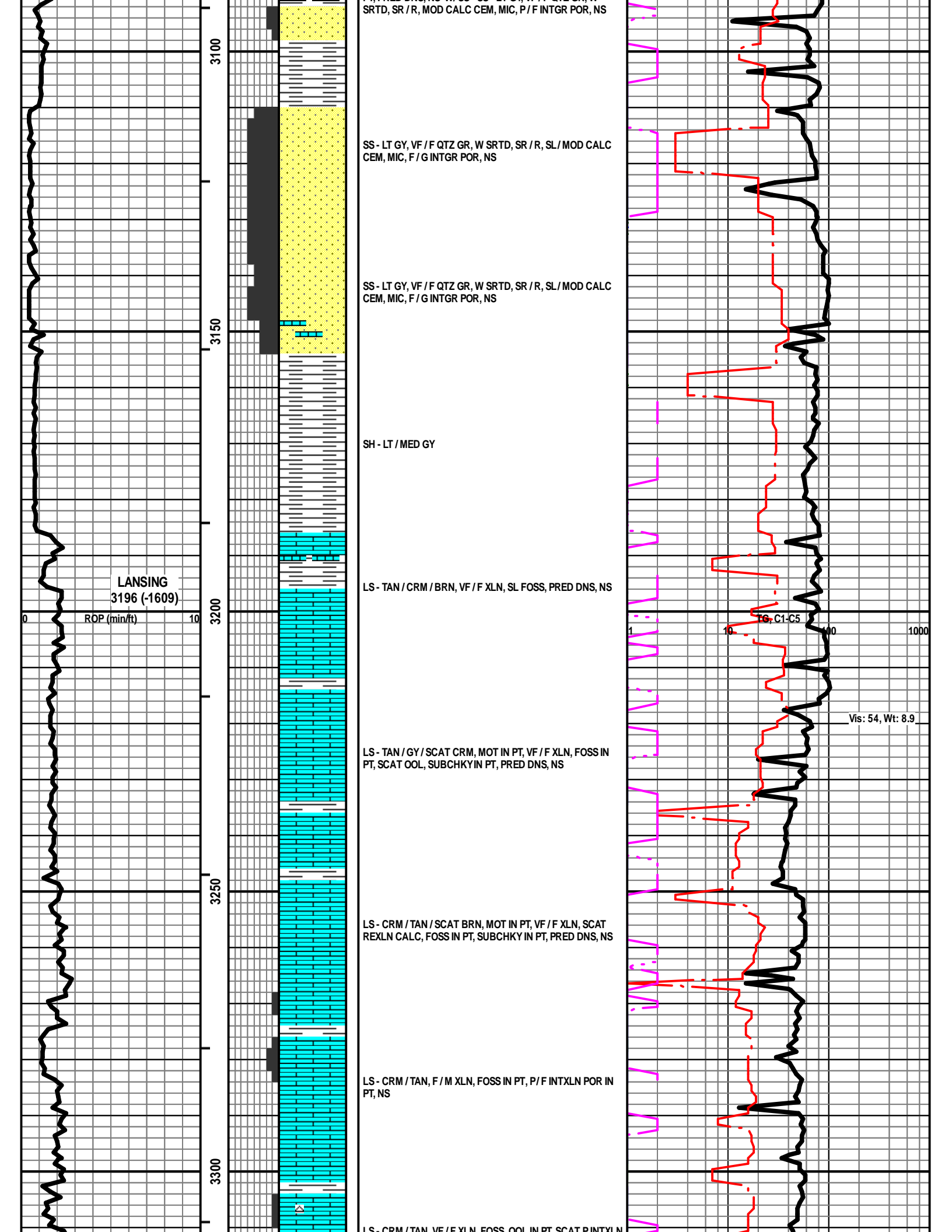
SH - GY / SCAT GRN W/LS - GY / CRM, VF / F XLN, AREN IN PT, PRED DNS, NS W/SS - SS - LT GY, VF / F QTZ GR. W

Vis: 48, Wt: 8.9

TG, C1-C5

Vis: 57
Wt: 8.9
YP: 30
Gels: 18/44
pH: 11.0
WL: 12.4
Chl: 10,000
Sol: 3.7
LCM: 0#





LS - CRM / TAN, VF / F XLN, FOSS IN PT, SCAT P INTXLN
POR, NS W/ TR CHT - LT GY / WHT

LS - CRM / TAN / SCAT GY, VF / F XLN, FOSS IN PT, SCAT P /
TR F INTXLN POR, TR PPT POR, NS

LS - CRM / TAN, VF / F / SCAT M XLN, FOSS IN PT, TR OOL, P /
F INTXLN POR, SCAT PPT POR, NS

LS - CRM / GY / TAN, VF / F XLN, TR P PPT + INTXLN POR,
CHKY IN PT, PRED DNS, NS W/ SH - MED / DK GY

LS - CRM / TAN, VF / F XLN, FOSS IN PT, TR P / F INTXLN +
MOLDIC POR, PRED DNS, NS

LS - TAN / BRN / CRM, MOT IN PT, VF / F XLN, SL FOSS, SCAT
CHKY, PRED DNS, NS W/ SCAT CHT - TAN / GY W/ SCAT SH
- MED / DK GY

LS - TAN / GY, VF / CRYPTO XLN, SL FOSS, PRED DNS, NS W/
SCAT CHT - GY / TAN

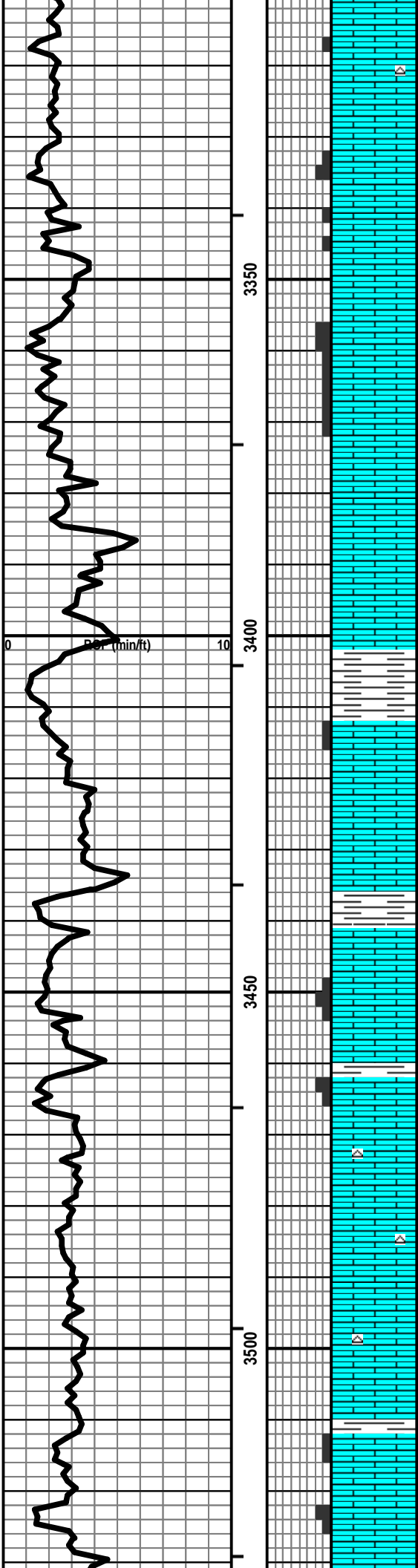
LS - CRM / TAN, VF / F XLN, SL FOSS, SCAT PPPT + INTXLN
POR, TR GB, NSFO, V FT ODOR, TR SPTY STN

TRIP FOR HOLE IN PIPE @ 3,373'

Vis: 50, Wt: 9.1

TG, C1-C5

Vis: 15, Wt: 9.2



Vis: 48, Wt: 9.3
YP: 15, Gels: 13/42
pH: 11.0, WL: 11.2
Chl: 8,000, Sol: 5.9
LCM: 0#

STARK SH
3548 (-1961)

3550

LS - CRM / TAN / LT GY, VF / F XLN, SCAT REXLN CALC, OOL
+ FOSS IN PT, TR P OOM POR, CHKY IN PT, PRED DNS, TR
GB, NSFO, V FT ODOR, TR SPTY STN W/ SH - BLK, CARB

LS - CRM / TAN, VF / F XLN, SL FOSS, PRED DNS, NS

ROP (min/ft)

3600

LS - CRM / TAN, F XLN, OOL, F / G OOM + INTXLN POR, NS,
NO ODOR, NO STN

CFS @ 3610'

LS - TAN / CRM / BRN, VF / F XLN, SL FOSS, PRED DNS, NS

3650

LS - TAN / BRN / GY, F XLN, SCAT REXLN CALC, FOSS IN PT,
SCAT OOL, PRED DNS, NS W/ SH - GY / GRN / RED

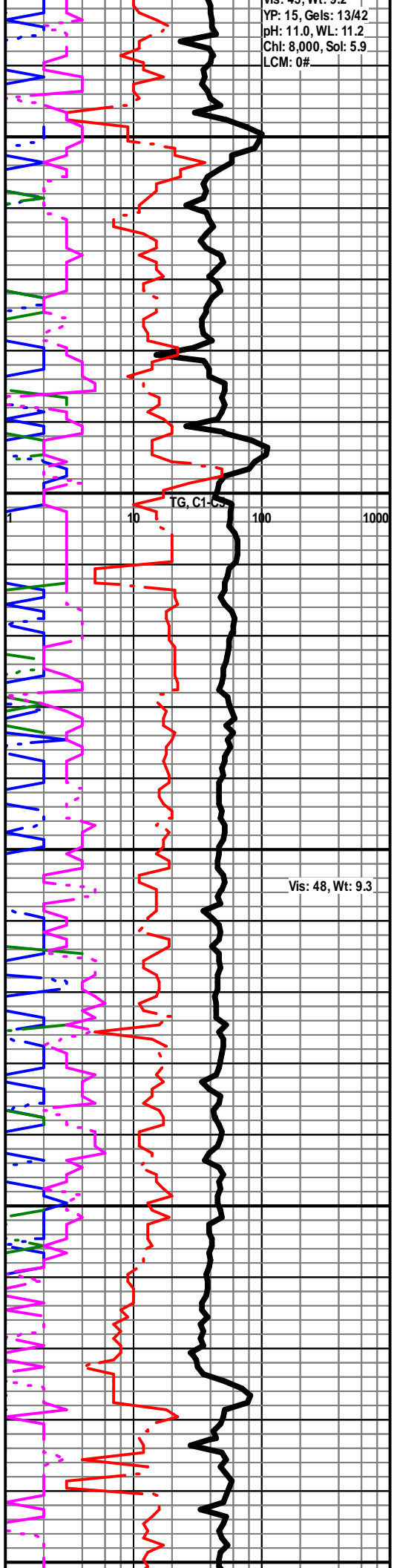
Vis: 48, Wt: 9.3

3700

LS - TAN / CRM, VF / F XLN, SCAT CRYPTO XLN, SL FOSS,
PRED DNS, NS

3750

LS - TAN / CRM / GY, MOT IN PT, VF / F XLN, FOSS IN PT,
SUBCHKY IN PT, PRED DNS, NS



CHEROKEE
3785 (-2198)

LS - TAN / CRM, VF / F XLN, FOSS IN PT, PRED DNS, NS W/
SH - MED / DK GY / BLK

Vis: 50, Wt: 9.5
LCM: 1#

ROP (min/ft)

LS - TAN / CRM / SCAT GY, MOT IN PT, VF / F XLN, FOSS IN PT,
PRED DNS, NS W/SH - DK GY / BLK

TG, C5

DST #2 (Miss Chert) 3,887'-3,902'
30" - 60" - 30" - 60"

IF: GTS in 3 min., gauged with 1/2 in. orifice:
10 min - 255 MCF, 20 min - 300 MCF,
30 min - 312 MCF

ISI: No blow back

FF: Gas gauged with 1/2 in. orifice:
10 min - 334 MCF, 20 min - 363 MCF,
30 min - 363 MCF

FSI: No blow back

SH - MED / DK GY / BLK / SCAT GRN W/SCAT LS - TAN / GY,
MOT IN PT, VF / F XLN, PRED DNS, NS

RECOVERY: 317' Total Fluid:
77' GWCM (10% G, 20% W, 70% M)
178' MCW (70% W, 30% M)
62' MCW (95% W, 5% M)
Chlorides recovery: 90,000 ppm

SIP: 1262-1256 HP: 1971-1910
FP: 137-150, 145-172 BHT: 117

SH - MED / DK GY / BLK / GRN W/SCAT LS - TAN / BRN, F /
M XLN, PRED DNS, NS

Vis: 48, Wt: 9.4
YP: 15, Gels: 12/44
pH: 10.5, WL: 9.6
Chl: 6,500, Sol: 7.4
LCM: 2#

MISS CHERT
3880 (-2293)

CHT - WHT / SCAT CRM, 85% F / G WEATH, ABNT TRIP +
MOD VUG POR, F / G SGB, SL / F SFO, G ODOR, SPTY / SEMI
SAT LT / MED STN, PRED G FLOUR + CUT

DST #2
3887'-3902'

CFS @ 3902'

CHT - WHT / SCAT CRM, 85% F / G WEATH, ABNT TRIP +
MOD VUG POR, F / G SGB, SL / F SFO, F ODOR, SPTY / SCAT
SAT LT / MED STN, P / G FLOUR + CUT

PIPE STRAP @ 3,902': LONG 4.13'

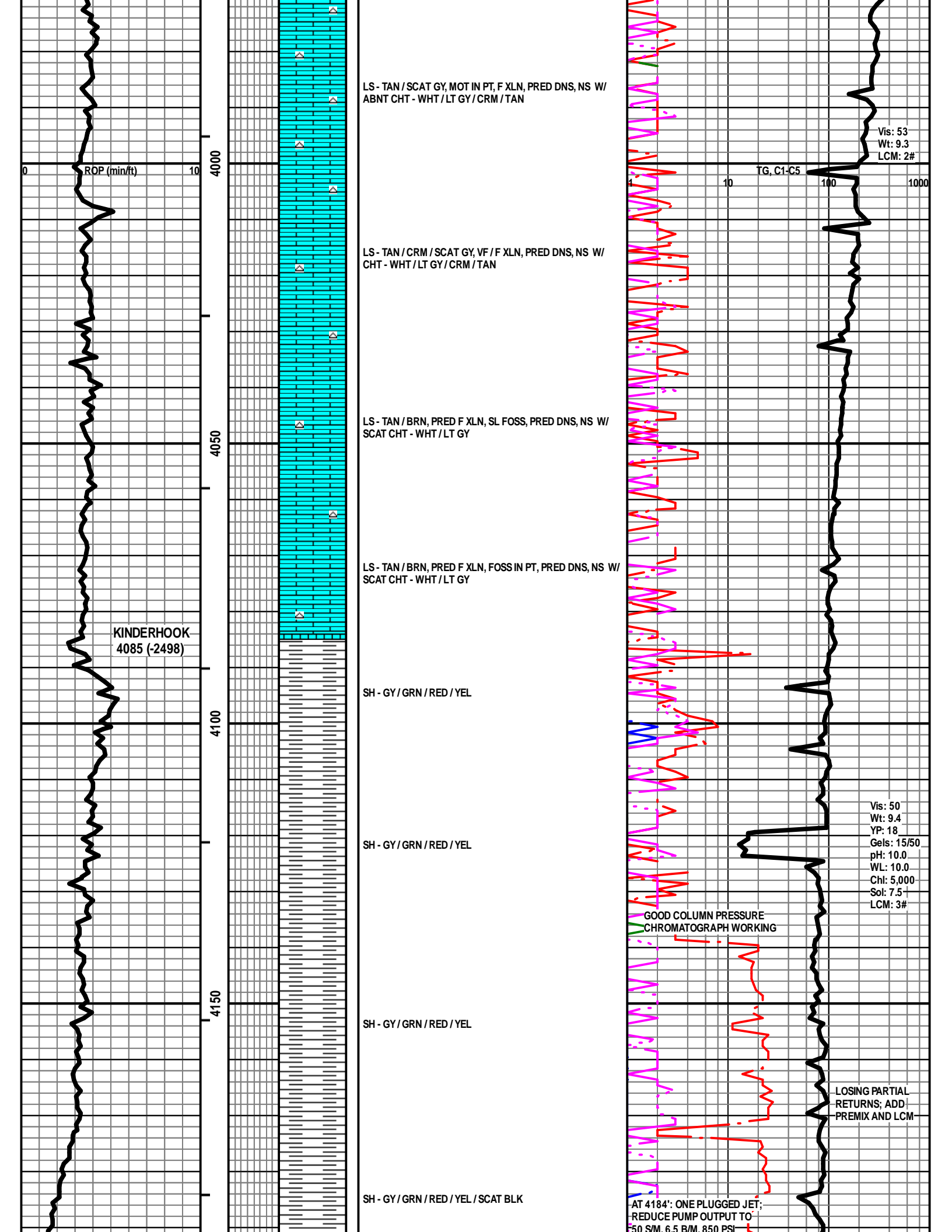
GAS DILUTED TO PROTECT
HOTWIRE FILAMENT 3903'-3953'

COLUMN PRESSURE WEAK
CAUSING CHROMATOGRAPH
MALFUNCTION 3903-4140'

CHT - WHT / SCAT CRM, 75% F / G WEATH, TRIP + VUG POR
IN PT, PRED NS, V FT ODOR, SPTY BLK GILS STN, PRED NO
FLOUR + CUT

3950

LS - GY / TAN, MOT IN PT, F XLN, PRED DNS, NS W/ ABNT
CHT - WHT / LT GY / CRM



ROP (min/ft)

4000

4050

4100

4150

KINDERHOOK
4085 (-2498)

LS - TAN / SCAT GY, MOT IN PT, F XLN, PRED DNS, NS W/
ABNT CHT - WHT / LT GY / CRM / TAN

LS - TAN / CRM / SCAT GY, VF / F XLN, PRED DNS, NS W/
CHT - WHT / LT GY / CRM / TAN

LS - TAN / BRN, PRED F XLN, SL FOSS, PRED DNS, NS W/
SCAT CHT - WHT / LT GY

LS - TAN / BRN, PRED F XLN, FOSS IN PT, PRED DNS, NS W/
SCAT CHT - WHT / LT GY

SH - GY / GRN / RED / YEL

SH - GY / GRN / RED / YEL

SH - GY / GRN / RED / YEL

SH - GY / GRN / RED / YEL / SCAT BLK

Vis: 53
Wt: 9.3
LCM: 2#

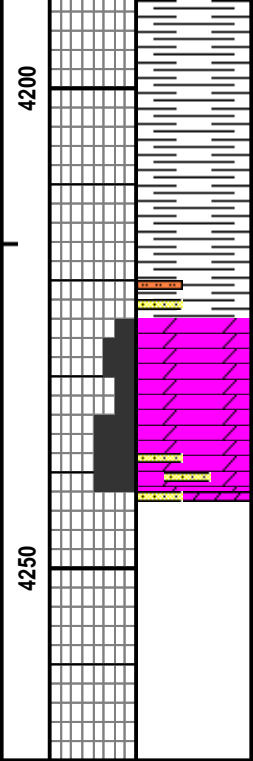
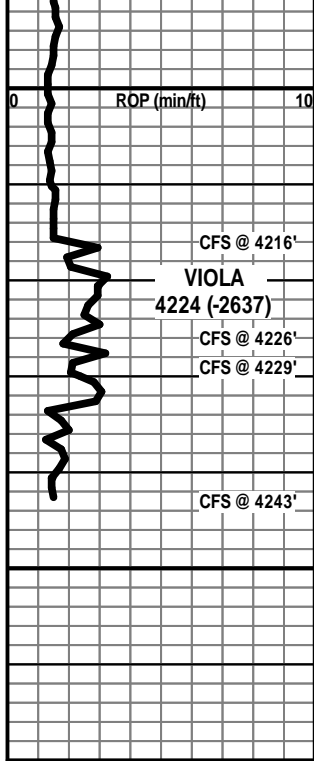
TG, C1-C5

Vis: 50
Wt: 9.4
YP: 18
Gels: 15/50
pH: 10.0
WL: 10.0
Chl: 5,000
Sol: 7.5
LCM: 3#

GOOD COLUMN PRESSURE
CHROMATOGRAPH WORKING

LOSING PARTIAL
RETURNS; ADD
PREMIX AND LCM

AT 4184': ONE PLUGGED JET;
REDUCE PUMP OUTPUT TO
50 S/M. 6.5 B/M. 850 PSI



SH - GY / GRN / RED / YEL / SCAT BLK

SH - GY / GRN / RED / YEL / SCAT BLK W/ SCAT SLTST - GY / SCAT GRN W/ TR SS - LT GY, F QTZ GR, W SRTD, SR / R, P INTGR POR, NS

DOLO - LT GY / WHT, M / C XLN, SCAT PYR, P / SCAT G INTXLN POR, SCAT VUG POR, SSFO IN PT, TR GB, PRED NS, V FT ODOR, TR SPTY STN, NO / SCAT G FLOUR + CUT

DOLO - LT GY / WHT, M / C XLN, RHOMBIC IN PT, SCAT PYR, AREN IN PT, P / G INTXLN POR, SCAT VUG POR, NO / P SFO IN PT, PRED NS, NO ODOR, SCAT SPTYSTN

TOTAL DEPTH 4243 (-2656)

