KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1083782

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 # 5399
Name: American Energies Corporation
Address 1: 155 N MARKET STE 710
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: Mindy Wooten
Phone: (316) 201-1134
CONTRACTOR: License # 33549
Name: Landmark Drilling, LLC
Wellsite Geologist: David Goldak
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

04/19/2012	04/27/2012	05/07/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-095-22253-00-00
Spot Description:
NE - NW - NE - SW Sec. 27 Twp. 27 S. R. 7 [ ] East [x] West
2520 Feet from [ ] North / [x] South Line of Section
1965 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Kingman
Lease Name: Thissen Well #: 4-27
Field Name: Thissen
Producing Formation: Viola
Elevation: Ground: 1599 Kelly Bushing: 1606
Total Depth: 4360 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 307 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 10000 ppm Fluid volume: 850 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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrisor **Date:** 06/12/2012

Side Two

1083782

Operator Name: American Energies Corporation Lease Name: Thissen Well #: 4-27

Sec. 27 Twp. 27 S. R. 7 ☐ East ☑ West County: Kingman

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Compensated Neutron/Density PE
Micro Log
Dual Induction

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

Name	Top	Datum
Attached	Attached	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	8.6250	23	307	Class A	175	2%CC,3% Gel
Production	7.8750	5.5	15.5	4363	ASC	125	None

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 *(Amount and Kind of Material Used)*	Depth
2	4260	250' MCA	4260

TUBING RECORD: Size: 2.8750 Set At: 4218 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 05/24/2012

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	50		1.5		

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:

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

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Thissen 4-27
Doc ID	1083782

Tops

Name	Top	Datum
Onaga Shale	2030	-424
Indian Cave	2066	-460
Wabaunsee	2116	-510
Heebner	2974	-1368
Lansing	3226	-1620
Stark Shale	3572	-1966
Cherokee	3813	-2207
Mississippian	3926	-2320
Kinderhook	4140	-2534
Viola	4259	-2653
Simpson Sd A	4282	-2676
Simpson Sd B	4298	-2692

American Energies
Corporation

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

DRILLING AND COMPLETION REPORT

Thissen #4-27

LOCATION: 2520' FNL & 1965' FWL in NW/4 Section 27-27S-7W
COUNTY: Kingman
API: 15-095-22253-0000
CONTRACTOR: Landmark Drilling, Rig #6
GEOLOGIST: David Goldak
NOTIFY: American Energies Corp. Dianne Y. DeGood Family Trust, Gar Oil Corp., Hyde Resources, Inc., Debbie Schmitt, LLC MTM Petroleum, Inc., Pickrell Drilling, Kathleen A. Hill, Buffalo Creek Oil and Gas, LLC, R & T Investments

SURFACE CASING: 8 5/8", 23# set at 307'
PRODUCTION CASING: 5 ½", 15.5# New set at 4363'
ANTICIPATED RTD: 4300'
RTD: 4360'
G.L.: 1597' **K.B.:** 1606'
SPUD DATE: 4-19-12
COMPLETION DATE: 4-26-12
REFERENCE WELLS:
#1 – AEC's Thissen 1-27 – NE NW SW 27-27S-7W
#2 – AEC's Thissen 2-27 – SE SW NW 27-27S-7W

FORMATION:	SAMPLE LOG:		Comparison:		ELECTRIC LOG TOPS:		Comparison:	
			#1-27	#2-27			#1-27	#2-27
Onaga Shale	2029	- 423	+2	+3	2030	-424	+1	+2
Indian Cave	2056	- 450	+3	+1	2066	-460	-7	flat
Wabaunsee	2114	- 508	+3	-2	2116	-510	+1	flat
Heebner	2973	-1367	Flat	-4	2974	-1368	-1	-5
Lansing	3224	-1618	+3	-4	3226	-1620	+1	-6
Stark Shale	3570	-1964	+5	+1	3572	-1966	+3	-1
Cherokee	3810	-2204	+6	+2	3813	-2207	+3	-1
Mississippian	3923	-2317	+11	+7	3926	-2320	+8	+4
Kinderhook	4124	-2518	+7	+6	4140	-2534	-9	-10
Viola	4256	-2650	+2	+2	4259	-2653	-1	-1
Simpson Ss A	4276	-2670	+3	N/A	4282	-2676	-3	NA
Simpson Ss B	4293	-2687	+1	N/A	4298	-2692	-4	NA
Total Depth	4360	-2754			4364	-2758		

04-19-12 Landmark Drilling, LLC, Rig #6 – MIRT, RURT

04-20-12 Drilling out cement plug, at 310' and waiting on cement. Spud well at 11:15 a.m. on 4-19-12, set surface casing 307'. Drilled 12 ¼" surface hole. Ran in 7 jts of 8 5/8" new 23# surface casing set at 307'. Allied cemented w 175 sx Class A Cement w 2% CC, 3% Gel. Plug down at 10:45 p.m.

04-21-12 Drilling ahead at 1780'.

04-22-12 Drilling ahead 2676'.

04-23-12 Drilling ahead at 3395'.

04-24-12 Tripping in hole @ 3576' at 7:00 a.m. after DST #1. Results DST #1: 3542 – 3576' (Dennis) Times:15-30-45-60, IF: Strong blow off bottom of bucket in 20 seconds. FF: Strong blow off bottom of bucket in 10 seconds. GTS in 9 minutes – too small to measure into second flow period. Rec: 10' GO, (20% G, 80% O), 115' GOCM (30% G, 20% O, 50% M), ISIP: 667, FSIP: 578, IFP: 35-40, FFP: 38-68, IHP: 1764, FHP: 1704 Temperature 113 degrees.

04-25-12 Circulating for samples at 3940'.

04-26-12 At 4260' and tripping in hole for DST #2, Viola: 4256-60' Times:30-60-30-60. Rec 2700' TF, reversed out fluid 2615' clean gassy oil, 115' GOWCM (5% g, 13% oil, 30% SW, 52% Mud. Should make a good well, and run open hole logs. DIL, CNL/FDCwGR. IF: Strong Blow, BOB in 30 seconds. ISI: 2" Blow Back. FF: Strong Blow,BOB in 90seconds. GTS in 3 minutes, too small to measure. FSI: BOB Blow back in10 minutes. IFP:156-616, ISIP:1537, FFP:617-958, FSIP:1537 IH: 2118', FH: 2091, Gravity:41, Temperature 140 degrees.

04-27-12 At 4360'. TOH for Logs, Logging today and running pipe.

04-27-12 In reviewing the logs The Viola pay zone from 4260 t0 68 appears to be separated from a lower bench of Viola porosity by a 4' shale zone. The upper bench has good resistivity and the lower bench is wet. We will run 5 ½" casing cement it in with 125Sxs proceeded by 500 gallons of mud flush. Cementing is scheduled for around midnight.

04-28-12 Ran 104 jts of new 5 ½", 15.5# production casing to 4363' and tagged bottom. Came up 3' to 4360' and circulated for 1 hour. Hooked up Allied Cementing and started down with 500 gallons mud flush and then 125 sx of ASC cement. Plug down at 5:00 a.m. circulated throughout. Allied Ticket #38055.
Set 21' shoe joint, Centralizers at 4343, 4301, 4217, 4175 and 4091'.

05/07/12 RU American Energies Rig #2. Log Tech of Kansas, ran Cement Bond Log, indicated good cement bond. Swabbed to 2300'.

05/08/12 Rig up Perforator's, TIH w Perf gun, **Perforated at 4260', 2 shots**. Swab down SION.

05/09/12 Swabbed fluid at 4300' with 75' gas w/trace of oil. Swabbed 25' fluid with gassy oil on top. Swabbed down, no fluid entry Spotted 250' MCA on perfs & 2000' water on acid, continued to add 500' every 30" for 1-1/2 hours. Fluid level 800' from Surface, started the last 12-1/2 bbls, zone broke down, went on vacuum. Static level at 1500' from surface, started swabbing Swabbed back 30 bbls of water. SION.

05/10/12 7:00 a.m. – Gas at surface went on in with casing sub, pulled 250 bbl fluid, well kicked off flowing at a rate of 14 barrels of oil per hour. Will allow well to die and run 2-7/8" tubing, rods and pump.

05/11/12 Went in tagged fluid 450' from surface. Pulled 250' & had 240' oil with good show of gas. After 5 minutes, well stated flowing:

1st hour: Flowed 10 bbls
2nd hour: Flowed 3.5 bbls
3rd hour: Flowed 0 bbls, just gas.

Ran MA, SN & **110 joints new 2-7/8" tubing to 4218'. Ran 14' RWB pump, 30 7/8" rods, 68 3/4" & 70 7/8 rods, 22' polish rod with 2 -5' subs.** Hook up well head & RDMO. Will set equipment next week.

05/21/12 **Set 228 Century Pumping Unit with 25 HP Electric motor. Will use existing tank battery.**

05/24/12 Started pumping unit and well began pumping at 1:00 p.m. today.

	BO – Total Lease Production	**NOTES**
05/25/12	65	97% Oil and 3% Water at wellhead
05/26/12	85	
05/27/12	86	Thissen 4-27 making approx. 68 BOPD, 1-27, 2-27, 3-27 making 18 BOPD
05/28/12	70	
05/29/12	71	Hooking up chemical pump today – having some water problems.
05/30/12	42	Removed 20 bbls water from Heater Treater
05/31/12	30	Storm came thru around 5:00 p.m. and knocked out power - wells all down when pumper arrived on location this morning.
06/01/12	65	
06/02/12	71	
06/03/12	63	#2 well down with motor problems – still making approximately 3% water.
06/04/12	65	
06/05/12	65	#2 well up and running – motor repaired.
06/06/12	66	
06/07/12	65	

DRILL STEM TEST REPORT

American Energies Corporation

155 N Market Ste 710
Wichita, KS 67202

ATTN: Dave Goldak

27-27S-7W Kingman

Thiessen 4-27

Job Ticket: 47486 **DST#: 1**

Test Start: 2012.04.23 @ 22:46:01

GENERAL INFORMATION:

Formation: **Dennis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:52:16
Time Test Ended: 05:32:01

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 45

Interval: 3542.00 ft (KB) To 3576.00 ft (KB) (TVD)
Total Depth: 3576.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

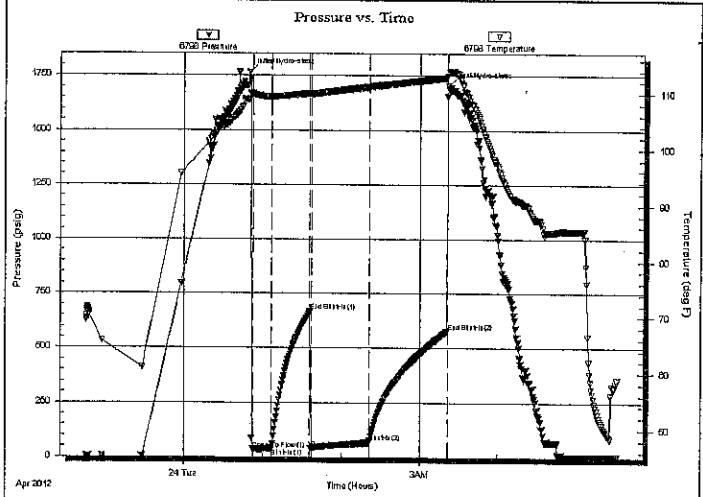
Reference Elevations: 1606.00 ft (KB)
1597.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 67.66 psig @ 3543.00 ft (KB)
Start Date: 2012.04.23 End Date: 2012.04.24
Start Time: 22:46:02 End Time: 05:32:01

Capacity: 8000.00 psig
Last Calib.: 2012.04.24
Time On Btm: 2012.04.24 @ 00:49:46
Time Off Btm: 2012.04.24 @ 03:21:46

TEST COMMENT: IF: Strong Blow, BOB in 20 seconds
ISI: No Blow Back
FF: Strong Blow, BOB in 10 seconds, GTS in 9 minutes, TSTM
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.54	109.05	Initial Hydro-static
3	35.25	109.89	Open To Flow (1)
17	40.35	109.38	Shut-In(1)
47	667.19	110.06	End Shut-In(1)
48	37.92	109.87	Open To Flow (2)
92	67.66	111.18	Shut-In(2)
151	578.02	112.82	End Shut-In(2)
152	1703.71	113.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3401 GIP	0.00
115.00	GOCM 30%G 20%O 50%M	0.57
10.00	GSY OIL 20%G 80%O	0.14

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corporation

155 N Market Ste 710
Wichita, KS 67202

ATTN: Dave Goldak

27-27S-7W Kingman

Thiessen 4-27

Job Ticket: 47486 **DST#: 1**

Test Start: 2012.04.23 @ 22:46:01

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36.3 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3401 GIP	0.000
115.00	GOCM 30%G 20%O 50%M	0.566
10.00	GSY OIL 20%G 80%O	0.140

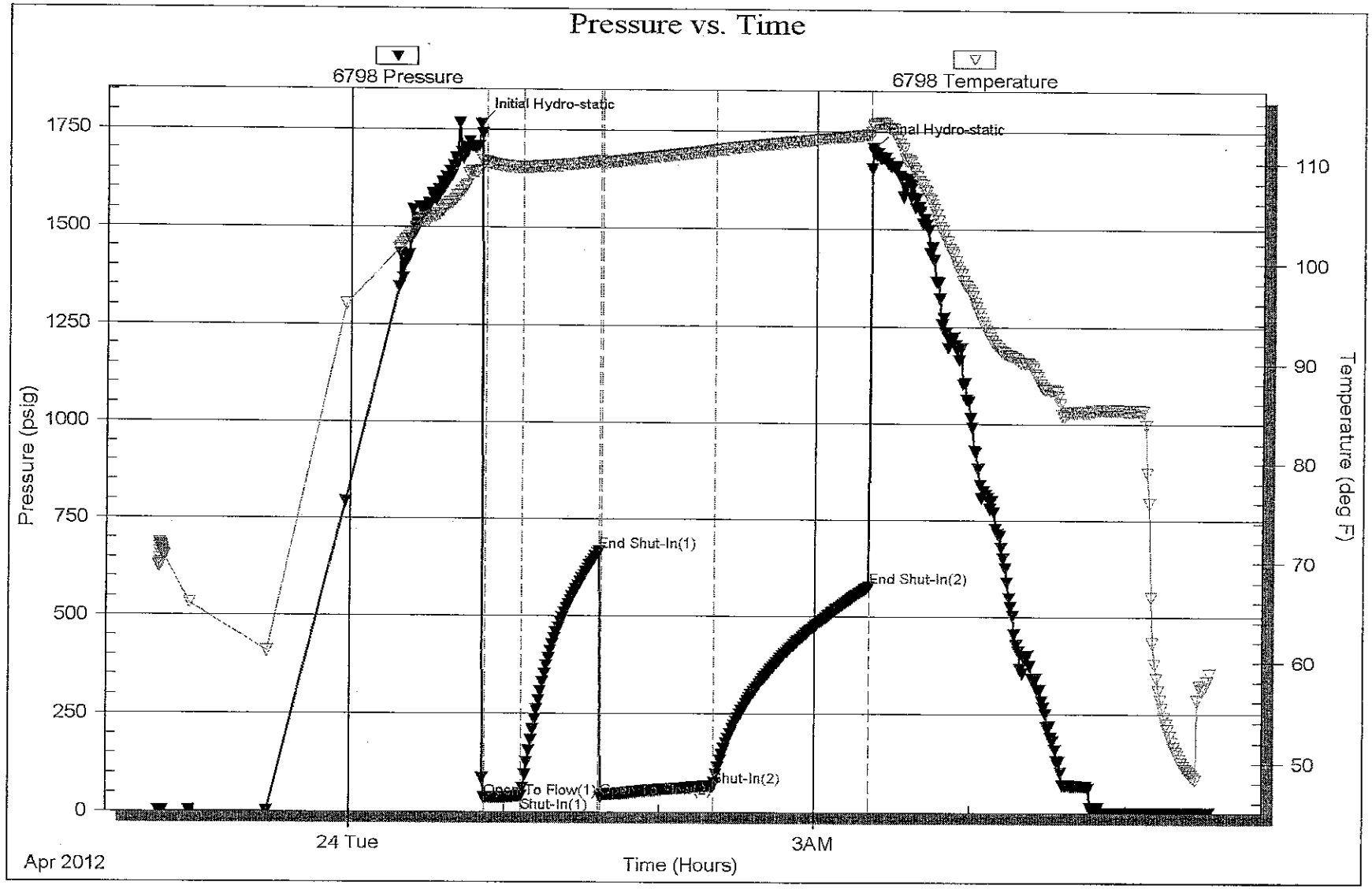
Total Length: 125.00 ft Total Volume: 0.706 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity Was 36.3 @ 60 degrees

Serial #: 6798 **Inside** American Energies Corporation Thiessen 4-27 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47486 Printed: 2012.04.24 @ 07:25:48

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

American Energies Corporation

155 N Market Ste 710
Wichita, KS 67202

ATTN: Dave Goldak

27-27S-7W Kingman

Thiessen 4-27

Job Ticket: 47487 **DST#: 2**

Test Start: 2012.04.26 @ 06:02:09

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:36:39
Time Test Ended: 16:16:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 45

Interval: 4256.00 ft (KB) To 4260.00 ft (KB) (TVD)
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

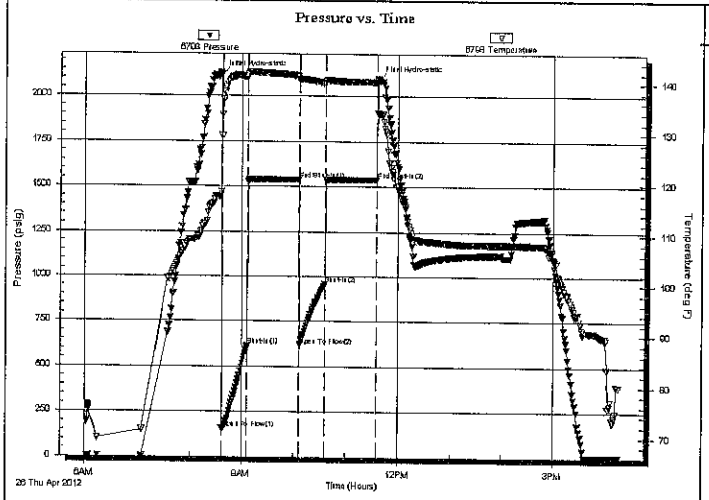
Reference Elevations: 1606.00 ft (KB)
1597.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 957.78 psig @ 4257.00 ft (KB)
Start Date: 2012.04.26 End Date: 2012.04.26
Start Time: 06:02:10 End Time: 16:16:09

Capacity: 8000.00 psig
Last Calib.: 2012.04.26
Time On Btm: 2012.04.26 @ 08:35:54
Time Off Btm: 2012.04.26 @ 11:36:39

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds
ISI: 2 inch Blow Back
FF: Strong Blow , BOB in 90 seconds, GTS in 3 minutes, TSTM
FSI: BOB Blow Back in 10 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.29	118.57	Initial Hydro-static
1	156.23	129.53	Open To Flow (1)
31	616.22	141.17	Shut-In(1)
90	1537.14	141.55	End Shut-In(1)
91	616.95	140.53	Open To Flow (2)
120	957.78	140.10	Shut-In(2)
180	1537.12	140.30	End Shut-In(2)
181	2090.63	134.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1514 GIP	0.00
115.00	GOWCM 5%G 13%O 30%W 52%M	0.57
2615.00	Oil	36.68

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corporation

155 N Market Ste 710
Wichita, KS 67202

ATTN: Dave Goldak

27-27S-7W Kingman

Thiessen 4-27

Job Ticket: 47487 **DST#: 2**

Test Start: 2012.04.26 @ 06:02:09

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	41.4 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	65000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1514 GIP	0.000
115.00	GOWCM 5%G 13%O 30%W 52%M	0.566
2615.00	Oil	36.682

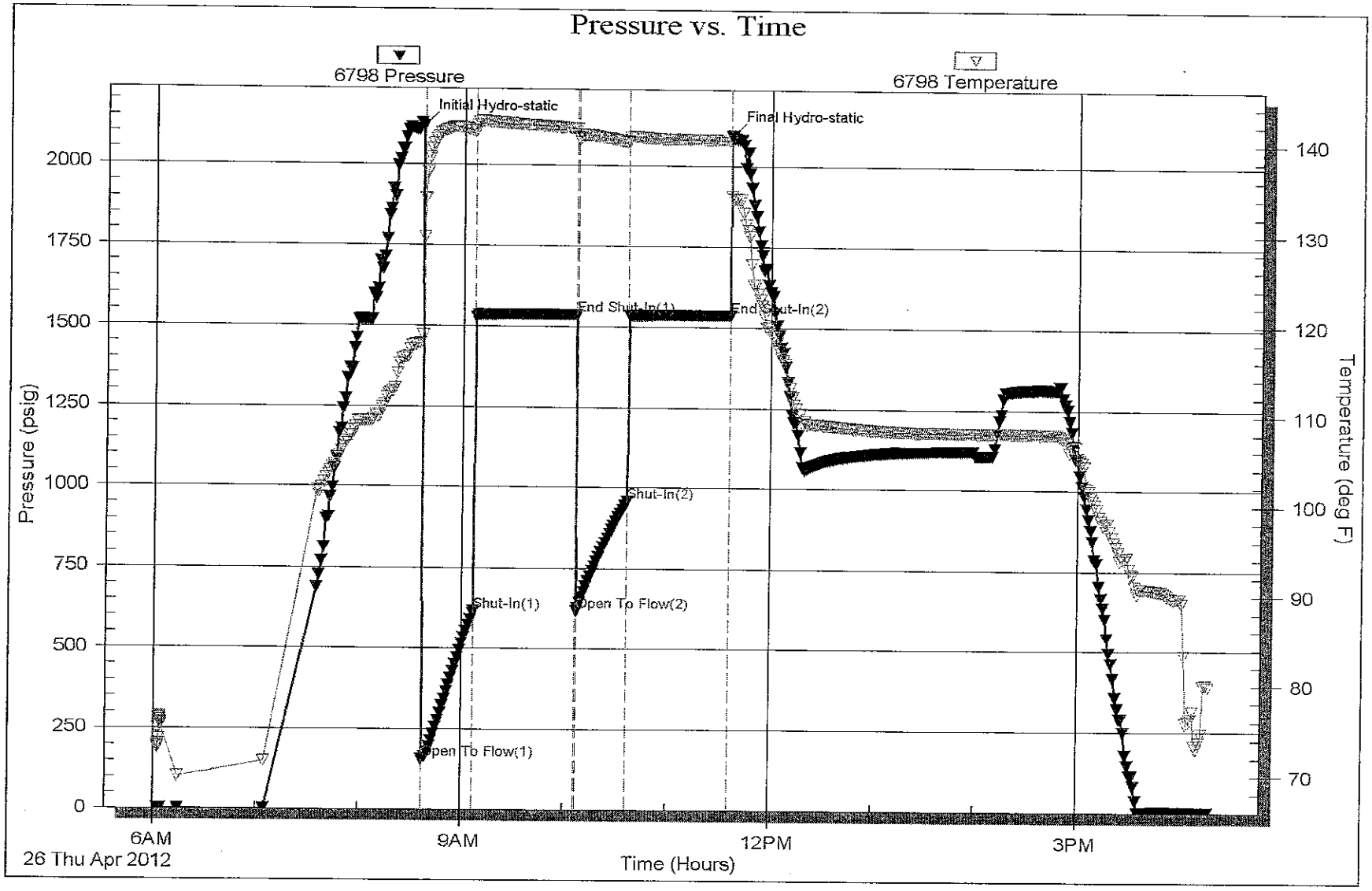
Total Length: 2730.00 ft Total Volume: 37.248 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity Was 44.4 @ 90 degrees
RW was .085 @ 90 degrees

Serial #: 6798 **Inside** American Energies Corporation Thiessen 4-27 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47487 Printed: 2012.04.27 @ 08:05:13

ALLIED OIL & GAS SERVICES, LLC 054094

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Medicine Lodge KS

DATE 04/19/2012	SEC. 27	TWP. 27S	RANGE 7W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 1045 PM
LEASE Thissen	WELL # 4-27	LOCATION Kingman I East to Rd 20, North to T, East 500ft to Cattlegaurd, North, Look for Rig				COUNTY Kingman	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Landmark Drilling
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 311
CASING SIZE 8 5/8 DEPTH 310
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15
PERFS.
DISPLACEMENT 18½ bbl H2O

OWNER Anar Energies Corp

EQUIPMENT

PUMP TRUCK CEMENTER Jason Thiessen
#360/265 HELPER George Wright
BULK TRUCK
364 DRIVER Matt Thiessen
BULK TRUCK
DRIVER

REMARKS:

Did circ cement

CHARGE TO: Anar Energies Corp
STREET
CITY STATE ZIP

CEMENT

AMOUNT ORDERED 175 sx Class A + 3% cc + 2% Gel

COMMON Class A	175	@ 16.25	2843.75
POZMIX		@	
GEL	4	@ 21.25	85
CHLORIDE	6	@ 58.20	349.20
ASC		@	
HANDLING	185	@ 2.25	416.25
MILEAGE	185X 60 X.11		1221
		TOTAL	4915.20

SERVICE

DEPTH OF JOB	310		
PUMP TRUCK CHARGE			1134.50
EXTRA FOOTAGE		@	
MILEAGE	60	@ 7.00	420
MANIFOLD Head + swedge		@	200
LV	60	@ 4.00	240
		@	
		TOTAL	1994.50

PLUG & FLOAT EQUIPMENT

Wooden plug	1	@ 92	92
		@	
		TOTAL	92

SALES TAX (If Any)
TOTAL CHARGES 7001.70
DISCOUNT IF PAID IN 30 DAYS

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 Rick Collins
SIGNATURE

RECD MAY 1 2012

Minder 316-263-1851

ALLIED CEMENTING CO., LLC. 038055

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Medicine Lodge KS Fri Sat

DATE 04-27-12	SEC. 27	TWP. 27s	RANGE 07w	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 5:00Am
LEASE Thiessen	WELL # 4-27	LOCATION				COUNTY Kingman	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Landmark #6
TYPE OF JOB Production Casing
HOLE SIZE 7⅞ T.D. 4360
CASING SIZE 5½ DEPTH 4364
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1200# MINIMUM —
MEAS. LINE SHOE JOINT 21.17
CEMENT LEFT IN CSG. 21'
PERFS.
DISPLACEMENT 103 Bbls Fresh H2O

OWNER American Energies

CEMENT
AMOUNT ORDERED 30 sx 60:40:4% gel & 125sx class A "ASC + 5# Kolseal + .5% FL-160 & 500gals ASF

EQUIPMENT

PUMP TRUCK CEMENTER D. Fedio
#360-265 HELPER G. Weight
BULK TRUCK
#364 DRIVER J. Hawk / D. Gibbons
BULK TRUCK
DRIVER

COMMON class A	185sx	@ 16.25	292.50
POZMIX	125x	@ 8.50	102.00
GEL	15x	@ 21.21	21.21
CHLORIDE		@	
ASC class A	125	@ 19.00	2375.00
		@	
Kolseal	625#	@ .89	556.25
		@	
FL-160	57#	@ 17.20	1014.90
		@	
ASF	500gals	@ 1.25	637.50
		@	
		@	
HANDLING 192		@ 2.25	432.00
MILEAGE 50 · 192 · .11			1056
		TOTAL	6484.80

REMARKS:

Job Job 109
J Hawk

SERVICE

DEPTH OF JOB 4364			
PUMP TRUCK CHARGE			2405.00
EXTRA FOOTAGE		@	
MILEAGE 50		@ 7.00	350.00
MANIFOLD headrental		@	200.00
Light Vehicle 50		@ 4.00	
		@	200.00
		TOTAL	3155.00

CHARGE TO: American Energies
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-AFU Float Shoe		@	349.00
1-Latchdown Plug Assy.		@	277.00
5-centralizers		@ 49.00	245.00
		@	
		@	
		TOTAL	871.00

To Allied Cementing Co., 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 10510.80
DISCOUNT IF PAID IN 30 DAYS 8408.64

PRINTED NAME Thad Starr
SIGNATURE Thad Starr

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS

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

Well Name:	**Thissen #4-27**		
Location:	**Section 27 - T27S - R7W**		
License Number:	**API: 15-095-22253**	**Region:**	**Kingman Co., KS**
Spud Date:	**04 / 19 / 2012**	**Drilling Completed:**	**04 / 27 / 2012**
Surface Coordinates:	**2520' FNL and 1965' FWL**		
	Approx. C - E/2 - W/2		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1597'**	**K.B. Elevation (ft):**	**1606'**
Logged Interval (ft):	**1900' To: 4360'**	**Total Depth (ft):**	**4360'**
Formation:	**Simpson**		
Type of Drilling Fluid:	**Chemical - Mud-Co**		

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	310	310	6.75
2	7-7/8	JZ-QX20	15-15-14	4360	4050	98.25

SURVEYS: 310'-1.0, 3576'-0.75, 4260'-1.5, 4360'-0.75

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 750 psi at standpipe.

Daily Status

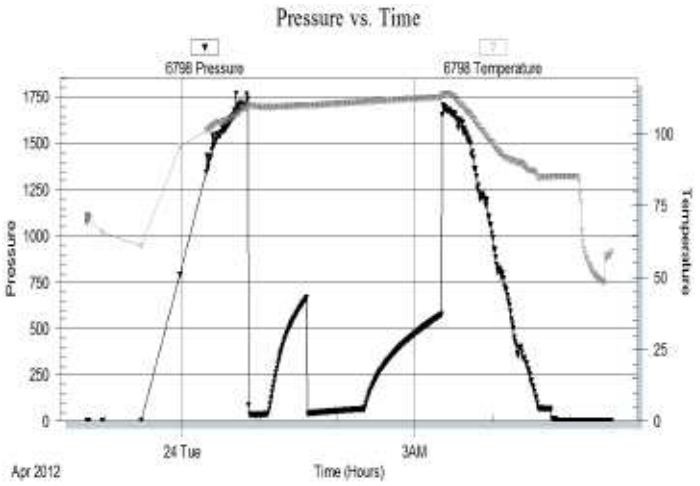
04/19/12 - Spud @ 11:15 AM; Set 8-5/8" Csg at 307'
04/20/12 - 310' Drilling Plug
04/21/12 - 1,780' Drilling
04/22/12 - 2,676' Drilling
04/23/12 - 3,395' Drilling; Trip for hole in pipe @ 3,423'
04/24/12 - 3,576' TIH after DST #1
04/25/12 - 3,940' CFS
04/26/12 - 4,260' TIH with DST #2
04/27/12 - 4,360' TOOH for logs

DST #1: 3,542' - 3,576' (Dennis)
15" - 30" - 45" - 60"

IF: Strong blow, BOB in 20 sec.
ISI: No blow back
FF: Strong blow, BOB in 10 sec.; GTS in 9 min., TSTM
FSI: No blow back

RECOVERY: 125' Total Fluid, consisting of:
10' GO (20% G, 80% O); Gravity: 36
115' GOCM (30% G, 20% O, 50% M)

SIP: 667-578; FP: 35-40, 38-68; HP: 1764-1704;
BHT: 113

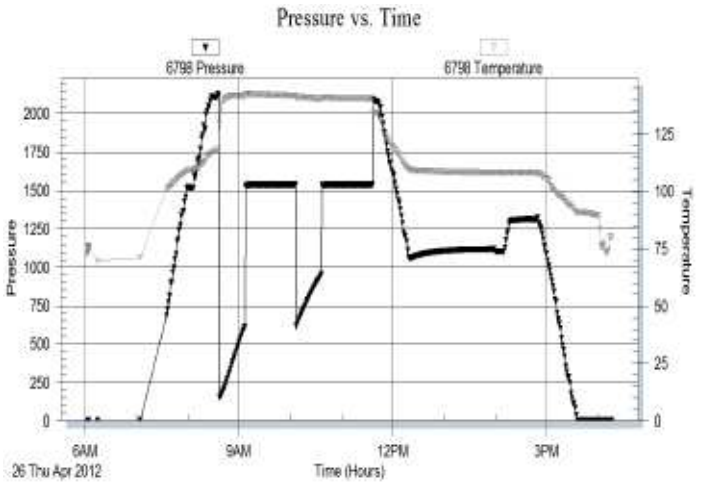


DST #2: 4,256' - 4,260' (Viola) 30" - 60" - 30" - 60"

IF: Strong blow, BOB in 30 sec.
ISI: 2 inch blow back
FF: Strong blow, BOB in 90 sec.; GTS in 3 min., TSTM
FSI: BOB in 10 min. blow back

RECOVERY: 2730' Total Fluid, consisting of:
2615' CGO; Gravity: 41; Rev circ & Rec approx 30 bbls.
115' GOWCM (5% G, 13% O, 30% W, 52% M)
Chlorides recovery water: 65,000 ppm

SIP: 1537-1537; FP: 156-616, 617-958; HP: 2118-2091;
BHT: 140



ROCK TYPES

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

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
- Slty

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

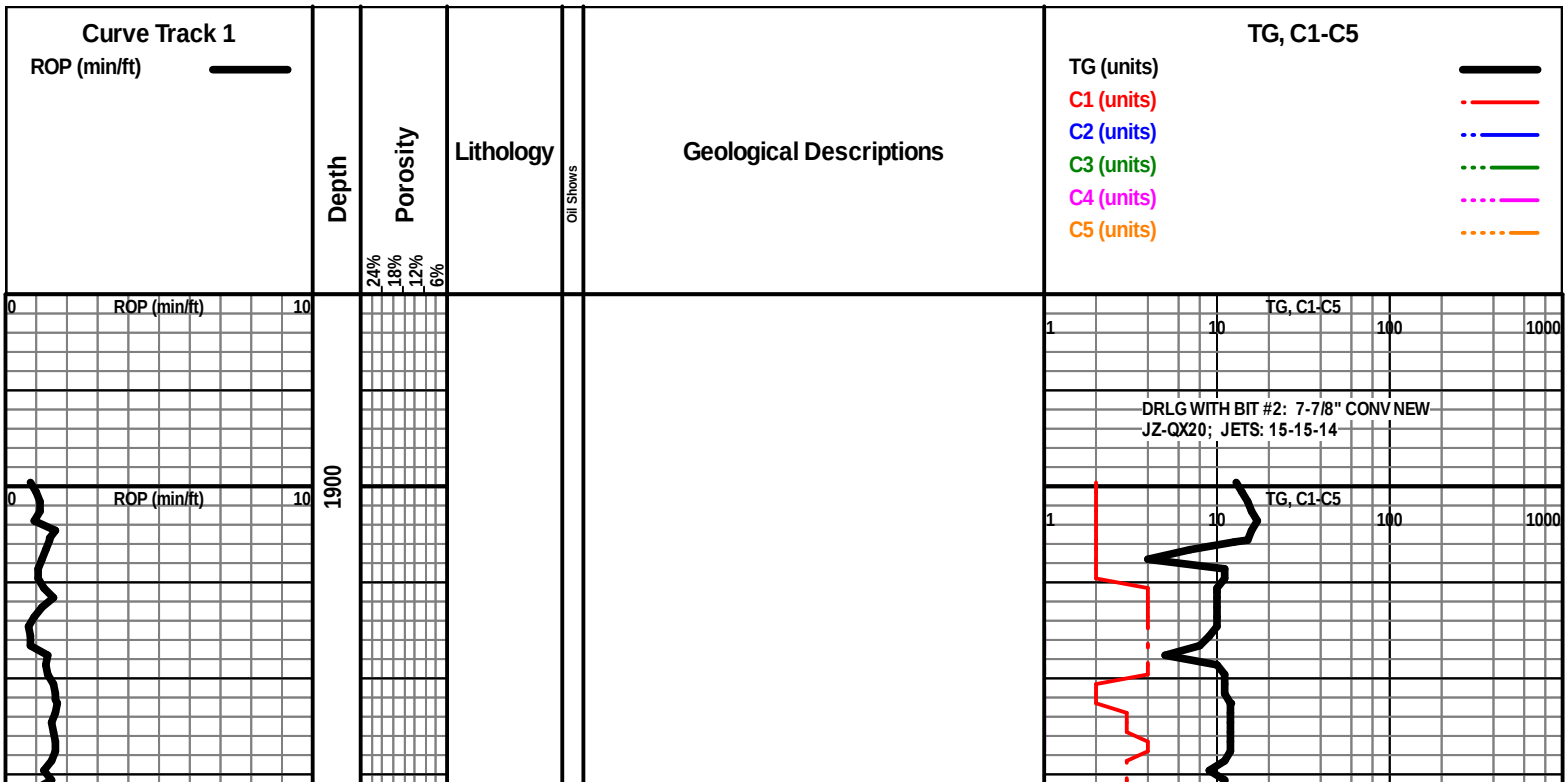
SORTING
- Well
- Moderate
- Poor

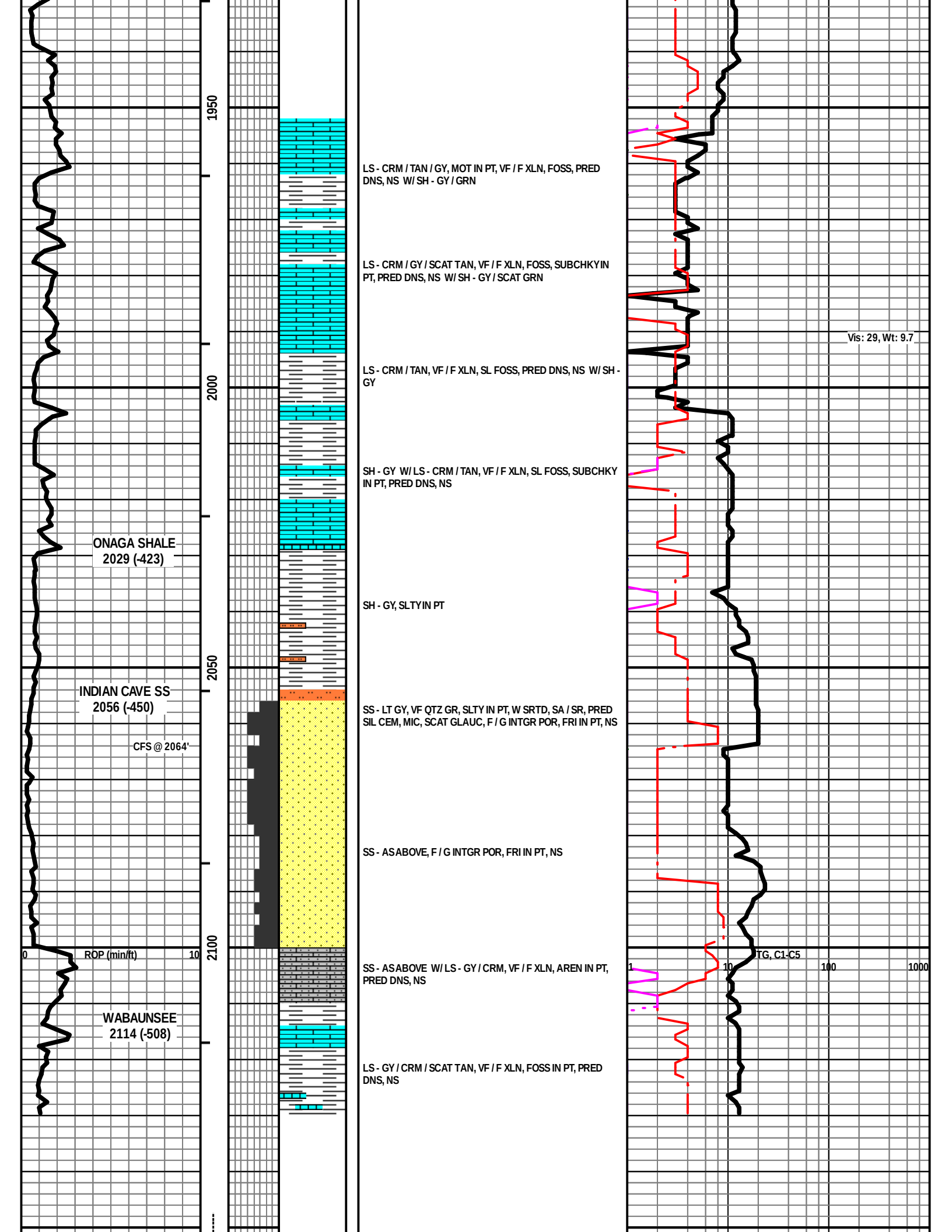
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

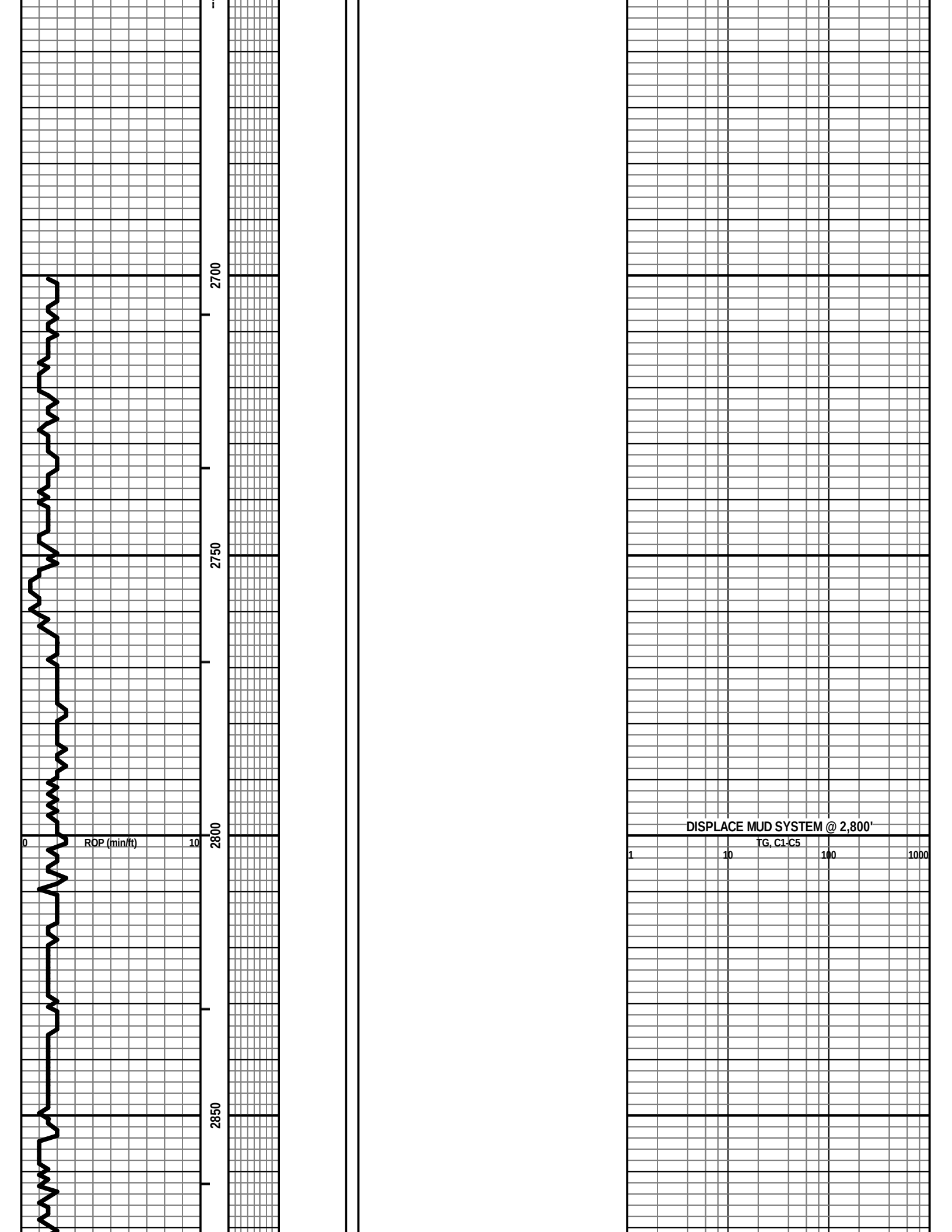
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

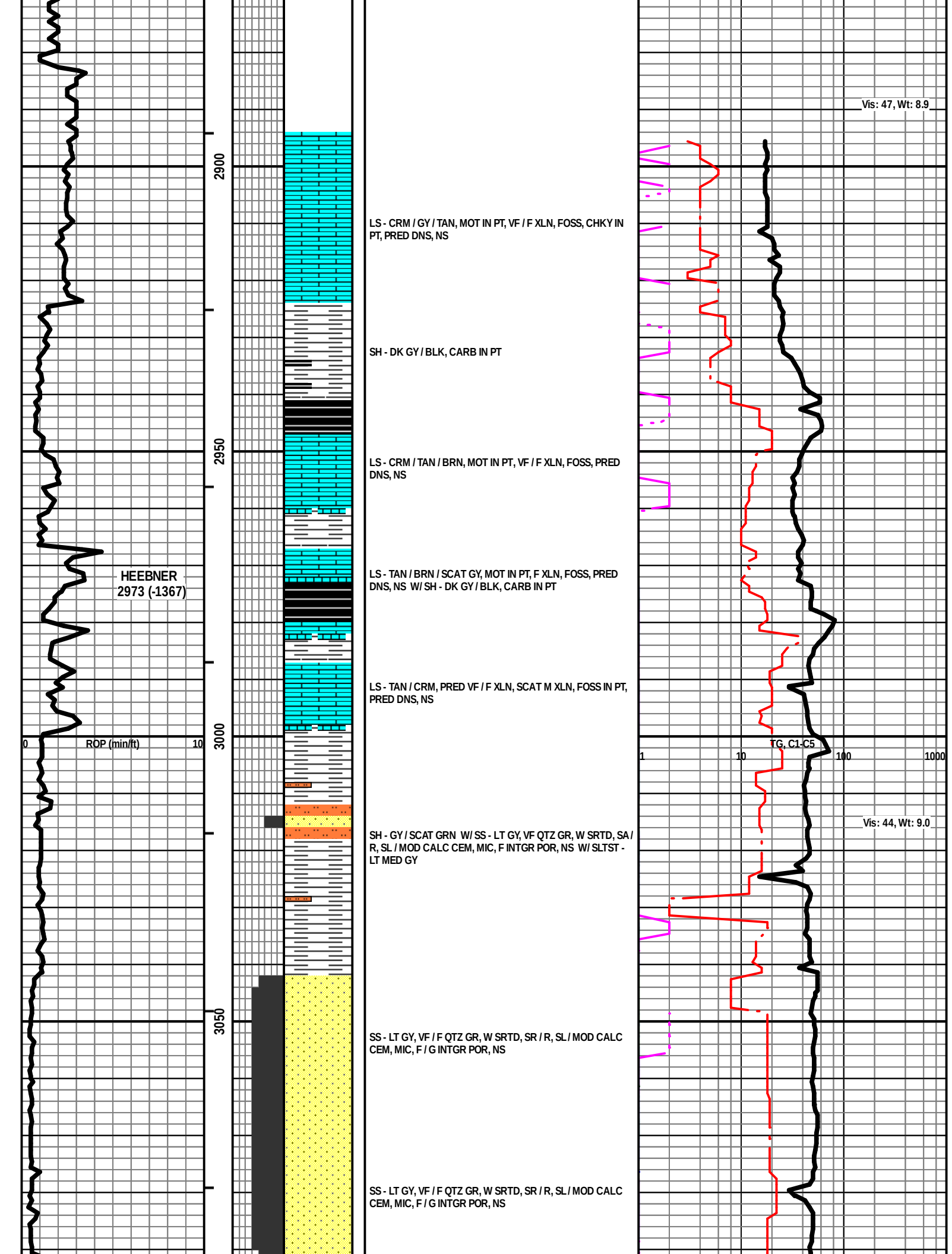
INTERVALS
- Core
- Dst
- Dst

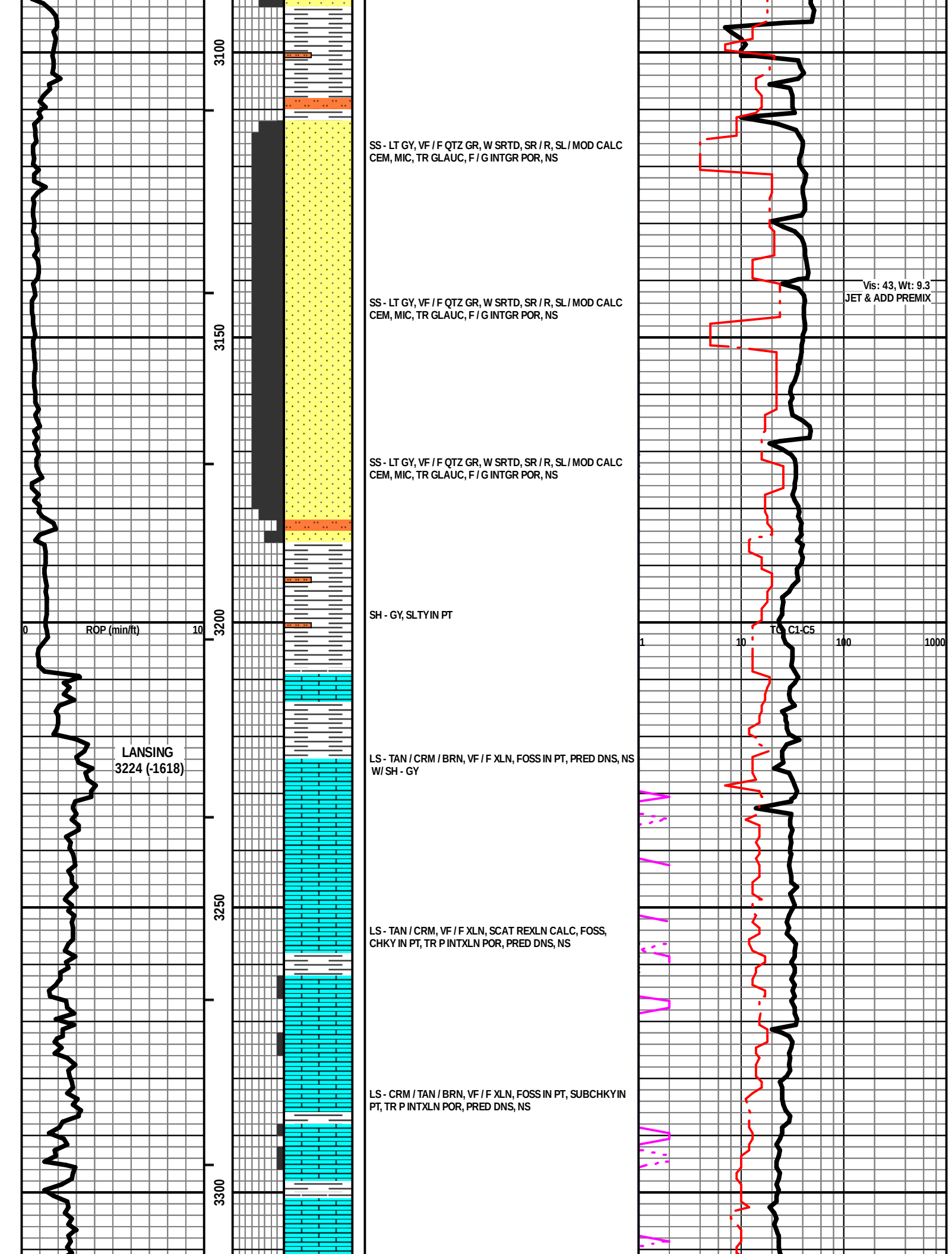
EVENTS
- Rft
- Sidewall
- Conn

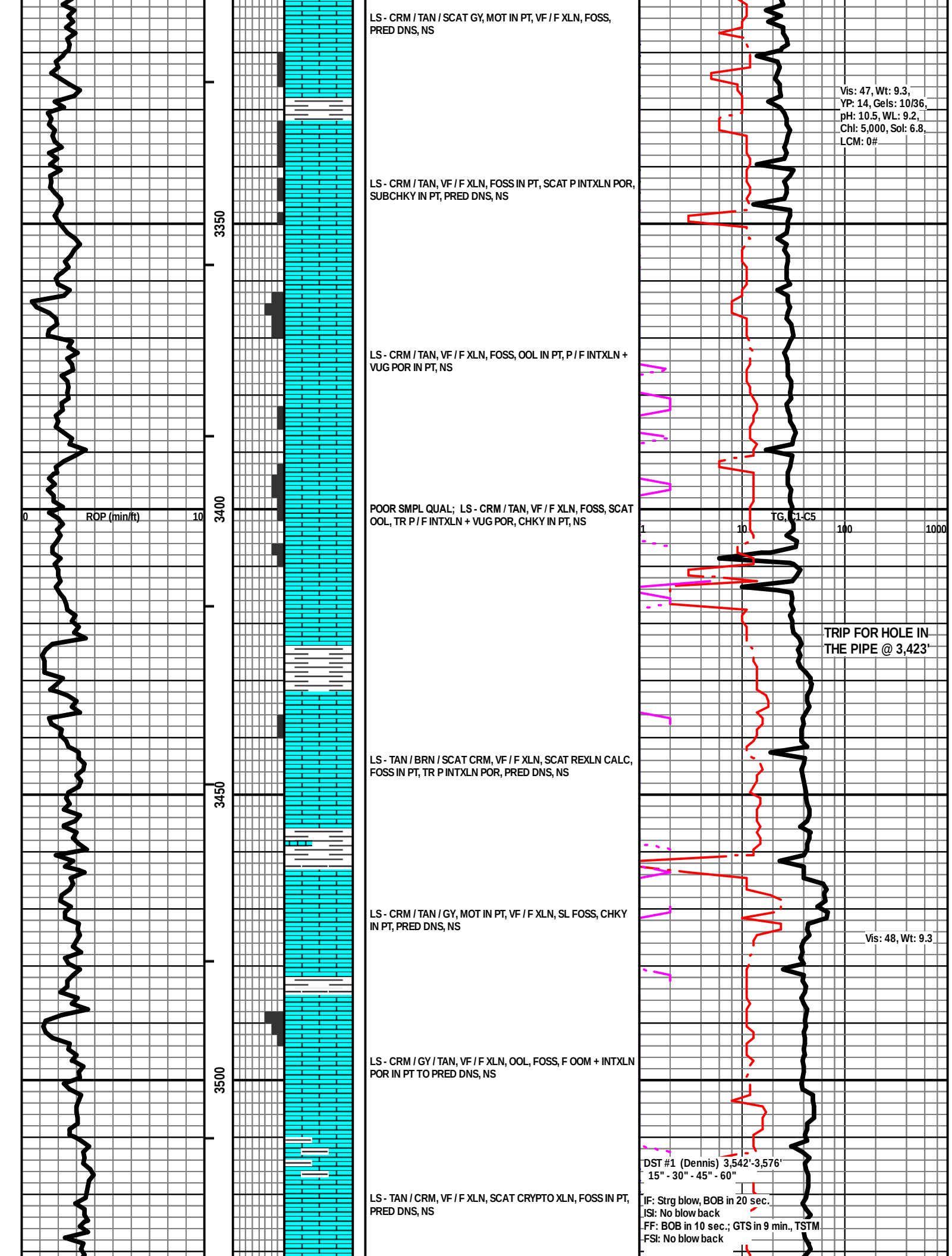


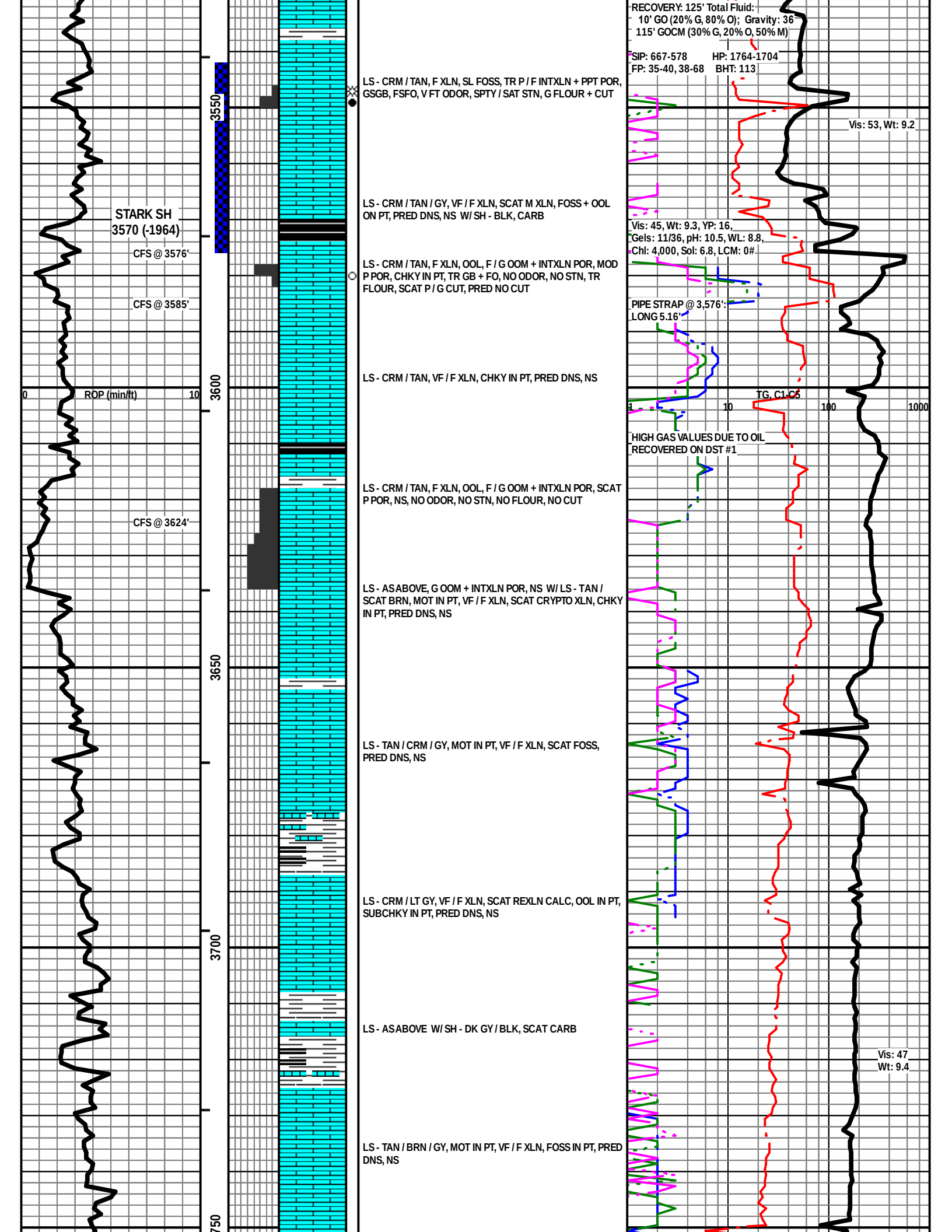

1950
2000
2050
2100
ONAGA SHALE
2029 (-423)
INDIAN CAVE SS
2056 (-450)
CFS @ 2064'
WABAUNSEE
2114 (-508)
0
ROP (min/ft)
10
LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, FOSS, PRED DNS, NS W/ SH - GY / GRN
LS - CRM / GY / SCAT TAN, VF / F XLN, FOSS, SUBCHKY IN PT, PRED DNS, NS W/ SH - GY / SCAT GRN
LS - CRM / TAN, VF / F XLN, SL FOSS, PRED DNS, NS W/ SH - GY
SH - GY W/ LS - CRM / TAN, VF / F XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS
SH - GY, SLTY IN PT
SS - LT GY, VF QTZ GR, SLTY IN PT, W SRTD, SA / SR, PRED SIL CEM, MIC, SCAT GLAUC, F / G INTGR POR, FRI IN PT, NS
SS - AS ABOVE, F / G INTGR POR, FRI IN PT, NS
SS - AS ABOVE W/ LS - GY / CRM, VF / F XLN, AREN IN PT, PRED DNS, NS
LS - GY / CRM / SCAT TAN, VF / F XLN, FOSS IN PT, PRED DNS, NS
Vis: 29, Wt: 9.7
TG, C1-C5
1
10
100
1000

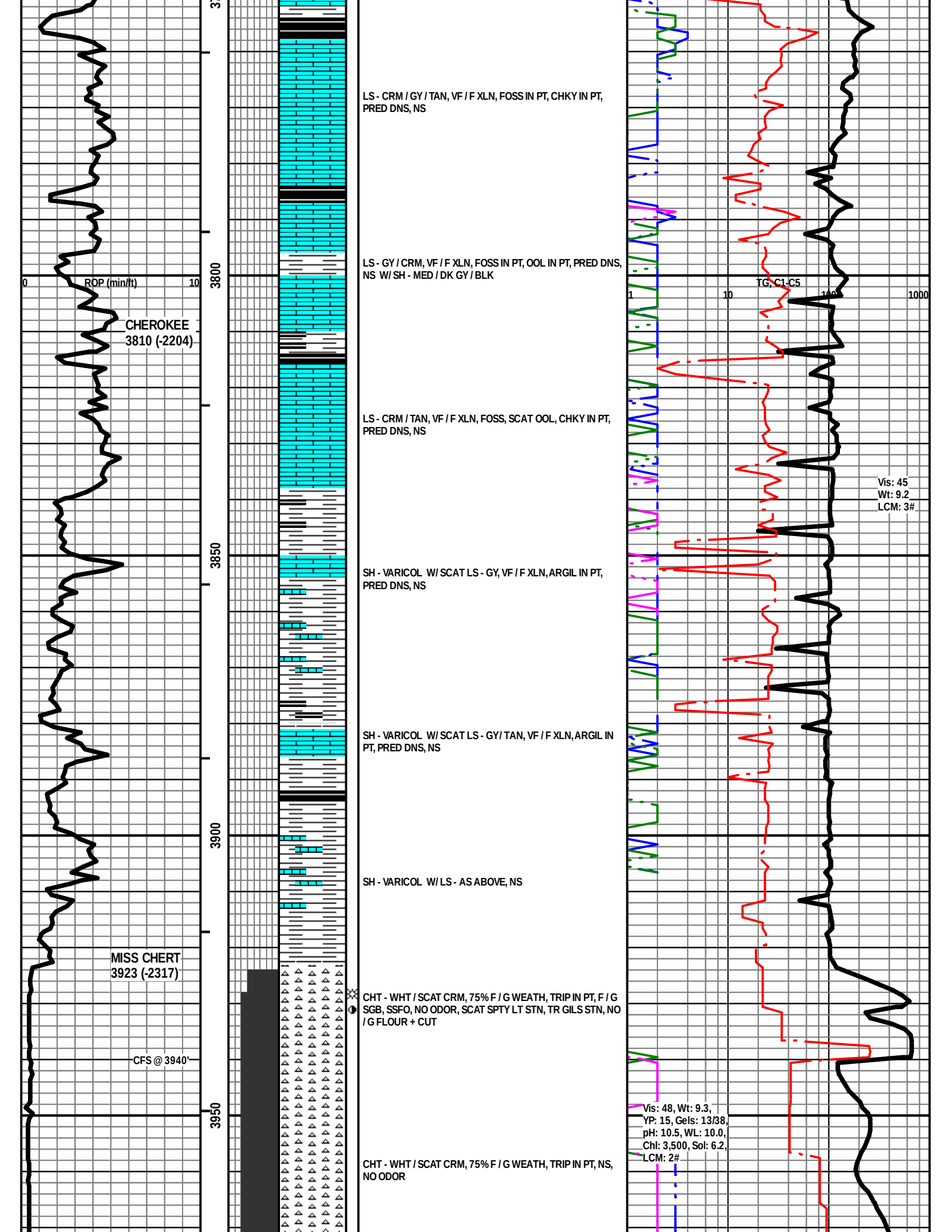

2700
2750
2800
2850
0
ROP (min/ft)
10
DISPLACE MUD SYSTEM @ 2,800'
TG, C1-C5
1
10
100
1000

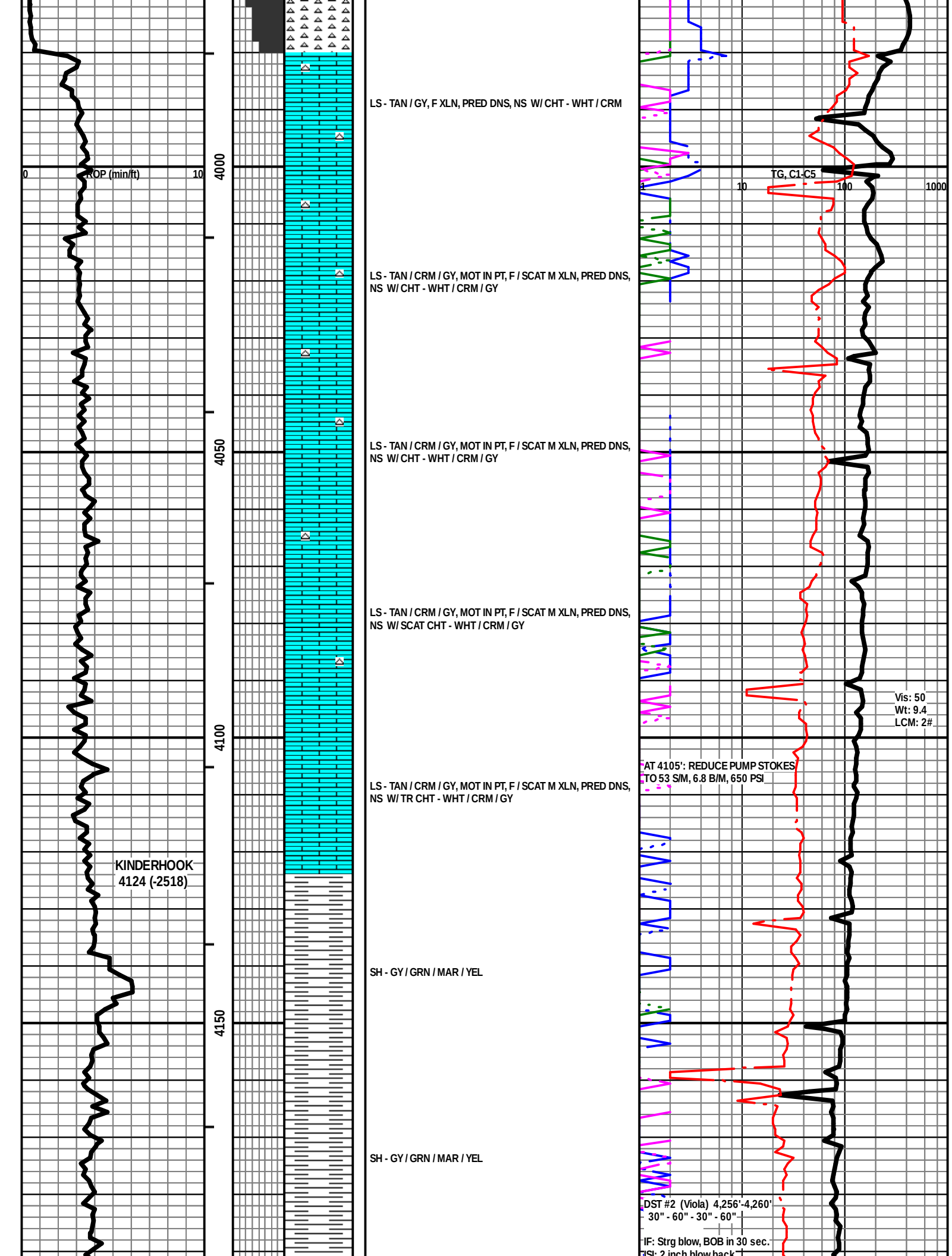

Vis: 47, Wt: 8.9
2900
2950
3000
3050
HEEBNER
2973 (-1367)
LS - CRM / GY / TAN, MOT IN PT, VF / F XLN, FOSS, CHKY IN PT, PRED DNS, NS
SH - DK GY / BLK, CARB IN PT
LS - CRM / TAN / BRN, MOT IN PT, VF / F XLN, FOSS, PRED DNS, NS
LS - TAN / BRN / SCAT GY, MOT IN PT, F XLN, FOSS, PRED DNS, NS W/ SH - DK GY / BLK, CARB IN PT
LS - TAN / CRM, PRED VF / F XLN, SCAT M XLN, FOSS IN PT, PRED DNS, NS
0
ROP (min/ft)
10
1
10
100
1000
TG, C1-C5
Vis: 44, Wt: 9.0
SH - GY / SCAT GRN W/ SS - LT GY, VF QTZ GR, W SRTD, SA / R, SL / MOD CALC CEM, MIC, F INTGR POR, NS W/ SLTST - LT MED GY
SS - LT GY, VF / F QTZ GR, W SRTD, SR / R, SL / MOD CALC CEM, MIC, F / G INTGR POR, NS
SS - LT GY, VF / F QTZ GR, W SRTD, SR / R, SL / MOD CALC CEM, MIC, F / G INTGR POR, NS

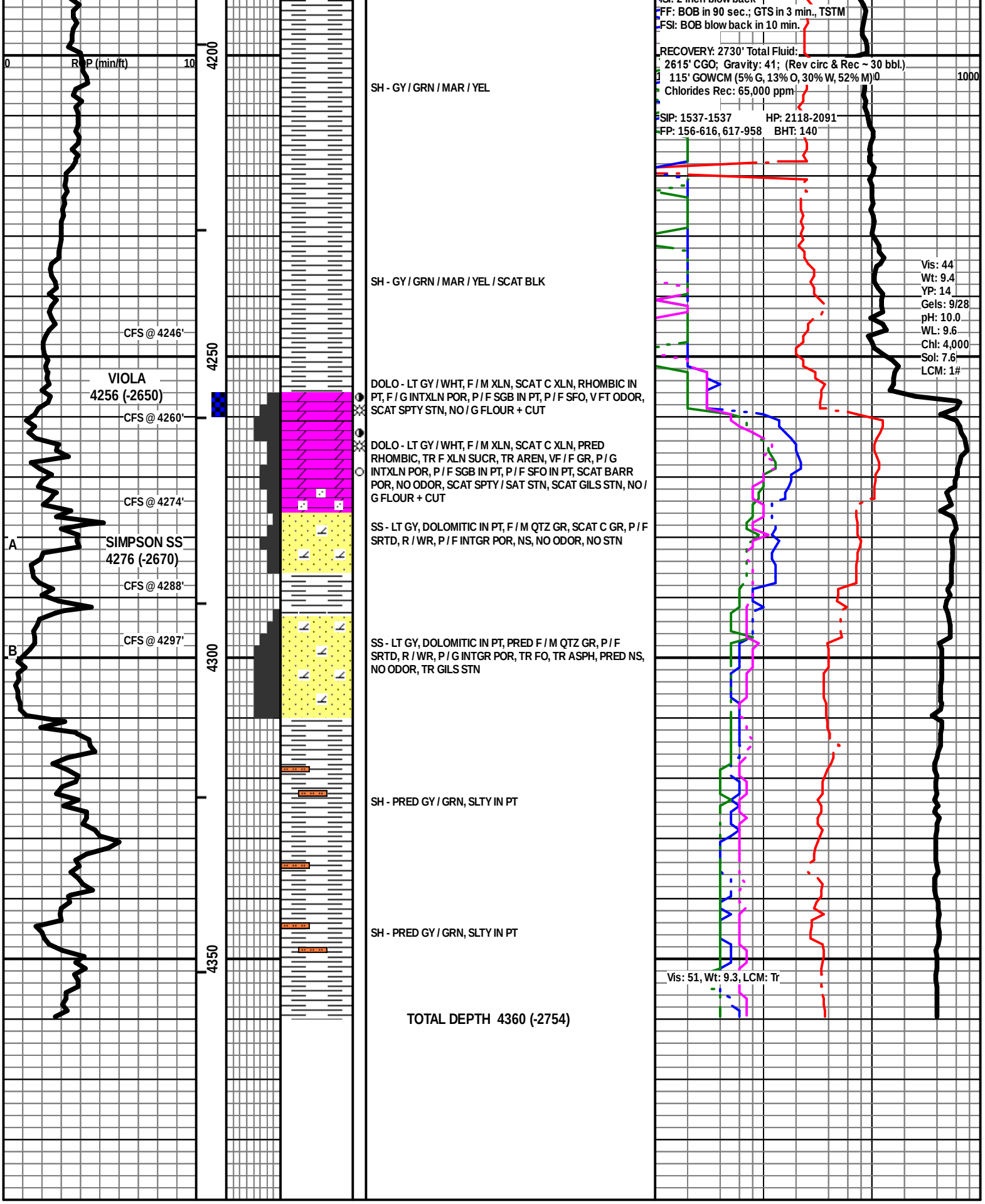

3100
3150
3200
3250
3300
0
ROP (min/ft)
10
LANSING
3224 (-1618)
SS - LT GY, VF / F QTZ GR, W SRTD, SR / R, SL / MOD CALC CEM, MIC, TR GLAUC, F / G INTGR POR, NS
SS - LT GY, VF / F QTZ GR, W SRTD, SR / R, SL / MOD CALC CEM, MIC, TR GLAUC, F / G INTGR POR, NS
SS - LT GY, VF / F QTZ GR, W SRTD, SR / R, SL / MOD CALC CEM, MIC, TR GLAUC, F / G INTGR POR, NS
SH - GY, SLTY IN PT
LS - TAN / CRM / BRN, VF / F XLN, FOSS IN PT, PRED DNS, NS W/ SH - GY
LS - TAN / CRM, VF / F XLN, SCAT REXLN CALC, FOSS, CHKY IN PT, TR P INTXLN POR, PRED DNS, NS
LS - CRM / TAN / BRN, VF / F XLN, FOSS IN PT, SUBCHKY IN PT, TR P INTXLN POR, PRED DNS, NS
Vis: 43, Wt: 9.3
JET & ADD PREMIX
TG C1-C5
1
10
100
1000


LS - CRM / TAN / SCAT GY, MOT IN PT, VF / F XLN, FOSS, PRED DNS, NS
Vis: 47, Wt: 9.3, YP: 14, Gels: 10/36, pH: 10.5, WL: 9.2, Chl: 5,000, Sol: 6.8, LCM: 0#
LS - CRM / TAN, VF / F XLN, FOSS IN PT, SCAT P INTXLN POR, SUBCHKY IN PT, PRED DNS, NS
3350
LS - CRM / TAN, VF / F XLN, FOSS, OOL IN PT, P / F INTXLN + VUG POR IN PT, NS
0
ROP (min/ft)
10
3400
POOR SMPL QUAL; LS - CRM / TAN, VF / F XLN, FOSS, SCAT OOL, TR P / F INTXLN + VUG POR, CHKY IN PT, NS
TG, C1-C5
1
10
100
1000
TRIP FOR HOLE IN THE PIPE @ 3,423'
LS - TAN / BRN / SCAT CRM, VF / F XLN, SCAT REXLN CALC, FOSS IN PT, TR P INTXLN POR, PRED DNS, NS
3450
LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS
Vis: 48, Wt: 9.3
LS - CRM / GY / TAN, VF / F XLN, OOL, FOSS, F OOM + INTXLN POR IN PT TO PRED DNS, NS
3500
DST #1 (Dennis) 3,542'-3,576'
15" - 30" - 45" - 60"
IF: Strg blow, BOB in 20 sec.
ISI: No blow back
FF: BOB in 10 sec.; GTS in 9 min., TSTM
FSI: No blow back
LS - TAN / CRM, VF / F XLN, SCAT CRYPTO XLN, FOSS IN PT, PRED DNS, NS


RECOVERY: 125' Total Fluid:
10' GO (20% G, 80% O); Gravity: 36
115' GOCM (30% G, 20% O, 50% M)
SIP: 667-578 HP: 1764-1704
FP: 35-40, 38-68 BHT: 113
Vis: 53, Wt: 9.2
LS - CRM / TAN, F XLN, SL FOSS, TR P / F INTXLN + PPT POR, GSGB, FSFO, V FT ODOR, SPTY / SAT STN, G FLOUR + CUT
LS - CRM / TAN / GY, VF / F XLN, SCAT M XLN, FOSS + OOL ON PT, PRED DNS, NS W/ SH - BLK, CARB
STARK SH
3570 (-1964)
CFS @ 3576'
Vis: 45, Wt: 9.3, YP: 16,
Gels: 11/36, pH: 10.5, WL: 8.8,
Chl: 4,000, Sol: 6.8, LCM: 0#
LS - CRM / TAN, F XLN, OOL, F / G OOM + INTXLN POR, MOD P POR, CHKY IN PT, TR GB + FO, NO ODOR, NO STN, TR FLOUR, SCAT P / G CUT, PRED NO CUT
PIPE STRAP @ 3,576':
LONG 5.16'
CFS @ 3585'
LS - CRM / TAN, VF / F XLN, CHKY IN PT, PRED DNS, NS
0 ROP (min/ft) 10
TG, C1-C5
1 10 100 1000
HIGH GAS VALUES DUE TO OIL RECOVERED ON DST #1
LS - CRM / TAN, F XLN, OOL, F / G OOM + INTXLN POR, SCAT P POR, NS, NO ODOR, NO STN, NO FLOUR, NO CUT
CFS @ 3624'
LS - ASABOVE, G OOM + INTXLN POR, NS W/ LS - TAN / SCAT BRN, MOT IN PT, VF / F XLN, SCAT CRYPTO XLN, CHKY IN PT, PRED DNS, NS
LS - TAN / CRM / GY, MOT IN PT, VF / F XLN, SCAT FOSS, PRED DNS, NS
LS - CRM / LT GY, VF / F XLN, SCAT REXLN CALC, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS
LS - ASABOVE W/ SH - DK GY / BLK, SCAT CARB
Vis: 47
Wt: 9.4
LS - TAN / BRN / GY, MOT IN PT, VF / F XLN, FOSS IN PT, PRED DNS, NS
3550
3600
3650
3700
3750


0
ROP (min/ft)
10
3800
CHEROKEE
3810 (-2204)
3850
3900
MISS CHERT
3923 (-2317)
CFS @ 3940'
3950
LS - CRM / GY / TAN, VF / F XLN, FOSS IN PT, CHKY IN PT, PRED DNS, NS
LS - GY / CRM, VF / F XLN, FOSS IN PT, OOL IN PT, PRED DNS, NS W/ SH - MED / DK GY / BLK
LS - CRM / TAN, VF / F XLN, FOSS, SCAT OOL, CHKY IN PT, PRED DNS, NS
SH - VARICOL W/ SCAT LS - GY, VF / F XLN, ARGIL IN PT, PRED DNS, NS
SH - VARICOL W/ SCAT LS - GY/ TAN, VF / F XLN, ARGIL IN PT, PRED DNS, NS
SH - VARICOL W/ LS - AS ABOVE, NS
CHT - WHT / SCAT CRM, 75% F / G WEATH, TRIP IN PT, F / G SGB, SSFO, NO ODOR, SCAT SPTY LT STN, TR GILS STN, NO / G FLOUR + CUT
CHT - WHT / SCAT CRM, 75% F / G WEATH, TRIP IN PT, NS, NO ODOR
TG, C1-C5
1
10
100
1000
Vis: 45
Wt: 9.2
LCM: 3#
Vis: 48, Wt: 9.3,
YP: 15, Gels: 13/38,
pH: 10.5, WL: 10.0,
Chl: 3,500, Sol: 6.2,
LCM: 2#


0
ROP (min/ft)
10
4000
4050
4100
4150
KINDERHOOK
4124 (-2518)
LS - TAN / GY, F XLN, PRED DNS, NS W/ CHT - WHT / CRM
LS - TAN / CRM / GY, MOT IN PT, F / SCAT M XLN, PRED DNS, NS W/ CHT - WHT / CRM / GY
LS - TAN / CRM / GY, MOT IN PT, F / SCAT M XLN, PRED DNS, NS W/ CHT - WHT / CRM / GY
LS - TAN / CRM / GY, MOT IN PT, F / SCAT M XLN, PRED DNS, NS W/ SCAT CHT - WHT / CRM / GY
LS - TAN / CRM / GY, MOT IN PT, F / SCAT M XLN, PRED DNS, NS W/ TR CHT - WHT / CRM / GY
SH - GY / GRN / MAR / YEL
SH - GY / GRN / MAR / YEL
TG, C1-C5
1
10
100
1000
Vis: 50
Wt: 9.4
LCM: 2#
AT 4105': REDUCE PUMP STOKES TO 53 S/M, 6.8 B/M, 650 PSI
DST #2 (Viola) 4,256'-4,260'
30" - 60" - 30" - 60"
IF: Strg blow, BOB in 30 sec.


FF: BOB in 90 sec.; GTS in 3 min., TSTM
FSI: BOB blow back in 10 min.
RECOVERY: 2730' Total Fluid:
2615' CGO; Gravity: 41; (Rev circ & Rec ~ 30 bbl.)
115' GOWCM (5% G, 13% O, 30% W, 52% M)
Chlorides Rec: 65,000 ppm
SIP: 1537-1537
HP: 2118-2091
FP: 156-616, 617-958
BHT: 140
0
1000
0
ROP (min/ft)
10
4200
4250
4300
4350
SH - GY / GRN / MAR / YEL
SH - GY / GRN / MAR / YEL / SCAT BLK
CFS @ 4246'
VIOLA
4256 (-2650)
CFS @ 4260'
DOLO - LT GY / WHT, F / M XLN, SCAT C XLN, RHOMBIC IN PT, F / G INTXLN POR, P / F SGB IN PT, P / F SFO, V FT ODOR, SCAT SPTY STN, NO / G FLOUR + CUT
DOLO - LT GY / WHT, F / M XLN, SCAT C XLN, PRED RHOMBIC, TR F XLN SUCR, TR AREN, VF / F GR, P / G INTXLN POR, P / F SGB IN PT, P / F SFO IN PT, SCAT BARR POR, NO ODOR, SCAT SPTY / SAT STN, SCAT GILS STN, NO / G FLOUR + CUT
CFS @ 4274'
A
SIMPSON SS
4276 (-2670)
SS - LT GY, DOLOMITIC IN PT, F / M QTZ GR, SCAT C GR, P / F SRTD, R / WR, P / F INTGR POR, NS, NO ODOR, NO STN
CFS @ 4288'
CFS @ 4297'
B
SS - LT GY, DOLOMITIC IN PT, PRED F / M QTZ GR, P / F SRTD, R / WR, P / G INTGR POR, TR FO, TR ASPH, PRED NS, NO ODOR, TR GILS STN
SH - PRED GY / GRN, SLTY IN PT
SH - PRED GY / GRN, SLTY IN PT
TOTAL DEPTH 4360 (-2754)
Vis: 44
Wt: 9.4
YP: 14
Gels: 9/28
pH: 10.0
WL: 9.6
Chl: 4,000
Sol: 7.6
LCM: 1#
Vis: 51, Wt: 9.3, LCM: Tr