

AGV CORP.

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

Well Name: AR-15 Yarmer #1
Location: Sec. 30-T15S-R15W Russell County, Kansas
Licence Number: 15-167-24019-00-00
Spud Date: 12/1/2014
Surface Coordinates: 2279' FSL & 3024' FEL
Region: Wildcat
Drilling Completed: 12/8/2014

Bottom Hole
Coordinates:
Ground Elevation (ft): 1841' K.B. Elevation (ft): 1849'
Logged Interval (ft): 2500' To: RTD Total Depth (ft): 3472'
Formation: Arbuckle
Type of Drilling Fluid: Chemical Mud by Mud-Co

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

GEOLOGIST

Name: Kent Roberts
Company: Roberts Resources, Inc.
Address: 2020 N. Tyler, Suite 106
Wichita, KS 67212
Phone 316-721-2817

INFORMATION

DRILLING CONTRACTOR: Fossil Drilling Rig #2

MUD TYPE: Chemical

DRILLING TIME KEPT FROM: 2500' to RTD

SAMPLES SAVED FROM: 2500' to RTD

SAMPLES EXAMINED FROM: 2850' to RTD

GEOLOGICAL SUPERVISION FROM: 2600' to RTD

ELECTRICAL SURVEYS: None

DAILY ACTIVITY @ 0700 HRS

12/01/2014 MIRT, Spud well 7:30 PM
12/02/2014 Depth 725', drilling w/ 12-1/4 bit
12/03/2014 Depth 965', Wait on Cement (12 hrs)
12/04/2014 Depth 1820', Drilling
12/05/2014 Depth 2703', Drilling
12/06/2014 Depth 3236'. Short trip prior to DST #1
12/07/2014 Depth 3354'. On bottom w/ DST #2
12/08/2014 Depth 3448'. Drilling after DST #3

CASING DATA

CONDUCTOR CASING: None

SURFACE CASING: 8-5/8" x 24# LS @ 958' w/ 200 sx Allied Light and 200 sx Common (2% gel, 3% cc)

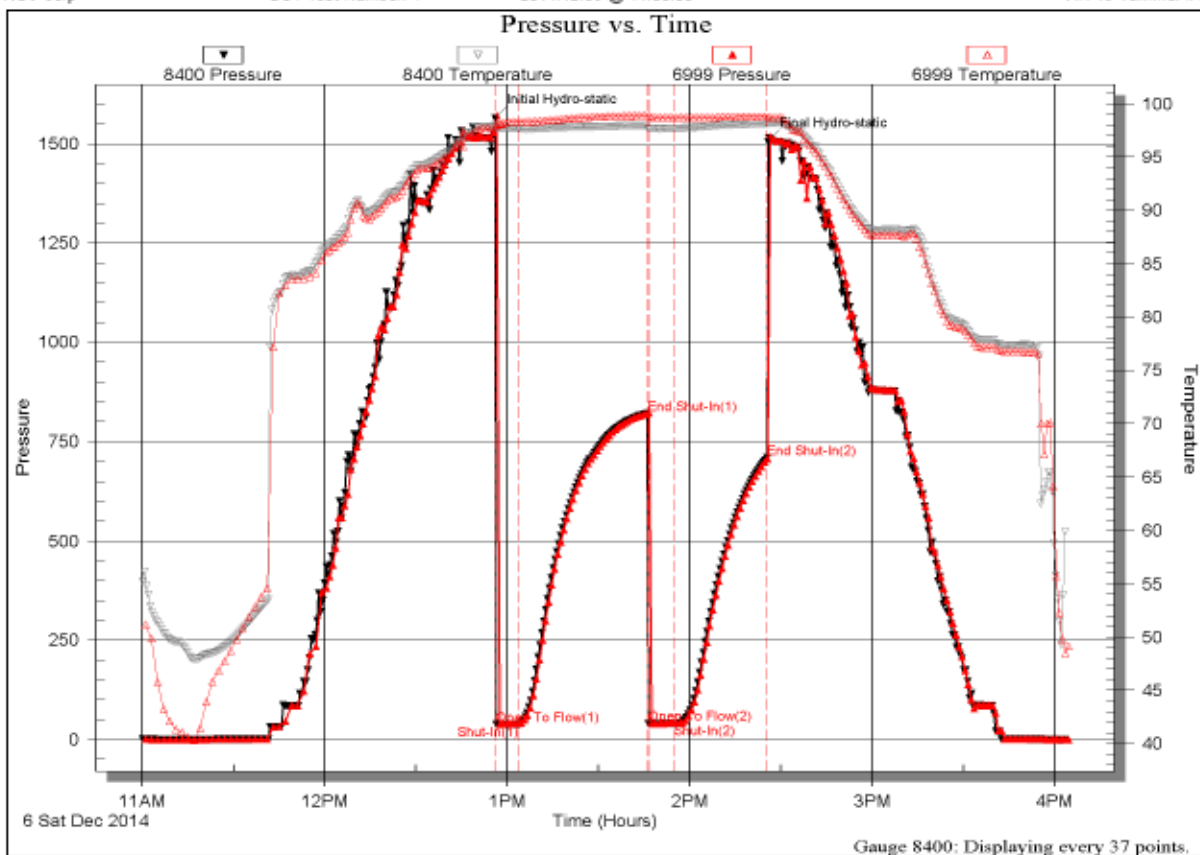
PRODUCTION : None

FORMATION TOPS

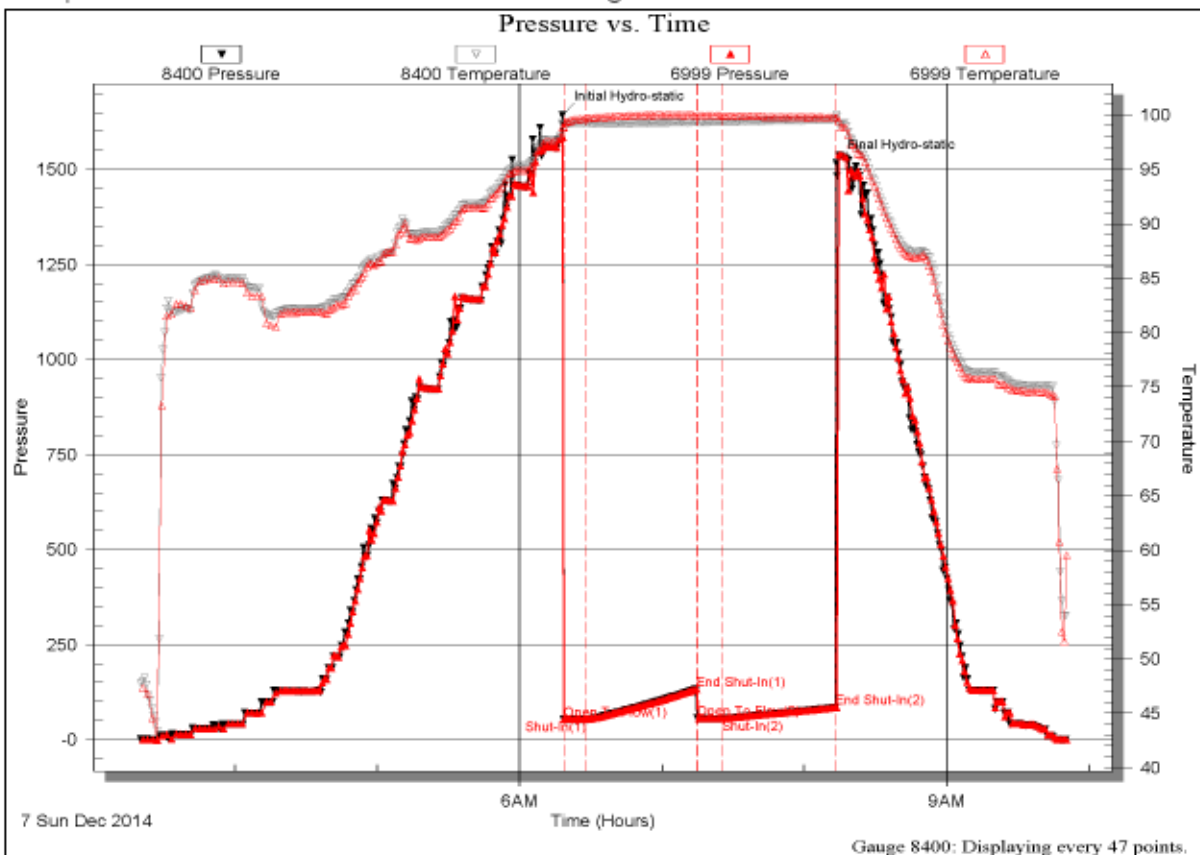
WELL NAME: AR-15 Yarmer #1

ELEV. K.B.= 1849

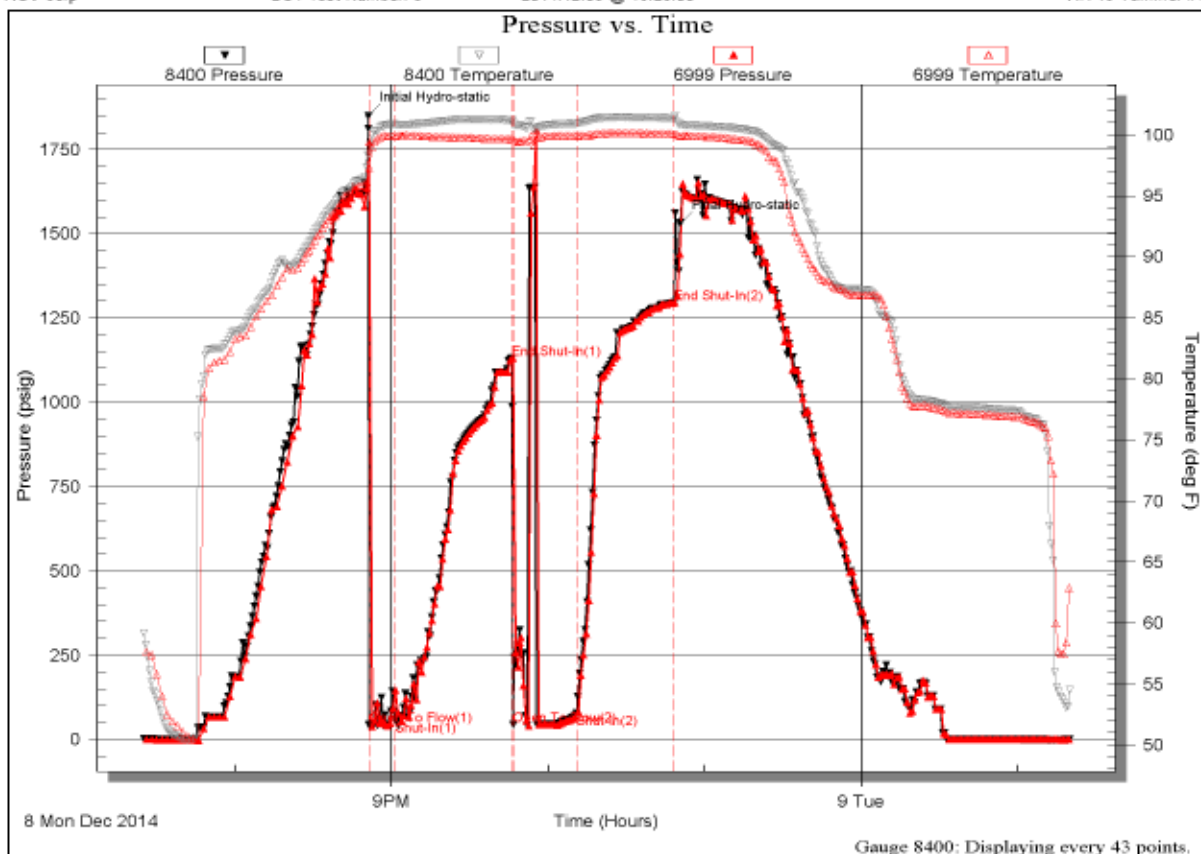
FORMATION TOPS	Sample	E- Log
Anhydrite	924 925	
Heebner	3070 -1221	
Lansing	3127 -1278	
B/KC	3354 -1505	
Arbuckle	3425 -1576	
TD	3472 -1623	



DST #1
 3186' to 3236'
 5-45-5-30
 IF: Weak built to 1
 Inch
 ISI: No blow
 FF: Weak surge,
 then died
 FSI: No blow
 Rec: 5' Mud
 HP: 1565-1505
 FP: 37-37 / 39-40
 SIP: 819-710



DST #2
 3274' to 3354'
 10-45-10-45
 IF: Weak built to 1
 inch
 ISI: No blow
 FF: Weak surge,
 did not build
 FSI: No blow
 Rec: 5' Oil spotted
 mud
 HP: 1643-1516
 FP: 52-52 / 55-53
 SIP: 132-83



DST #3
 3430' to 3440'
 10-45-10-45
 IF: Weak built to
 1-1/2 inch
 ISI: No blow
 FF: Weak surge,
 did not build,
 Flushed Tool,
 surge and died
 FSI: No blow
 Rec: 5' mud
 HP: 1849-1530
 FP: 43-55 / 43-77
 SIP: 1129-1294

COMMENTS

Based upon sample analysis and negative DST results it is recommended the AR-15 Yammer #1 be plugged and abandoned as a dry hole.

Respectfully Submitted

Kent R. Roberts
 Geologist

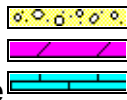
ROCK TYPES



Anhy

Cht

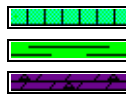
Black shale



Congl

Dolomite

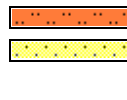
Limestone



Salt

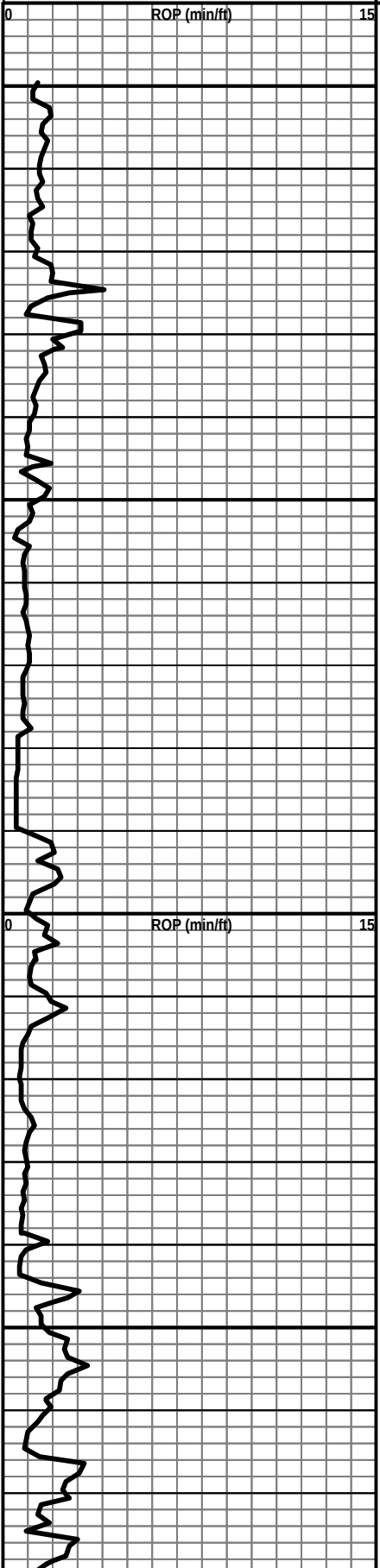
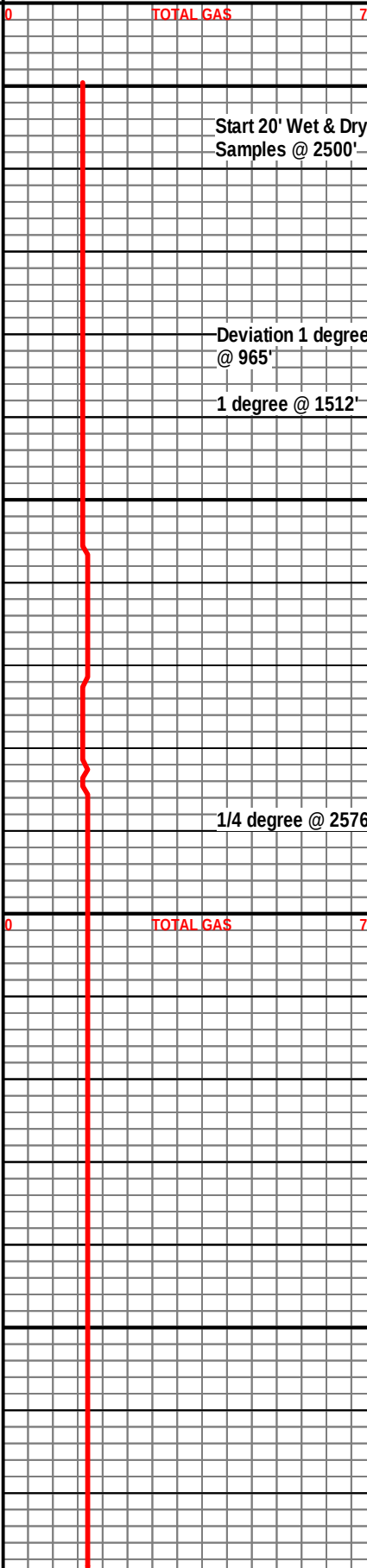
Shale

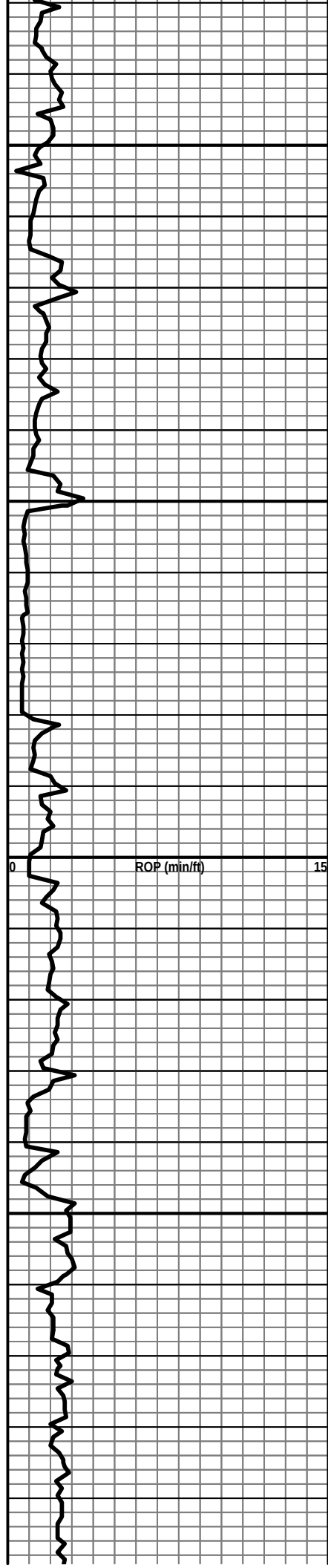
Cherty dol.



Siltstone

Sandstone

Curve Track 1		Depth	Lithology	Geological Descriptions	TOTAL GAS, C1-C5	
ROP (min/ft)					TOTAL GAS (Units)	
0 ROP (min/ft) 15 		2500			0 TOTAL GAS 75 	Start 20' Wet & Dry Samples @ 2500' Deviation 1 degree @ 965' 1 degree @ 1512' 1/4 degree @ 2576'
0 ROP (min/ft) 15		2550			0 TOTAL GAS 75	
		2600			0 TOTAL GAS 75	
		2650				



2700

2750

2800

2850

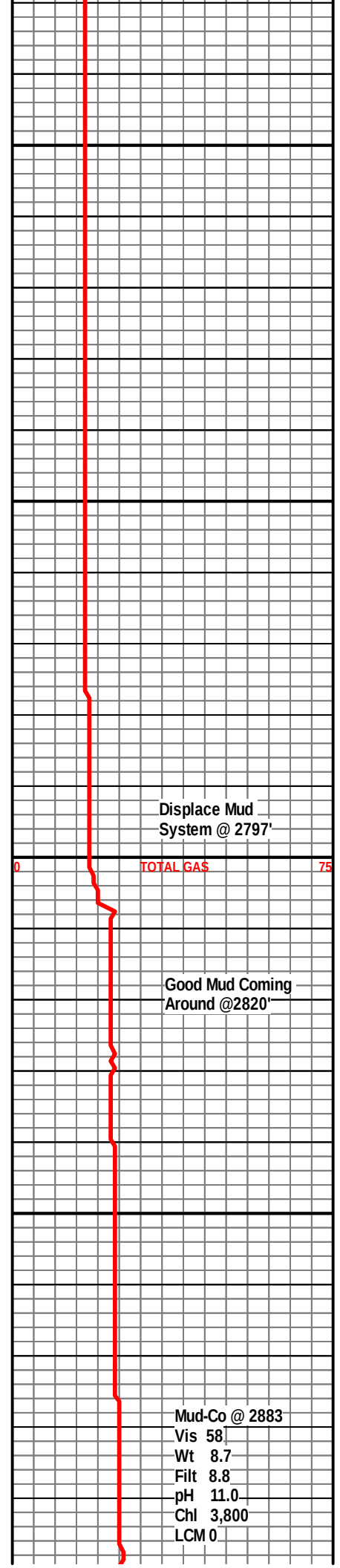
Sh, gry soft

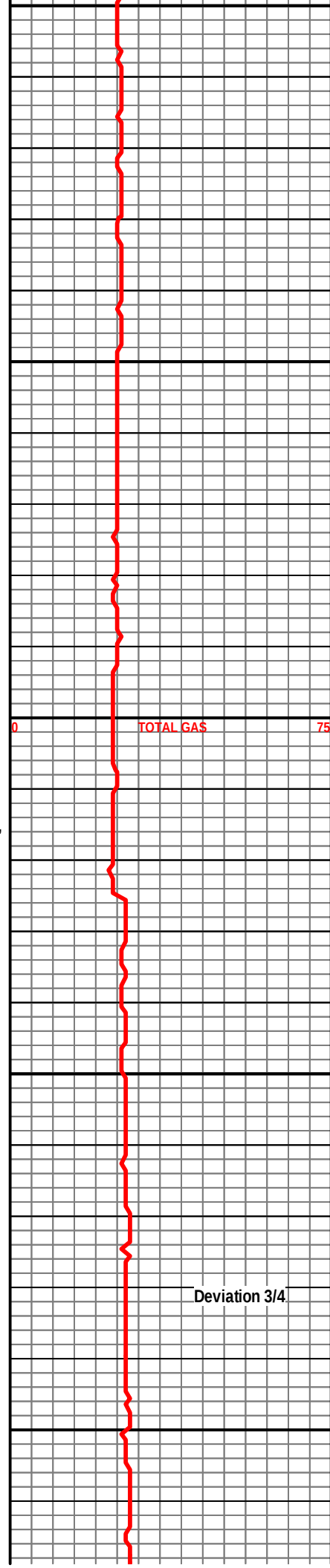
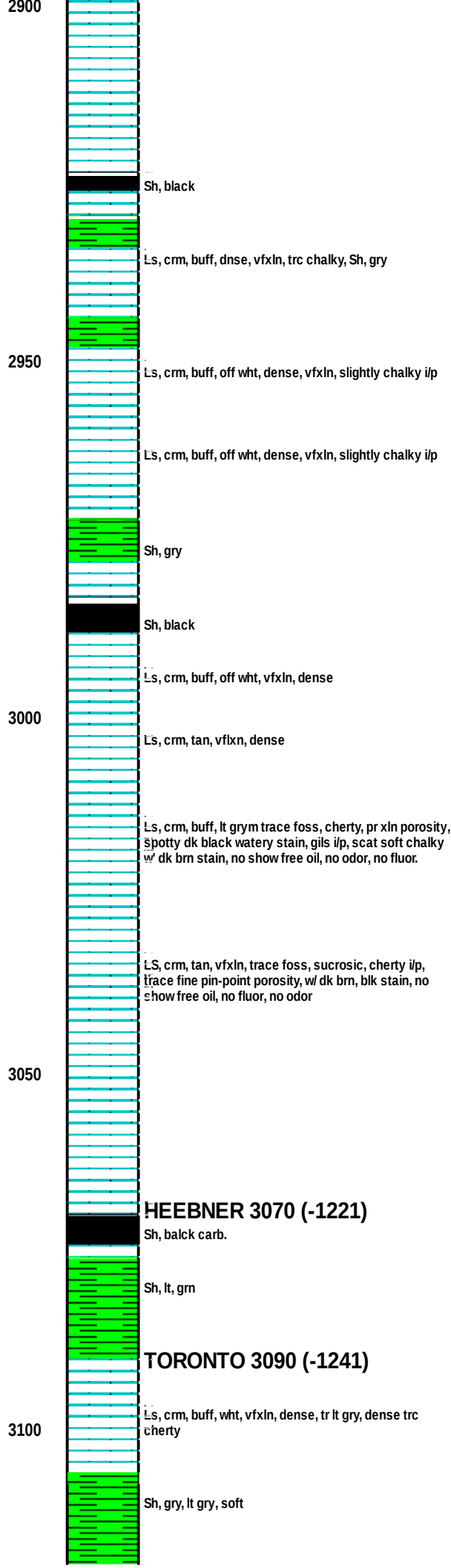
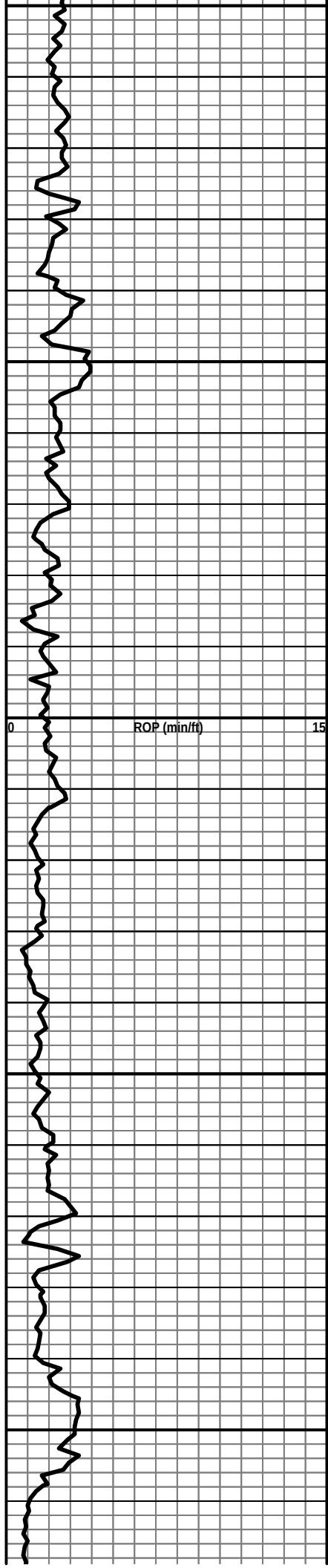
TOPEKA 2841 (-992)

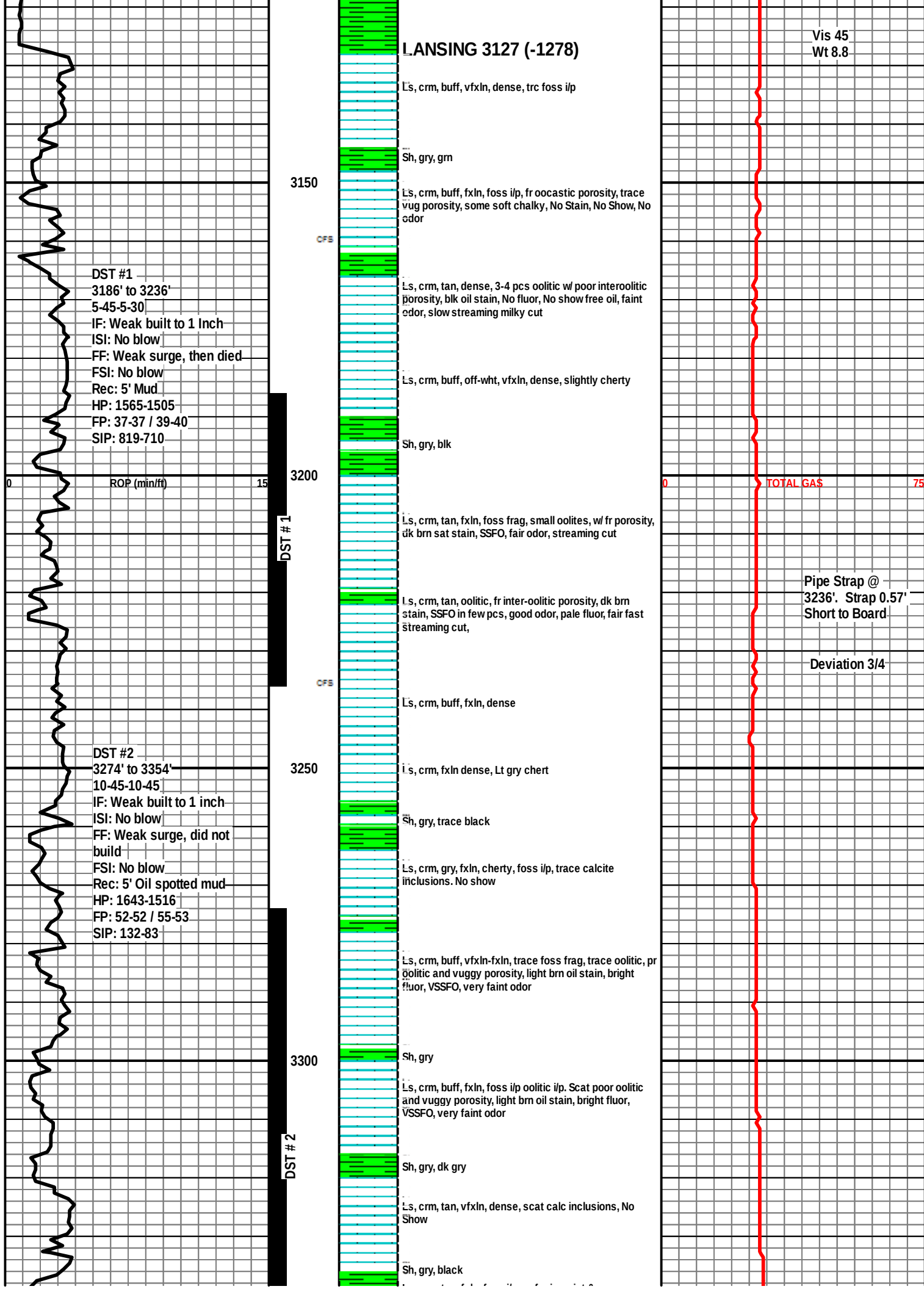
Ls, crm, buff, lt gry, trace foss i/p mostly soft chalky

i s, crm, buff, lt gry, trace foss i/p mostly soft chalky

Ls, crm, buff, lt gry, trace foss i/p mostly soft chalky







3350

Ls, crm, tan, fxln, foss i/p, pr-tr pin-point & vuggy porosity. Even brn stain, SSFO, bright fluor, fair odor, 1 pc w/ good sucrosic, xln porosity, sat brn stn w/ SFO, fast flash cut

B/KC 3354 (-1505)

Sh, gry, gm, brick red

Ls, crm, off-wht, fxln, dense, trc sandy i/p, mostly vari-colored sh

Sh, vari-colored

Ls, crm, off-white, trc sandy i/p

Trace of tan-brn, fine-grain friable Sd clusters, ? oil stain most is clear, wht med-grain calcareous

3400

WASH RED

Sh, red, soft, gumbo, w/ Sd, clr f-m grain, Cht, wht, off-wht, foss, oolitic

Sh, red, soft, gumbo, w/ Sd, clr f-m grain, Cht, wht, off-wht, foss, oolitic

ARBUCKLE 3425 (-1576)

Dol, crm, buff, fxln, dense w/ Dol tan, lt gry, f-mxln, sucrosic, pr-fr xln porosity, even brn dk brn stain, trc saturated, fair SFO few pcs good SFO on break, Trc white chert, pr vug porosity, brn stain, bright fluor, faint to flashy fair odor

Dol, crm, buff, fxln, dense

Dol, crm, buff, tan, f-mxln, cherty i/p, trace pr vuggy porosity, barren, Dull mineral fluor

Dol, crm, tan, buff, fxln, pr xln porosity, abn soft wht chalk and wht foss- oolitic chert, slightly weathered. No Show

Background
increase after DST

DST #3
3430' to 3440'
10-45-10-45
IF: Weak built to 1-1/2 inch
ISI: No blow
FF: Weak surge, did not
build, Flushed Tool, surge
and died
FSI: No blow
Rec: 5' mud
HP: 1849-1530
FP: 43-55 / 43-77
SIP: 1129-1294

DST#3

3450

TOTAL GAS

75

RTD 3472
No Log
Gave order PTA @
10:30 AM on
12/8/2014