

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1178061

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
Oil WSW SWD SIOW	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to: w/ sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	·
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						

Page Two



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow and flow rates if gas t	ving and shut-in presson surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	v. Digital elec	tronic log
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp	
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING	RECORD Ne	ew Used				
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, 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 P Additiv	
		ADDITIONAL	OFMENTING / OOL					
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa		
Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives				
Protect Casing Plug Back TD								
Plug Off Zone								
Did you perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)	
	=	raulic fracturing treatment ex	xceed 350,000 gallons		= ' '	p question 3)	,	
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	mount and rand or ma	teriar Good)		<u> Борин</u>
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN							
Fotimeted Day 1 2	0" -	Flowing			Other (Explain)) O" D "		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled			
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)		-	

Form	CO1 - Well Completion					
Operator	Yale Oil Association, Inc.					
Well Name	Bernard 1-31					
Doc ID	1178061					

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	463	Regular		3% CC, 2% Gel
Production	7.875	5.5	15.50	3314	Regular	105	10% Salt, 2% Gel



January 9, 2014

Kansas Corporation Commission Oil & Gas Division 130 S. Market, Room 2078 Wichita, KS 67202

Re:

Bernard 1-31

31-15s-13w

Russell County, Kansas

Yale Oil Association, Inc. would like to request that the information, on the Bernard 1-31, be held confidential for a period of one year. This is to include test data, electric logs and mud (sample) logs.

Sincerely,

Greg Cox

Operations Manager (405) 840-1811 ext. 107

gcox@yaleoil.com



Geologist's Report

Company: Yale Oil Association, Inc

Lease: **Bernard #1-31**

Field: *Trapp*

Location: *NW-SE*

Sec: <u>31</u> Twsp: <u>155</u> Rge: <u>13W</u> County: <u>Russell</u> State: <u>Kansas</u>

GL: <u>1901</u> KB: <u>1911</u>

Contractor: *Val Energy, Inc Rig #6*Spud: *9/19/13* Comp: *9/22/13*

RTD: <u>3315</u> LTD: <u>3307</u>

Mud Up: <u>2200'</u> Type Mud: <u>Chemical/Displaced</u>

Samples Saved From: <u>2700' to RTD</u>

Drilling Time Kept From: <u>2700' to RTD</u>

Samples Examined From: <u>2700' to RTD</u>

Geological Supervision From: <u>2915' to R</u>

Geological Supervision From: <u>2915' to RTD</u>

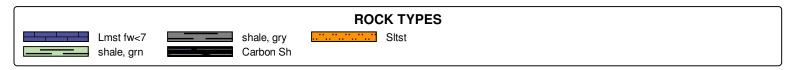
Geologist on Well: <u>Kurt Talbott</u>

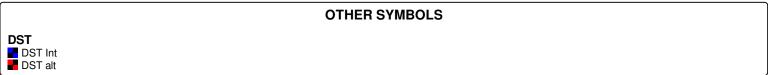
Surface Casing: <u>8 5/8" @ 477'</u> Production: <u>5 1/2" @ 3306'</u>

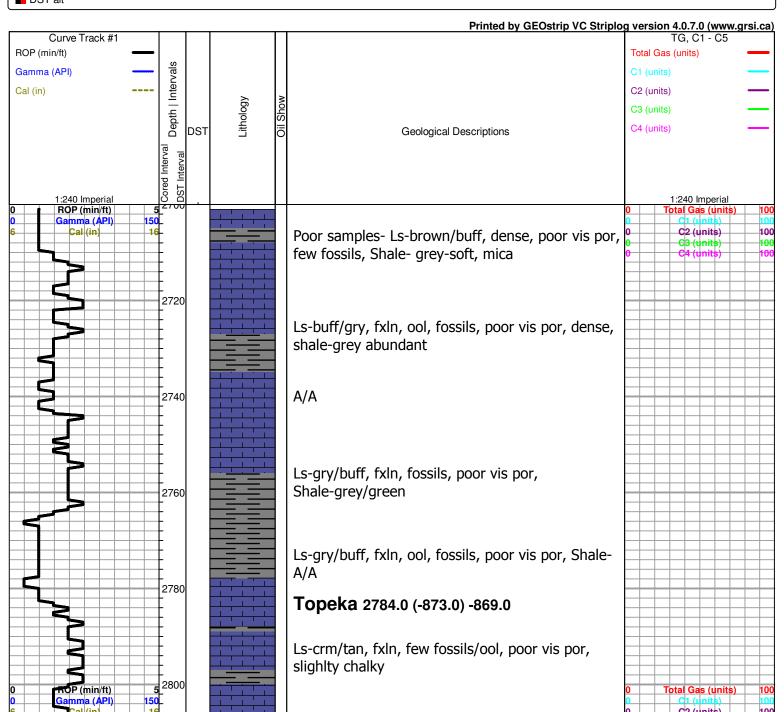
Logs: *None*

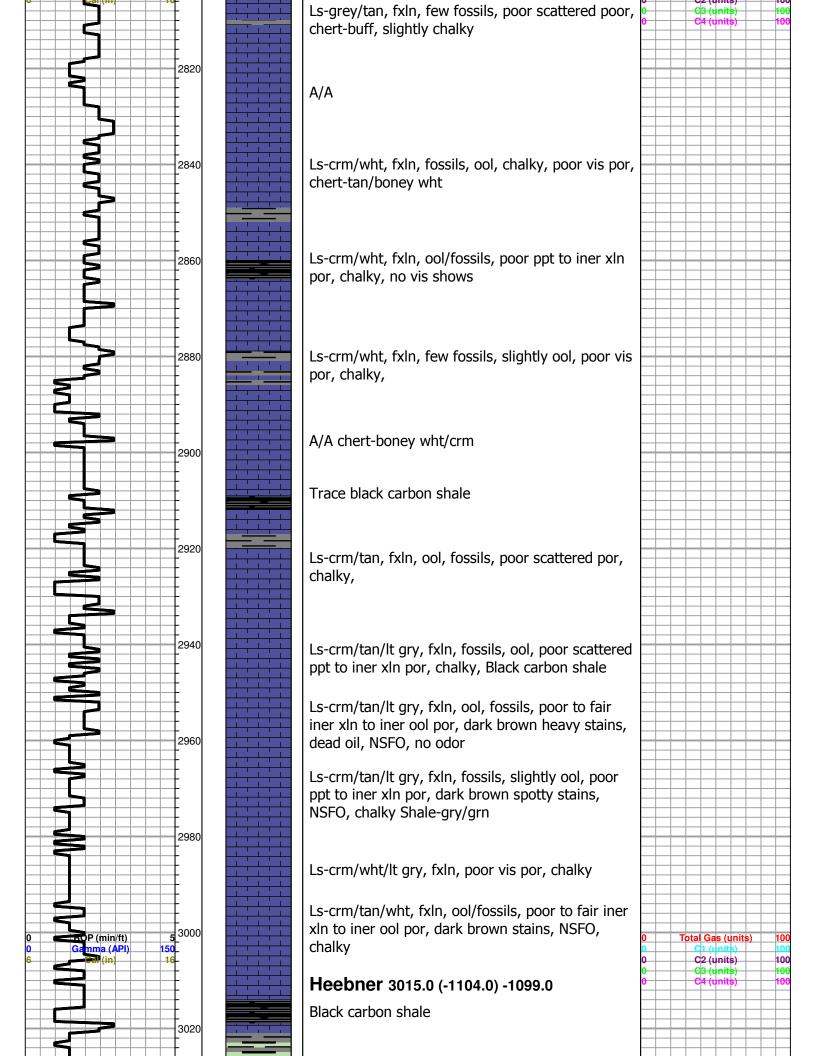
	Rev	Yale nard #1	RJM Prosser			
·	 	Sec. 35-T185-R24W	W2-E2-NE-SE Sec. 31 T155-R13W			
КВ	1911		1909			
Formation	Log	Sub-sea	Sample	Sub-sea		
Anhydrite	875	1036	The Charles States	741		
Base Anh.	906	1005	-	706		
Topeka	2780	-869	2779	-870		
Heebner	3010	-1099	3009	-1100		
Toronto	3026	-1115	3026	-1117		
Douglas	3040	-1129	3040	-1131		

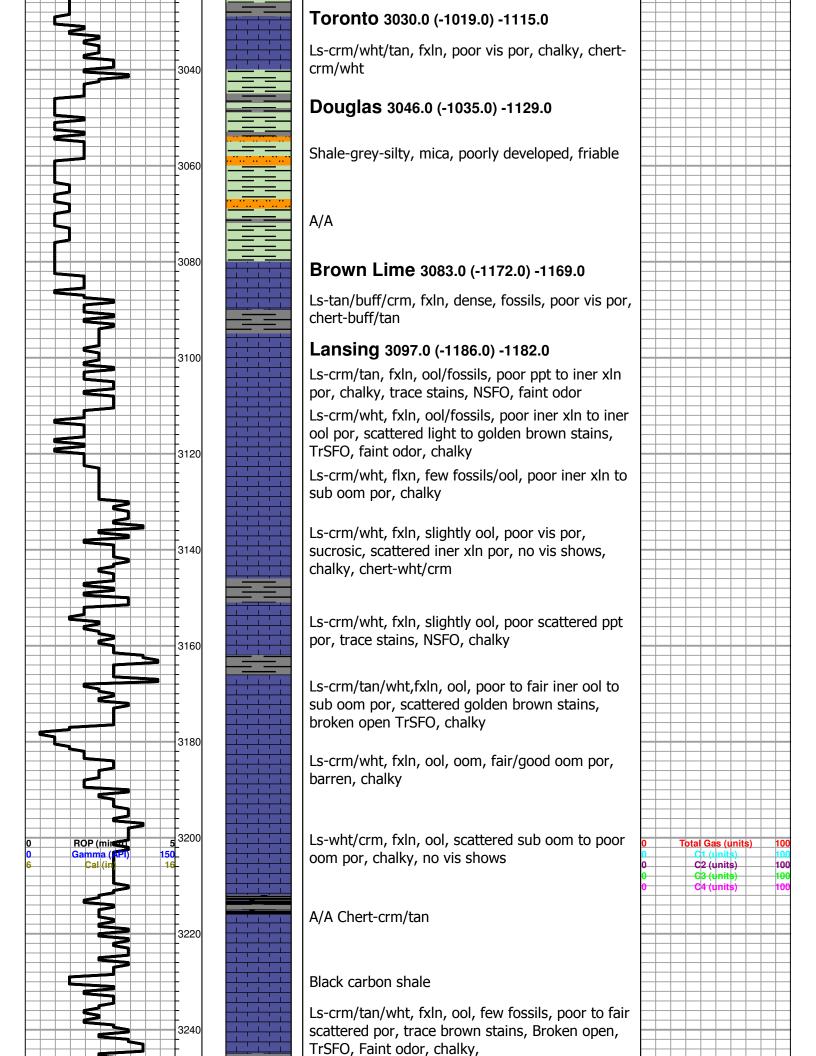
e-odgido	30.0	\$07 - \$2600\$0\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$20,634,535,555,610,000,000,000	
Brown Lime	3080	-1169	3079	-1170
Lansing	3093	-1182	3093	-1184
Base KC	-	-		
Arbuckle	*	~	3320	-1411
RTD	3315	-1404	3325	-1416
LTD	3307	-1396	dali dala bila dala	kista olijaki (13. – 16. – 16. jan 16. jan

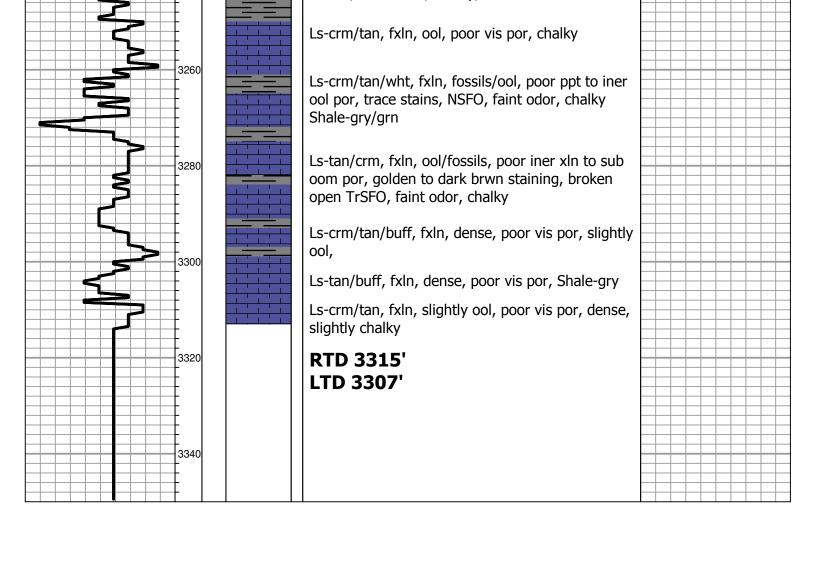












QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7511

Cell 785-324-1041				.,	,		1 2	T
	Sec.	Twp.	Range	1 _	County	State	On Location	Finish
Date 9-19-13	31	15	13	R_{\bullet}	ussell	<u>K5</u>		<u> -1.30 /4/</u>
		-		Locati	on Russe	11 - Barton	Co line) to	N.Inte
Lease Bernard	.l		Well No. ‡ <u></u>	3/	Owner			
Contractor Val #6					You are here	ilwell Cementing, In by requested to rer	nt cementina equipmen	t and furnish
Type Job Surface	>				cementer an	d helper to assist or	wner or contractor to de	o work as listed.
Hole Size /2 1/4		T.D.	477'		Charge Y	10 01 H	5500	
Csg. (5/8		Depth	477'		Street			
Tbg. Size		Depth			City		State	
Tool		Depth			The above wa		and supervision of owner	
Cement Left in Csg. 43	.26	Shoe J	oint 42.26		Cement Amo	ount Ordered 🔾 🛴	25cm3% cc	2 in Gel
Meas Line		Displac	e 27 1/2 1	51_				
	EQUIP	VENT			Common	25		
Pumptrk 6 No. Ceme	enter 3	Hy			Poz. Mix			
Bulktrk & No. Drive	Cla	yton			Gel.			
Bulktrk PU No. Drive		eFL			Calcium 😸			
JOB SE	RVICES	& REMA	RKS		Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal			
Centralizers					Mud CLR 48	3		
Baskets					CFL-117 or 0	CD110 CAF 38		
D/V or Port Collar					Sand			
					Handling 2	'38		
	Aleen,			Apr. (81)	Mileage			
					851	FLOAT EQUIP	MENT	\$.
7				11 (0.146) \$105 (85)	Guide Shoe			
Lemen	+			phallippe (Centralizer			
2050000					Baskets	- Andrews		9
6		4	, ,		AFU Inserts			
Uir	Cu	lat	ρ_{Γ}		Float Shoe			
			-01		Latch Down		But Kolopia III s	
					Baffle	Place + Rub	ber Pluy - 1	
		A PLAN		ing process.				
	. Sue talla difee			. Spransen Service	Pumptrk Cha	arge Surfu	<u> </u>	
					Mileage	6		
							Tax	
11/	7~	\					Discount	
X Signature		\mathcal{I}					Total Charge	
J.g.idass					405-202	-4874		

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Call 785-324-1041

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

No. 7384

Cell 763-324-1041								****	
	Sec.	Twp.	Range		County	State	On Location	Finish	
Date 9-23-13	31	13	15	Kus	81/	KS		4,45 p.m.	
			a material state of the state o	Location	on Krs511/	3 CU Line 21	Elvinto		
Lease Bamaro			Well No. / - 3		Owner				
Contractor Val #16					You are here	ilwell Cementing, Inc by requested to ren	t cementina equipme:	nt and furnish	
Type Job Praduction 5	trina				cementer an	d helper to assist ov	vner or contractor to c	lo work as listed.	
Hole Size $2\frac{7}{8}$		T.D3	345		Charge (alc Dil			
Csg. 5/2 15.50	>	Depth	3309		Street				
Tbg. Size		Depth			City		State		
Tool		Depth			The above wa	as done to satisfaction	and supervision of owne		
Cement Left in Csg. 42)./3	Shoe J	oint 42.13		Cement Amo	ount Ordered 150	com 10%.5alt	S/la/sonite	
Meas Line		Displac	e 723/4			<u> </u>	sagal mud cla	ek	
	EQUIPN	MENT			Common /	30			
Pumptrk 17 No. Cemer Helper	nter ca	9			Poz. Mix				
Bulktrk No. Driver	Carl	′			Gel. / -	?			
Bulktrk /4 No. Driver Driver	Mac)			Calcium				
JOB SEF	RVICES	& REMA	RKS		Hulls				
Remarks:					Salt				
Rat Hole 325K					Flowseal				
Mouse Hole 155K					Kol-Seal 750 #				
Centralizers					Mud CLR 48 500				
Baskets					CFL-117 or	CD110 CAF 38			
D/V or Port Collar		* 50 m			Sand				
5 /2 Set @ 3309		Ulca	324687	2.	Handling	178			
Est. Crestation	Pum	250	opal mala	Part	Mileage				
10 BL Water Space	el C	Emen	Rathel	γ		FLOAT EQUIP	**************************************	<u> </u>	
maschole Cemer	ntス	12 W	1+/1 105 5x	<u></u>	Guide Shoe		2		
Clear lines v D	GNa	ce Pi	va.		Centralizer	6-torbos			
Pha landado	1000	#. R.	lease Pies.	sore	Baskets	<u> </u>		33	
Dal	às				AFU Inserts				
	i i i i i i i i i i i i i i i i i i i				Float Shoe				
					Latch Down			5.0	
	e de linge.			1,000		21 82			
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<u> </u>	<u> </u>	mak sast, wa		905 6039	Mileage /	60			
				<u></u>			Ta	×	
		C	The state of the s		1		Discoun	ıt	
X Signature	CA	7					Total Charge	Э	
Signature	1		gray - graffie to the part of the delication of	Ψ.	ı				



Dual Compensated Porosity Log

County Location Field Well Bernard #1-31 Yale Oil Association, Inc. Trapp Russell 1980' FSL & 1980' FEL 15s Rge: State Kansas 13w

15-167-23,903-00-00

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Type Log
Depth Driller

CNL / CDL

9/22/2013

Bottom Logged Interval

op Logged Interva ype Fluid In Hole

> 2700 3307 3286

Depth Logger

Date Run Number

Log Measured From Drilling Measured From

Ground Level Kelly Bushing Kelly Bushing

6

Ft. Above Perm. Datum Elevation 1901

Elevation 1911

Other Services
DIL
MEL

Permanent Datum

Comments

Thank you for using Pioneer Energy Services www.pioneeres.com 785 625 3858

Russell KS, 11 1/2 S to County Line, 2 E, 1/8 N, E Into 1/2

Database File: c:\warrior\data\yale bernard #1-31\yalehd.db

Dataset Pathname: dil/yalestk Presentation Format: cdl

Run No

Bit

From 00 477

T₀

Size 8.625

Wgt 24#

7 47 7

<<< Fold Here >>>

Casing Record From 00

Borehole Record

Kurt Talbott

C. Desaire

Hays

1/2 Hours

7.875

Operating Rig Time

Max. Rec. Temp.

Density Level

Chemical 4,900 9.2 Full 109

Salinity, PPM CI

Equipment --

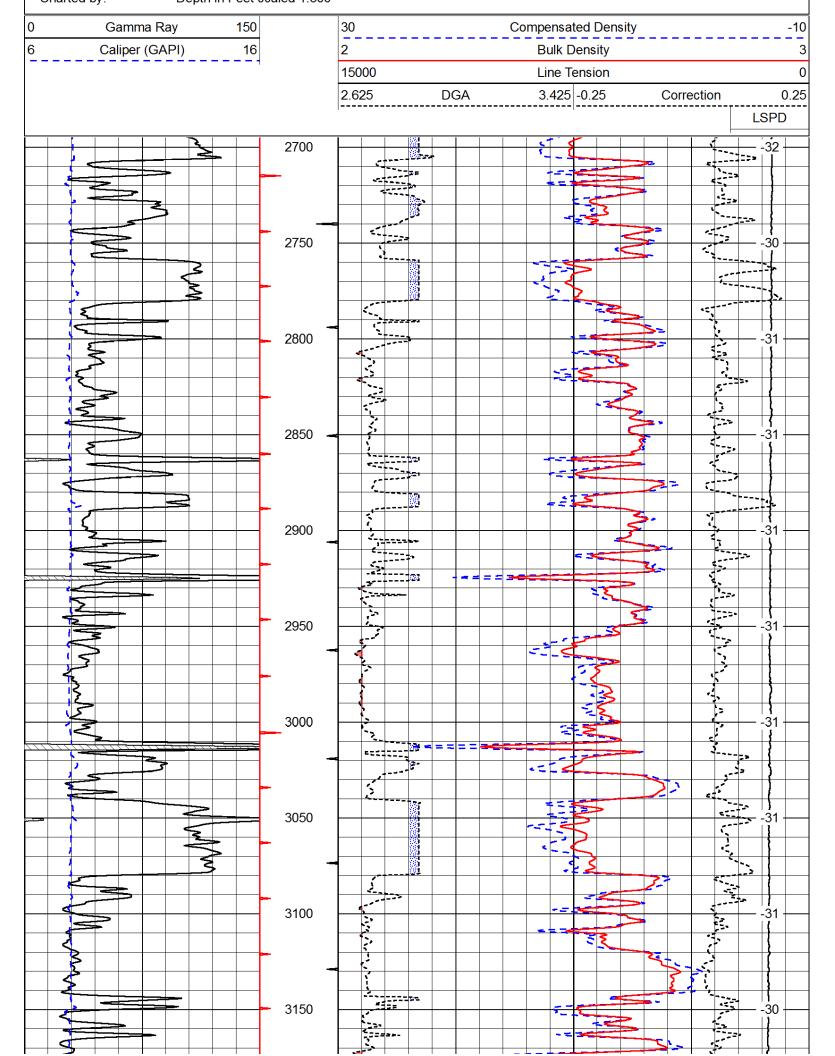
Location

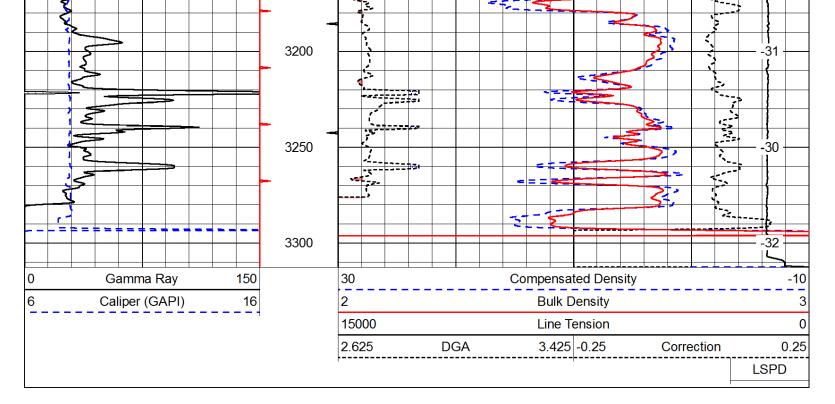
Recorded By

Witnessed By

Dataset Creation: Sun Sep 22 16:23:11 2013

Charted hv: Denth in Feet scaled 1:600

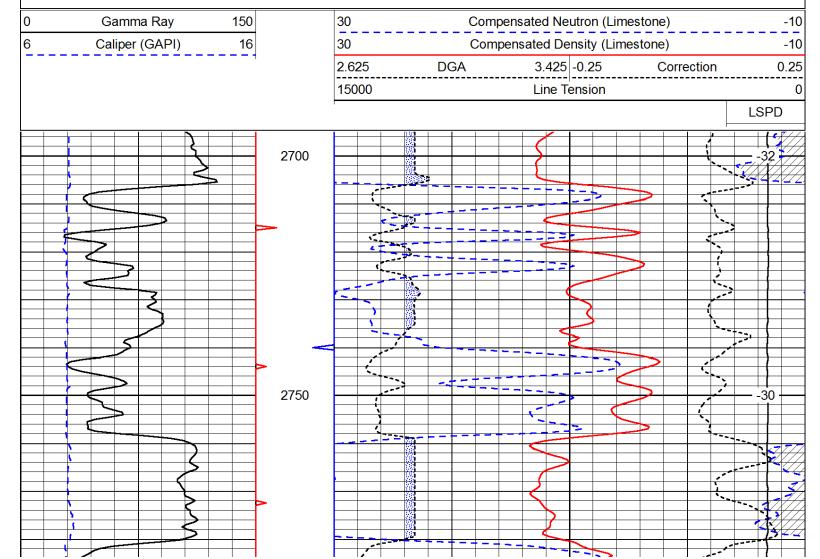


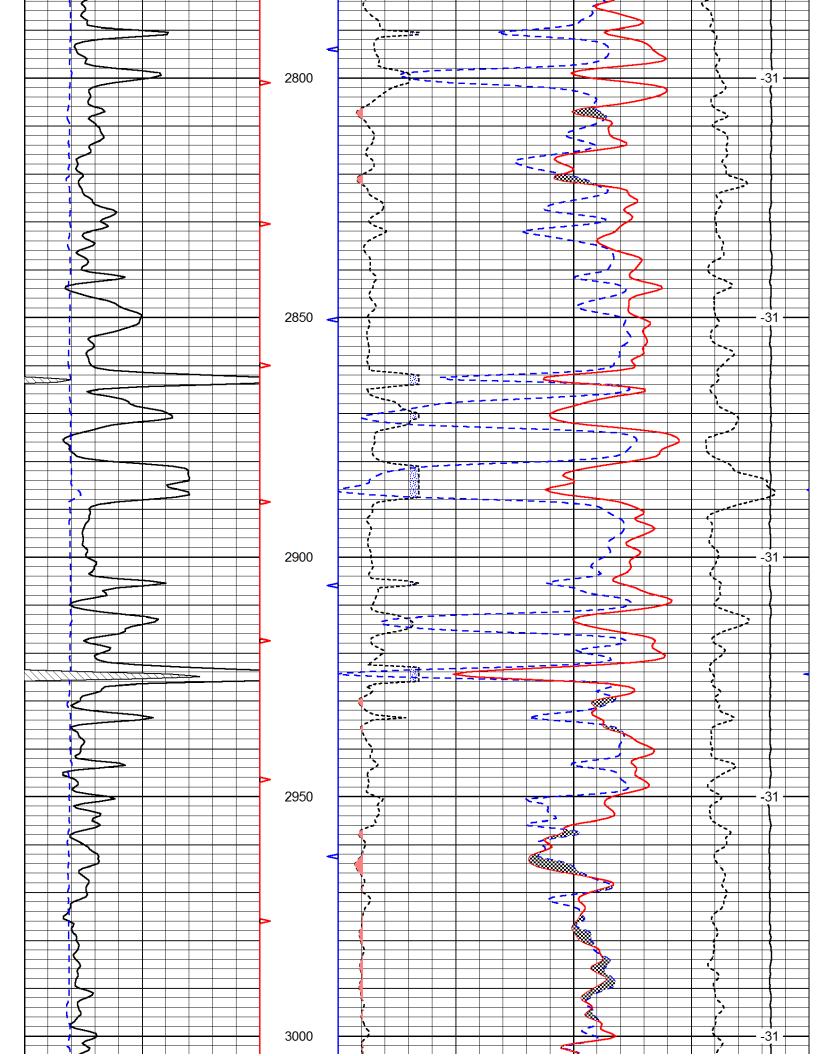


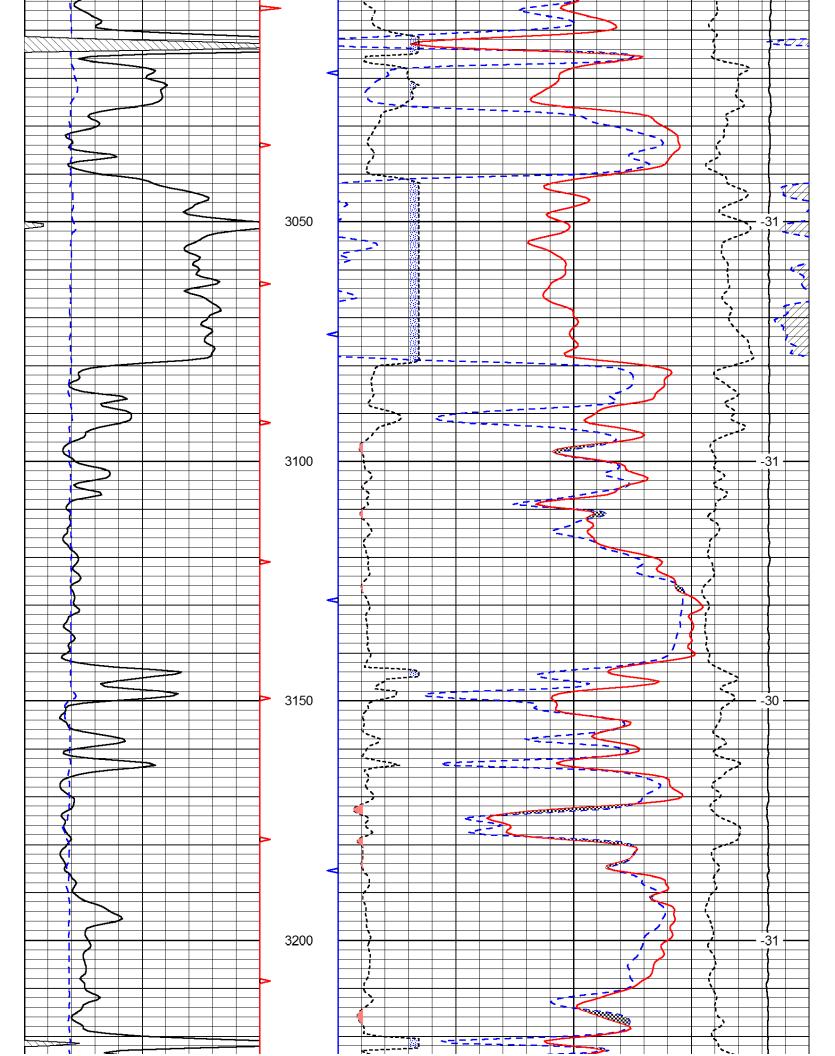
Database File: c:\warrior\data\yale_bernard #1-31\yalehd.db

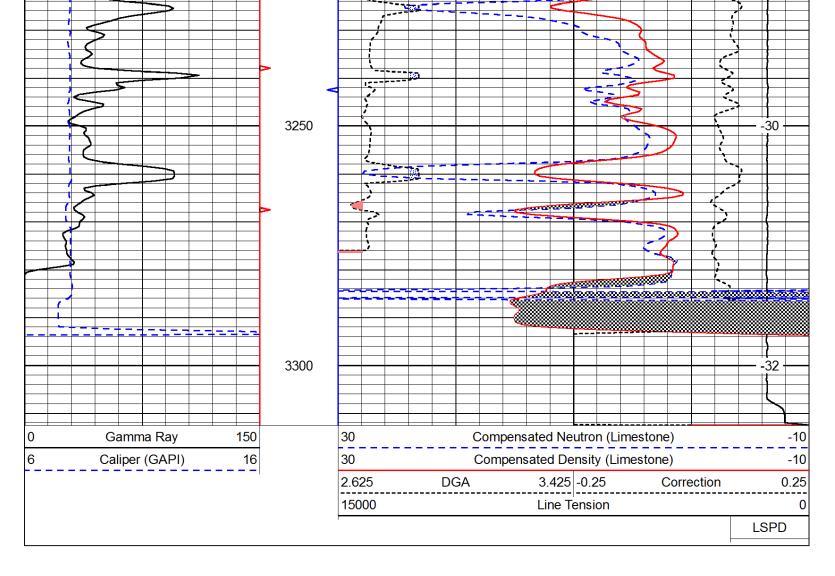
Dataset Pathname: dil/yalestk Presentation Format: cndlspec

Dataset Creation: Sun Sep 22 16:23:11 2013 Charted by: Depth in Feet scaled 1:240











Dual Induction Log

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured FromKelly Bushing Rmc @ Meas. Temp Source of Rmf / Rmc Bottom Logged Interval County Location Field We∐ Bernard #1-31 Yale Oil Association, Inc. Russell Trapp 1980' FSL & 1980' FEI 9.2 9.0 Charts .79 @ 109 3 1/2 Hours 83 .49 Chemical 4,900 Flowline 7.875 3306 3315 3307 477 @ 450 109 999 15s 109 53 8.0 6 78 78 Ft. Above Perm. Datum State Elevation 1901 Rge: 13w Elevation 1911 MEL

Run Number

15-167-23,903-00-00

Depth Driller

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Comments

Thank you for using Pioneer Energy Services www.pioneeres.com 785 625 3858

Russell KS, 11 1/2 S to County Line, 2 E, 1/8 N, E Into 1/2

Database File: c:\warrior\data\yale bernard #1-31\yalehd.db

Dataset Pathname: dil/yalestk Presentation Format: dil2in

Rm @ BHT

Witnessed By Recorded By Equipment Number Max Rec Temp F Operating Rig Time

Location

C. Desaire

Hays

<<< Fold Here >>>

Rmf @ Meas. Temp

Rm @ Meas. Temp

pH / Fluid Loss

Source of Sample

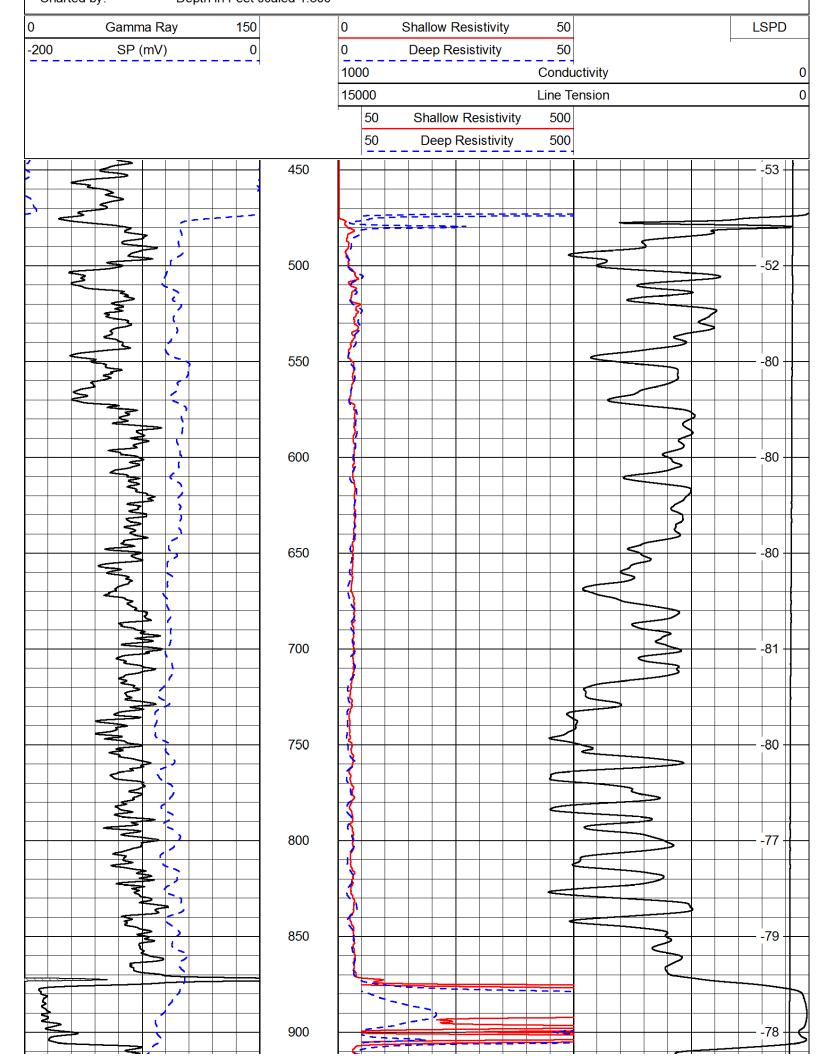
Density / Viscosity Salinity,ppm CL Casing Logger

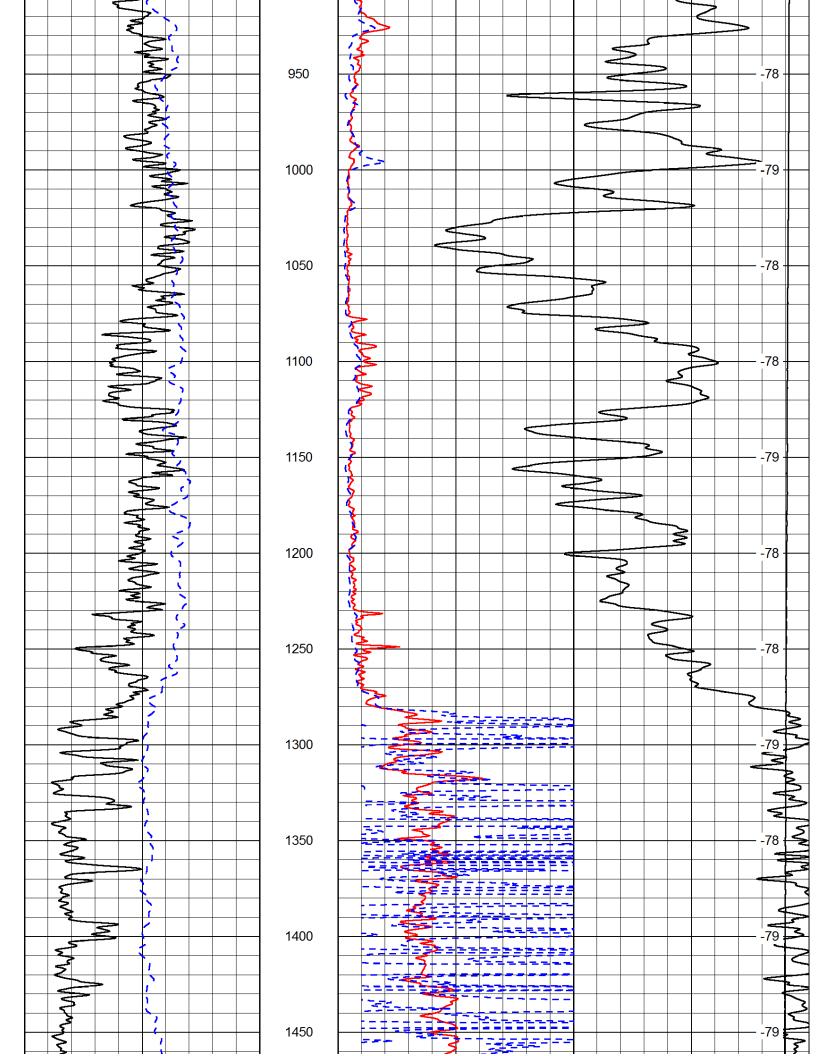
ype Fluid in Hole

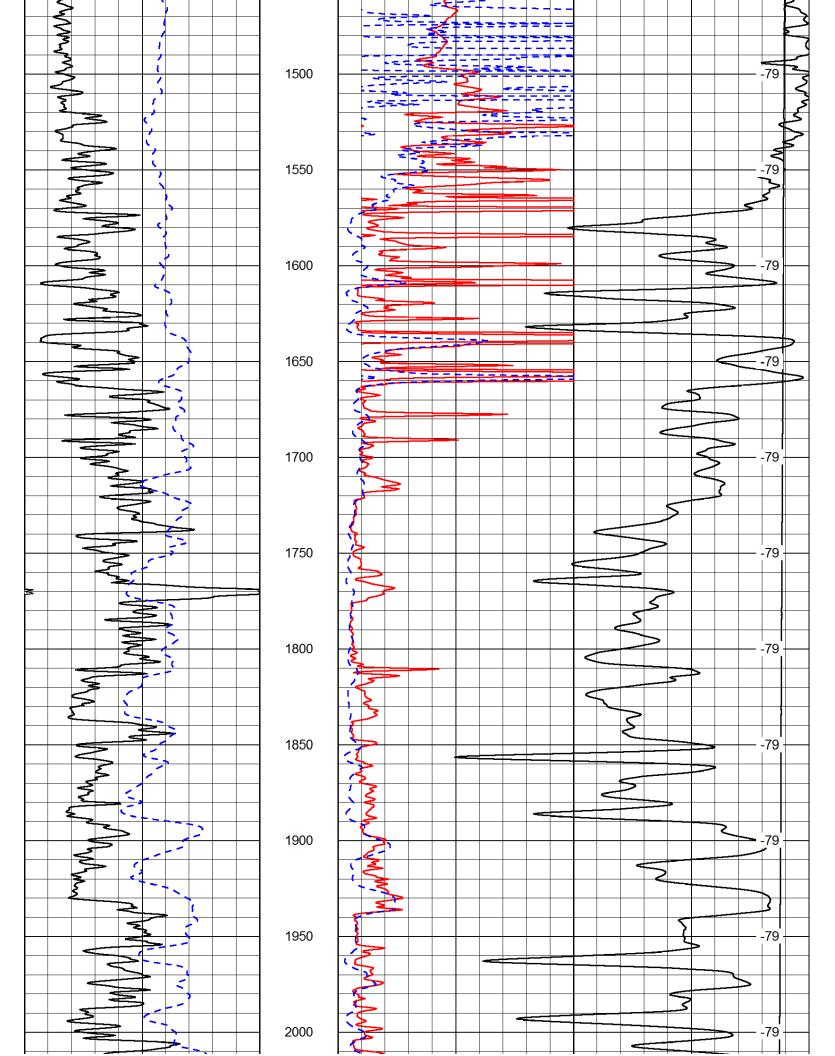
Casing Driller

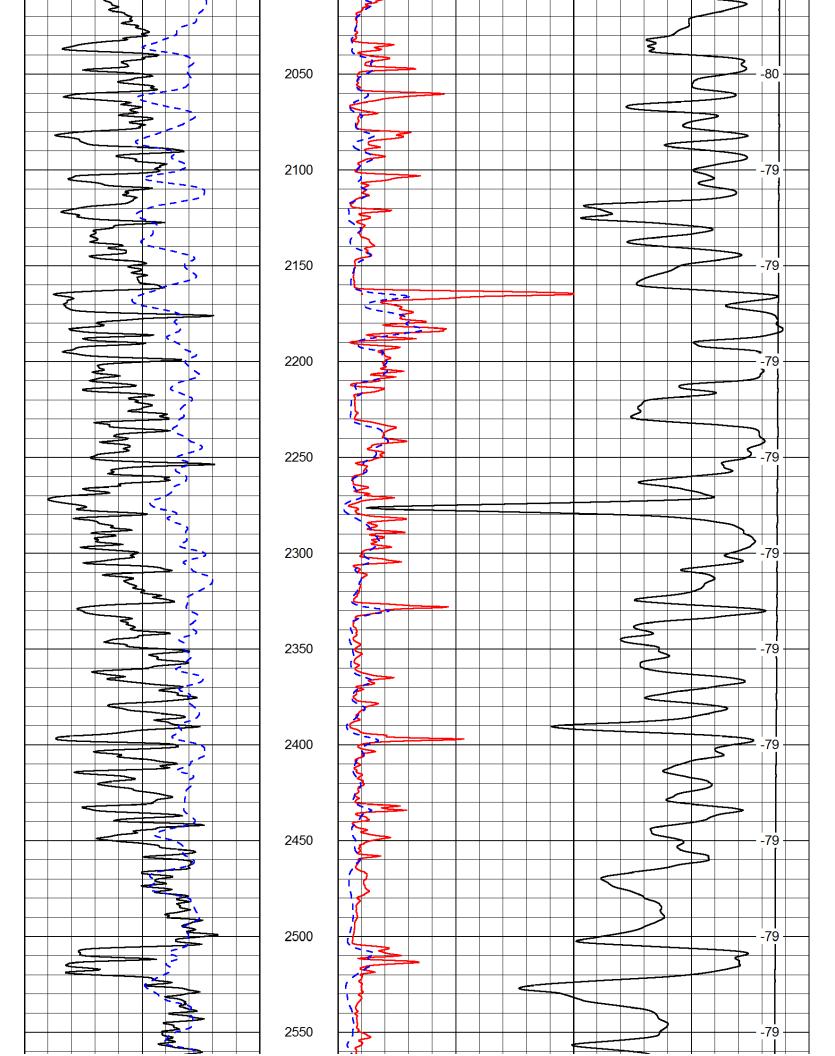
Top Log Interva

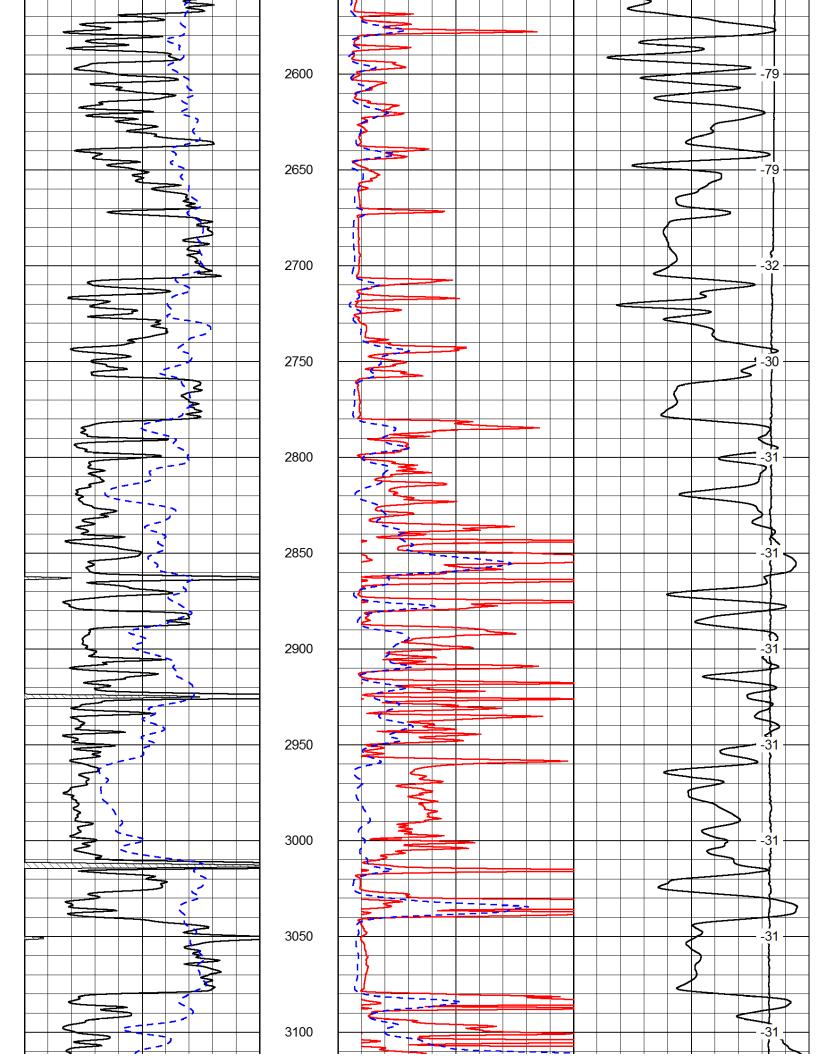
Dataset Creation: Sun Sep 22 16:23:11 2013 Charted hv: Denth in Feet scaled 1:600

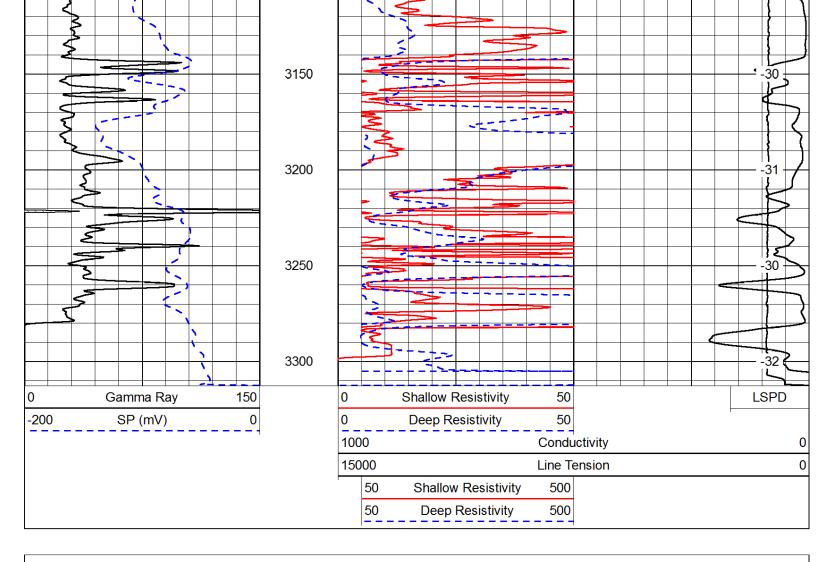












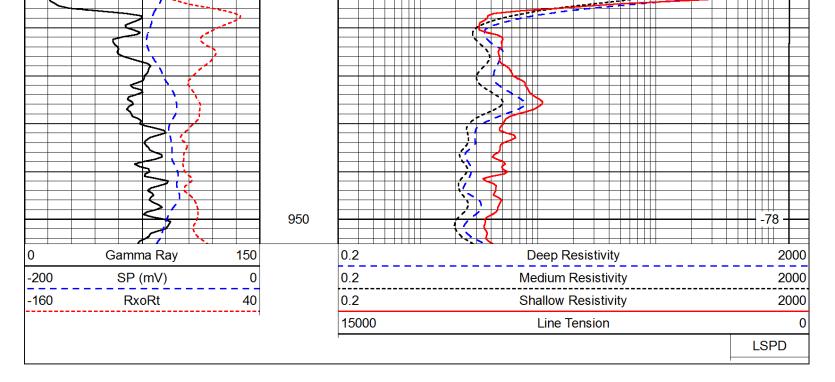
Database File: c:\warrior\data\yale_bernard #1-31\yalehd.db

Dataset Pathname: dil/yalestk

Presentation Format: dil

Dataset Creation: Sun Sep 22 16:23:11 2013 Charted by: Depth in Feet scaled 1:240

Charte	ed by: Depth	in Feet scaled 1:240			
0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	RxoRt	40	0.2	Shallow Resistivity	2000
		'	15000	Line Tension	0
					LSPD
		850			-79
		900			-78



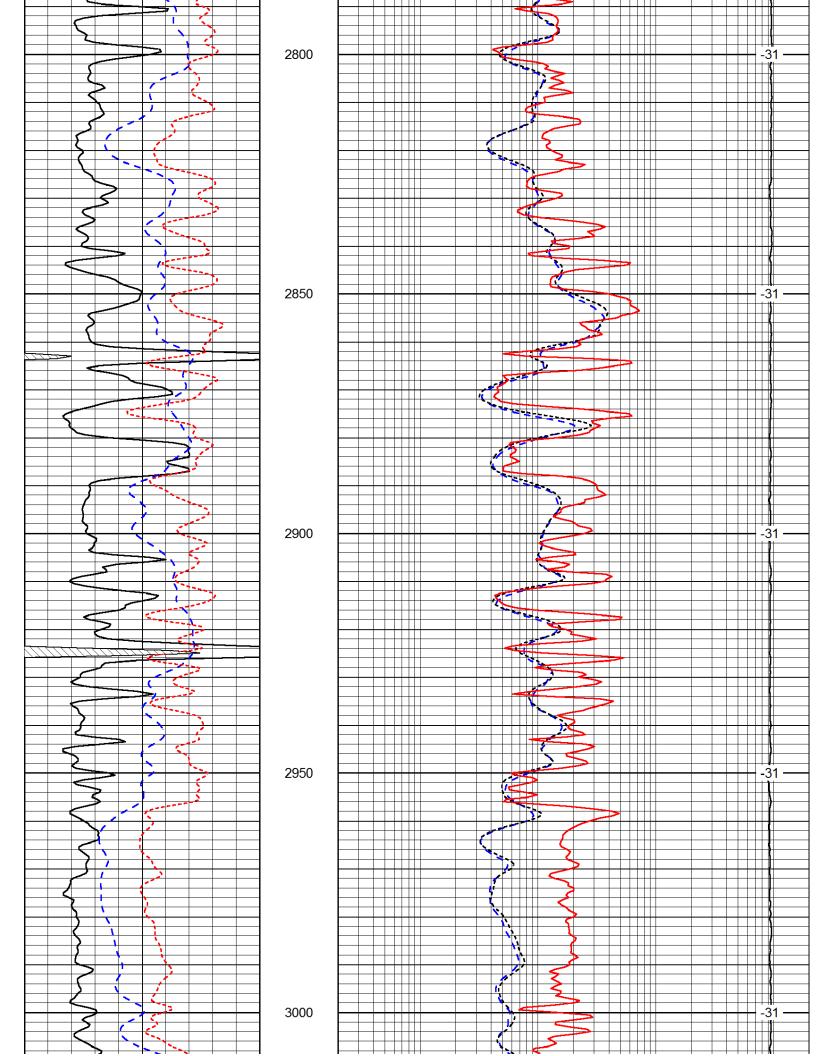
Database File: c:\warrior\data\yale_bernard #1-31\yalehd.db

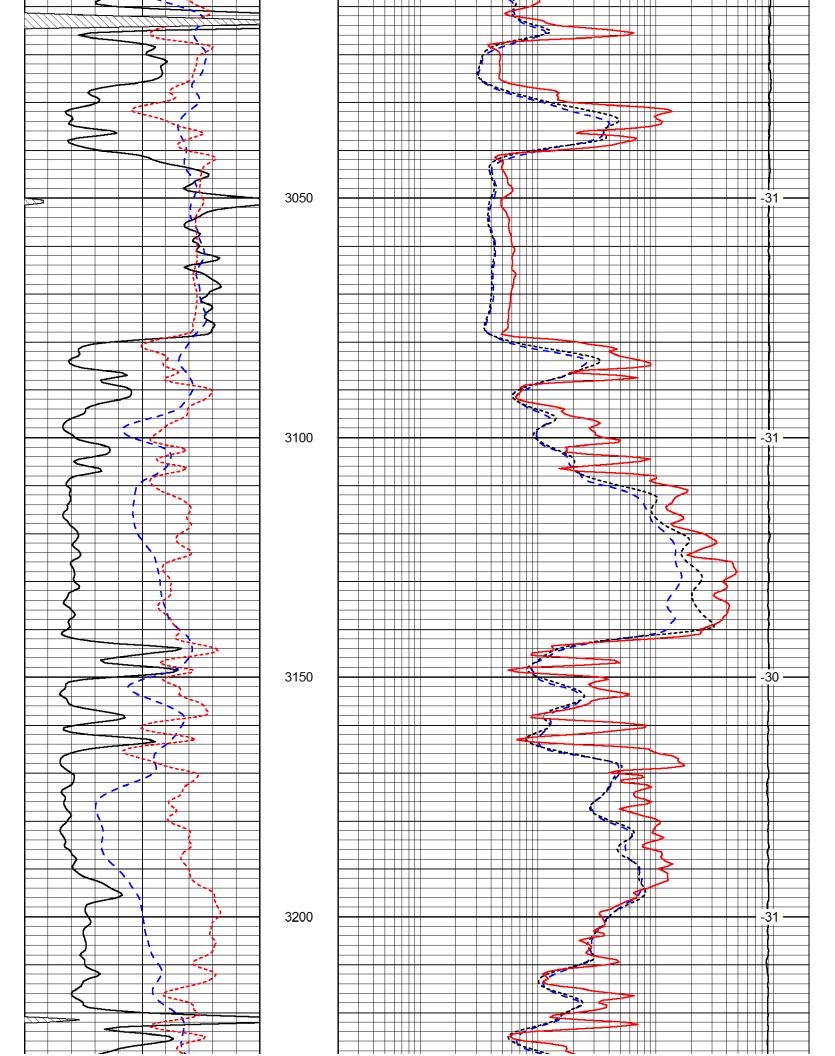
Dataset Pathname: dil/yalestk

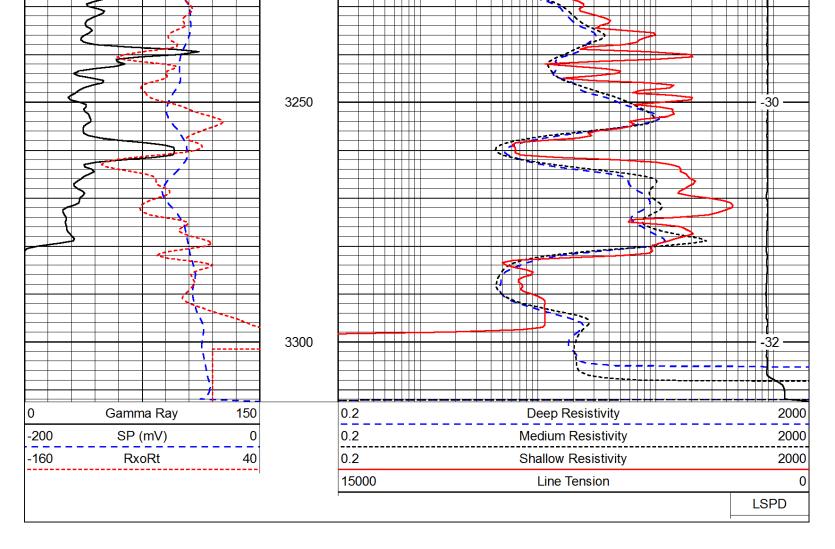
Presentation Format: dil

Dataset Creation: Sun Sep 22 16:23:11 2013 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	RxoRt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
					LSPD
		270	00		-32
			50		-30









API No

15-167-23,903-00-00

County

Russell

State

Field

Trapp

We∐

Bernard #1-31

Company

Yale Oil Association, Inc.

Location

1980' FSL & 1980' FEI

15s

13w

Elevation 1911

Microresistivity

<<< Fold Here >>>

Rm @ BHT

Witnessed By Recorded By Equipment Number Max Rec Temp F Operating Rig Time

Location

C. Desaire

Hays

109

Rmc @ Meas. Temp Source of Rmf / Rmc Rmf @ Meas. Temp

1.1 @ 78 .83 @ 78 1.49 @ 78 Charts .79 @ 109 3 1/2 Hours

109

83

78 78

pH / Fluid Loss

Source of Sample

@ Meas. Temp

Salinity,ppm CL

ype Fluid in Hole

Density / Viscosity

9.2 9.0

53 8.0

Flowline

Chemical 4,900

7.875

477 @

Casing Logger

Casing Driller

Top Log Interva

Bottom Logged Interval

3306 2700

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured FromKelly Bushing

6

Ft. Above Perm. Datum

Elevation 1901 Rge:

Run Number

Depth Driller

Comments

Thank you for using Pioneer Energy Services www.pioneeres.com 785 625 3858

Russell KS, 11 1/2 S to County Line, 2 E, 1/8 N, E Into 1/2

Database File: c:\warrior\data\yale bernard #1-31\yalehd.db

Dataset Pathname: dil/yalestk Presentation Format: micro

Dataset Creation: Sun Sep 22 16:23:11 2013 Charted hv: Denth in Feet scaled 1:240

