



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197242
OIL & GAS CONSERVATION DIVISION

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 # _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1197242

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

Po Box 8037
Wichita KS, 67208

ATTN: Frank Mize

Pinnick "A" 1-33X

33-9s-24w Graham KS

Start Date: 2014.03.27 @ 18:58:00

End Date: 2014.03.28 @ 05:17:15

Job Ticket #: 56094 DST #: 1

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

Printed: 2014.03.31 @ 14:52:04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

33-9s-24w Graham KS

Po Box 8037
Wichita KS, 67208

Pinnick "A" 1-33X

Job Ticket: 56094

DST#: 1

ATTN: Frank Mize

Test Start: 2014.03.27 @ 18:58:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:21:30

Time Test Ended: 05:17:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3979.00 ft (KB) To 4062.00 ft (KB) (TVD)

Reference Elevations: 2519.00 ft (KB)

Total Depth: 4062.00 ft (KB) (TVD)

2510.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8940 Outside

Press@RunDepth: 63.96 psig @ 4046.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.27

End Date:

2014.03.28

Last Calib.:

2014.03.28

Start Time: 18:58:05

End Time:

05:17:15

Time On Btm:

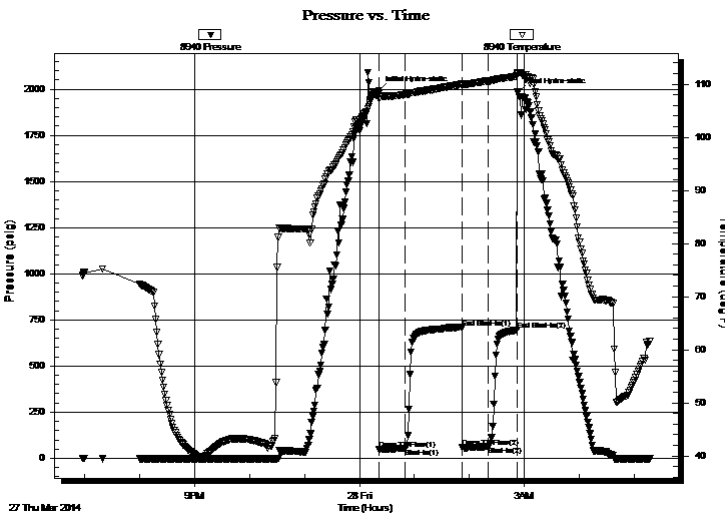
2014.03.28 @ 00:21:15

Time Off Btm:

2014.03.28 @ 02:52:30

TEST COMMENT: 30 - IF- 1/2" blow
60 - IS- No return
30 - FF- No blow
30 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.68	108.20	Initial Hydro-static
1	47.48	107.19	Open To Flow (1)
29	54.93	107.97	Shut-In(1)
91	706.73	109.97	End Shut-In(1)
91	58.04	109.75	Open To Flow (2)
120	63.96	110.51	Shut-In(2)
151	694.44	111.48	End Shut-In(2)
152	1984.06	111.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM, 20%W, 80%M	0.14

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

33-9s-24w Graham KS

Po Box 8037
Wichita KS, 67208

Pinnick "A" 1-33X

Job Ticket: 56094

DST#: 1

ATTN: Frank Mize

Test Start: 2014.03.27 @ 18:58:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviased: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:21:30 Tester: Cody Bloedorn
 Time Test Ended: 05:17:15 Unit No: 73
 Interval: **3979.00 ft (KB) To 4062.00 ft (KB) (TVD)**
 Total Depth: 4062.00 ft (KB) (TVD) Reference Elevations: 2519.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2510.00 ft (CF)
 KB to GR/CF: 9.00 ft

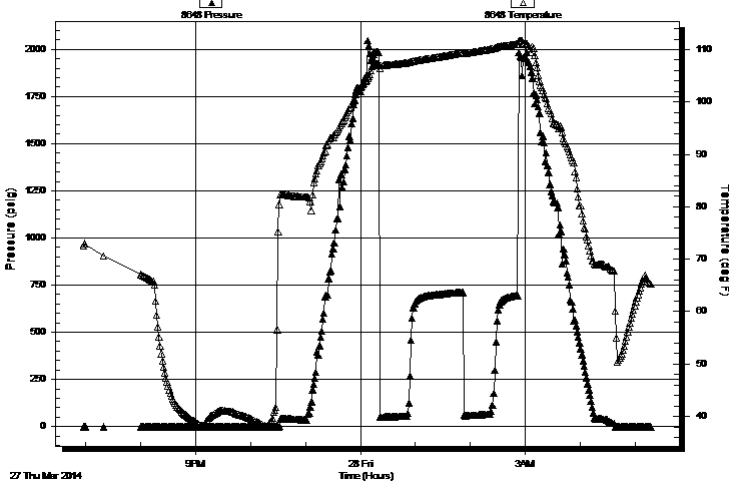
Serial #: 8648

Inside

Press@RunDepth: psig @ 4046.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.27 End Date: 2014.03.28 Last Calib.: 2014.03.28
 Start Time: 18:58:05 End Time: 05:17:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF- 1/2" blow
 60 - IS- No return
 30 - FF- No blow
 30 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM, 20%W, 80%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

33-9s-24w Graham KS

Po Box 8037
Wichita KS, 67208

Pinnick "A" 1-33X

Job Ticket: 56094

DST#: 1

ATTN: Frank Mize

Test Start: 2014.03.27 @ 18:58:00

Tool Information

Drill Pipe:	Length: 3982.00 ft	Diameter: 3.80 inches	Volume: 55.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 55.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3979.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3951.00	
Shut In Tool	5.00			3956.00	
Hydraulic tool	5.00			3961.00	
Jars	5.00			3966.00	
Safety Joint	3.00			3969.00	
Packer	5.00			3974.00	29.00 Bottom Of Top Packer
Packer	5.00			3979.00	
Stubb	1.00			3980.00	
Perforations	2.00			3982.00	
Change Over Sub	1.00			3983.00	
Drill Pipe	62.00			4045.00	
Change Over Sub	1.00			4046.00	
Recorder	0.00	8648	Inside	4046.00	
Recorder	0.00	8940	Outside	4046.00	
Perforations	13.00			4059.00	
Bullnose	3.00			4062.00	83.00 Bottom Packers & Anchor
Total Tool Length:	112.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

33-9s-24w Graham KS

Po Box 8037
Wichita KS, 67208

Pinnick "A" 1-33X

Job Ticket: 56094

DST#: 1

ATTN: Frank Mize

Test Start: 2014.03.27 @ 18:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WM, 20%W, 80%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

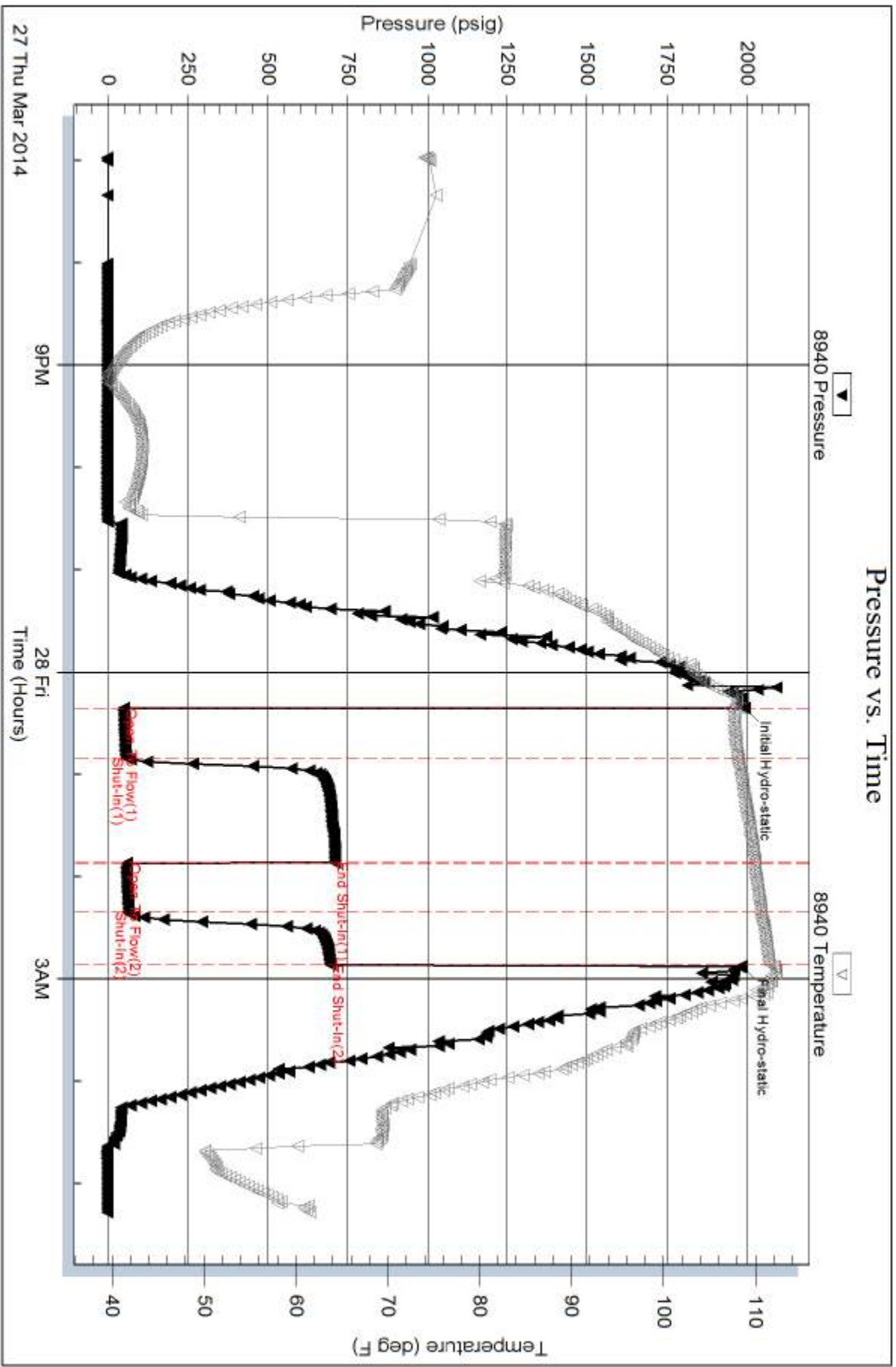
Recovery Comments: .24 @ 50 Degrees = 42,000 Chlorides

Serial #: 8940

Outside Cobalt Energy LLC

Pinnick "A" 1-33X

DST Test Number: 1



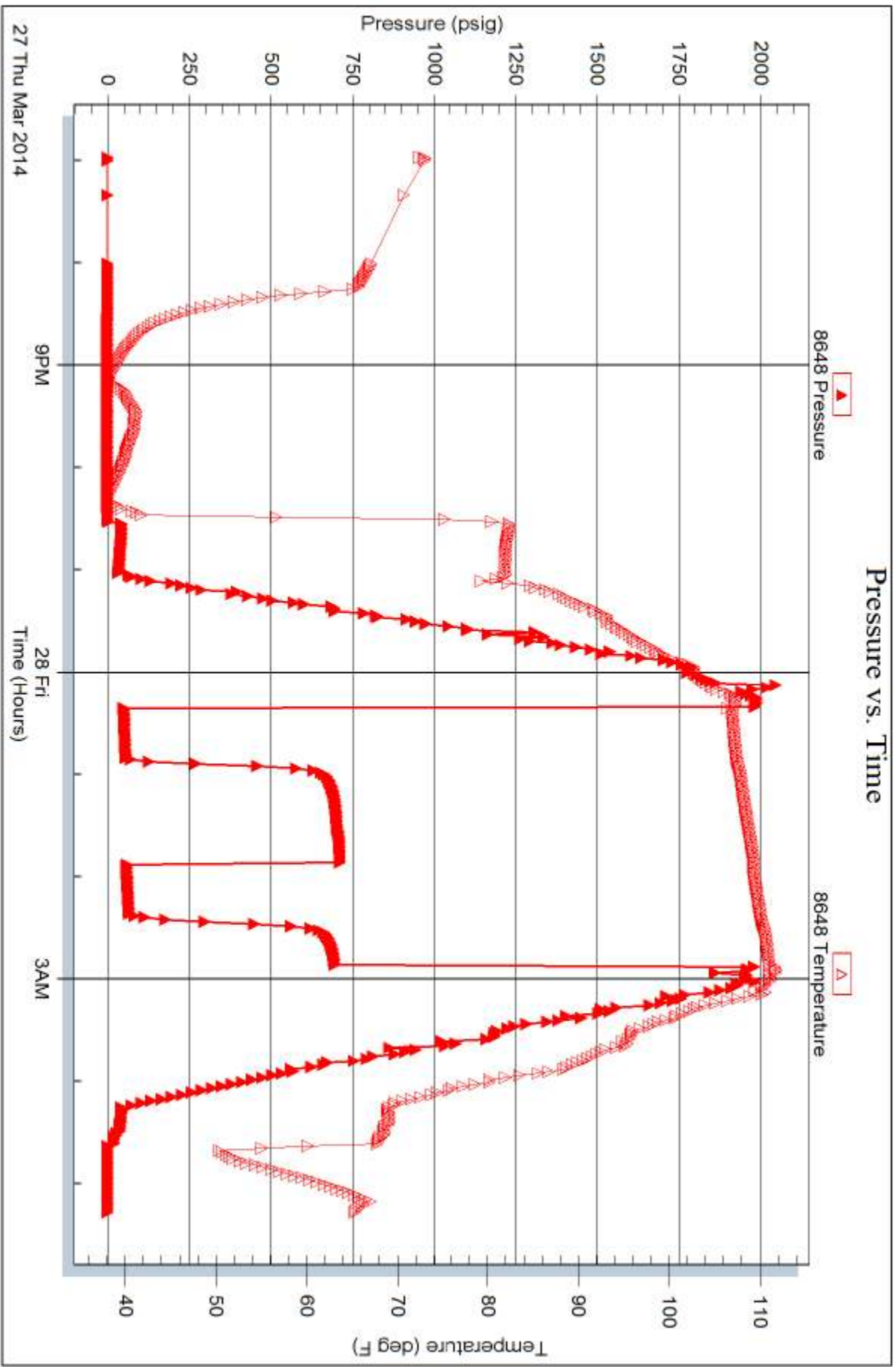
Serial #: 8648

Inside

Cobalt Energy LLC

Pinnick "A" 1-33X

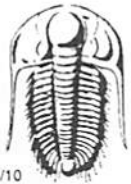
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56094

Printed: 2014.03.31 @ 14:52:07



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56094**

Well Name & No. Pinnick "A" 1-33x Test No. 1 Date 3-27-14
 Company Cobalt Energy LLC Elevation 2519 KB 2510 GL
 Address Po Box 8037, Wichita KS, 67208
 Co. Rep / Geo. Frank Mize Rig Southwind 8
 Location: Sec. 33 Twp. 9s Rge. 24w Co. Graham State KS

Interval Tested 3979-4062 Zone Tested LKC "H, I, J"
 Anchor Length 83' Drill Pipe Run 3982' Mud Wt. 9.2
 Top Packer Depth 3974 Drill Collars Run — Vis 52
 Bottom Packer Depth 3979 Wt. Pipe Run — WL 6-0
 Total Depth 4062 Chlorides 1700 ppm System LCM 2#

Blow Description IF- 1/2" blow
ISI- No return
FF- No blow
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>WM</u>		<u>20</u>	<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 111° Gravity — API RW .24 @ 50° F Chlorides 42,000 ppm

(A) Initial Hydrostatic <u>1993</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1834</u>
(B) First Initial Flow <u>47</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1858</u>
(C) First Final Flow <u>54</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:22</u>
(D) Initial Shut-In <u>706</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0252</u>
(E) Second Initial Flow <u>58</u>	<input checked="" type="checkbox"/> Hourly Standby <u>.25h 25</u>	T-Out <u>0517</u>
(F) Second Final Flow <u>63</u>	<input checked="" type="checkbox"/> Mileage <u>120RT 186</u>	Comments
(G) Final Shut-In <u>694</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1984</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 30

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1786

Total 1786
 MP/DST Disc't

Approved By _____ Our Representative Cody Bloodorn

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

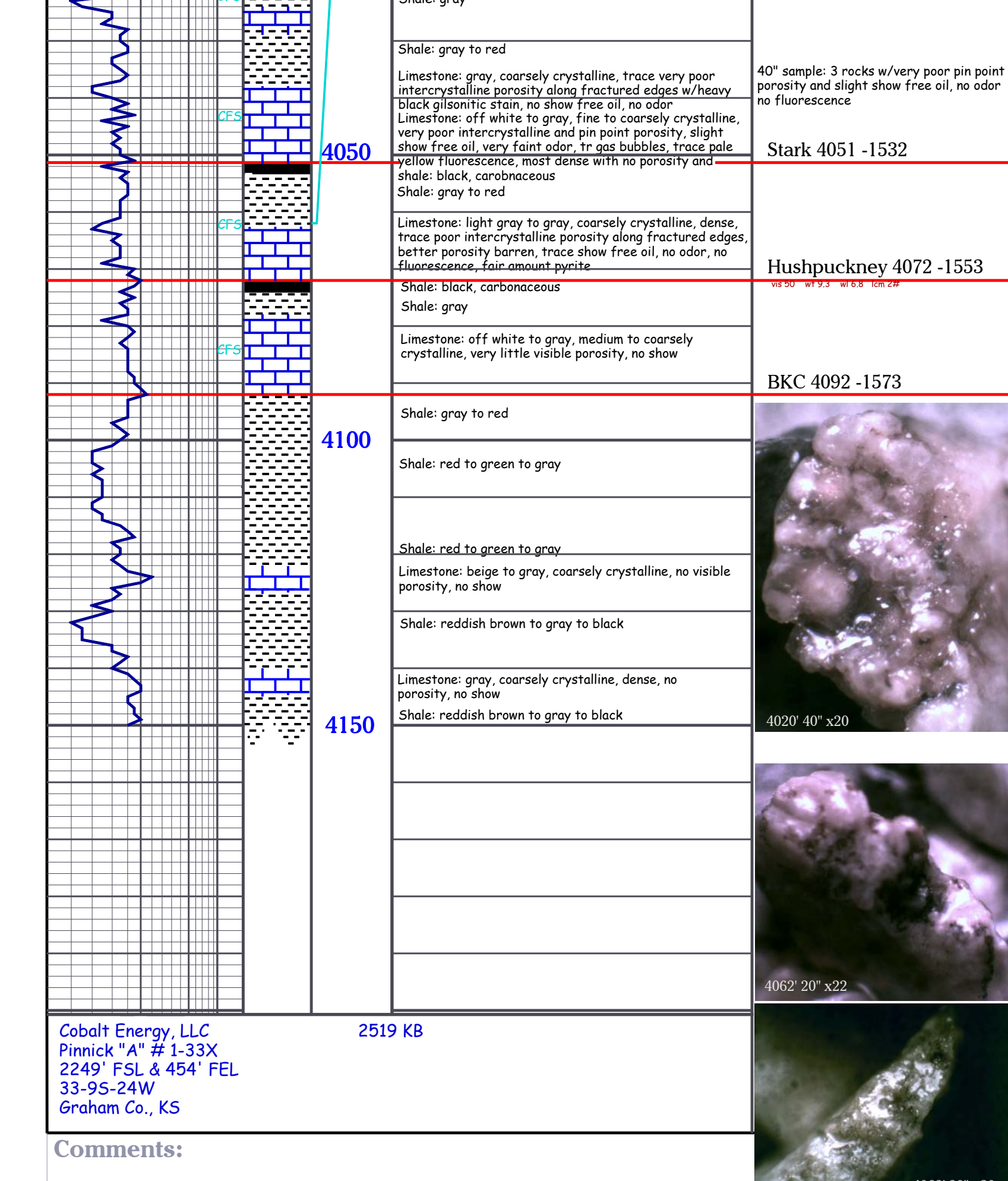
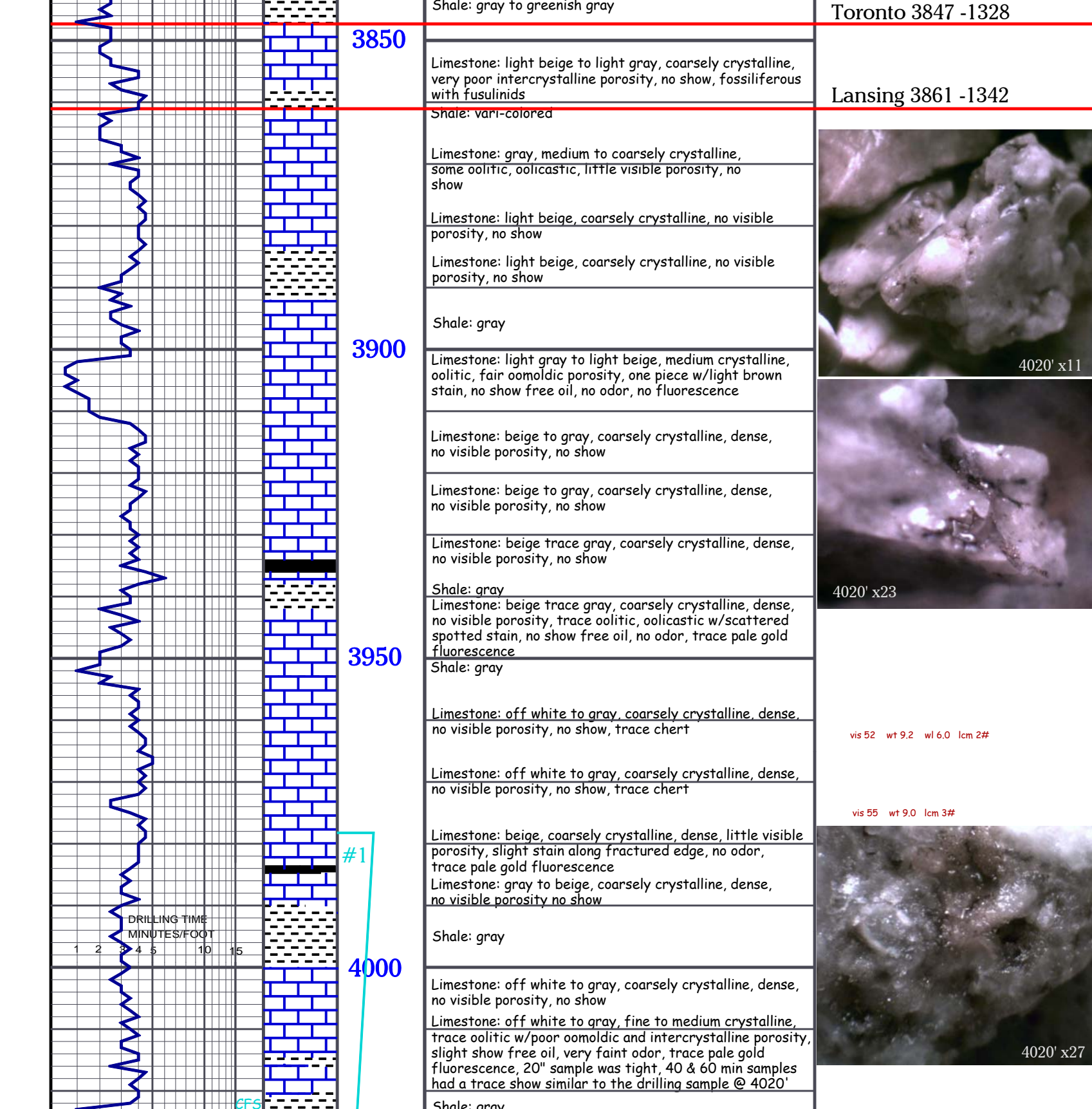
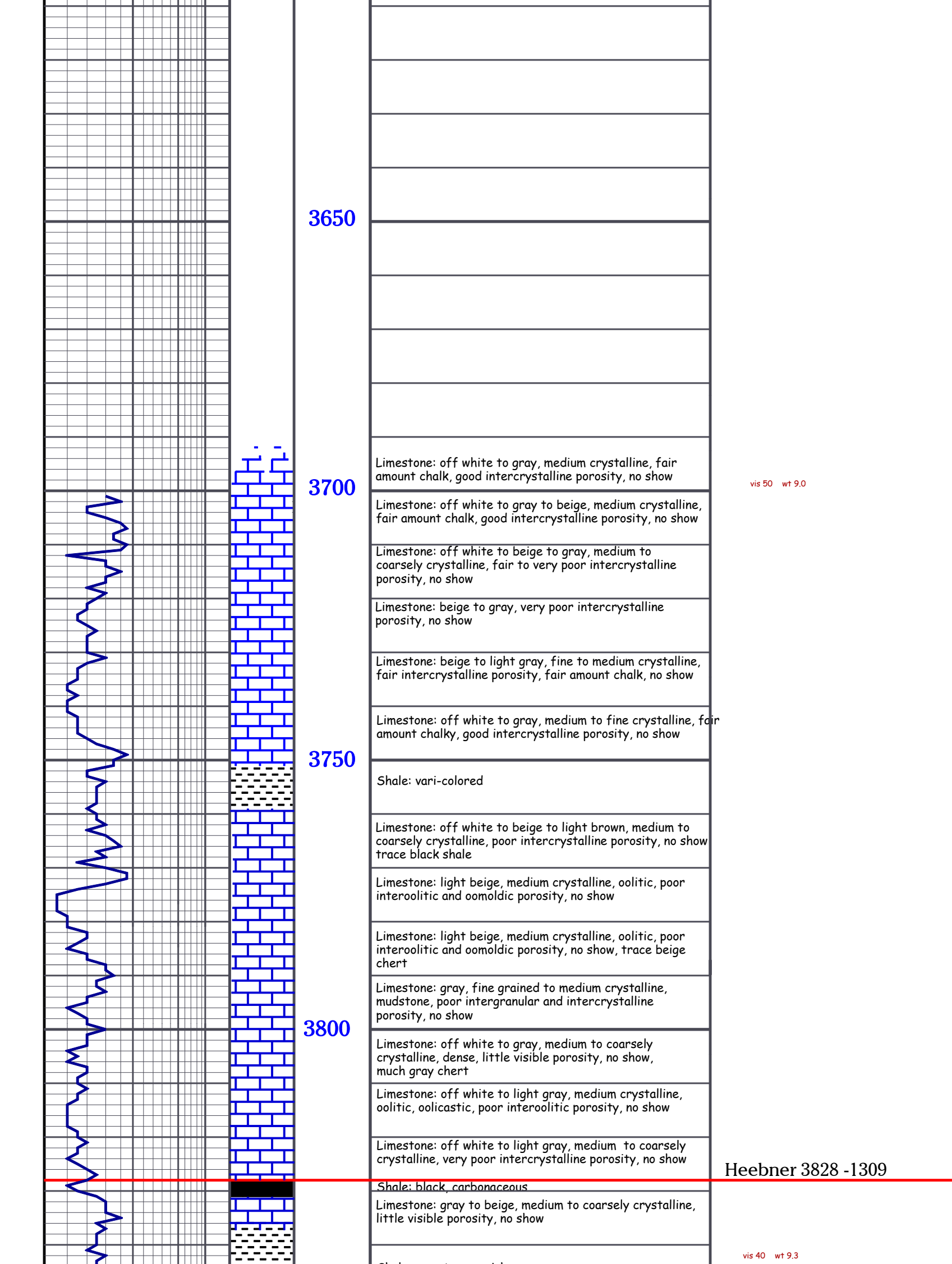
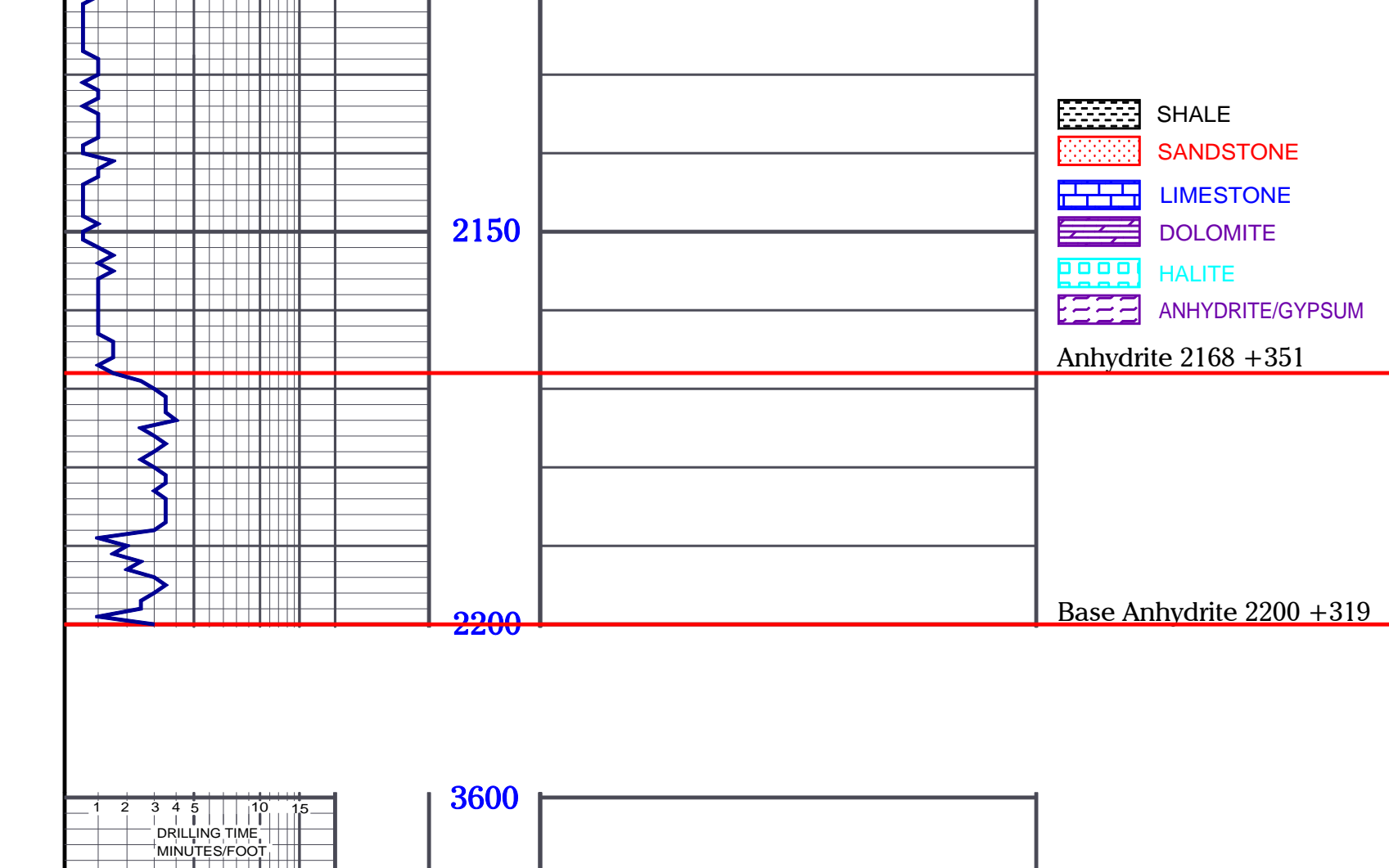
COMPANY: Cobalt Energy, LLC
LEASE: Pinnick "A" # 1-33X
FIELD: Wilkeat
LOCATION: 2,249 FSL & 454 FEL
SEC: 33 TWP: 9S RGE: 24W
COUNTY: Graham STATE: Kansas

CONTRACTOR: Southwind Drilling Rig #8
SPUD: 3-22-14 COMP: 3-29-14
SAMPLES SAVED FROM: 3700 TO RTD

FORMATION: SAMPLE E LOG DATUM A. E LOG B. E LOG C. E LOG

Anhydrite	2148	2144	+351	+335	-359	+361
Base Anhydrite	2200	2200	+319	+300	-324	+384
Heebner	3828	3822	-1303	-1309	-1295	-1301
Heebner	3847	3843	-1324	-1332	-1316	-1324
Lansing	3861	3855	-1336	-1346	-1429	-1348
Munick Creek	4051	4047	-1528	-1472	-1458	-1468
Stark	4072	4067	-1548	-1556	-1536	-1527
Hushpuckney	4092	4086	-1567	-1575	-1547	-1568
BKC					-1575	-1568
RTD	4190	4148	-1629	-1604		-1571

REFERENCE WELLS:
A. 1380' FSL & 335' FEL, 32.95-24W, Cobalt Energy, Crichtfield, "A" #1-32
B. 1340' FSL & 2100' FEL, 34.95-24W, Phillips Exploration, Herriman Trust #1-34
C. CHESEBONE 33-9S-24W, National Oil, #1 Kohari



Cobalt Energy, LLC
Pinnick "A" # 1-33X
2249 FSL & 454 FEL
33-9S-24W
Graham Co., KS

Comments:

GENERAL INFORMATION:
Formation: LKC "H,I,J"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:21:30
Time Test Ended: 05:17:15

Interval: 3979.00 ft (KB) To 4062.00 ft (KB) (TVD)
Total Depth: 4062.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

Reference Elevations: 2519.00 ft (KB)
2510.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8940 Outside
Press@RunDepth: 63.96 psig @ 4046.00 ft (KB)
Start Date: 2014.03.27
Start Time: 18:58:05
End Date: 2014.03.28
End Time: 05:17:15
Capacity: 8000.00 psig
Last Calib.: 2014.03.28
Time On Btm: 2014.03.28 @ 00:21:15
Time Off Btm: 2014.03.28 @ 02:52:30

TEST COMMENT: 30 - IF- 1/2" blow
60 - IS- No return
30 - FF- No blow
30 - FSI- No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.68	108.20	Initial Hydro-static
1	47.48	107.19	Open To Flow (1)
29	54.93	107.97	Shut-In(1)
91	706.73	109.97	End Shut-In(1)
91	58.04	109.75	Open To Flow (2)
120	63.96	110.51	Shut-In(2)
151	694.44	111.48	End Shut-In(2)
152	1984.06	111.98	Final Hydro-static

Recovery Table

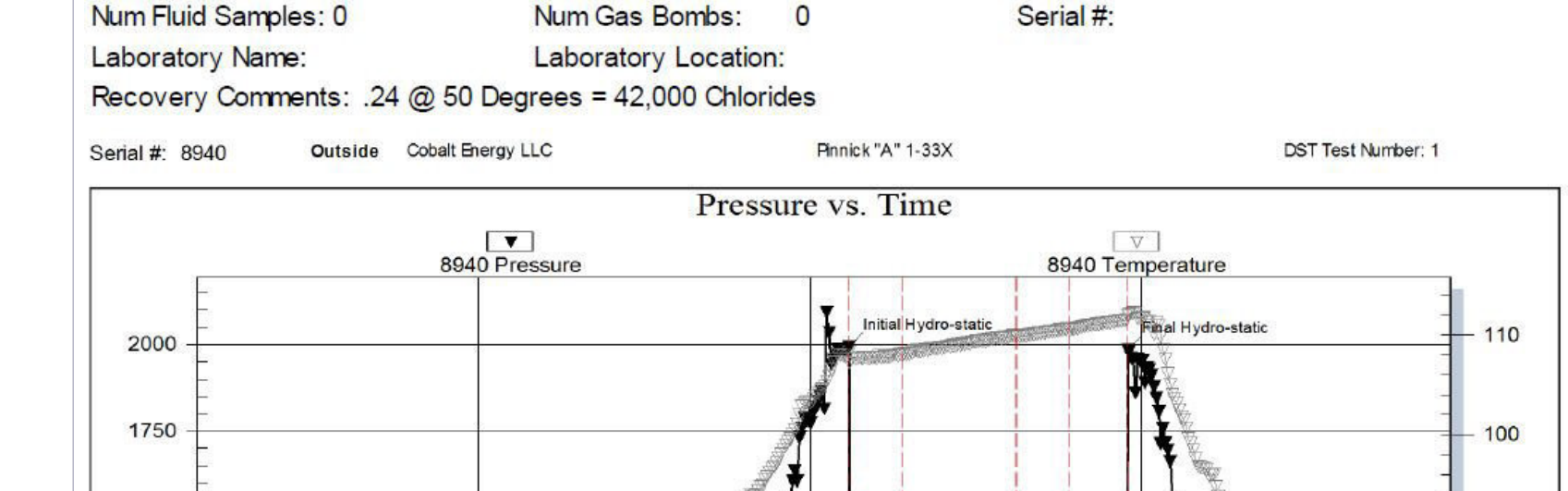
Length ft	Description	Volume bbl
10.00	WM, 20%W, 80%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: 8940

Laboratory Name: Laboratory Location:
Recovery Comments: .24 @ 50 Degrees = 42,000 Chlorides

Serial #: 8940 Outside Cobalt Energy LLC Pinnick "A" # 1-33X DST Test Number: 1



03-22-14 Spud well at 10:15a.m. Ran 6 joints of new 8 5/8", 23# surface casing. Set @ 262'. Allied cemented with 180 sacks of cement with 3% CC and 2% gel. Plug down @ 5:00p.m. Cement did circulate. (Ticket #54214) Deviation survey 1/4" @ 262'. WOC.

03-23-14 7:00a.m., @ 2174'. Drilling ahead.

03-24-14 7:00a.m., @ 2174'. Drilling ahead. Driller's Anhydrite: 2164-2200'

03-25-14 7:00a.m., @ 2945'. Drilling ahead.

03-26-14 7:00a.m., @ 3425'. Drilling ahead.

03-27-14 7:00a.m., @ 3973'. Drilling ahead.

03-28-14 7:00A.M., @ 4062'. Tripping in hole with bit after DST #1. RTD 4150', LTD 4148'. Pioneer Energy Services logged well with a Dual Induction & Neutron-Density log. The logging was completed at 10:00p.m. on 03-28-14.

03-29-14 Plugged well with 220 sacks of 60/40 Poz, 4% gel, 1/2# flo-seal, 1st plug @ 2200' w/25sx, 2nd plug @ 1273' w/10sx, 3rd plug @ 300' w/4bsx, 4th plug @ 40' w/10sx, 30sx for rat hole & 15sx for mouse hole. Cemented by Allied (ticket #61331), job complete @ 8:30am on 03-29-14.

