



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1148832
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: _____



1148832

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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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Moeder Trust 'A' 1-22
Doc ID	1148832

All Electric Logs Run

Dual Induction
Neutron-Density
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Moeder Trust 'A' 1-22
Doc ID	1148832

Tops

Name	Top	Datum
Anhydrite	2632	537
Base Anhydrite	2657	512
Heebner	4048	-879
Toronto	4074	-905
Lansing	4088	-919
Muncie Creek	4236	-1067
Stark	4320	-1151
BKC	4391	-1222
Cherokee	4563	-1394
Johnson	4642	-1473
Mississippian	4708	-1539

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 19, 2013

Nicholas D. Hess
Cobalt Energy LLC
115 S. BELMONT #12
PO BOX 8037
WICHITA, KS 67208

Re: ACO1
API 15-109-21187-00-00
Moeder Trust 'A' 1-22
SE/4 Sec.22-11S-34W
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Nicholas D. Hess



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S Belmont #12
Wichita, KS 67208

ATTN: Corey Baker

Moeder Trust A 1-22

22 11s 34w Logan,KS

Start Date: 2013.06.14 @ 22:08:00

End Date: 2013.06.15 @ 03:38:00

Job Ticket #: 53305 DST #: 1

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

Printed: 2013.06.19 @ 08:10:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy, LLC

22 11s 34w Logan, KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

Job Ticket: 53305

DST#: 1

ATTN: Corey Baker

Test Start: 2013.06.14 @ 22:08:00

GENERAL INFORMATION:

Formation: **Kansas City "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:36:45

Time Test Ended: 03:38:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III (

Unit No: 53

Interval: 4230.00 ft (KB) To 4265.00 ft (KB) (TVD)

Reference Elevations: 3173.00 ft (KB)

Total Depth: 4265.00 ft (KB) (TVD)

3162.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8677

Inside

Press @ RunDepth: 28.59 psig @ 4237.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.14

End Date:

2013.06.15

Last Calib.: 2013.06.15

Start Time: 22:08:05

End Time:

03:37:59

Time On Btm: 2013.06.15 @ 00:36:30

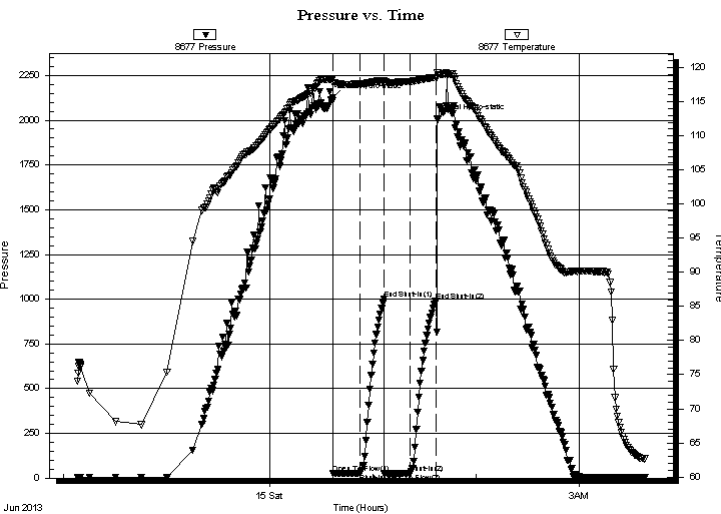
Time Off Btm: 2013.06.15 @ 01:37:15

TEST COMMENT: IF: Weak surface blow -died in 3 1/2 min

IS: No return

FF: No blow

FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.95	118.37	Initial Hydro-static
1	25.49	117.83	Open To Flow (1)
16	27.08	117.60	Shut-In(1)
30	1000.08	118.13	End Shut-In(1)
30	27.24	117.55	Open To Flow (2)
45	28.59	117.98	Shut-In(2)
60	990.79	118.58	End Shut-In(2)
61	2010.29	119.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w ith oil specs	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

22 11s 34w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

Job Ticket: 53305

DST#: 1

ATTN: Corey Baker

Test Start: 2013.06.14 @ 22:08:00

Tool Information

Drill Pipe:	Length: 3959.00 ft	Diameter: 3.80 inches	Volume: 55.53 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: 25000.00 lb
Drill Collar:	Length: 266.00 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 56.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4230.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Double pin	1.00			4204.00	
Shut In Tool	5.00			4209.00	
Hydraulic tool	5.00			4214.00	
Jars	5.00			4219.00	
Safety Joint	2.00			4221.00	
Packer	5.00			4226.00	27.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Perforations	6.00			4237.00	
Recorder	0.00	8677	Inside	4237.00	
Recorder	0.00	8522	Outside	4237.00	
Perforations	25.00			4262.00	
Bullnose	3.00			4265.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

22 11s 34w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

Job Ticket: 53305

DST#: 1

ATTN: Corey Baker

Test Start: 2013.06.14 @ 22:08:00

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:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w ith oil specs	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

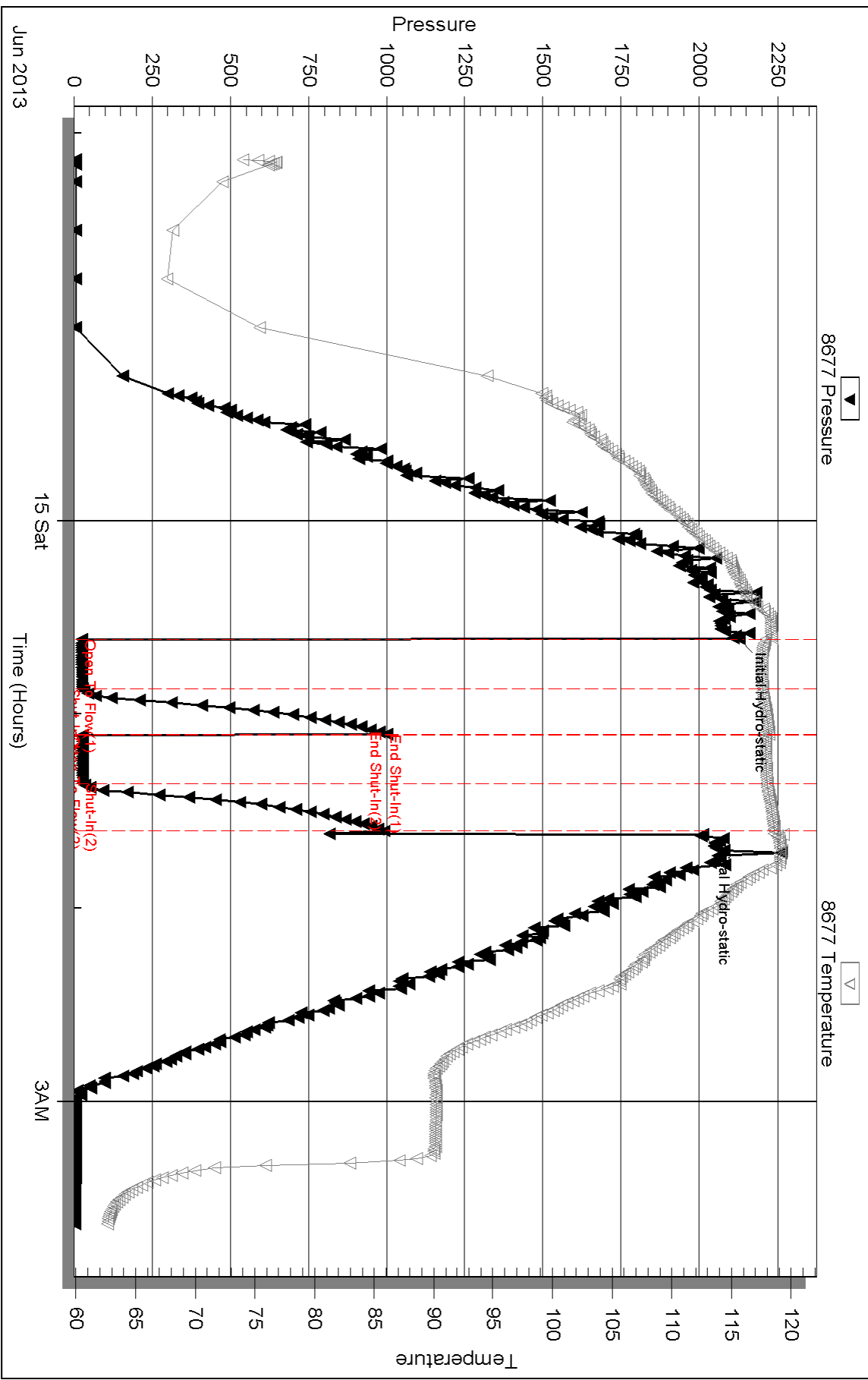
Serial #:

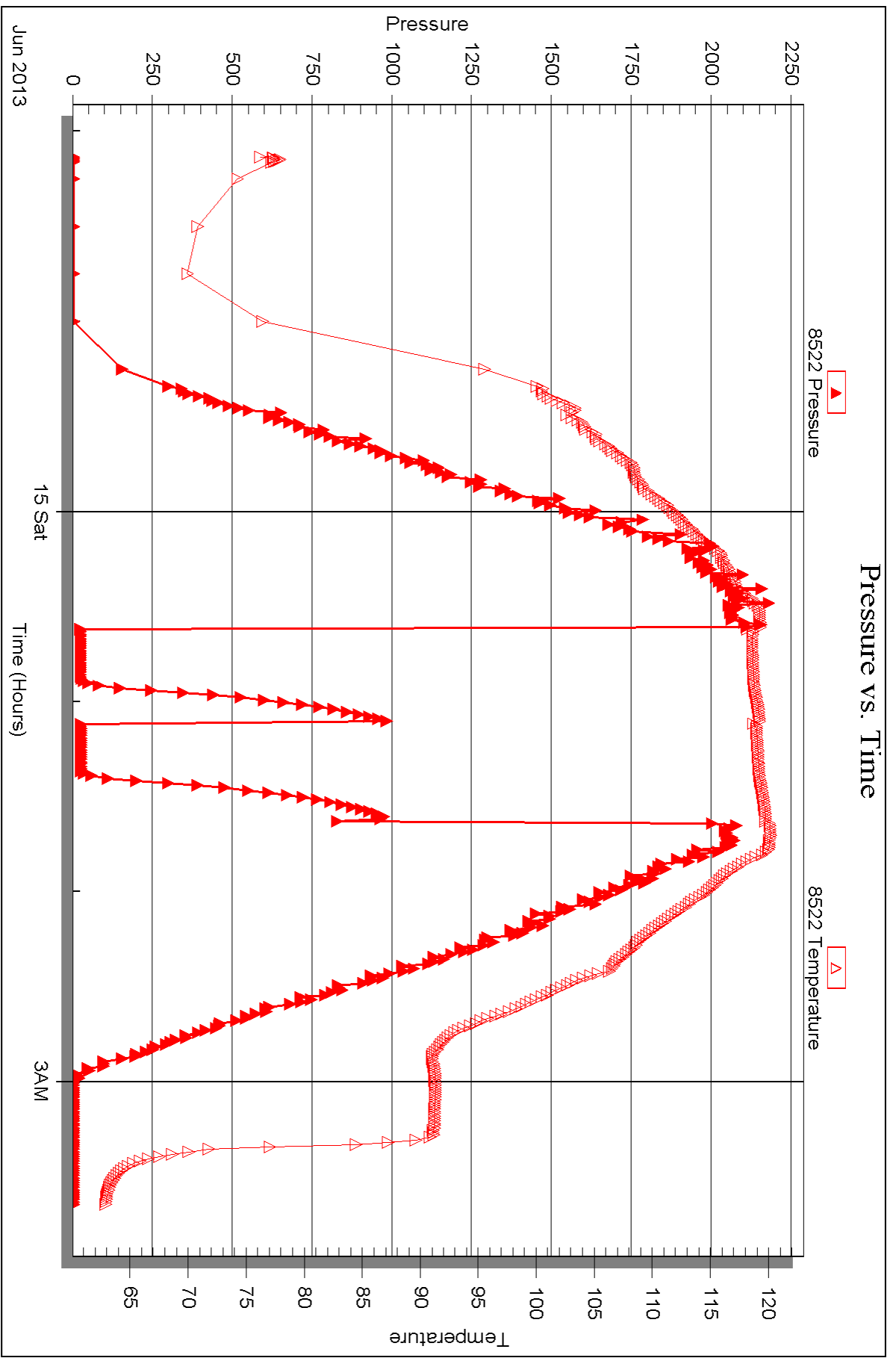
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S Belmont #12
Wichita, KS 67208

ATTN: Corey Baker

Moeder Trust A 1-22

22 11s 34w Logan,KS

Start Date: 2013.06.16 @ 18:03:00

End Date: 2013.06.17 @ 02:35:15

Job Ticket #: 53306 DST #: 2

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

Printed: 2013.06.19 @ 08:09:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

22 11s 34w Logan, KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

ATTN: Corey Baker

Job Ticket: 53306

DST#: 2

Test Start: 2013.06.16 @ 18:03:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:24:45

Time Test Ended: 02:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 53

Interval: 4532.00 ft (KB) To 4670.00 ft (KB) (TVD)

Reference Elevations: 3173.00 ft (KB)

Total Depth: 4670.00 ft (KB) (TVD)

3162.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8677

Inside

Press @ Run Depth: 254.13 psig @ 4546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.16

End Date:

2013.06.17

Last Calib.:

2013.06.17

Start Time:

18:03:05

End Time:

02:35:15

Time On Btm:

2013.06.16 @ 21:24:15

Time Off Btm:

2013.06.17 @ 00:10:30

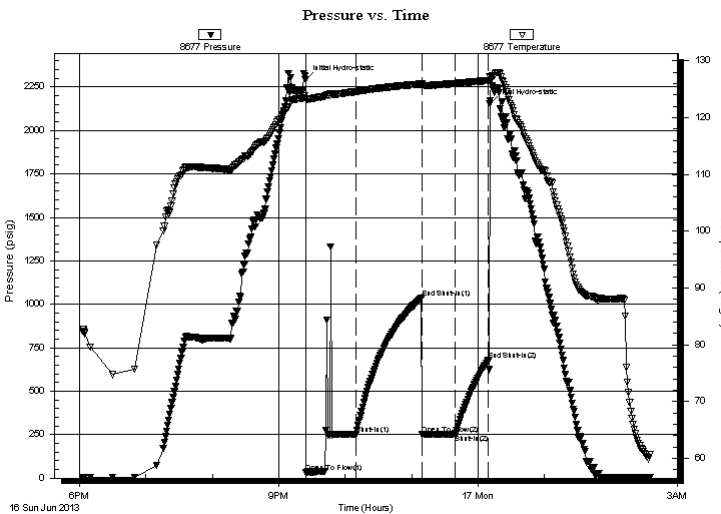
TEST COMMENT: IF: 1 inch in 15 min- Bob in 17 min geo thought packer failure-reset packer and continued test

IS: No return

FF: No blow

FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2294.00	123.89	Initial Hydro-static
1	34.23	123.34	Open To Flow (1)
46	251.93	124.57	Shut-In(1)
105	1036.09	125.94	End Shut-In(1)
106	251.97	125.72	Open To Flow (2)
135	254.13	125.99	Shut-In(2)
165	676.47	126.54	End Shut-In(2)
167	2152.61	127.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
551.00	100% Mud	5.31

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

22 11s 34w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

Job Ticket: 53306

DST#: 2

ATTN: Corey Baker

Test Start: 2013.06.16 @ 18:03:00

Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 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: 25000.00 lb
Drill Collar:	Length: 266.00 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4532.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	138.00 ft			
Tool Length:	165.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Double pin	1.00			4506.00	
Shut In Tool	5.00			4511.00	
Hydraulic tool	5.00			4516.00	
Jars	5.00			4521.00	
Safety Joint	2.00			4523.00	
Packer	5.00			4528.00	27.00 Bottom Of Top Packer
Packer	4.00			4532.00	
Stubb	1.00			4533.00	
Perforations	12.00			4545.00	
change Over Sub	1.00			4546.00	
Recorder	0.00	8677	Inside	4546.00	
Recorder	0.00	8522	Outside	4546.00	
Drill Pipe	120.00			4666.00	
change Over Sub	1.00			4667.00	
Bullnose	3.00			4670.00	138.00 Bottom Packers & Anchor

Total Tool Length: 165.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

22 11s 34w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Moeder Trust A 1-22

Job Ticket: 53306

DST#: 2

ATTN: Corey Baker

Test Start: 2013.06.16 @ 18:03:00

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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
551.00	100% Mud	5.306

Total Length: 551.00 ft Total Volume: 5.306 bbl

Num Fluid Samples: 0

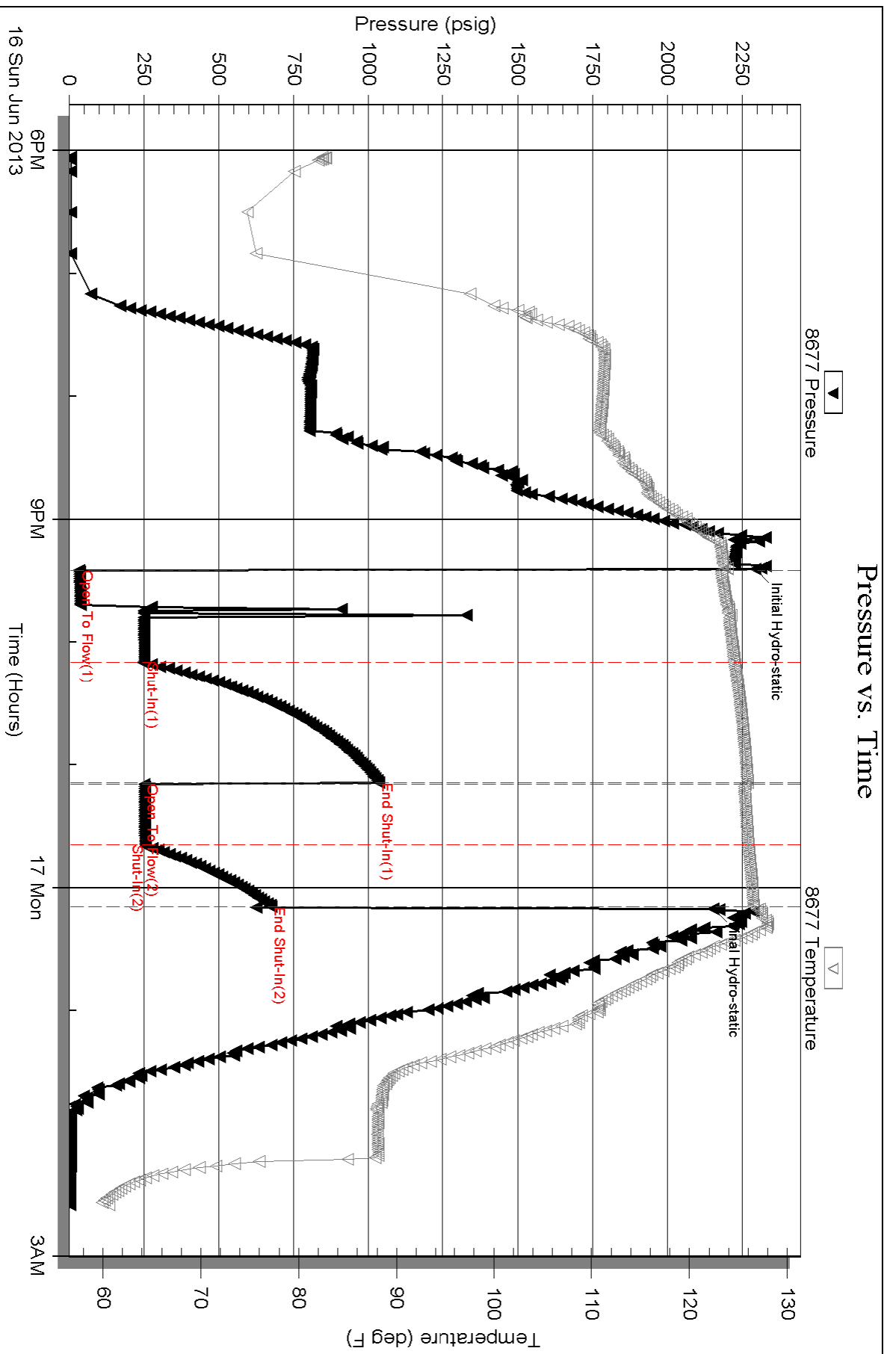
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

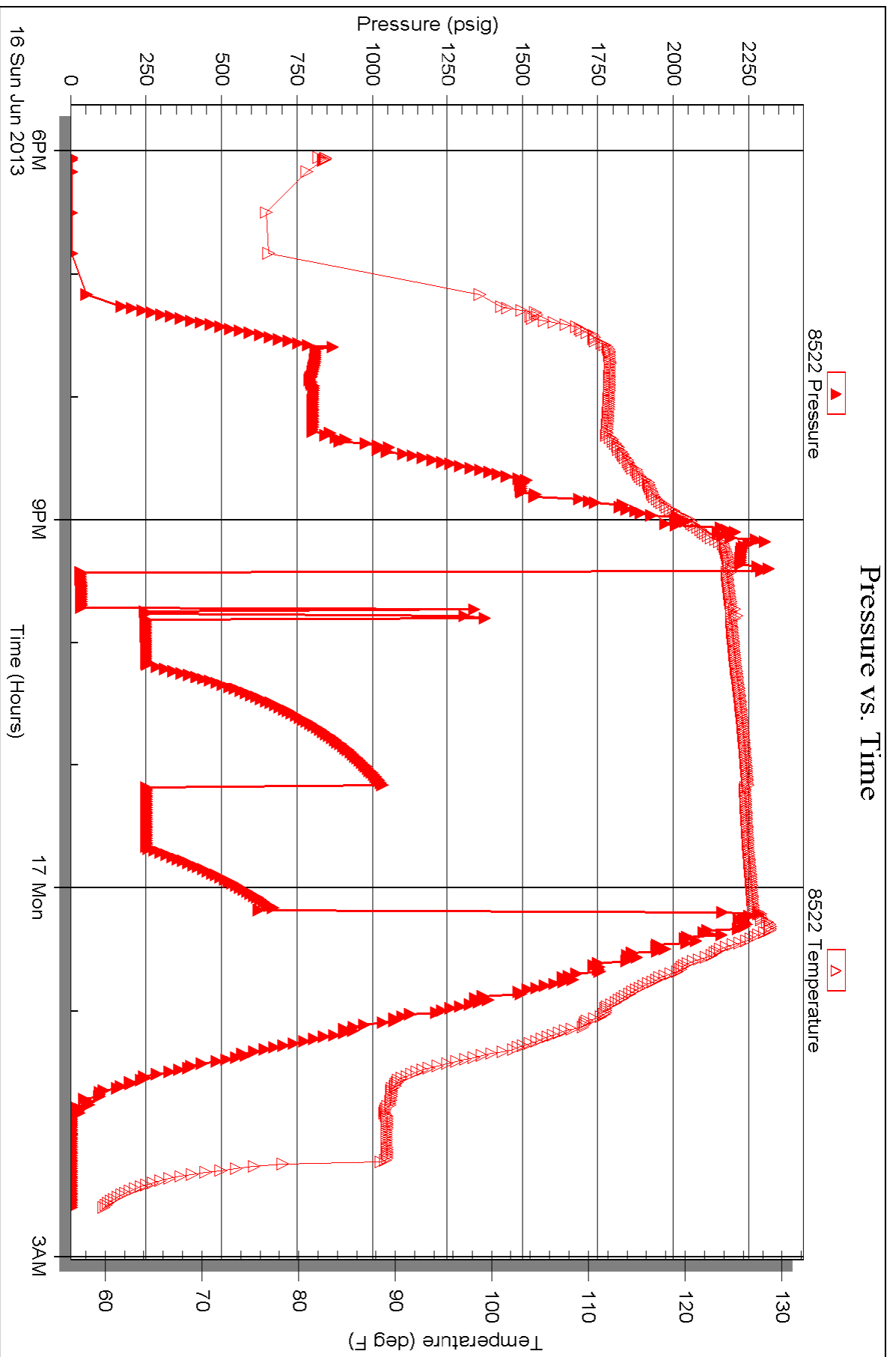


Serial #: 8522

Outside Cobalt Energy, LLC

Moeder Trust A 1-22

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53305

4/10

Well Name & No. Maeder Trust "A" #1-22 Test No. 1 Date 6-14-13
 Company Cobalt Energy, LLC Elevation 3173 KB 3162 GL
 Address 115 S Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Corey Baker Rig Murphy 21
 Location: Sec. 22 Twp. 11S Rge. 34W Co. Logan State KS

Interval Tested 4230-4265 Zone Tested Kansas City "H"
 Anchor Length 35' Drill Pipe Run 3959 Mud Wt. 9.0
 Top Packer Depth 4226 Drill Collars Run 266 Vis 48
 Bottom Packer Depth 4230 Wt. Pipe Run 6 WL 8.8
 Total Depth 4265 Chlorides 3000 ppm System LCM 2
 Blow Description IF: weak surface blow - dried in 3 1/2 min
DST: no Return
FF: no blow
FSI: no Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/ oil specs</u>			<u>100</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 5 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2126 Test 1250 T-On Location 21:05
 (B) First Initial Flow 25 Jars 250 T-Started 22:08
 (C) First Final Flow 27 Safety Joint 75 T-Open 00:38
 (D) Initial Shut-In 1000 Circ Sub N/C T-Pulled 1:38
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 3:39
 (F) Second Final Flow 28 Mileage 120 R/T 186 Comments _____
 (G) Final Shut-In 990 Sampler _____
 (H) Final Hydrostatic 2010 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 15

Sub Total 1761
 Total 1761
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature] CRT

Trilobite Testing Inc. shall not be liable for damaged or 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.



GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

COMPANY **COBALT ENERGY, LLC**
LEASE **Moeder Trust 'A' #1-22**
FIELD **Wildcat**

LOCATION **1017' FSL & 1706' FEL**
SEC. **22** TWP. **11S** RGE. **34W**
COUNTY **Logan** STATE **KS**
CONTRACTOR **Martin Drilling Co., Fig #21**

SPUD **06/10/13** COMP **06/17/13**
RTD **4/28/17** LTD **4/7/21**
MUD UP **3/5/17** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3900' to RTD**
DRILLING TIME KEPT FROM **3900' to RTD**
SAMPLES EXAMINED FROM **3900' to RTD**

GEOLOGICAL SUPERVISION FROM **3810' to RTD**
GEOLOGIST ON WELL **Corey N. Baker**

FORMATION TOPS
Anhydrite **2633 (+537)**
Base of Anhydrite **2657 (+512)**
Heebner **4048 (-919)**
Lansing **4088 (-919)**
Stark **4320 (-1151)**
Cherokee Shale **4563 (-1394)**
Mississippian **4708 (-1539)**
LTD **4782 (-1613)**

ELEVATIONS
KB **3169'**
DF _____
GL **3158'**
Measurements As All From **KB**

CASING
Conductor **MA**
Surface **8 5/8" @ 223'**
Production **None**
Electrical Surveys
Dual Induction, Neutron-Density

Microlog & Sonic
Pioneer Energy Services

Section
22

REMARKS
The Moeder Trust 'A' #1-22 ran structurally as predicted but lacked reservoir in all zones encountered. DST's were run over the only shows with negative results and after logs confirmed the lack of commercial zones the well was plugged and abandoned as a dry hole. The samples were extremely fine and beneath the BKC to total depth and carried an abundant amount of red, green and gray shales. Mud properties were good and driller had appropriate amount of weight on bit.

Respectfully Submitted,
Corey Baker
Vice President - Exploration
Cobalt Energy, LLC

API #15-109-21187-00-00

LEGEND

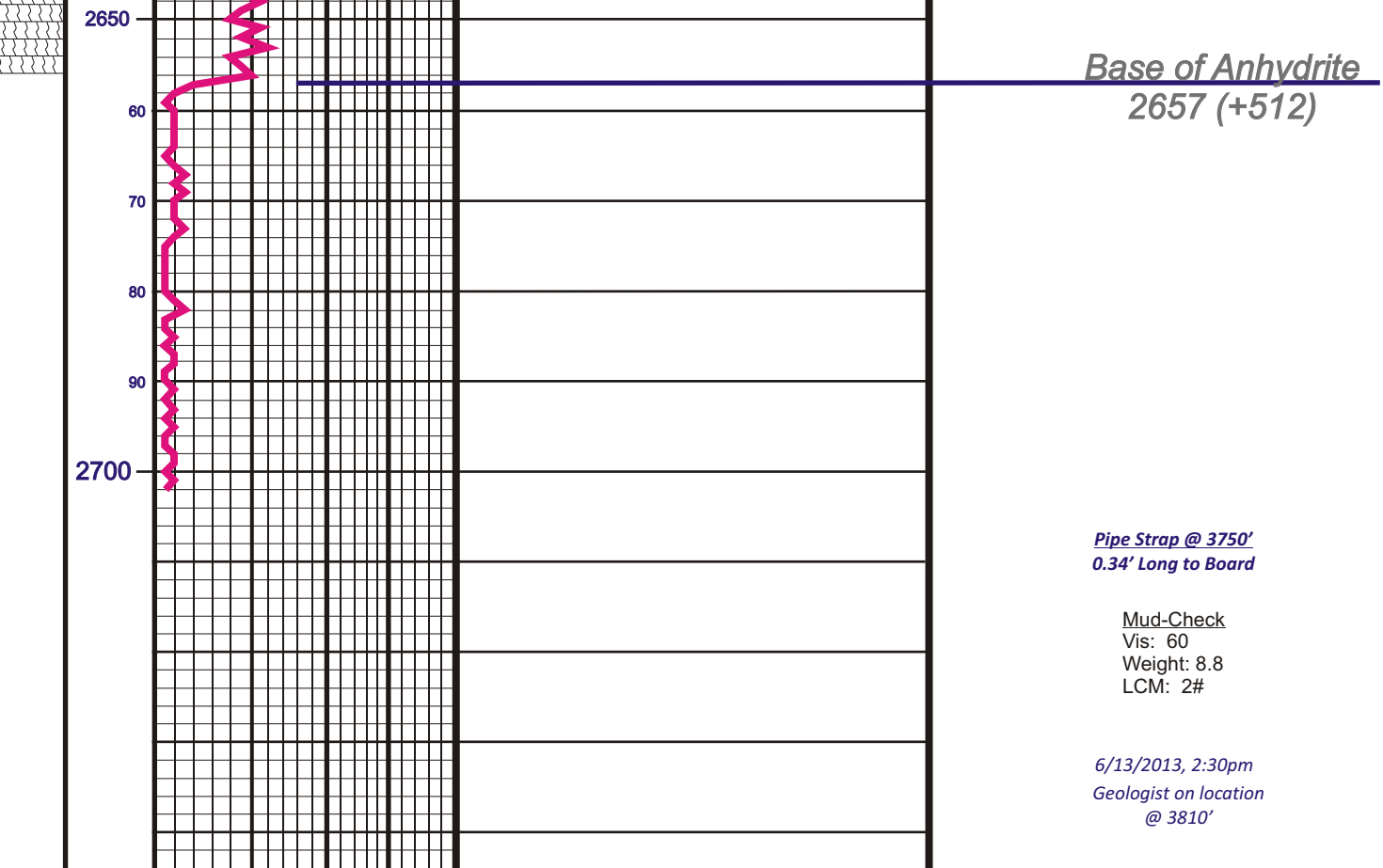


Table with columns: DEPTH, LITHOLOGY, DRILLING TIME IN MINUTES PER FOOT, OIL SHOWS, SAMPLE DESCRIPTION, REMARKS. Contains detailed log data from 2600 to 4800 feet depth.

Company **COBALT ENERGY, LLC** Elevation **3169' KB**
Lease **Moeder Trust 'A' #1-22**
Location **1017' FSL & 1706' FEL** SEC. **22** TWP. **11S** RGE. **34W**
County **Logan** State **Kansas**

ALLIED OIL & GAS SERVICES, LLC

060312

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

Federal Tax I.D. # 20-8651475

SERVICE POINT:

DATE <u>6-18-13</u>	SEC <u>22</u>	TWP <u>11</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>6-18-13</u>	JOB FINISH
MOEDER LEASE <u>Trust</u>	WELL # <u>A" 1-22</u>	LOCATION <u>Monument 2W-25-1W</u>	COUNTY <u>Logan</u>	STATE <u>Mo.</u>	JOB START <u>4:00 Am</u>	JOB FINISH <u>5:00 Am</u>	
OLD OR <u>NEW</u> (Circle one)			<u>Ninto</u>				

CONTRACTOR Martin # 21

TYPE OF JOB Surface

HOLE SIZE 7 7/8 T.D. 4780'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2650'

FOOL _____ DEPTH _____

RES. MAX _____ DEPTH _____

FEAS. LINE _____ MINIMUM _____

CEMENT LEFT IN CSG. _____ SHOE JOINT _____

ERFS. _____

DISPLACEMENT _____

OWNER Same

CEMENT AMOUNT ORDERED 220 sks 60/40 4% Gel

1/4 Flo Seal

COMMON	<u>132 sks @ \$17.90</u>	<u>\$2362.80</u>
POZMIX	<u>88 sks @ \$9.35</u>	<u>\$822.80</u>
GEL	<u>8 sks @ \$23.40</u>	<u>\$187.20</u>
CHLORIDE		
ASC		
<u>Flo Seal</u>	<u>55 @ \$2.97</u>	<u>\$163.35</u>
HANDLING	<u>236.39 x</u>	<u>\$2.40 = \$586.92</u>
MILEAGE	<u>2.87 x 14 x</u>	<u>\$2.50 = \$359.22</u>
TOTAL		<u>\$4284.92</u>

EQUIPMENT

UMP TRUCK CEMENTER Dean Racette

423-281 HELPER Paul Beaver

ULK TRUCK

347 DRIVER Brandon Wilkinson

ULK TRUCK

DRIVER

REMARKS:

2 1/2 x 25 sks Cement 2650'

2 1/2 x 100 sks Cement 1560'

2 1/2 x 40 sks Cement 260'

2 1/2 x 10 sks Cement 40'

7/8" mousehole 15 sks Cement

log Rathole 300 sks Cement

Thank You

ORDER TO: Colbalt Energy LLC

REMIT

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2650'</u>	
PUMP TRUCK CHARGE		<u>\$2483.59</u>
EXTRA FOOTAGE		
MILEAGE	<u>14 @ \$7.70</u>	<u>\$107.80</u>
MANIFOLD		
<u>2V mileage</u>	<u>@ \$24.90</u>	<u>\$61.62</u>
TOTAL		<u>\$2652.92</u>

PLUG & FLOAT EQUIPMENT

<u>1 Top Wooden Plug</u>	<u>@ \$107.64</u>	
TOTAL		<u>\$107.64</u>

Allied Oil & Gas Services, LLC. are hereby requested to rent cementing equipment furnish cementer and helper(s) to assist owner or tractor 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.

ORDERED NAME Juan Tinoco

SIGNATURE Juan Tinoco

SALES TAX (If Any) _____

TOTAL CHARGES 7,054.70

DISCOUNT 1,552.03 IF PAID IN 30 DAYS

5,502.66 Net.