



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1108361
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: _____



1108361

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Chaco Energy Company
Well Name	Scheetz 3-21
Doc ID	1108361

All Electric Logs Run

Neutron Density
Sonic
Microresistivity
Induction

WELL PROGNOSIS

Badger Prospect

Tite Hole keep all info. Confidential

Operator: Chaco Energy Co.

Well Name: Scheetz #3-31 3-21

Location: 850' FSL, 1245' FWL Appox. NE SW SW

Section 21-T13s-R32W

Logan County, Kansas.

Operator: Chaco Energy Co. Phone; 303-744-1480

Geologist: Chris Gough- CPG Exploration, LLC.... Phone 303-893-9020

FORMATION LOG TOPS

Elevations: G.R. 3047.3 (9' Diff.) K.B. 3056'

Estimated Formation Tops : Chaco En.

	<u>Sample</u>	<u>Log</u>
Anhydrite	2529' 527	2524' 532
Heebner Sh.	4014' -958	3998' -942
Lansing	4058' -1002	4032' -976
Stark Sh.	4287' -1231	4281' -1225
Marmaton	4391' -1335	4385' -1329
Ft. Scott	4541' -1485	4534' -1478
Cher. Sh.	4570' -1514	4560' -1504
Johnson	4611' -1555	4604' -1548
Sand	4657' -1601	4647' -1591
Miss.	4667' -1611	4678' -1622
Est. T.D.	4770'	4768'

FEB 27 2013

Scheetz #3-21

Perforations and Treatments by Interval

Zone	Top	- Bottom	Ft	No Ho les	SPF	Nom. Gun Size (in)	(in)	Acid Con c (%)	Acid Vol (gal)
Lansing B	4078	- 4086	8	24	3.0	3 1/8"	0.35	15	1000
Lansing D	4132	- 4134	2	8	4.0	3 1/8"	0.35	15	250
Lansing H	4212	- 4216	4	16	4.0	3 1/8"	0.35	15	500
Lansing I	4248	- 4252	4	16	4.0	3 1/8"	0.35	15	500
U Pawnee	4483	- 4487	4	16	4.0	3 1/8"	0.35	15	500
Johnson	4605	- 4620	15	45	3.0	3 1/8"	0.35	15	2250
Morrow	4629	- 4631	2	8	4.0	3 1/8"	0.35	7.5	250

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

FEB 04 2013

INVOICE

Invoice Number: 134467
Invoice Date: Jan 17, 2013
Page: 1

Bill To:

Chaco Energy Company
P O Box 1587
Denver, CO 80201

Now Includes:



Customer ID	Well Name# or Customer P.O.	Payment Terms	
Chaco	Scheetz #3-21	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jan 17, 2013	2/16/13

Quantity	Item	Description	Unit Price	Amount
156.00	MAT	Class A Common	17.90	2,792.40
104.00	MAT	Pozmix	9.35	972.40
9.00	MAT	Gel	23.40	210.60
65.00	MAT	Flo Seal	2.97	193.05
1.00	SER	Abandon Well Plug	1,250.00	1,250.00
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Paul Beaver		
1.00	OPER ASSIST	Kevin Ryan		

Alan Erickson
FEB - 8 2013

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ **975.32**

ONLY IF PAID ON OR BEFORE
Feb 11, 2013

Subtotal	5,418.45
Sales Tax	422.64
Total Invoice Amount	5,841.09
Payment/Credit Applied	
TOTAL	5,841.09

PAY: \$4789.69

BASED ON NET SALES TAX
PER GARY GILLETTE / ALLIED
FEB - 8 2013

SCANNED

ALLIED OIL & GAS SERVICES, LLC

REMIT TO P.O. BOX 610999
SOUTHPLAKE, TEXAS 76092

058866

Federal Tax ID # 20-0976004

SERVICE POINT: *DeWitt, TX*

DATE: <i>1-20-13</i>	SEC: <i>21</i>	TRIP: <i>13</i>	PAID: <i>2</i>	CALLS OUT	DISPOSITION	JOB START	JOB FINISH
LEASE SELECT: <i>WELL # 3-21</i>	WELL #	LOC: <i>DeWitt</i>	LOC: <i>155 1/2 W</i>	COUNTY	STATE		
OLD OR NEW (Circle one)							

CONTRACTOR: *4037 Farm Well Services* OWNER: *Same*

TYPE OF JOB: <i>4037 Farm Well Services</i>	OWNER: <i>Same</i>
HOLE SIZE	DIR
CASING SIZE	DEPTH
TUBING SIZE: <i>2 7/8</i>	DEPTH: <i>2220'</i>
DRILL PIPE	DEPTH
TOOL	DEPTH
REGS. MAX	MINIMUM
REGS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS: <i>2520'</i>	TO: <i>1730'</i>
DISPLACEMENT	

EQUIPMENT	AMOUNT	ORDER NO.
PUMP TRUCK		
CEMENTER		
HELPER		
BULK TRUCK		
DRIVER		
BULK TRUCK		
DRIVER		

REMARKS: *Max 75 5/8 cement at 2220'*
Full up to 1730' with cement
Surface pipe 1/2" or 1/4" by 40'
up to 17 1/2" type of cement at 1730'
Surface through 8 3/4" casing
Thank you.

THARGE TO: *Chaco* CITY: _____ STATE: _____ ZIP: _____

DEPTH OF JOB	2220'
PUMP TRUCK CHARGE	2220.00
EXTRA FOOTAGE	
MILBAGE	
MANIFOLD	
TOTAL	2220.00

SALES TAX (If Any)	423.63
TOTAL CHARGES	2643.63
DISCOUNT	775.32
NET AMOUNT DUE	1868.31

TERMS AND CONDITIONS: listed on the reverse side.

RENTED NAME: _____

SIGNATURE: *Con Neanderly*

DATE: *1-20-13*

PHONE: *4789 69*

ALLIED

OIL & GAS SERVICES, LLC

FEB 04 2013

INVOICE

999
South, TX 76092

Invoice Number: 134465
Invoice Date: Jan 16, 2013
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Now Includes:



Bill To:
Chaco Energy Company P O Box 1587 Denver, CO 80201

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Chaco	Scheetz #3-21	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jan 16, 2013	2/15/13

Quantity	Item	Description	Unit Price	Amount
60.00	MAT	Class A Common	17.90	1,074.00
40.00	MAT	Pozmix	9.35	374.00
3.00	MAT	Gel	23.40	70.20
4.00	MAT	Cottonseed Hulls	35.00	140.00
411.73	SER	Cubic Feet	2.48	1,021.10
411.30	SER	Ton Mileage	2.60	1,069.38
1.00	SER	Plug to Abandon	1,250.00	1,250.00
25.00	SER	Pump Truck Mileage	7.70	192.50
25.00	SER	Light Vehicle Mileage	4.40	110.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	D J Gray		

Alan Strubben
FEB - 8 2013

7.8%

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 954.21

ONLY IF PAID ON OR BEFORE
Feb 10, 2013

SCANNED

Subtotal	5,301.18
Sales Tax	413.49
Total Invoice Amount	5,714.67
Payment/Credit Applied	
TOTAL	5,714.67

\$ 4686.03

BASED ON NET SALES
TAX

Alan Strubben

ALLIED

OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 133898
Invoice Date: Dec 6, 2012
Page: 1



Bill To:
Chaco Energy Company P O Box 1587 Denver, CO 80201

Customer ID	Well Name/ # or Customer P.O	Payment Terms	
Chaco	Sheetz #3-21	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 6, 2012	1/5/13

Quantity	Item	Description	Unit Price	Amount
140.00	MAT	Class A Common	17.90	2,506.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
151.39	SER	Cubic Feet	2.48	375.45
117.47	SER	Ton Mileage	2.60	305.42
1.00	SER	Surface	1,512.25	1,512.25
25.00	SER	Pump Truck Mileage	7.70	192.50
1.00	SER	Manifold Swedge Rental	275.00	275.00
25.00	SER	Light Vehicle Mileage	4.40	110.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	D J Gray		

CMT SURF CSG

Alan Schubert
JAN - 7 2013

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

5,892.72

ONLY IF PAID ON OR BEFORE

Dec 31, 2012

Subtotal	5,666.82
Sales Tax	225.90
Total Invoice Amount	5,892.72
Payment/Credit Applied	
TOTAL	5,892.72

SCANNED

ALLIED

OIL & GAS SERVICES, LLC

JAN 07 2013

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 134112

Invoice Date: Dec 17, 2012

Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361



Bill To:
Chaco Energy Company P O Box 1587 Denver, CO 80201

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Chaco	Scheetz #3-21	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Dec 17, 2012	1/16/13

Quantity	Item	Description	Unit Price	Amount
260.00	MAT	Class A Common	17.90	4,654.00
25.00	MAT	Salt	26.35	658.75
12.00	MAT	WFR-2	58.70	704.40
2.00	MAT	Cla Pro	34.40	68.80
285.70	SER	Cubic Feet	2.48	708.68
327.25	SER	Ton Mileage	2.60	850.85
1.00	SER	Port Collar	2,765.75	2,765.75
25.00	SER	Pump Truck Mileage	7.70	192.50
1.00	SER	Manifold & Head Rental	275.00	275.00
25.00	SER	Light Vehicle Mileage	4.40	110.00
1.00	EQP	4.5 Port Collar	2,907.45	2,907.45
2.00	EQP	4.5 Basket	315.90	631.80
1.00	EQP	4.5 Latch Down Assembly	272.61	272.61
8.00	EQP	4.5 Centralizer	56.16	449.28
1.00	EQP	4.5 AFU Float Shoe	496.08	496.08
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Kevin Ryan		

Alan Peterson

JAN - 8 2013

Subtotal	15,745.95
Sales Tax	845.77
Total Invoice Amount	16,591.72
Payment/Credit Applied	
TOTAL	16,591.72

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$3,621.56

ONLY IF PAID ON OR BEFORE
Jan 11, 2013

12970.16

SCANNED

(FYI)

ALLIED OIL & GAS SERVICES, LLC 058822

Federal Tax I.D.# 20-5875804

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

SERVICE POINT:

Dakley

ATE <i>12/12/12</i>	SEC <i>21</i>	TWP <i>13</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00pm</i>	JOB FINISH <i>1:00pm</i>
EASE <i>SCHW2</i>	WELL# <i>3-21</i>	LOCATION <i>Dakley 15 S 1 1/4 W 10 R 10</i>		COUNTY <i>Copen</i>	STATE <i>KY</i>		
LD OR <u>NEW</u> (Circle one)							

CONTRACTOR <i>H2 Rig 3</i>	OWNER <i>Same</i>
TYPE OF JOB <i>Production - Port Collar</i>	
OLE SIZE <i>7 1/8</i>	T.D. <i>4270</i>
ASING SIZE <i>4 1/4</i>	DEPTH
UBING SIZE	DEPTH
RILL PIPE	DEPTH
COL <i>Port Collar</i>	DEPTH <i>2500</i>
RES. MAX	MINIMUM
IEAS. LINE	SHOE JOINT <i>45.0</i>
EMENT LEFT IN CSG.	
ERFS.	
ISPLACEMENT <i>H2O</i>	

EQUIPMENT		CEMENT	
UMP TRUCK	CEMENTER <i>Alan</i>	AMOUNT ORDERED <i>260 Com 1090 SALT</i>	
<i>272</i>	HELPER <i>Wayne</i>	<i>200 gal</i>	
UCK TRUCK	DRIVER <i>Kevin</i>	<i>500 gal WFR II</i>	
<i>386</i>		COMMON <i>260</i>	@ <i>17.20</i> = <i>4462.00</i>
ULK TRUCK	DRIVER	POZMIX	@
		GBL	@
		CHLORIDE	@
		ASC	@
		SALT <i>25 SK</i>	@ <i>26.75</i> = <i>658.25</i>
		WFR II <i>12.68L</i>	@ <i>38.00</i> = <i>704.40</i>
		Clay <i>2 gal</i>	@ <i>24.40</i> = <i>48.80</i>
		HANDLING <i>285 257 CF</i>	@ <i>2.40</i> = <i>208.80</i>
		MILEAGE <i>28.25 round mile</i>	@ <i>12.09700</i> = <i>850.25</i>
		TOTAL	<i>7645.148</i>

REMARKS:
*1. On Copen, max WFR II, Tail 10000 HCL
 2. 20 SK, RM, Max 200 down 9 1/4
 3. Washup Displace w/ 10000 HCL, 100
 4. H2O Fluid Hold and Plug @ 1500
 5. 500 SKT. C.F.T.*

*Think K
 Alan Wayne, Kevin*

CHARGE TO <i>Chaco Energy</i>	
TREET	
ITY	STATE
	ZIP
	TOTAL <i>3343.25</i>

'o: Allied Oil & Gas Services, LLC.
 'ou are hereby requested to rent cementing equipment
 nd furnish cementer and helper(s) to assist owner or
 ontractor to do work as is listed. The above work was
 one to satisfaction and supervision of owner agent or
 ontractor. I have read and understand the "GENERAL
 'BRMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	
<i>JK - Port Collar</i>	<i>-1 @ 290.75 = 290.75</i>
<i>Basket</i>	<i>-2 @ 315.00 = 630.00</i>
<i>Latch Down Assembly</i>	<i>-1 @ 222.00 = 222.00</i>
<i>Centralizer</i>	<i>-2 @ 50.00 = 100.00</i>
<i>RFU Float shoe</i>	<i>-1 @ 496.00 = 496.00</i>
TOTAL	<i>4757.25</i>

PRINTED NAME _____
 SIGNATURE *Alan Weathersby*

SALES TAX (if Any) *845.76*
 TOTAL CHARGES *15753.75* *15745.95*
 DISCOUNT *3621.56* IF PAID IN 30 DAYS
12124.39
230



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042345

DST#: 1

ATTN: Austin Garner

Test Start: 2012.12.12 @ 04:20:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:15

Time Test Ended: 10:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

Interval: 4203.00 ft (KB) To 4277.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4277.00 ft (KB) (TVD)

3047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 39.92 psig @ 4204.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.12 End Date: 2012.12.12

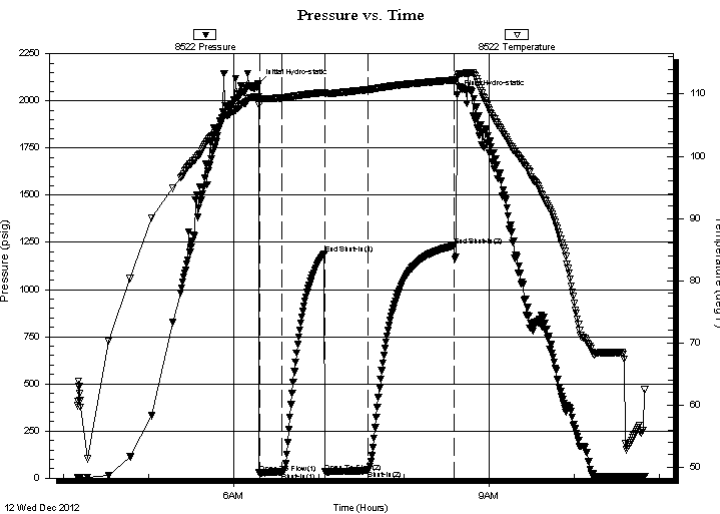
Last Calib.: 2012.12.12

Start Time: 04:10:05 End Time: 10:49:29

Time On Btm: 2012.12.12 @ 06:17:45

Time Off Btm: 2012.12.12 @ 08:37:30

TEST COMMENT: IF: Surface blow, died @ 12 min.
IS: No return.
FF: Surge noted then died.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.34	109.58	Initial Hydro-static
1	25.99	109.08	Open To Flow (1)
17	33.40	109.39	Shut-In(1)
47	1189.47	110.26	End Shut-In(1)
47	32.86	110.03	Open To Flow (2)
77	39.92	110.69	Shut-In(2)
138	1231.79	112.25	End Shut-In(2)
140	2031.47	112.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042345

DST#: 1

ATTN: Austin Garner

Test Start: 2012.12.12 @ 04:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

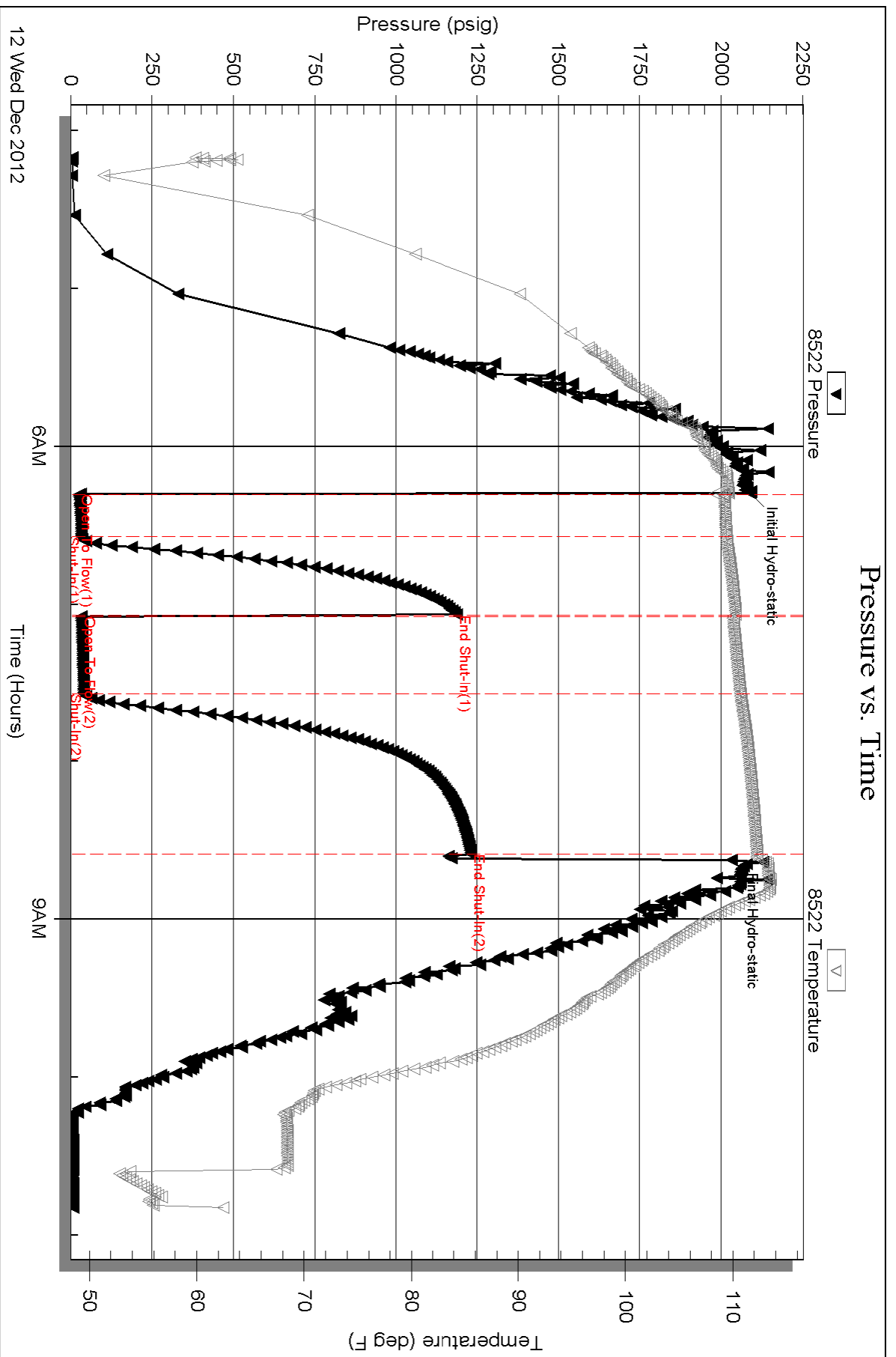
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042346

DST#: 2

ATTN: Austin Garner

Test Start: 2012.12.13 @ 17:37:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:45

Time Test Ended: 02:30:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: **4483.00 ft (KB) To 4531.00 ft (KB) (TVD)**

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4531.00 ft (KB) (TVD)

3047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 26.62 psig @ 4484.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.13

End Date:

2012.12.14

Last Calib.: 2012.12.14

Start Time: 17:37:05

End Time:

02:30:30

Time On Btm: 2012.12.13 @ 21:41:30

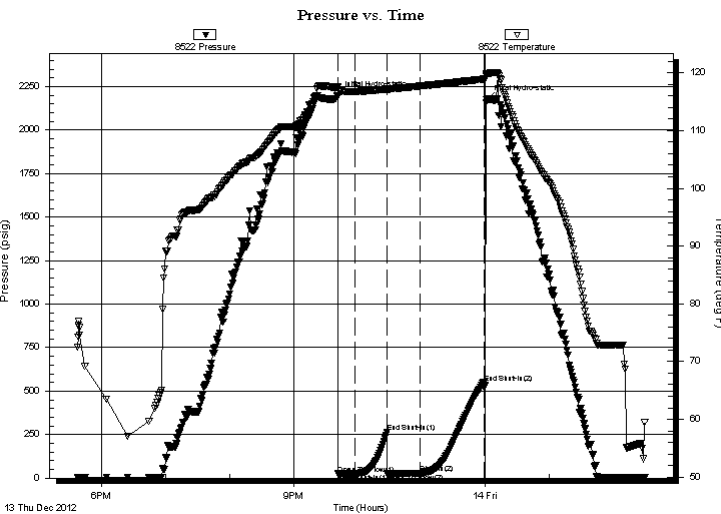
Time Off Btm: 2012.12.14 @ 00:01:15

TEST COMMENT: IF- Surface blow, died @ 8 min.

IS- No return.

FF- No blow.

FS- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.63	117.56	Initial Hydro-static
1	23.73	116.39	Open To Flow (1)
16	25.65	116.77	Shut-In(1)
47	263.15	117.22	End Shut-In(1)
47	25.25	117.11	Open To Flow (2)
77	26.62	117.71	Shut-In(2)
137	547.97	118.91	End Shut-In(2)
140	2173.84	119.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100m	0.01

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC.**

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Scheetz 3-21

Job Ticket: 042346

DST#: 2

ATTN: Austin Garner

Test Start: 2012.12.13 @ 17:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 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
3.00	mud 100m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

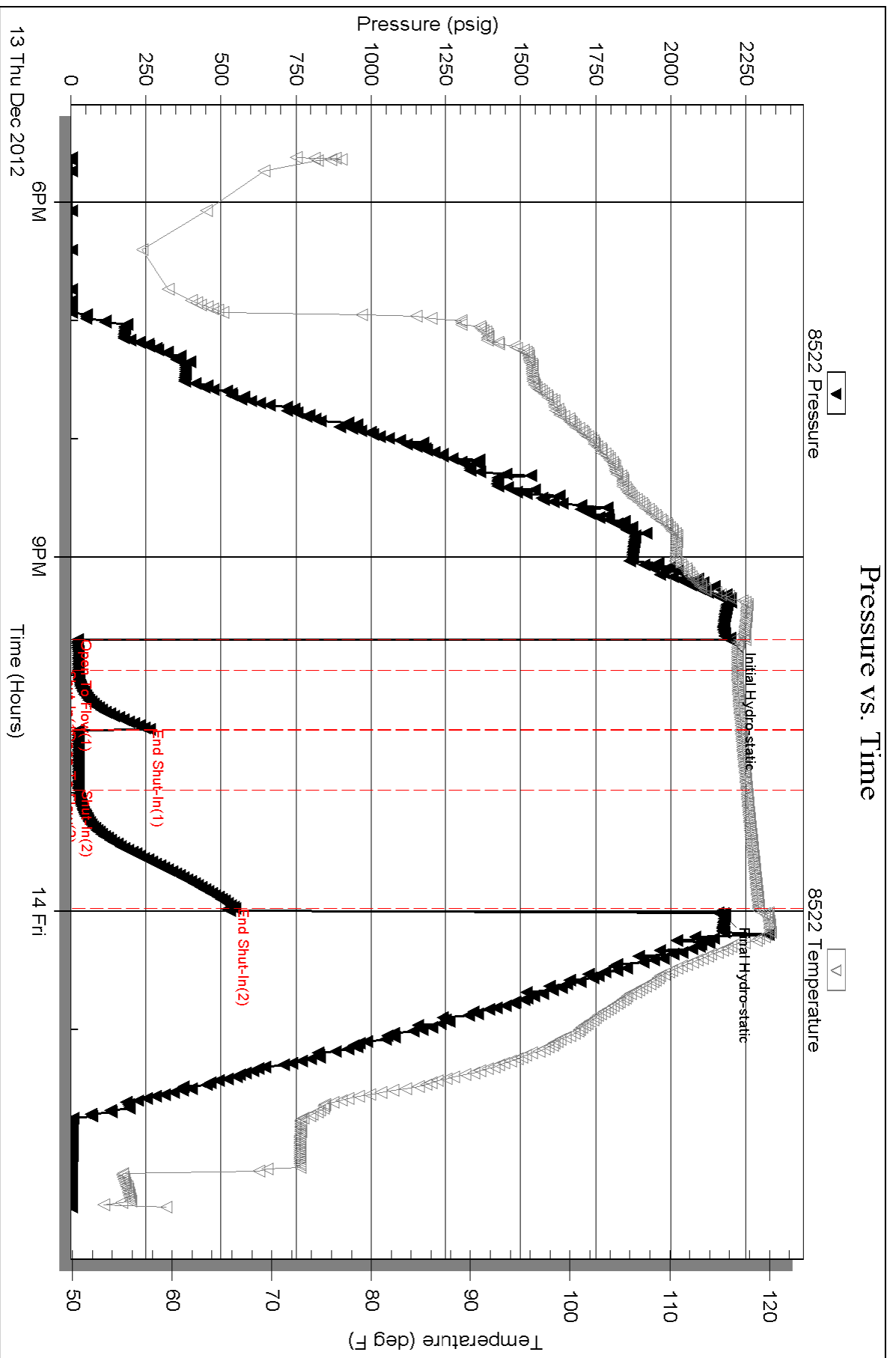
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042347

DST#: 3

ATTN: Austin Garner

Test Start: 2012.12.14 @ 20:01:30

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:33:30

Time Test Ended: 04:51:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: 4573.00 ft (KB) To 4627.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4627.00 ft (KB) (TVD)

3047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 38.41 psig @ 4574.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.14

End Date:

2012.12.15

Last Calib.:

2012.12.15

Start Time: 20:01:35

End Time:

04:51:15

Time On Btm:

2012.12.14 @ 22:33:15

Time Off Btm:

2012.12.15 @ 02:02:45

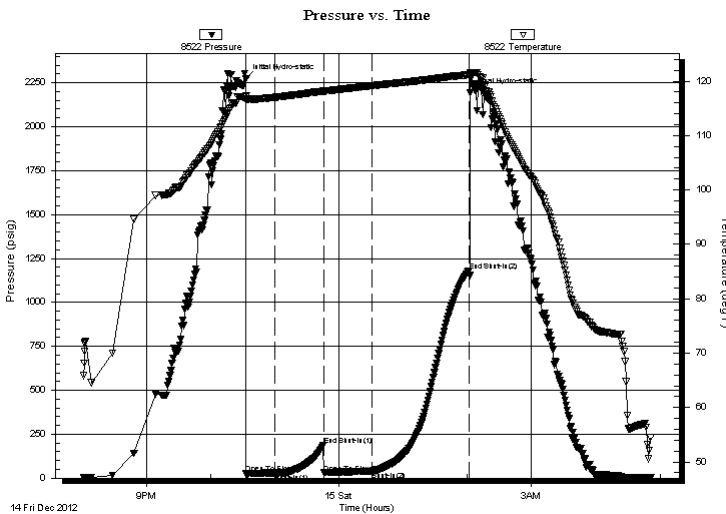
TEST COMMENT: IF: Surface blow, died @ 15 min.

IS: No return.

FF: 1" blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.72	117.25	Initial Hydro-static
1	25.20	116.54	Open To Flow (1)
27	29.64	117.03	Shut-In(1)
73	185.99	118.17	End Shut-In(1)
73	29.44	118.14	Open To Flow (2)
118	38.41	119.14	Shut-In(2)
208	1180.04	121.18	End Shut-In(2)
210	2191.52	121.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gocm 5g 35o 60m	0.15
0.00	150' gassy oder.	0.00

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042347

DST#: 3

ATTN: Austin Garner

Test Start: 2012.12.14 @ 20:01:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	gocm 5g 35o 60m	0.148
0.00	150' gassy oder.	0.000

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

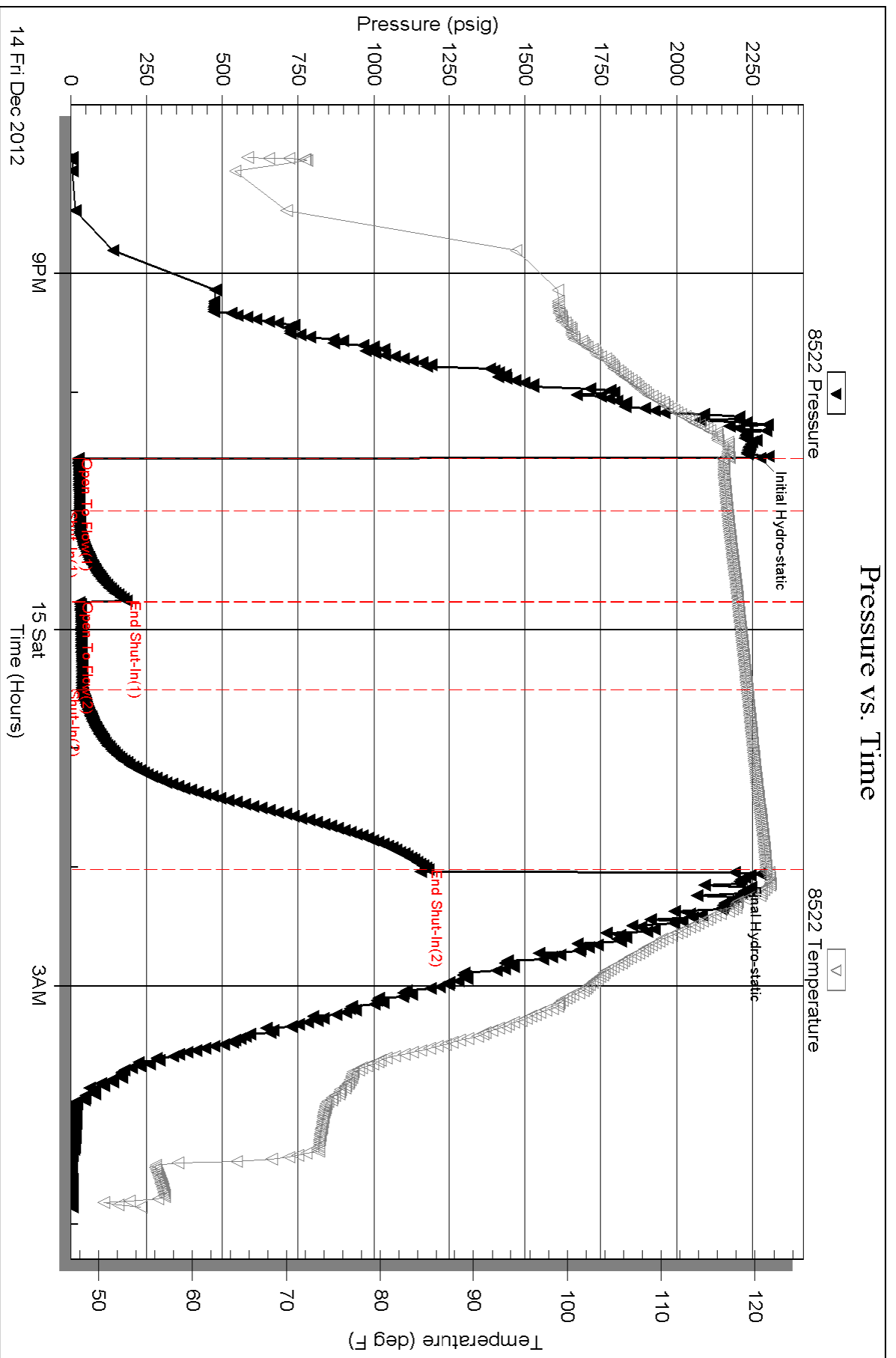
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042348

DST#: 4

ATTN: Austin Garner

Test Start: 2012.12.15 @ 14:30:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:33:15

Time Test Ended: 23:37:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: **4630.00 ft (KB) To 4643.00 ft (KB) (TVD)**

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4643.00 ft (KB) (TVD)

3047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 73.00 psig @ 4631.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.15

End Date:

2012.12.15

Last Calib.:

2012.12.15

Start Time: 14:30:05

End Time:

23:37:15

Time On Btm:

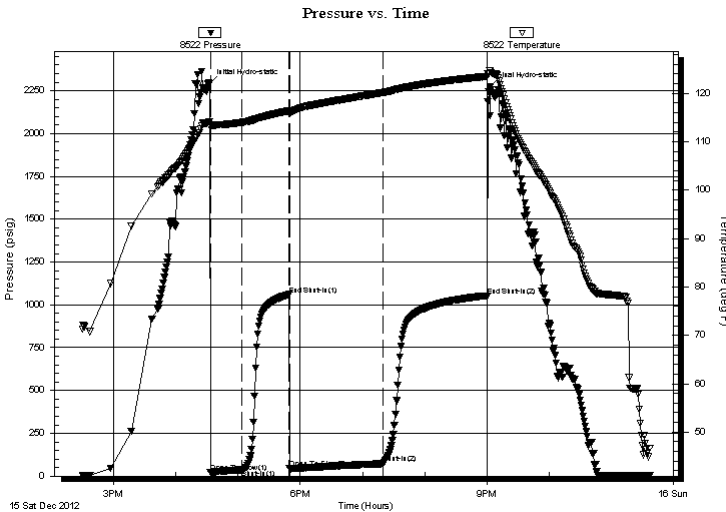
2012.12.15 @ 16:33:00

Time Off Btm:

2012.12.15 @ 21:03:00

TEST COMMENT: IF: 1 1/2" blow.
IS: No return.
FF: 1 1/2" blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.47	114.17	Initial Hydro-static
1	22.59	113.02	Open To Flow (1)
31	37.85	113.99	Shut-In(1)
76	1060.36	116.41	End Shut-In(1)
77	47.28	116.02	Open To Flow (2)
167	73.00	120.14	Shut-In(2)
268	1050.32	123.49	End Shut-In(2)
270	2271.95	124.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mcw 30m 70w	0.34
10.00	oil 100o	0.05
0.00	40' gassy odor	0.00

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587
Denver, Co 80201

Scheetz 3-21

Job Ticket: 042348

DST#: 4

ATTN: Austin Garner

Test Start: 2012.12.15 @ 14:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

58000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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 bbbl
70.00	mcw 30m 70w	0.344
10.00	oil 100o	0.049
0.00	40' gassy odor	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

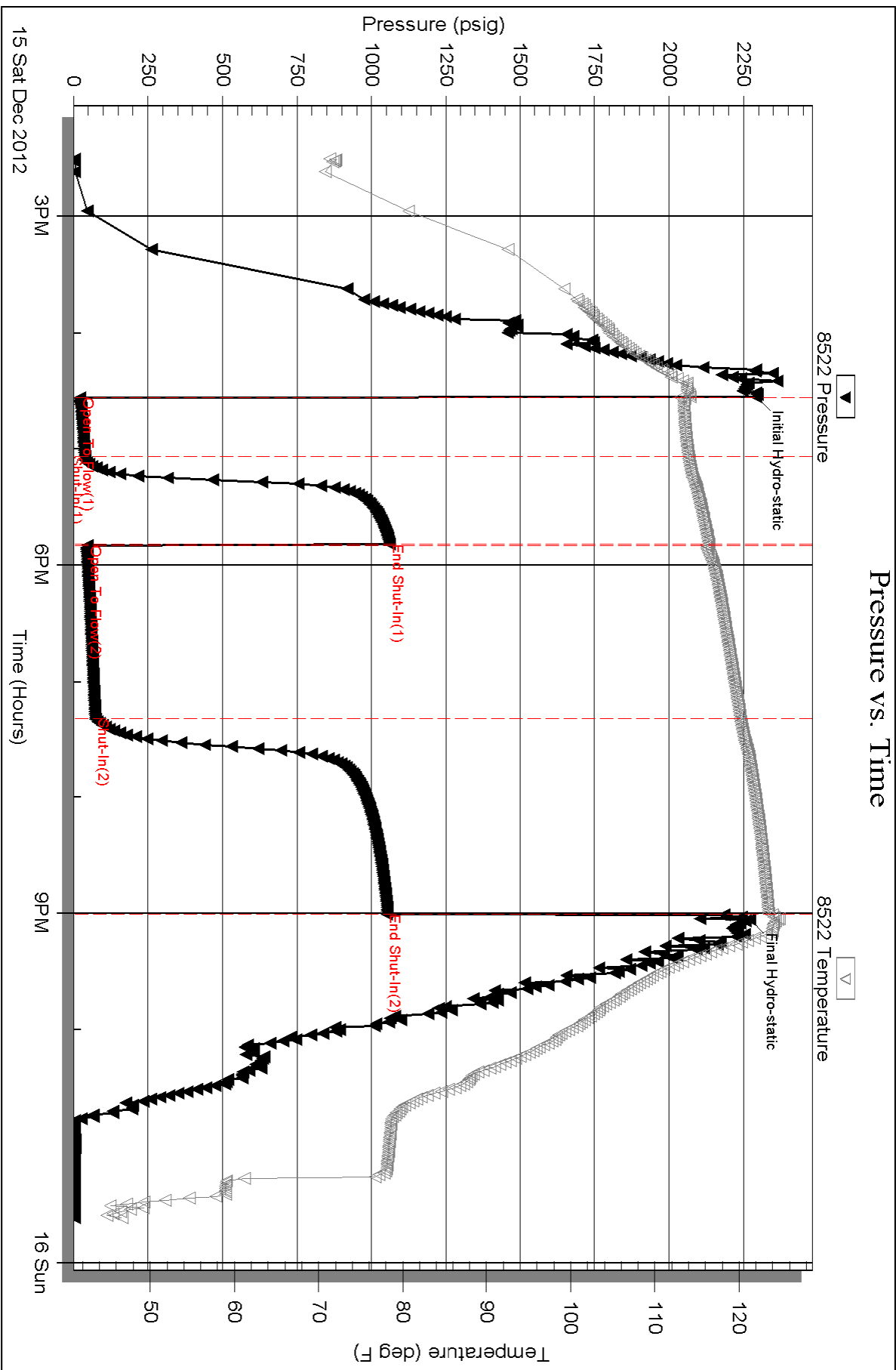
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .155 @ 50F = 58,000ppm



Historical Notes - Scheetz #3-21 Additional Cementing to P&A Well

Date	Activity
1/16/2013	RU Allied and pumped 100 sx 60/40 Pos with 4% gel and 300# hulls, displaced with 13 sx gel in fluid. Could not get gun down, displaced gel with 30 bbl water at 900#, shot csg at 2550, 1575 and 250 with 2 shots at each depth.
1/17/2013	Ran 2.375" tbg to 2560, pumped 75 sx cement, pulled tbg to 1590, pumped 100 sx cement to circ to surface. Tied onto 8.625" and circ 100 sx cement.

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

February 28, 2013

Alan Nelson
Chaco Energy Company
PO BOX 1587
DENVER, CO 80201-1587

Re: ACO1
API 15-109-21147-00-00
Scheetz 3-21
SW/4 Sec.21-13S-32W
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,
Alan Nelson