



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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: _____ _____
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Form	ACO1 - Well Completion
Operator	Chaco Energy Company
Well Name	Wilgers 2
Doc ID	1057805

All Electric Logs Run

Dual Induction
Microresistivity
Dual Compensated Porosity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Chaco Energy Company
Well Name	Wilgers 2
Doc ID	1057805

Tops

Name	Top	Datum
Anhydrite	2667	520
Heebner shale	4078	-891
Lansing	4120	-933
Stark Shale	4344	-1157
Base Kansas City	4401	-1214
Ft. Scott	4590	-1403
Marmaton	4426	-1239
Cherokee shale	4619	-1432
Johnson	4662	-1475
Basal Penn sand	4706	-1519
Mississippian	4727	-1540

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 21, 2011

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

Re: ACO1
API 15-193-20798-00-00
Wilgers 2
NW/4 Sec.33-10S-33W
Thomas 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



PO BOX 31 Russell, KS 67665

JUN 13 2011

INVOICE

Invoice Number: 127422

Invoice Date: Jun 4, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

Chaco Energy Company
 P O Box 1587
 Denver, CO 80201

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Chaco	Wilgers #2	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 4, 2011	7/4/11

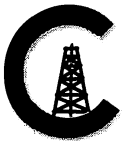
Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Class A Common	16.25	3,250.00
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
211.00	SER	Handlign	2.25	474.75
12.00	SER	Mileage 211 sx @.11 per sk per mi	23.21	278.52
1.00	SER	Surface	1,125.00	1,125.00
24.00	SER	Pump Truck Mileage	7.00	168.00
1.00	SER	Manifold Head Rental	200.00	200.00
24.00	SER	Light Vehicle Mileage	4.00	96.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Earl Rebarchek		
1.00	OPER ASSIST	Ethan Glassman		

Subtotal	6,084.67
Sales Tax	273.20
Total Invoice Amount	6,357.87
Payment/Credit Applied	
TOTAL	6,357.87

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

\$ 1216.93

ONLY IF PAID ON OR BEFORE
 Jun 29, 2011



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 242060

=====
Invoice Date: 06/22/2011 Terms: 15/15/30,n/30 Page 1
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CHACO ENERGY COMPANY
P.O. BOX 1587
DENVER CO 80201
(303)744-1480

WILGERS #2
~~28047~~
~~33-10S-33W~~
6-14-11
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	220.00	14.3500	3157.00
1118B	PREMIUM GEL / BENTONITE	756.00	.2400	181.44
1107	FLO-SEAL (25#)	55.00	2.6600	146.30
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-537.12
9999-130	CASH DISCOUNT	-256.49

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1250.00	1250.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
460 MIN. BULK DELIVERY	1.00	410.00	410.00

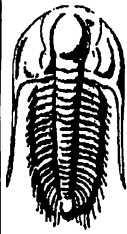
PLUG WELL
(6)

Amount Due 5552.14 if paid after 07/22/2011

Parts:	3580.74	Freight:	.00	Tax:	222.19	AR	4719.32
Labor:	.00	Misc:	.00	Total:	4719.32		
Sublt:	-793.61	Supplies:	.00	Change:	.00		

Signed _____

Date _____



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Chaco Energy Co.

Wilgers #2

PO Box 1587
Denver, CO 80201

33/10s/33w

Job Ticket: 042022

DST#: 1

ATTN: Austin Garner

Test Start: 2011.06.09 @ 12:10:00

GENERAL INFORMATION:

Formation: **Lans. "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:46:00

Time Test Ended: 20:11:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **4169.00 ft (KB) To 4208.00 ft (KB) (TVD)**

Total Depth: 4208.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3187.00 ft (KB)

3176.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8366

Inside

Press@RunDepth: 308.35 psig @ 4170.00 ft (KB)

Start Date: 2011.06.09

End Date:

2011.06.09

Capacity: 8000.00 psig

Last Calib.: 2011.06.09

Start Time: 12:10:05

End Time:

20:11:29

Time On Btm: 2011.06.09 @ 14:42:30

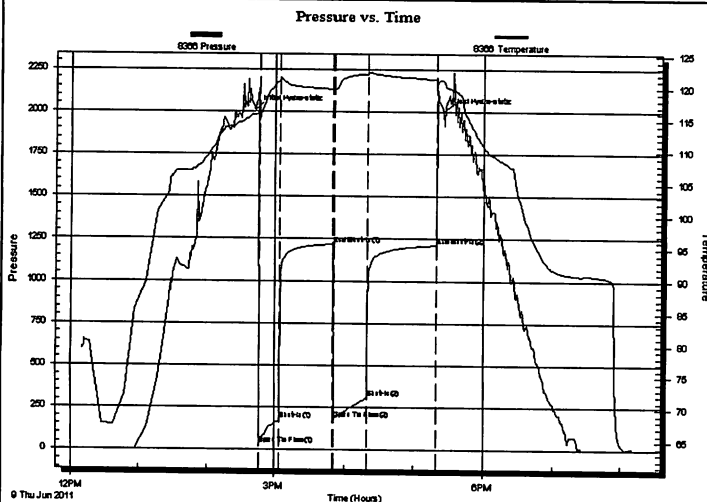
Time Off Btm: 2011.06.09 @ 17:25:30

TEST COMMENT: IF: Blow built to BOB (11") in 10 1/4 min.

IS: No blow back

FF: Blow built to BOB in 12 3/4 min.

FSI: No blow back



PRESSURE SUMMARY

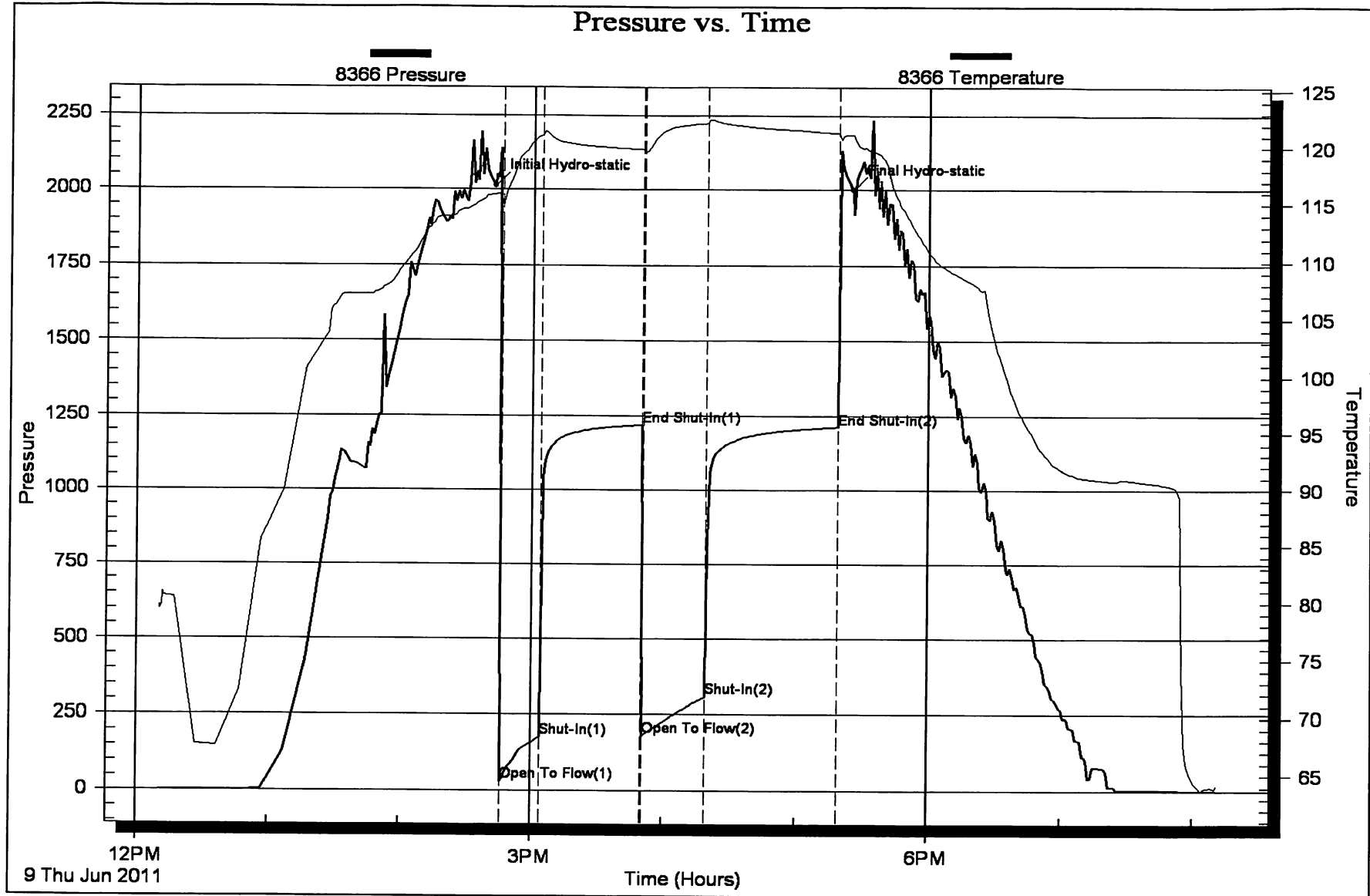
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.70	115.88	Initial Hydro-static
4	29.61	114.88	Open To Flow (1)
22	176.30	121.12	Shut-In(1)
68	1218.37	119.84	End Shut-In(1)
68	180.42	119.48	Open To Flow (2)
97	308.35	122.17	Shut-In(2)
157	1211.70	121.29	End Shut-In(2)
163	1999.01	121.10	Final Hydro-static

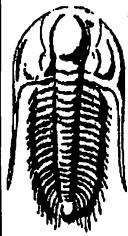
Recovery

Length (ft)	Description	Volume (bbl)
400.00	SMCW 95%w, 5%m	3.41
185.00	MCW 81%w, 19%m	2.60
50.00	MW 60%w, 40%m	0.70
0.00	Trace of Oil in tool	0.00

Gas Rates

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





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Chaco Energy Co.

Wilgers #2

PO Box 1587
Denver, CO 80201

33/10s/33w

Job Ticket: 042023

DST#: 2

ATTN: Austin Garner

Test Start: 2011.06.10 @ 22:15:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:50:00

Time Test Ended: 05:09:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **4342.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Reference Elevations: 3187.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3176.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8366

Inside

Press@RunDepth: 21.06 psig @ 4343.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.10

End Date:

2011.06.11

Last Calib.: 2011.06.11

Start Time: 22:15:05

End Time:

05:08:59

Time On Btm: 2011.06.11 @ 00:47:00

Time Off Btm: 2011.06.11 @ 02:43:30

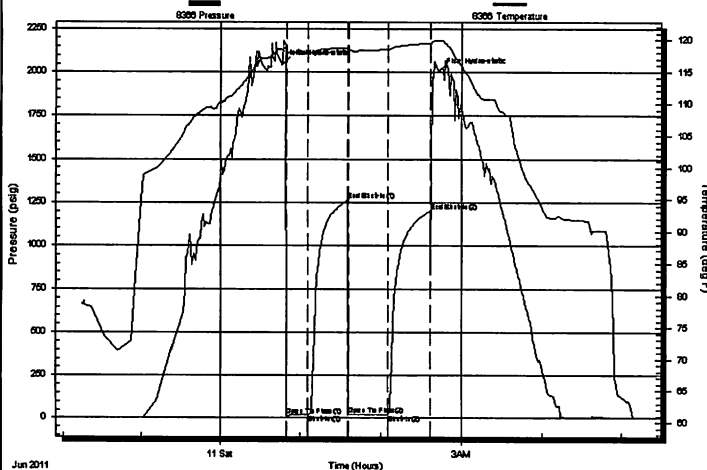
TEST COMMENT: IF: Surface blow, dead at 15 min.

IS: No blow back

FF: No blow

FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

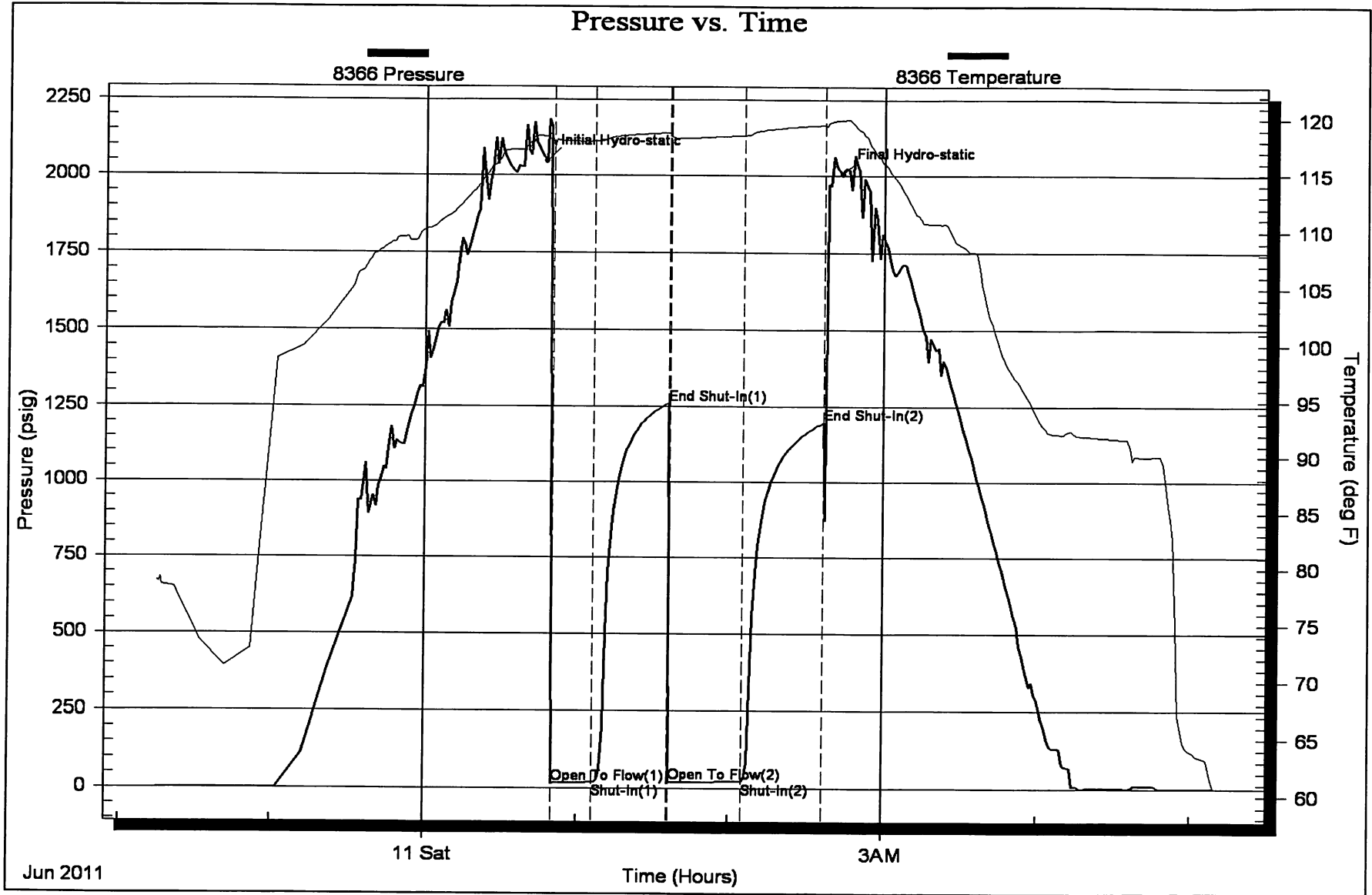
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.98	118.44	Initial Hydro-static
3	14.08	117.48	Open To Flow (1)
19	17.78	117.99	Shut-In(1)
49	1259.98	118.76	End Shut-In(1)
49	18.63	118.39	Open To Flow (2)
78	21.06	118.52	Shut-In(2)
110	1196.62	119.48	End Shut-In(2)
117	2004.74	119.89	Final Hydro-static

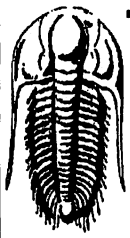
Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud 100%	0.03
0.00	Sampler 138 psi 2000 mL mud w/trace oil	0.00

Gas Rates

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





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Chaco Energy Co.

Wilgers #2

PO Box 1587
Denver, CO 80201

33/10s/33w

Job Ticket: 042024

DST#: 3

ATTN: Austin Garner

Test Start: 2011.06.12 @ 20:01:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 22:58:00

Time Test Ended: 04:22:00

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **4632.00 ft (KB) To 4695.00 ft (KB) (TVD)**

Total Depth: **4695.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3187.00 ft (KB)**

3176.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **75.23 psig @ 4637.00 ft (KB)**

Start Date: **2011.06.12** End Date: **2011.06.13**

Start Time: **20:01:05** End Time: **04:21:59**

Capacity: **8000.00 psig**

Last Calib.: **2011.06.13**

Time On Btm: **2011.06.12 @ 22:54:30**

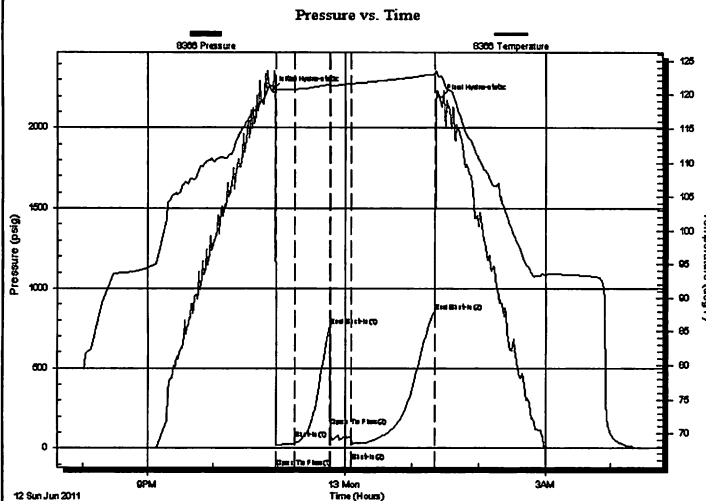
Time Off Btm: **2011.06.13 @ 01:25:00**

TEST COMMENT: IF: Surface blow through open

IS: No blow back

FF: No blow

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.94	121.36	Initial Hydro-static
4	22.05	120.75	Open To Flow (1)
21	28.25	120.80	Shut-In(1)
52	757.97	121.51	End Shut-In(1)
53	53.33	121.30	Open To Flow (2)
71	75.23	121.64	Shut-In(2)
146	850.15	123.01	End Shut-In(2)
151	2187.53	122.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 84% <i>m</i> , 13% <i>o</i> , 3% <i>g</i>	0.10
0.00	GIP = 40'	0.00
0.00	Sampler = 332 PSI	0.00
0.00	1800 mL MCO 69% <i>o</i> , 24% <i>m</i> , 7% <i>g</i>	0.00
0.00	200 mL Gas	0.00

Gas Rates

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

