



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174585
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: _____

1174585

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> _____	PRODUCTION INTERVAL: _____ _____
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BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 09584 A

25-335-16W

DATE . TICKET NO. _____

DATE OF JOB 11-30-13		DISTRICT Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER Castelli Exploration, Inc.				LEASE Charlie Brown				WELL NO. 2-25	
ADDRESS				COUNTY Comanche		STATE Kansas			
CITY		STATE		SERVICE CREW C. Messick, M. McGraw, R. Sullivan					
AUTHORIZED BY				JOB TYPE C.N.W. - Conductor					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 11-29-13	AM/PM	TIME 5:00
37,216	1					ARRIVED AT JOB	11-30-13	AM/PM	12:00
77,686-19,905	1					START OPERATION		AM/PM	12:30
70,959-19,918	1					FINISH OPERATION		AM/PM	1:30
						RELEASED	11-30-13	AM/PM	1:45
						MILES FROM STATION TO WELL	75		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP106	A Servilite Blend Cement	sh	200		\$ 2,600 00
P CP103	60/40 Poz Blend Cement	sh	150		\$ 1,800 00
P CC102	Cellflatre	Lb	88		\$ 325 60
P CC109	Calcium Chloride	Lb	909		\$ 954 45
P E100	Pickup Mileage	mi	75		\$ 318 75
P E101	Heavy Equipment Mileage	mi	150		\$ 1,050 00
P E113	Bulk Delivery	tm	1,136		\$ 1,818 00
P CE200	Cement Pump; 0 Feet To 500 Feet	hrs	4		\$ 1,000 00
P CE240	Blending and Mixing Service	sh	350		\$ 490 00
P S003	Service Supervisor	hrs	8		\$ 175 00

SUB TOTAL *KG* \$ 7,998 85

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer Castelli Exploration, Inc.	Lease No.	Date 11-30-13
Lease Charlie Brown	Well # 2-25	
Field Order # 9584	Station Pratt, Kansas	Casing 13 3/8 48lb
Type Job C.N.W.-Conductor	Depth 337 Feet	County Comanche
	Formation	State Kansas
		Legal Description 25-335-16W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 13 3/8 48 LB./FT.	Tubing Size 5 LB./FT.	Shots/Ft	200	Avg A-Serv Lite	RATE	PRESS	ISIP
Depth 337 Feet	Depth 337 Feet	From	To 686 Gal.	Pre-Flush 38 Calcium Chloride	Max	25 LB./Stk.	5 Min. Cell Plate
Volume 53 Bbl.	Volume	From	To 13.3 LB./Gal.; 8.39 Gal./Stk.	Min 1.66 CU. FT./Stk.			10 Min.
Max Press 300 P.S.I.	Max Press	From	To 150 sacks 60/40 Poz with 286 Gal. 38	Avg Calcium Chloride			15 Min. Cell Plate
Well Connection Swedge and 2 Valve	Annulus Vol.	From	To	HHP Used 14.8 LB./Gal.; 5.18 Gal./Stk.			Annulus Pressure 1.75K
Plug Depth 327 Feet	Packer Depth	From	To	Flush 51.5 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Danny White	Station Manager Kevin Gordley	Treater Clarence R. Messich
Service Units 37,216	77,686	19,905
Driver Names Messich	Mc Graw	Sullivan
19,959	19,918	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					Trucks on location and hold safety meeting.
			8 Joints		new 48lb/ft. 13 3/8" casing in well upon arrival.
12:30	250			5	Start Fresh water Pre-Flush.
	275		10	5	Start Mixing 200sacks A-Servlite cement.
	200		69	5	Start Mixing 150sacks 60/40 Poz cement
1:00	150		101	5	Start Fresh water Displacement.
1:10	300		152.5		Plugdown. Shut in well.
					Circulated 30 Bbl. cement to the pit
					Wash up pump truck.
1:30					Job Complete
					Thank You.
					Clarence, Milte, Robert



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 09590 A

25-335-16W

DATE _____ TICKET NO. _____

DATE OF JOB: 12-9-13		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Castelli Exploration, Incorporated				LEASEE: Charlie Brown				WELL NO: 2-25	
ADDRESS:				COUNTY: Comanche		STATE: Kansas			
CITY:				STATE:		SERVICE CREW: C. Messick, M. McGraw, J. Hamby			
AUTHORIZED BY:				JOB TYPE: C.N.W. - Plug To Abandon					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37,216	3						12-8-13	PM	8:00
						ARRIVED AT JOB	12-9-13	AM	1:00
77,686-19,905	3					START OPERATION		AM	2:15
						FINISH OPERATION		AM	5:15
19,831-19,862	3					RELEASED	12-9-13	AM	5:30
						MILES FROM STATION TO WELL	75		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Richard Toffey*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 103	60/40 Poz Blend Cement	sh	230		\$ 2,760 00
P CC 200	Cement Gel	Lb	396		\$ 99 00
P E 100	Pickup Mileage	mi	75		\$ 318 75
P E 101	Heavy Equipment Mileage	mi	150		\$ 1,050 00
P E 113	Bulk Delivery	tm	743		\$ 1,188 00
P CE 202	Cement Pump: 1,000 Feet To 2,000 Feet	hrs	4		\$ 1,500 00
P CE 240	Blending and Mixing Service	sh	230		\$ 322 00
P S 003	Service Supervisor	hrs	8		\$ 175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		\$ 5,559 56
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>R. M. Cozd</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Richard Toffey</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer Castelli Exploration, Inc.	Lease No. Charlie Brown	Well # 2-25	Date 12-9-13
Field Order # 9590	Station Pratt, Kansas	Casing 1 1/2 Drill Pipe	Depth Drill Pipe
Type Job C.N.W. - Plug To Abandon	Formation	County Comanche	State Kansas
		Legal Description 25-335-16W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		APD	RATE	PRESS	ISIP	
4 1/2 Drill Pipe		230	sacks	60/40 Poz with				
Depth	Depth	From	To	Rate	48	Total Gal	Max	5 Min.
Volume	Volume	From	To	Rate	14.8	Lb./Gal.	Min	10 Min.
Max Press	Max Press	From	To	Rate	5.24	Gal./stk.	Avg	15 Min.
Well Connection	Annulus Vol.	From	To				HHP Used	Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Fresh water	Gas Volume		Total Load

Customer Representative Rick Popp	Station Manager Kevin Gordley	Treater Clarence R. Messick		
Service Units 37,216	77,686	19,909	19,831	19,862
Driver Names Messick	Mc Graw	Hamby		

Time AM	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00					Truckson location and hold safety meeting.
2:15	250			5	1 st / Plug 1,560 Feet 50 sacks cement
	250		20	5	start Freshwater Pre-Flush.
	300		30	5	start mixing cement
2:25	-0-		40		Start Freshwater Displacement
					Stop pumping.
3:15	175			5	2 nd / Plug 360 Feet 100 sacks cement
	100		20	5	start mixing cement
3:20	-0-		22		start Freshwater Displacement
					Stop pumping.
4:28	-0-			3	3 rd / Plug 60 Feet 20 sacks cement
			5		start mixing cement
4:30	-0-				cement circulated to surface.
4:40	-0-		7-5	3	Stop pumping.
					Plug Rat and Mouse holes
5:30					Wash up pump truck
					Job Complete.
					Thank You.
					Clarence, Milte, Jerry



DRILL STEM TEST REPORT

Prepared For: **Castelli Exporation Inc**

6908 NW 112 TH
Ollahoma City OK 73162

ATTN: Thomas Castelli

Charlie Brown #2-25

25-33s-16w Comanche,KS

Start Date: 2013.12.07 @ 00:27:41

End Date: 2013.12.07 @ 10:02:41

Job Ticket #: 039768 DST #: 1

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

Printed: 2013.12.11 @ 11:56:29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS

Charlie Brown #2-25

Job Ticket: 039768 **DST#: 1**

Test Start: 2013.12.07 @ 00:27:41

GENERAL INFORMATION:

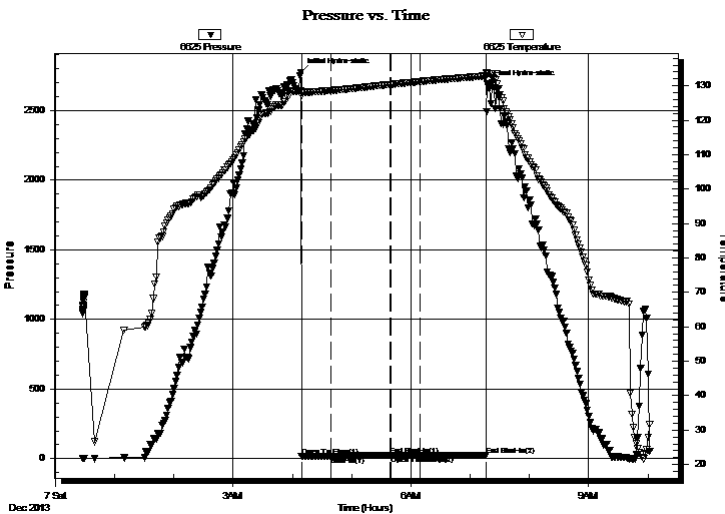
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:09:11
 Time Test Ended: 10:02:41
 Interval: **5582.00 ft (KB) To 5621.00 ft (KB) (TVD)**
 Total Depth: 5621.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: ft (KB)
 1759.00 ft (CF)
 KB to GR/CF: ft

Serial #: 6625 Outside

Press@RunDepth: 22.99 psig @ 5584.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.07 End Date: 2013.12.07 Last Calib.: 2013.12.07
 Start Time: 00:27:42 End Time: 10:02:41 Time On Btm: 2013.12.07 @ 04:08:41
 Time Off Btm: 2013.12.07 @ 07:17:11

TEST COMMENT: IFP=Weak blow built to 1/4"
 IS=Dead no blow back
 FFP=Dead no blow
 FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2773.97	128.61	Initial Hydro-static
1	16.86	127.17	Open To Flow (1)
31	18.56	128.61	Shut-In(1)
91	25.92	130.40	End Shut-In(1)
91	25.96	130.41	Open To Flow (2)
121	22.99	131.24	Shut-In(2)
188	24.89	132.87	End Shut-In(2)
189	2690.23	133.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 10%O 90%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS
Charlie Brown #2-25
Job Ticket: 039768 **DST#: 1**
Test Start: 2013.12.07 @ 00:27:41

Tool Information

Drill Pipe:	Length: 5217.00 ft	Diameter: 3.80 inches	Volume: 73.18 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 349.00 ft	Diameter: 2.25 inches	Volume: 1.72 bbl	Weight to Pull Loose: 150000.0 lb
			<u>Total Volume: 74.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	5582.00 ft			Final 101000.0 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	39.00 ft			
Tool Length:	67.00 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			5555.00	
Shut In Tool	5.00			5560.00	
Hydraulic tool	5.00			5565.00	
Jars	5.00			5570.00	
Safety Joint	3.00			5573.00	
Packer	4.00			5577.00	28.00 Bottom Of Top Packer
Packer	5.00			5582.00	
Stubb	1.00			5583.00	
Perforations	1.00			5584.00	
Recorder	0.00	6625	Outside	5584.00	
Recorder	0.00	8679	Inside	5584.00	
Perforations	33.00			5617.00	
Bullnose	4.00			5621.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS
Charlie Brown #2-25
Job Ticket: 039768 **DST#: 1**
Test Start: 2013.12.07 @ 00:27:41

Mud and Cushion Information

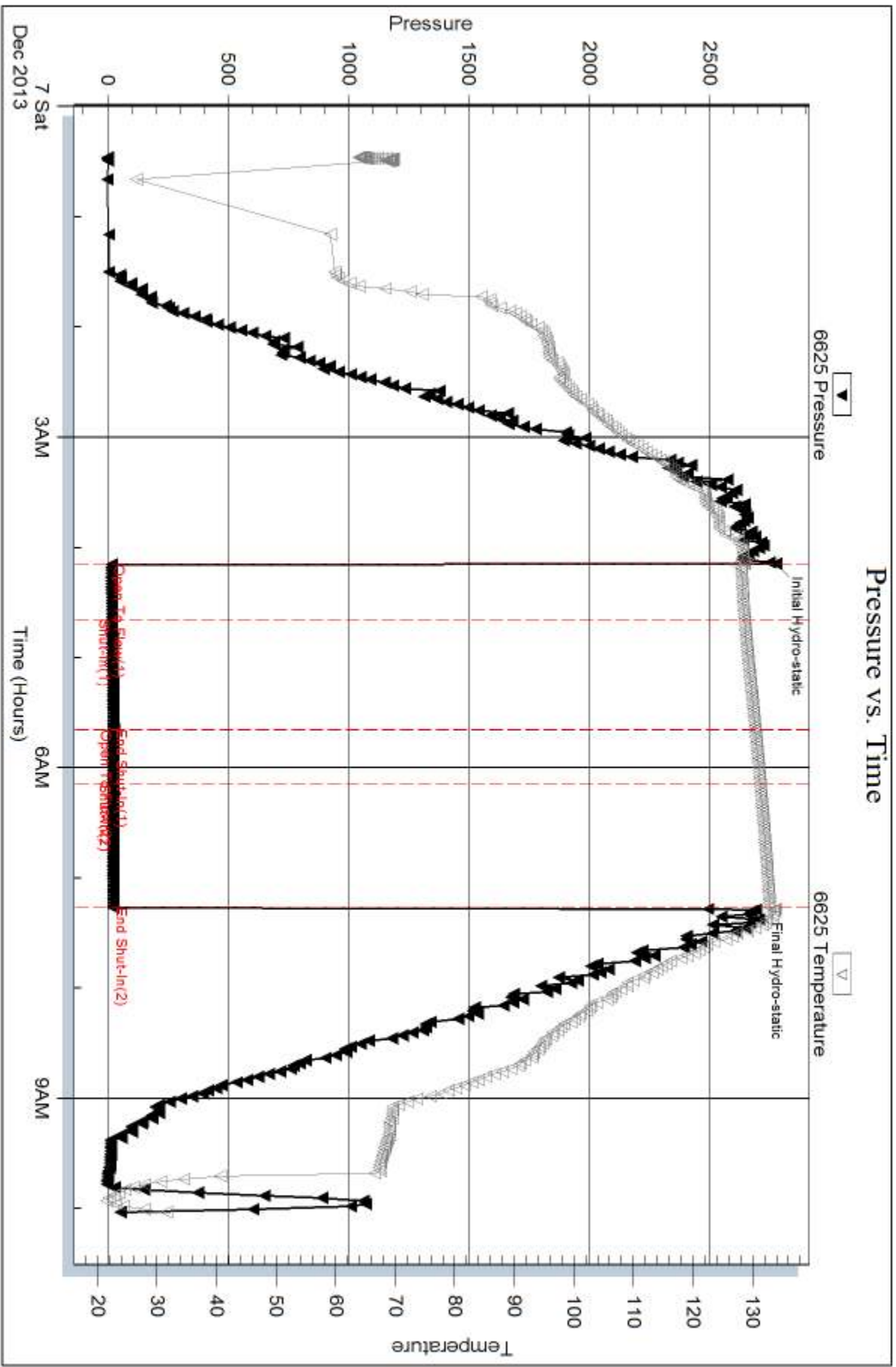
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OCM 10%O 90%M	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:



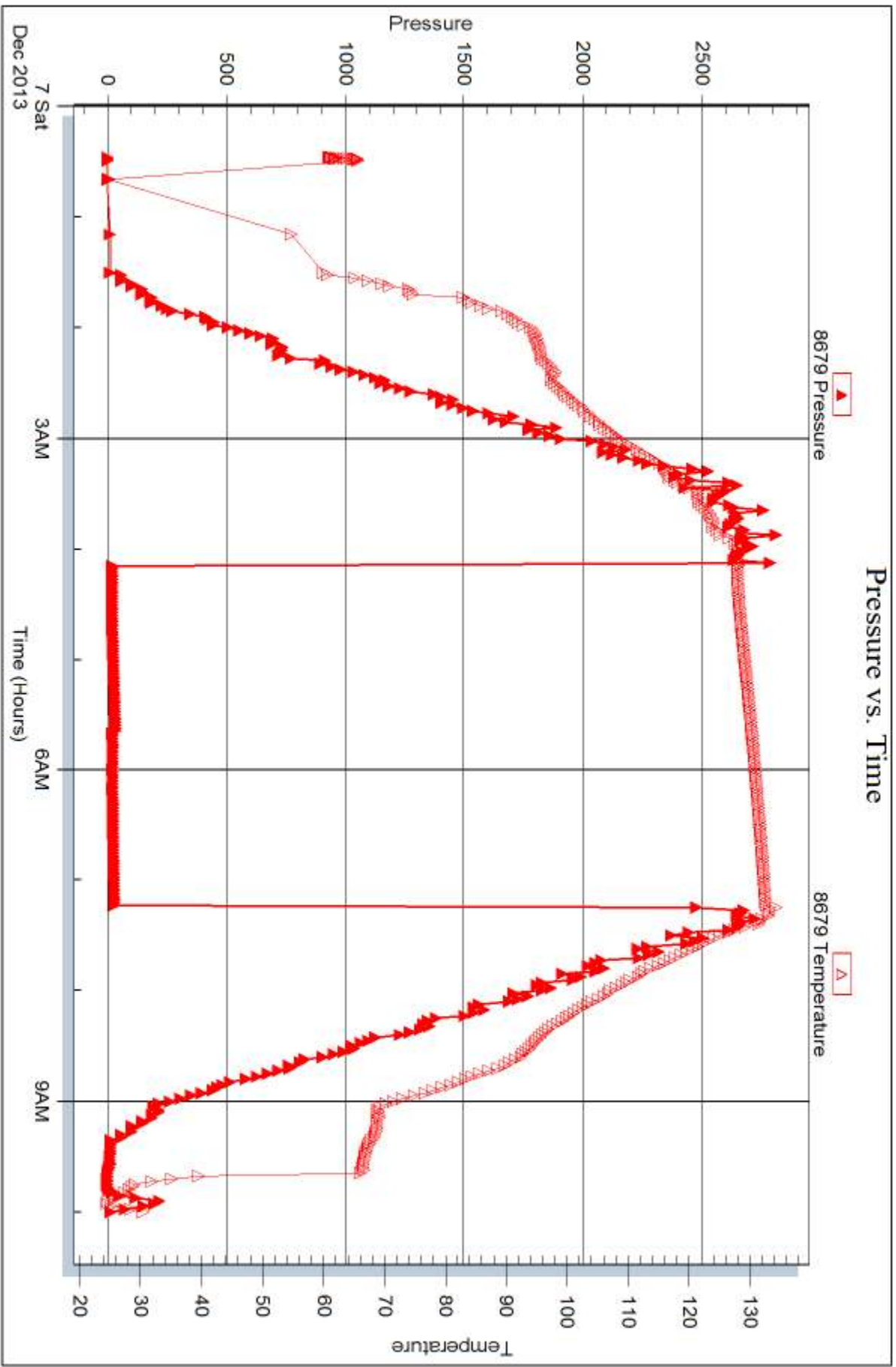
Serial #: 8679

Inside

Castelli Evaporation Inc

Charlie Brown #2-25

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Castelli Exporation Inc**

6908 NW 112 TH
Ollahoma City OK 73162

ATTN: Thomas Castelli

Charlie Brown #2-25

25-33s-16w Comanche,KS

Start Date: 2013.12.08 @ 05:13:03

End Date: 2013.12.08 @ 15:58:33

Job Ticket #: 039769 DST #: 2

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

Printed: 2013.12.11 @ 11:54:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS

Charlie Brown #2-25

Job Ticket: 039769 **DST#: 2**

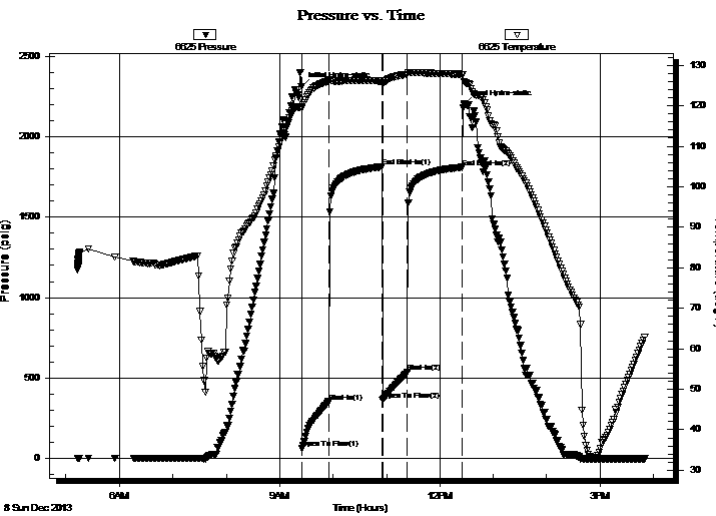
Test Start: 2013.12.08 @ 05:13:03

GENERAL INFORMATION:

Formation: **Heebner**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:25:03
 Time Test Ended: 15:58:33
 Interval: **4700.00 ft (KB) To 4755.00 ft (KB) (TVD)**
 Total Depth: 5710.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: ft (KB)
 1759.00 ft (CF)
 KB to GR/CF: ft

Serial #: 6625 Inside
 Press@RunDepth: 535.22 psig @ 4736.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.08 End Date: 2013.12.08 Last Calib.: 2013.12.08
 Start Time: 05:13:04 End Time: 15:50:33 Time On Btm: 2013.12.08 @ 09:24:33
 Time Off Btm: 2013.12.08 @ 12:27:03

TEST COMMENT: IFP=Strong blow BOB in 4 min
 IS=Weak blow back built to 1/2" dead back to 1/4"
 FFP=Strong blow BOB in 5 min
 FS=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.36	119.58	Initial Hydro-static
1	61.65	119.37	Open To Flow (1)
31	353.23	126.13	Shut-In(1)
91	1812.24	126.11	End Shut-In(1)
91	362.51	125.48	Open To Flow (2)
119	535.22	127.76	Shut-In(2)
181	1809.14	127.73	End Shut-In(2)
183	2197.05	125.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
913.00	MW 25%M 75%W	9.63
119.00	WM 15%W 85%M	1.67

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS
Charlie Brown #2-25
Job Ticket: 039769 **DST#: 2**
Test Start: 2013.12.08 @ 05:13:03

Tool Information

Drill Pipe:	Length: 4333.00 ft	Diameter: 3.80 inches	Volume: 60.78 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 349.00 ft	Diameter: 2.25 inches	Volume: 1.72 bbl	Weight to Pull Loose: 130000.0 lb
			<u>Total Volume: 62.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 108000.0 lb
Depth to Top Packer:	4700.00 ft			Final 115000.0 lb
Depth to Bottom Packer:	4755.00 ft			
Interval between Packers:	55.00 ft			
Tool Length:	1034.00 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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Change Over Sub	1.00			4673.00	
Shut In Tool	5.00			4678.00	
Hydraulic tool	5.00			4683.00	
Jars	5.00			4688.00	
Safety Joint	3.00			4691.00	
Packer	4.00			4695.00	28.00 Bottom Of Top Packer
Packer	5.00			4700.00	
Stubb	1.00			4701.00	
Perforations	2.00			4703.00	
Change Over Sub	1.00			4704.00	
Drill Pipe	31.00			4735.00	
Change Over Sub	1.00			4736.00	
Recorder	0.00	6625	Inside	4736.00	
Recorder	0.00	8679	Outside	4736.00	
Perforations	15.00			4751.00	
Blank Off Sub	1.00			4752.00	
Stubb	3.00			4755.00	55.00 Tool Interval
Packer	1.00			4756.00	
Stubb	1.00			4757.00	
Recorder	0.00	8166	Below	4757.00	
Change Over Sub	1.00			4758.00	
Drill Pipe	943.00			5701.00	
Change Over Sub	1.00			5702.00	
Bullnose	4.00			5706.00	951.00 Bottom Packers & Anchor
Total Tool Length:				1034.00	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Exporation Inc
6908 NW 112 TH
Ollahoma City OK 73162
ATTN: Thomas Castelli

25-33s-16w Comanche,KS
Charlie Brown #2-25
Job Ticket: 039769 **DST#: 2**
Test Start: 2013.12.08 @ 05:13:03

Mud and Cushion Information

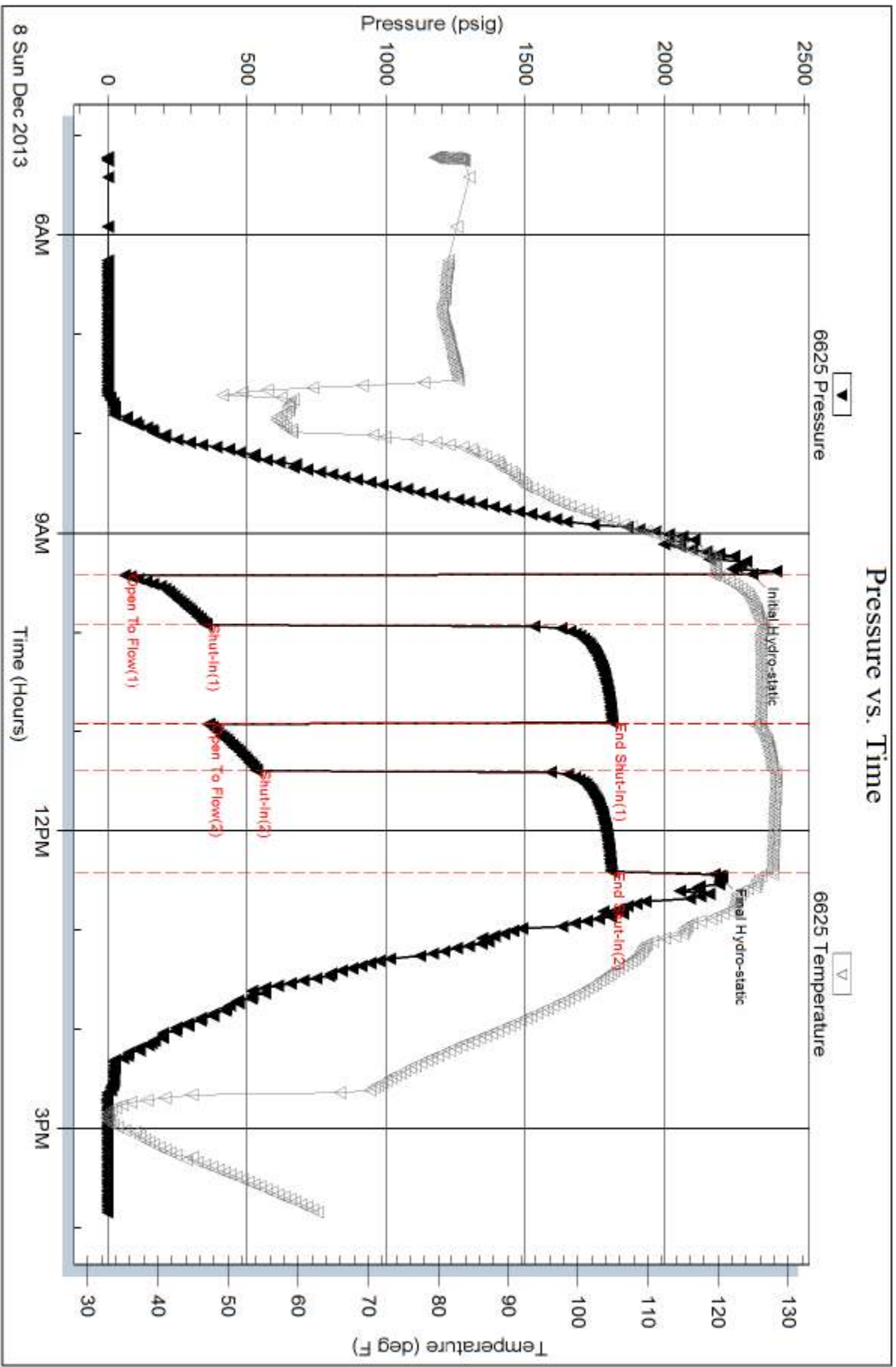
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
913.00	MW 25%M 75%W	9.628
119.00	WM 15%W 85%M	1.669

Total Length: 1032.00 ft Total Volume: 11.297 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



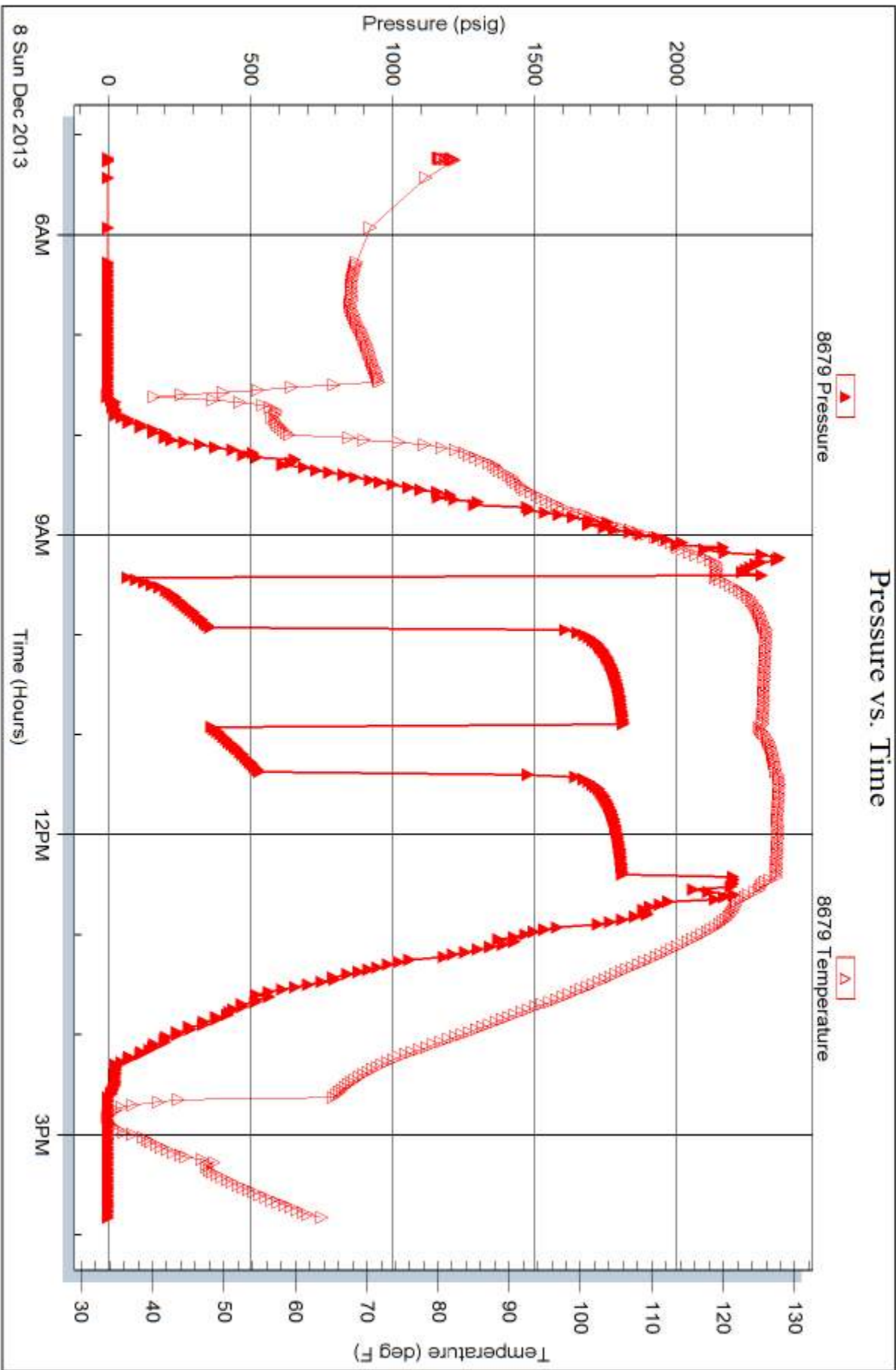
Serial #: 8679

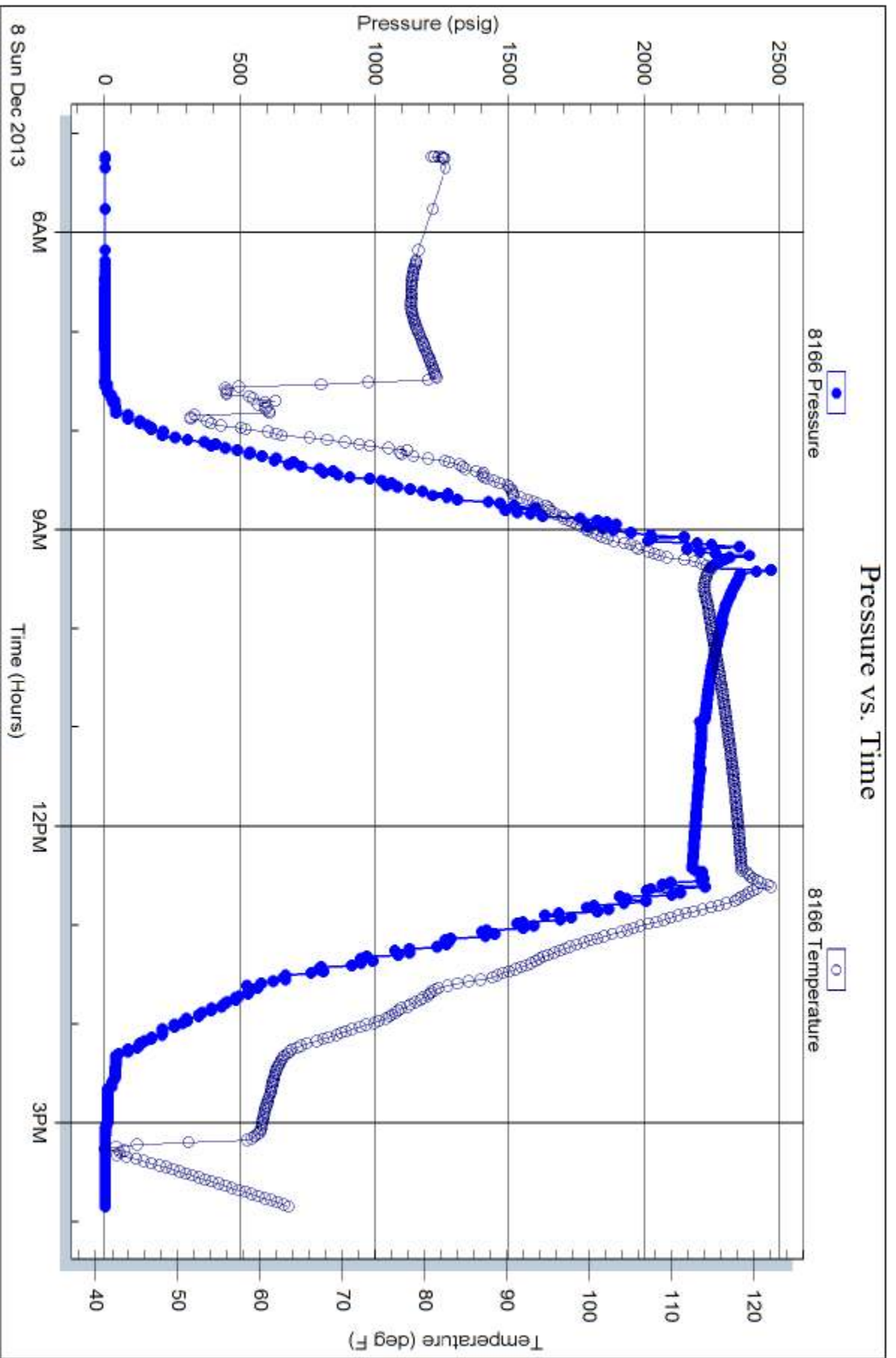
Outside

Castelli Evaporation Inc

Charlie Brown #2-25

DST Test Number: 2







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039768

4/10

Well Name & No. Charlie Brown #2-25 Test No. 1 Date 7-6-13
 Company Castelli Exploration INC Elevation _____ KB 1759 GL _____
 Address 6908 NW 112TH OKLAHOMA CITY OK 73162 + 2976
 Co. Rep / Geo. _____ Rig Duke #4
 Location: Sec. 25 Twp. 33 S Rge. 16 W Co. Cornache State KS

Interval Tested 5582-5621 Zone Tested VIOLA
 Anchor Length 39 Drill Pipe Run 5217 Mud Wt. 9.2
 Top Packer Depth 5577 Drill Collars Run 349 Vis 44
 Bottom Packer Depth 5582 Wt. Pipe Run 0 WL 10.4
 Total Depth 5621 Chlorides 5000 ppm System LCM 5

Blow Description IA-Weak Blow Built to 1/4 IN
IS-Dead No Blow Back
FF-Dead No Blow
FS-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>OCM</u>	<u>10</u>		<u>90</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 3 BHT 133 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2774 Test 1350 T-On Location 23:40
 (B) First Initial Flow 17 Jars 250 T-Started 00:27
 (C) First Final Flow 19 Safety Joint 75 T-Open 4:09
 (D) Initial Shut-In 26 Circ Sub _____ T-Pulled 7:09
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 10:02
 (F) Second Final Flow 23 Mileage 148 x 2 Comments _____
 (G) Final Shut-In 25 Sampler 105rt 162.75 _____
 (H) Final Hydrostatic 2690 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1837.75
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 1837.75

Approved By _____ Our Representative Jeff Brown

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039769

Well Name & No. Charlie Brown #2-25 Test No. 2 Date 7-8-13
 Company Castelli Exploration INC Elevation 17 KB 1759 GL
 Address 6908 NW 112th Oklahoma City 73162 + 2976
 Co. Rep / Geo. _____ Rig Duke #6
 Location: Sec. 25 Twp. 33 S Rge. 16 W Co. Comanche State KS

Interval Tested 4700-4755 Zone Tested Hee B Mer
 Anchor Length 55' Anchor 955' Tail Drill Pipe Run 4333 Mud Wt. 9.2
 Top Packer Depth 4695 Drill Collars Run 349 Vis 50
 Bottom Packer Depth 4700 Wt. Pipe Run 0 WL 8.8
 Total Depth 5710 Chlorides 5000 ppm System LCM 8

Blow Description FP-Strong Blow Bob IN 4 min
ISI-Weak Blow Back Built To 1/2 IN died Back To 1/4 IN
FP-Strong Blow Bob IN 5 min
ISI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>913</u>	<u>WM</u>			<u>75%</u>	<u>25%</u>
<u>119</u>	<u>MW</u>			<u>15%</u>	<u>85%</u>
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 1032 BHT 128 Gravity _____ API RW 1163 @ 37.1 °F Chlorides 93,000 ppm

- (A) Initial Hydrostatic 2312
- (B) First Initial Flow 62
- (C) First Final Flow 353
- (D) Initial Shut-In 1812
- (E) Second Initial Flow 363
- (F) Second Final Flow 535
- (G) Final Shut-In 1809
- (H) Final Hydrostatic 2197

- Test 1350
- Jars 250
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 162.75
- Sampler _____
- Straddle 600
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____

T-On Location 4:20
 T-Started 5:13
 T-Open 9:25
 T-Pulled 12:25
 T-Out 15:58

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 2437.75
 MP/DST Disc't _____

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

Sub Total 2437.75

Approved By _____

Our Representative Jeff Brown

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