



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1190390  
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: \_\_\_\_\_

1190390

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:  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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Abercrombie Energy, LLC
Well Name	Moore 'A' 1-9
Doc ID	1190390

Tops

Name	Top	Datum
ANHYDRITE	2272	+816
BASE ANHYDRITE	2285	+803
HEEBNER	3953	-865
LANSING	4002	-914
STARK SH	4308	-1220
BKC	4448	-1360
MARMATON	4473	-1385
PAWNEE	4571	-1483
FT SCOTT	4594	-1506
CHEROKEE SH	4607	-1519
MORROW SH	4790	-1702
MISS	4884	--1796





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

10209 W Central STE 2  
Wichita KS 67212

ATTN: Wes Hanson

### **Moore #1-9**

### **9-20s-34w Scott,KS**

Start Date: 2012.11.08 @ 22:40:00

End Date: 2012.11.09 @ 10:56:30

Job Ticket #: 48920                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.11.27 @ 10:06:42



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48920

**DST#: 1**

ATTN: Wes Hanson

Test Start: 2012.11.08 @ 22:40:00

## GENERAL INFORMATION:

Formation: **Kansas City " K & L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:49:00

Time Test Ended: 10:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

**Interval: 4298.00 ft (KB) To 4384.00 ft (KB) (TVD)**

Reference Elevations: 3069.00 ft (KB)

Total Depth: 4384.00 ft (KB) (TVD)

3059.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 258.82 psig @ 4299.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.08

End Date:

2012.11.09

Last Calib.: 2012.11.09

Start Time: 22:40:15

End Time:

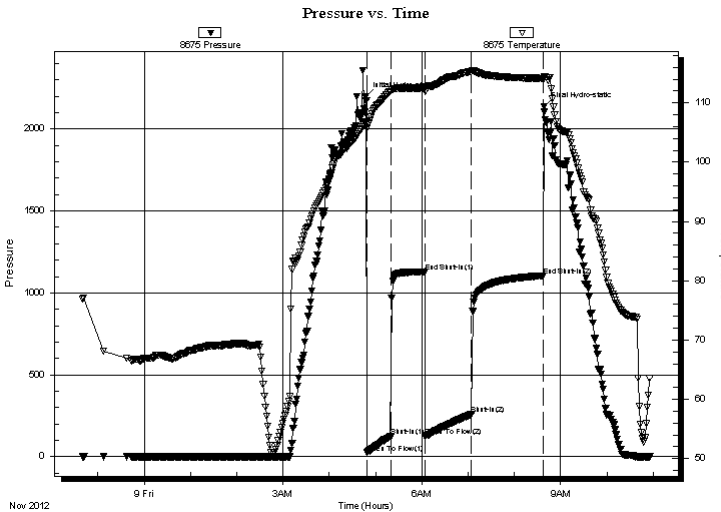
10:56:30

Time On Btm: 2012.11.09 @ 04:47:00

Time Off Btm: 2012.11.09 @ 08:38:15

**TEST COMMENT:** B.O.B. in 24 min.  
Bled off for 5 min. No return blow  
B.O.B. in 28 min.  
Bled off for 5 min. No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.45	106.65	Initial Hydro-static
2	24.54	105.71	Open To Flow (1)
33	122.44	111.96	Shut-In(1)
78	1128.30	112.50	End Shut-In(1)
78	125.81	112.01	Open To Flow (2)
138	258.82	115.31	Shut-In(2)
231	1104.51	114.14	End Shut-In(2)
232	2138.39	114.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
76.00	w cm 10%W 90%m	1.07
310.00	mcw 40%M 60%w	4.35
124.00	mcw 10%M 90%w	1.74

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48920

**DST#: 1**

ATTN: Wes Hanson

Test Start: 2012.11.08 @ 22:40:00

## Tool Information

Drill Pipe:	Length: 4294.89 ft	Diameter: 3.80 inches	Volume: 60.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 60.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.39 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4298.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	113.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4271.50	
Shut In Tool	5.00			4276.50	
Hydraulic tool	5.00			4281.50	
Jars	5.00			4286.50	
Safety Joint	2.50			4289.00	
Packer	5.00			4294.00	27.50 Bottom Of Top Packer
Packer	4.00			4298.00	
Stubb	1.00			4299.00	
Recorder	0.00	8675	Inside	4299.00	
Recorder	0.00	8650	Outside	4299.00	
Perforations	18.00			4317.00	
Change Over Sub	1.00			4318.00	
Drill Pipe	62.00			4380.00	
Change Over Sub	1.00			4381.00	
Bullnose	3.00			4384.00	86.00 Bottom Packers & Anchor

**Total Tool Length: 113.50**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48920

**DST#: 1**

ATTN: Wes Hanson

Test Start: 2012.11.08 @ 22:40:00

## 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: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
76.00	w cm 10%W 90%m	1.066
310.00	mcw 40%M 60%w	4.348
124.00	mcw 10%M 90%w	1.739

Total Length: 510.00 ft      Total Volume: 7.153 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

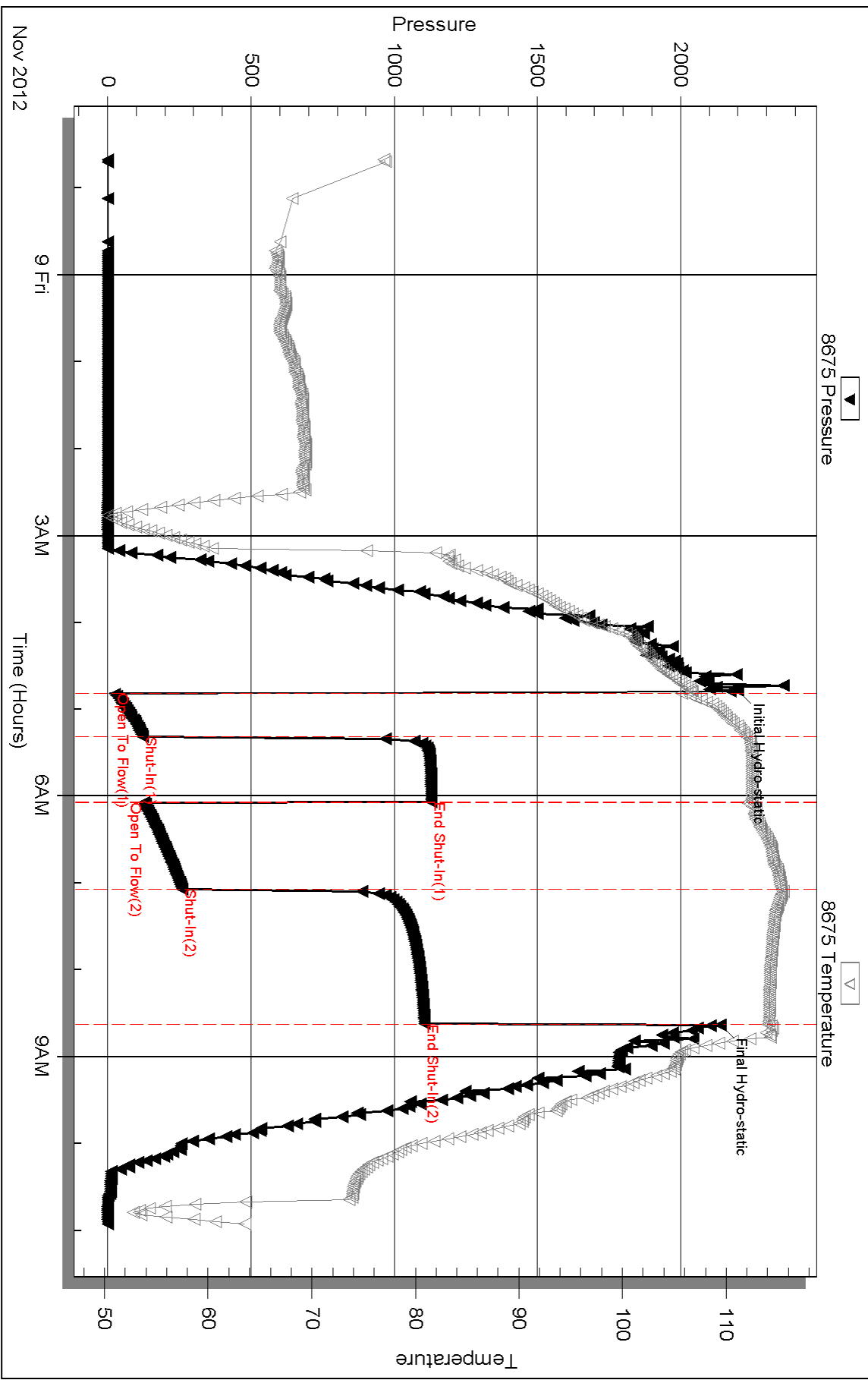
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw: .30 @ 60 F = 30,000

### Pressure vs. Time

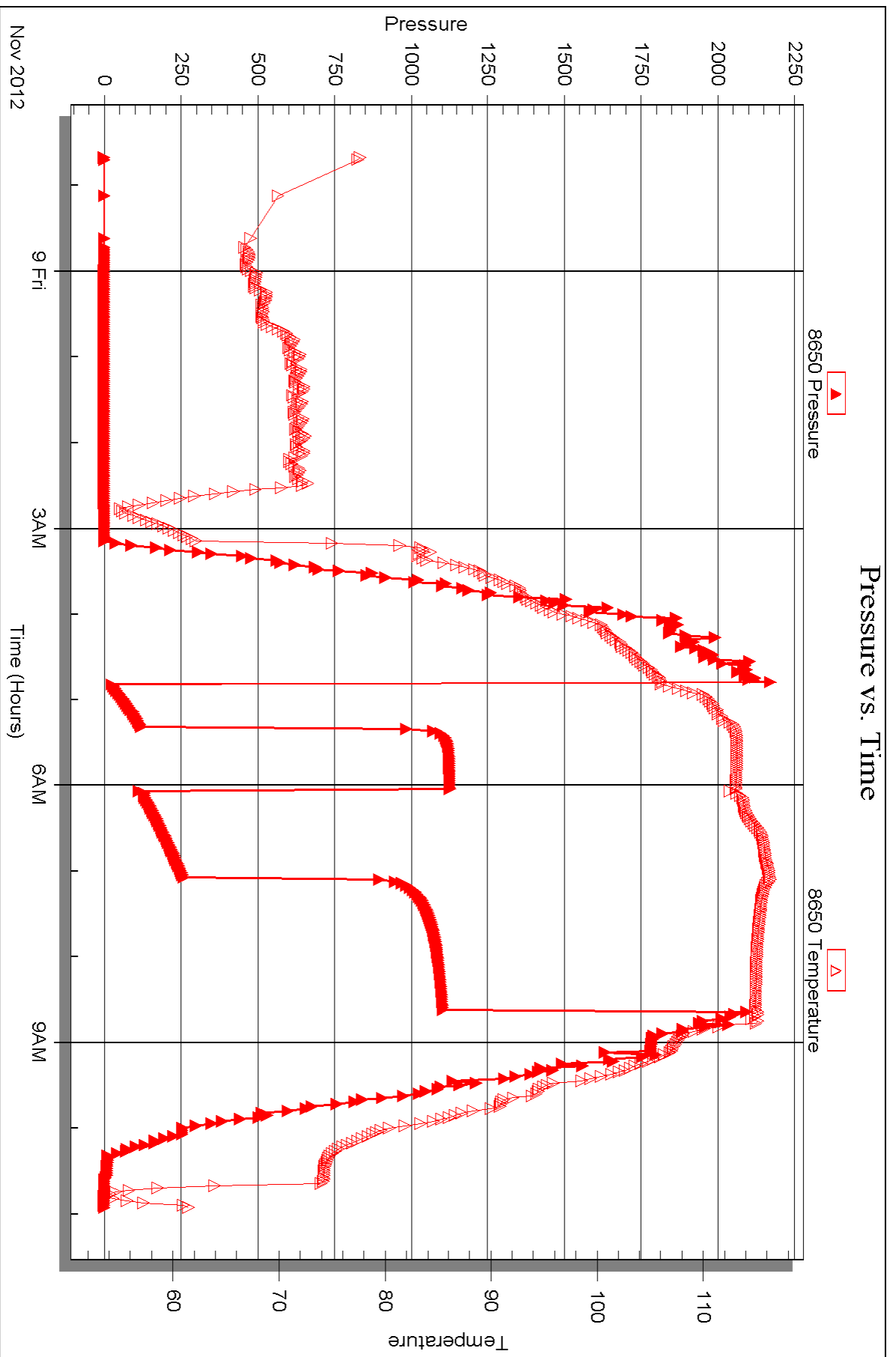


Serial #: 8650

Outside Abercrombie Energy, LLC

Moore #1-9

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

10209 W Central STE 2  
Wichita KS 67212

ATTN: Wes Hanson

### **Moore #1-9**

#### **9-20s-34w Scott,KS**

Start Date: 2012.11.10 @ 04:15:00

End Date: 2012.11.10 @ 13:54:30

Job Ticket #: 48921                      DST #: 2

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

Printed: 2012.11.27 @ 10:06:03



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48921

**DST#: 2**

ATTN: Wes Hanson

Test Start: 2012.11.10 @ 04:15:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:15

Time Test Ended: 13:54:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4483.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 3069.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3059.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675 Inside**

Press @ Run Depth: 745.97 psig @ 4484.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.10

End Date:

2012.11.10

Last Calib.: 2012.11.10

Start Time: 04:15:15

End Time:

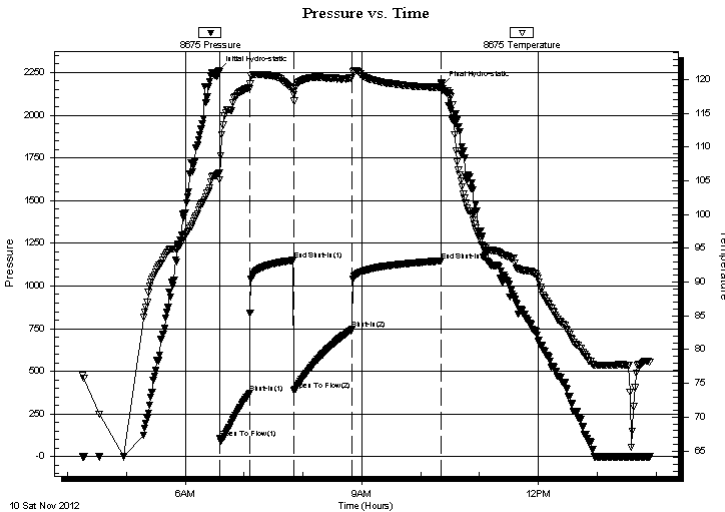
13:54:30

Time On Btm: 2012.11.10 @ 06:34:00

Time Off Btm: 2012.11.10 @ 10:21:45

**TEST COMMENT:** B.O.B. in 1 min  
Bled off for 5 min. B.O.B. in 12 min.  
B.O.B. in 2 1/2 min.  
Bled off for 5 min. B.O.B. in 23 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.09	106.09	Initial Hydro-static
2	106.59	105.08	Open To Flow (1)
32	373.39	118.59	Shut-In(1)
77	1150.24	118.50	End Shut-In(1)
77	391.51	117.75	Open To Flow (2)
136	745.97	120.22	Shut-In(2)
227	1145.34	118.80	End Shut-In(2)
228	2171.62	118.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2108 Feet Gas In Pipe	0.00
640.00	gco 10%G 90%O	8.98
620.00	gco 30%G 70%O	8.70
864.00	gco 15%G 85%O	12.12
186.00	mcw go 10%M 20%W 30%G 40%O	2.61

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48921

**DST#: 2**

ATTN: Wes Hanson

Test Start: 2012.11.10 @ 04:15:00

## Tool Information

Drill Pipe:	Length: 4482.59 ft	Diameter: 3.80 inches	Volume: 62.88 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.09 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4483.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	44.50 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			4456.50	
Shut In Tool	5.00			4461.50	
Hydraulic tool	5.00			4466.50	
Jars	5.00			4471.50	
Safety Joint	2.50			4474.00	
Packer	5.00			4479.00	27.50 Bottom Of Top Packer
Packer	4.00			4483.00	
Stubb	1.00			4484.00	
Recorder	0.00	8675	Inside	4484.00	
Recorder	0.00	8650	Outside	4484.00	
Perforations	13.00			4497.00	
Change Over Sub	0.00			4497.00	
Drill Pipe	0.00			4497.00	
Change Over Sub	0.00			4497.00	
Bullnose	3.00			4500.00	17.00 Bottom Packers & Anchor

**Total Tool Length: 44.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48921

**DST#: 2**

ATTN: Wes Hanson

Test Start: 2012.11.10 @ 04:15:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2108 Feet Gas In Pipe	0.000
640.00	gco 10%G 90%O	8.978
620.00	gco 30%G 70%O	8.697
864.00	gco 15%G 85%O	12.120
186.00	mcw go 10%M 20%W 30%G 40%O	2.609

Total Length: 2310.00 ft      Total Volume: 32.404 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

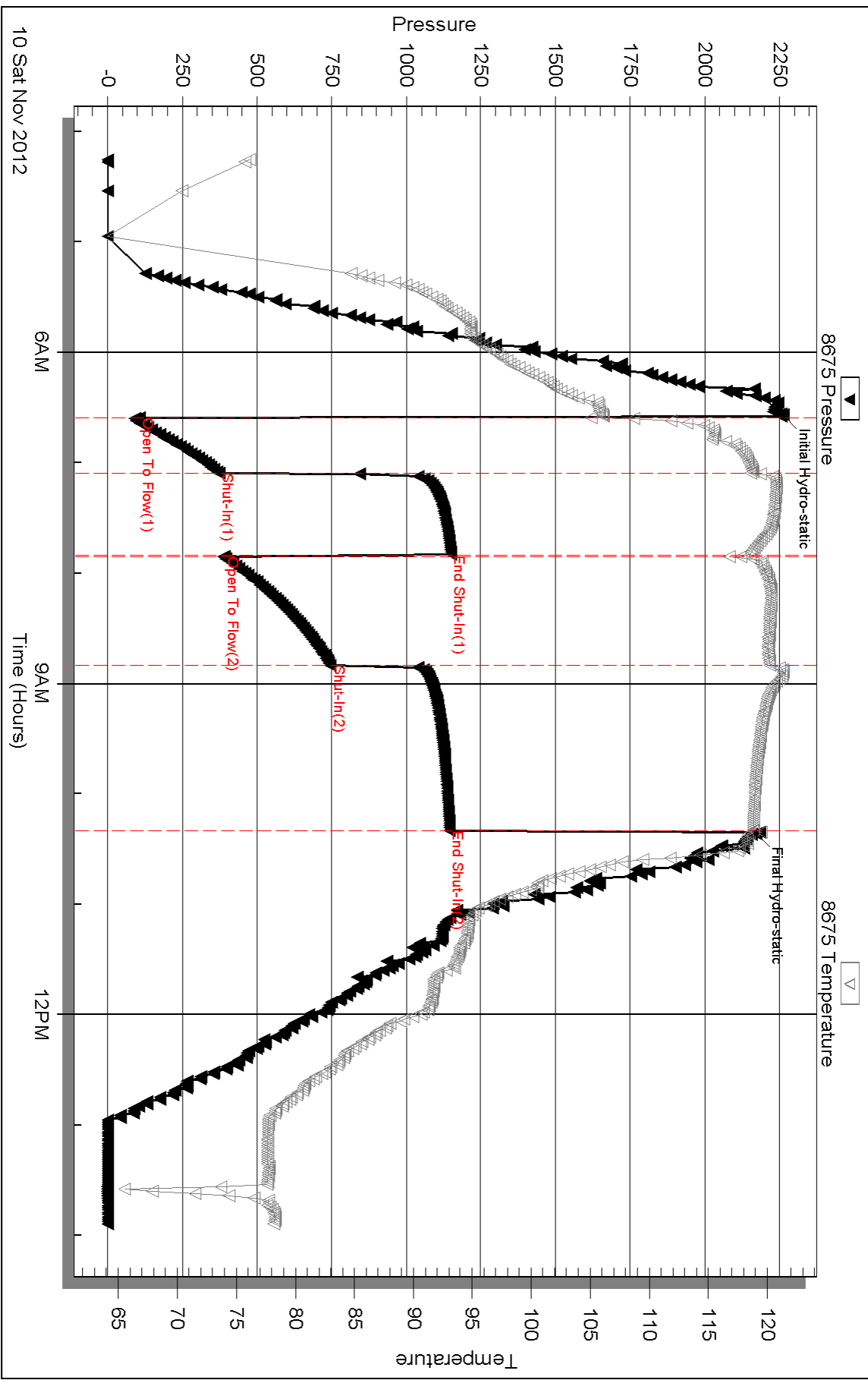
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 70 F = 34    RW: .20 @ 70 F = 35,000



# Pressure vs. Time

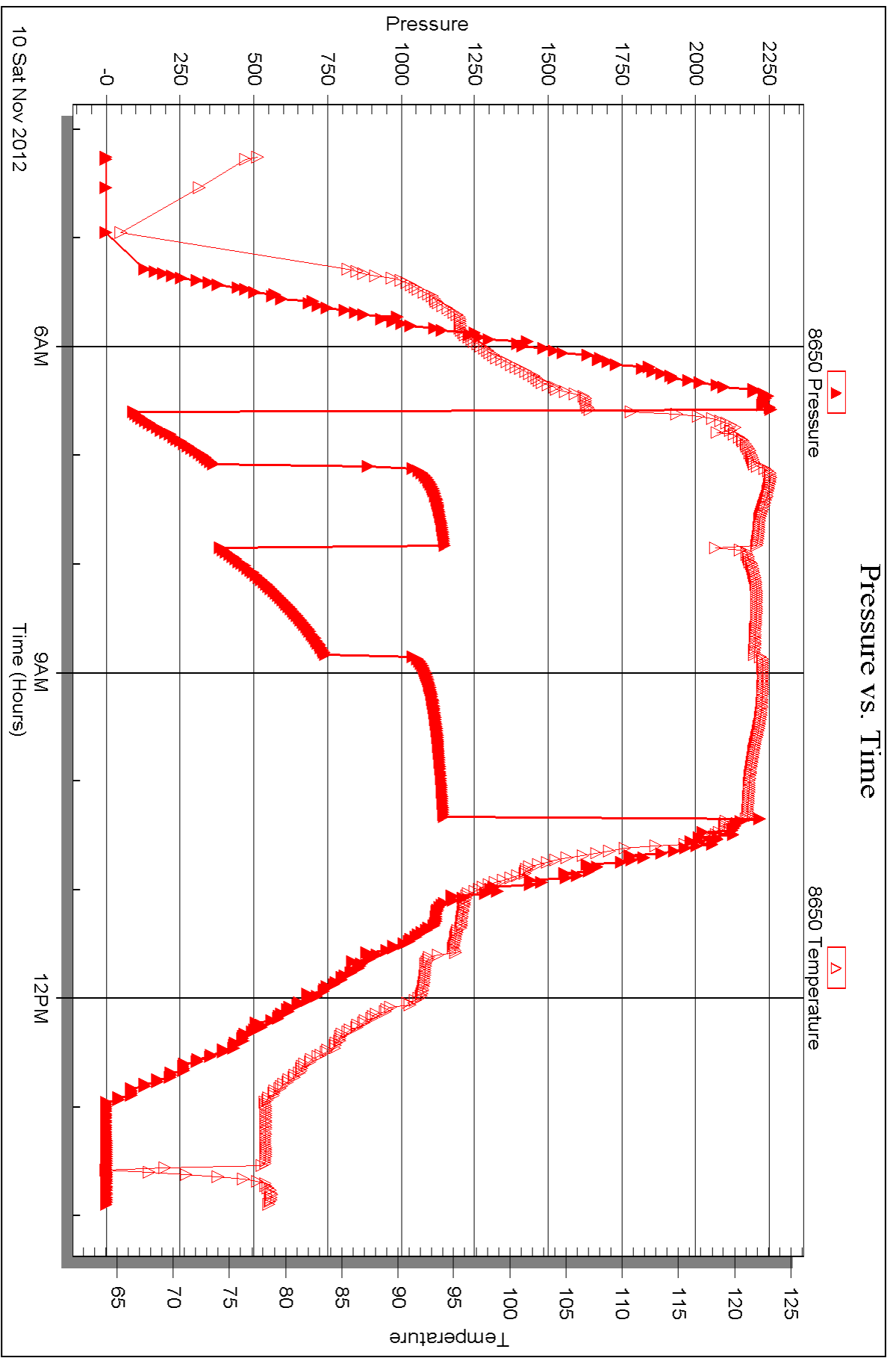


Serial #: 8650

Outside Abercrombie Energy, LLC

Moore #1-9

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

10209 W Central STE 2  
Wichita KS 67212

ATTN: Wes Hanson

### **Moore #1-9**

### **9-20s-34w Scott,KS**

Start Date: 2012.11.11 @ 03:20:00

End Date: 2012.11.11 @ 10:21:15

Job Ticket #: 48922                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.11.27 @ 10:05:21



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48922

**DST#: 3**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 03:20:00

## GENERAL INFORMATION:

Formation: **Pawnee (Beymer)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:28:45

Time Test Ended: 10:21:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4540.00 ft (KB) To 4563.00 ft (KB) (TVD)**

Reference Elevations: 3069.00 ft (KB)

Total Depth: 4563.00 ft (KB) (TVD)

3059.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ RunDepth: 56.58 psig @ 4541.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.11

End Date:

2012.11.11

Last Calib.:

2012.11.11

Start Time: 03:20:15

End Time:

10:21:15

Time On Btm:

2012.11.11 @ 06:27:45

Time Off Btm:

2012.11.11 @ 08:37:15

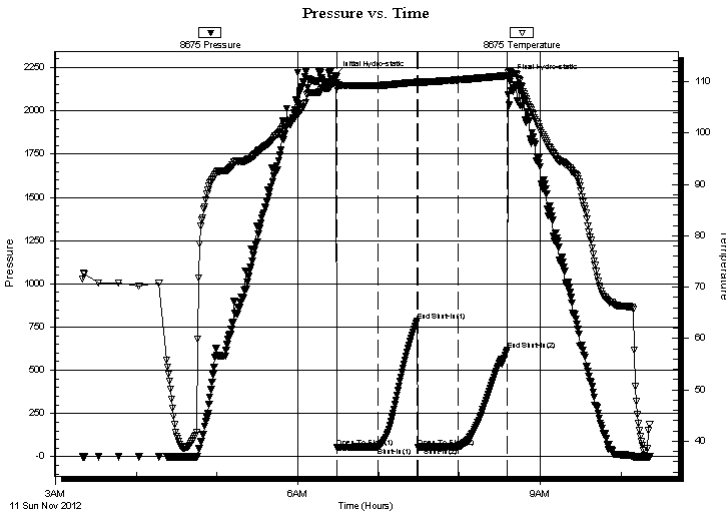
**TEST COMMENT:** Weak surface blow , Died in 20 min.

No return blow

No blow

No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.33	109.82	Initial Hydro-static
1	55.10	108.58	Open To Flow (1)
32	56.00	109.25	Shut-In(1)
61	785.94	109.88	End Shut-In(1)
62	56.43	109.56	Open To Flow (2)
91	56.58	110.32	Shut-In(2)
128	617.26	111.15	End Shut-In(2)
130	2188.02	111.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	100%Mud with few oil spots	1.05

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48922

**DST#: 3**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 03:20:00

## Tool Information

Drill Pipe:	Length: 4544.66 ft	Diameter: 3.80 inches	Volume: 63.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
			Total Volume: 63.75 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.16 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4540.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	50.50 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			4513.50	
Shut In Tool	5.00			4518.50	
Hydraulic tool	5.00			4523.50	
Jars	5.00			4528.50	
Safety Joint	2.50			4531.00	
Packer	5.00			4536.00	27.50 Bottom Of Top Packer
Packer	4.00			4540.00	
Stubb	1.00			4541.00	
Recorder	0.00	8675	Inside	4541.00	
Recorder	0.00	8650	Outside	4541.00	
Perforations	19.00			4560.00	
Change Over Sub	0.00			4560.00	
Drill Pipe	0.00			4560.00	
Change Over Sub	0.00			4560.00	
Bullnose	3.00			4563.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 50.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48922

**DST#: 3**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 03:20:00

## 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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	100%Mud w ith few oil spots	1.052

Total Length: 75.00 ft      Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

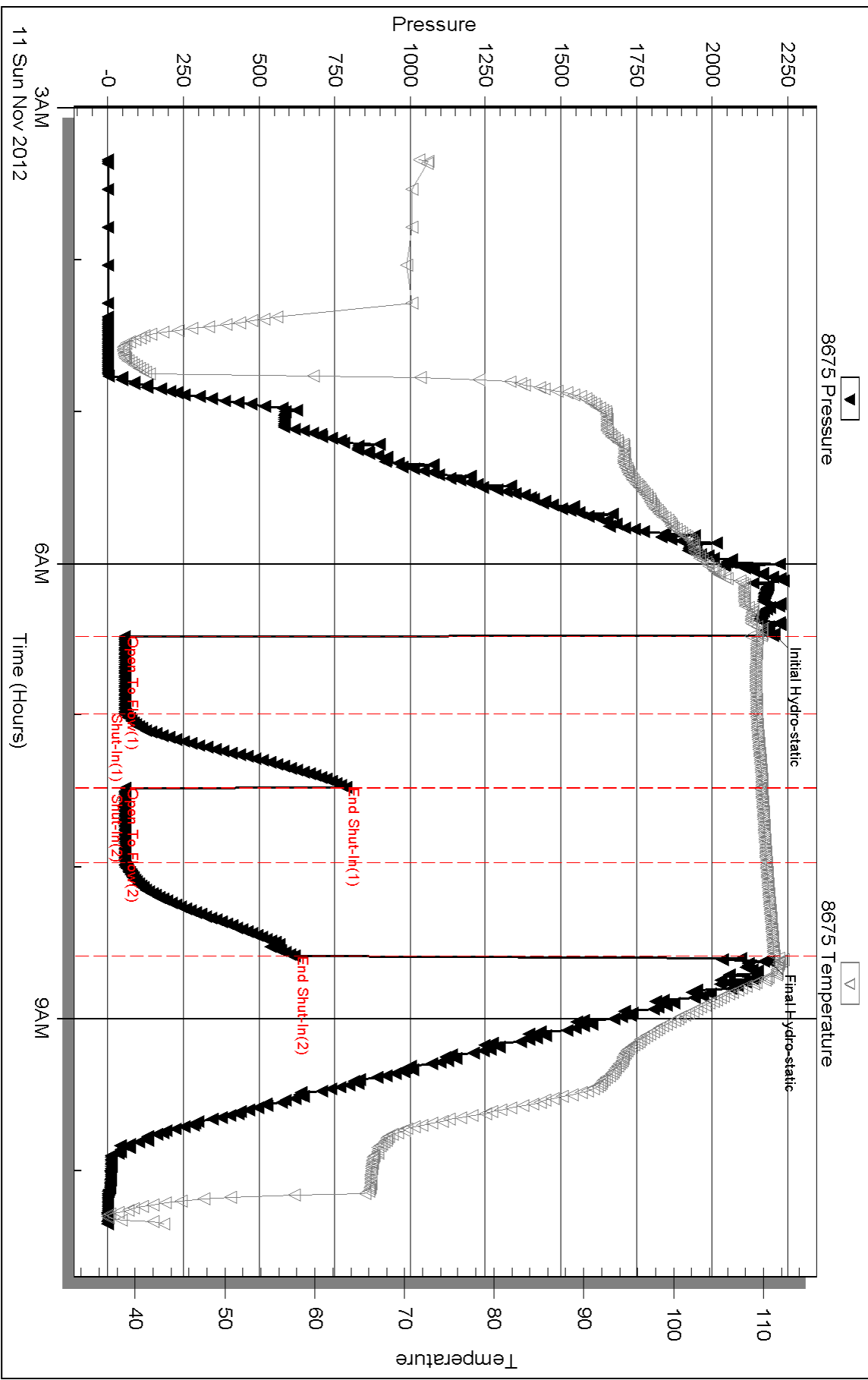
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



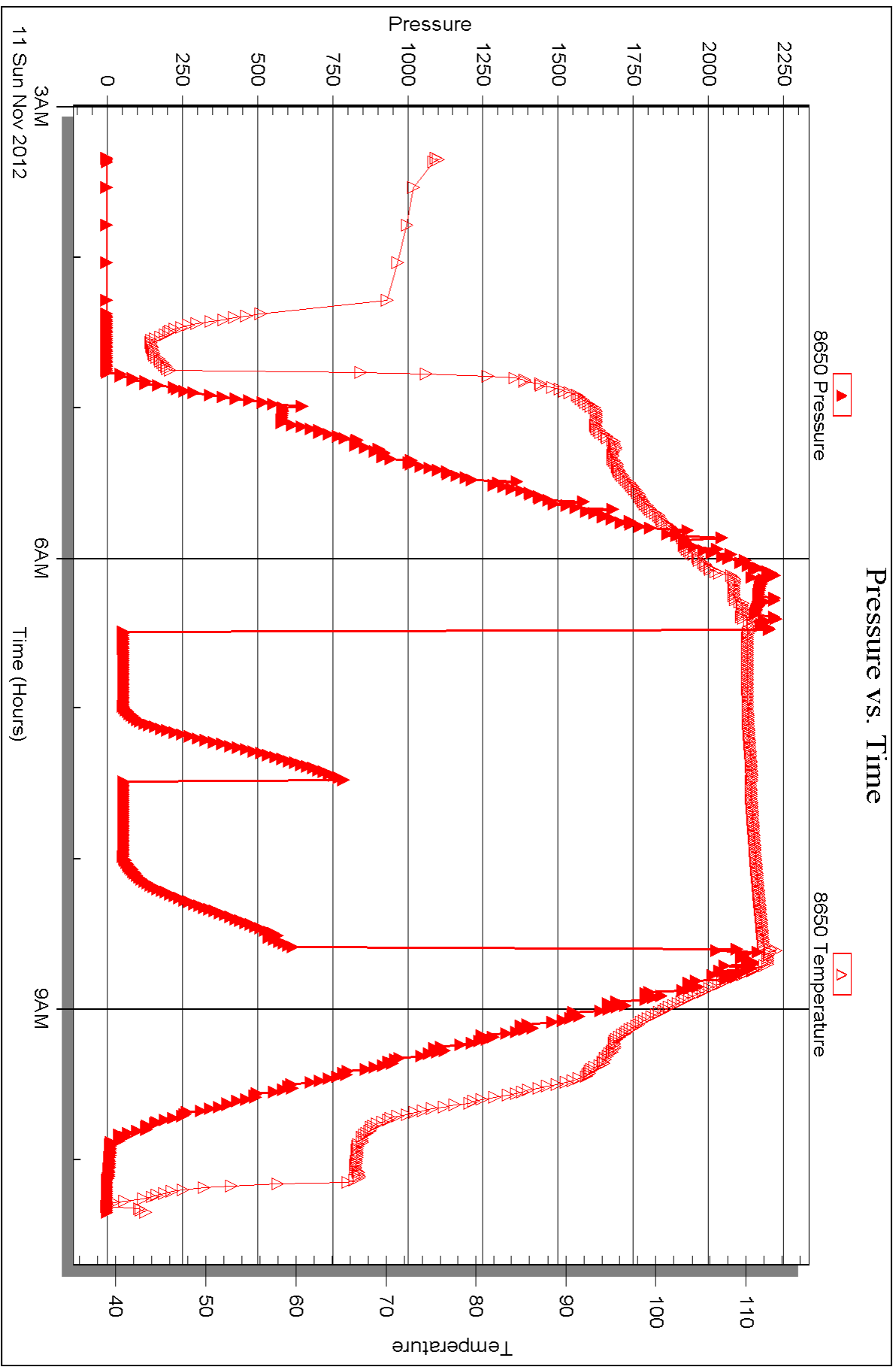


Serial #: 8650

Outside Abercrombie Energy, LLC

Moore #1-9

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

10209 W Central STE 2  
Wichita KS 67212

ATTN: Wes Hanson

### **Moore #1-9**

#### **9-20s-34w Scott,KS**

Start Date: 2012.11.11 @ 20:10:00

End Date: 2012.11.12 @ 03:29:00

Job Ticket #: 48923                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.11.27 @ 10:04:39



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48923

**DST#: 4**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 20:10:00

## GENERAL INFORMATION:

Formation: **Fort Scott (Johnson)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:30

Time Test Ended: 03:29:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4564.00 ft (KB) To 4595.00 ft (KB) (TVD)**

Reference Elevations: 3069.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

3059.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675 Inside**

Press @ Run Depth: 31.49 psig @ 4565.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.11

End Date:

2012.11.12

Last Calib.: 2012.11.12

Start Time: 20:10:15

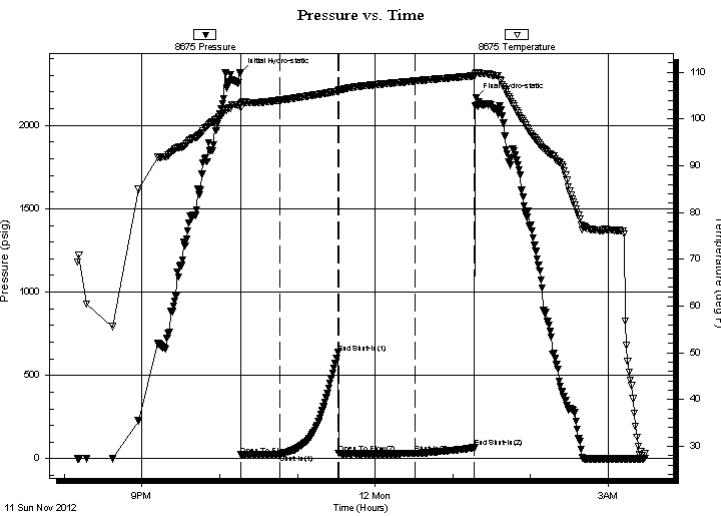
End Time:

03:29:00

Time On Btm: 2012.11.11 @ 22:16:15

Time Off Btm: 2012.11.12 @ 01:18:15

**TEST COMMENT:** Built to 1" blow  
No return blow  
Weak surface blow  
No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.51	103.31	Initial Hydro-static
1	23.67	102.46	Open To Flow (1)
30	28.49	103.98	Shut-In(1)
75	636.63	105.92	End Shut-In(1)
76	30.83	105.95	Open To Flow (2)
135	31.49	108.11	Shut-In(2)
181	66.03	109.20	End Shut-In(2)
182	2164.44	109.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud with oil spots	0.42

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48923

**DST#: 4**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 20:10:00

## Tool Information

Drill Pipe:	Length: 4544.86 ft	Diameter: 3.80 inches	Volume: 63.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 63.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.36 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4564.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4537.50	
Shut In Tool	5.00			4542.50	
Hydraulic tool	5.00			4547.50	
Jars	5.00			4552.50	
Safety Joint	2.50			4555.00	
Packer	5.00			4560.00	27.50 Bottom Of Top Packer
Packer	4.00			4564.00	
Stubb	1.00			4565.00	
Recorder	0.00	8675	Inside	4565.00	
Recorder	0.00	8650	Outside	4565.00	
Perforations	27.00			4592.00	
Change Over Sub	0.00			4592.00	
Drill Pipe	0.00			4592.00	
Change Over Sub	0.00			4592.00	
Bullnose	3.00			4595.00	31.00 Bottom Packers & Anchor

**Total Tool Length: 58.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC

**9-20s-34w Scott,KS**

10209 W Central STE 2  
Wichita KS 67212

**Moore #1-9**

Job Ticket: 48923

**DST#: 4**

ATTN: Wes Hanson

Test Start: 2012.11.11 @ 20:10:00

## 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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud with oil spots	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

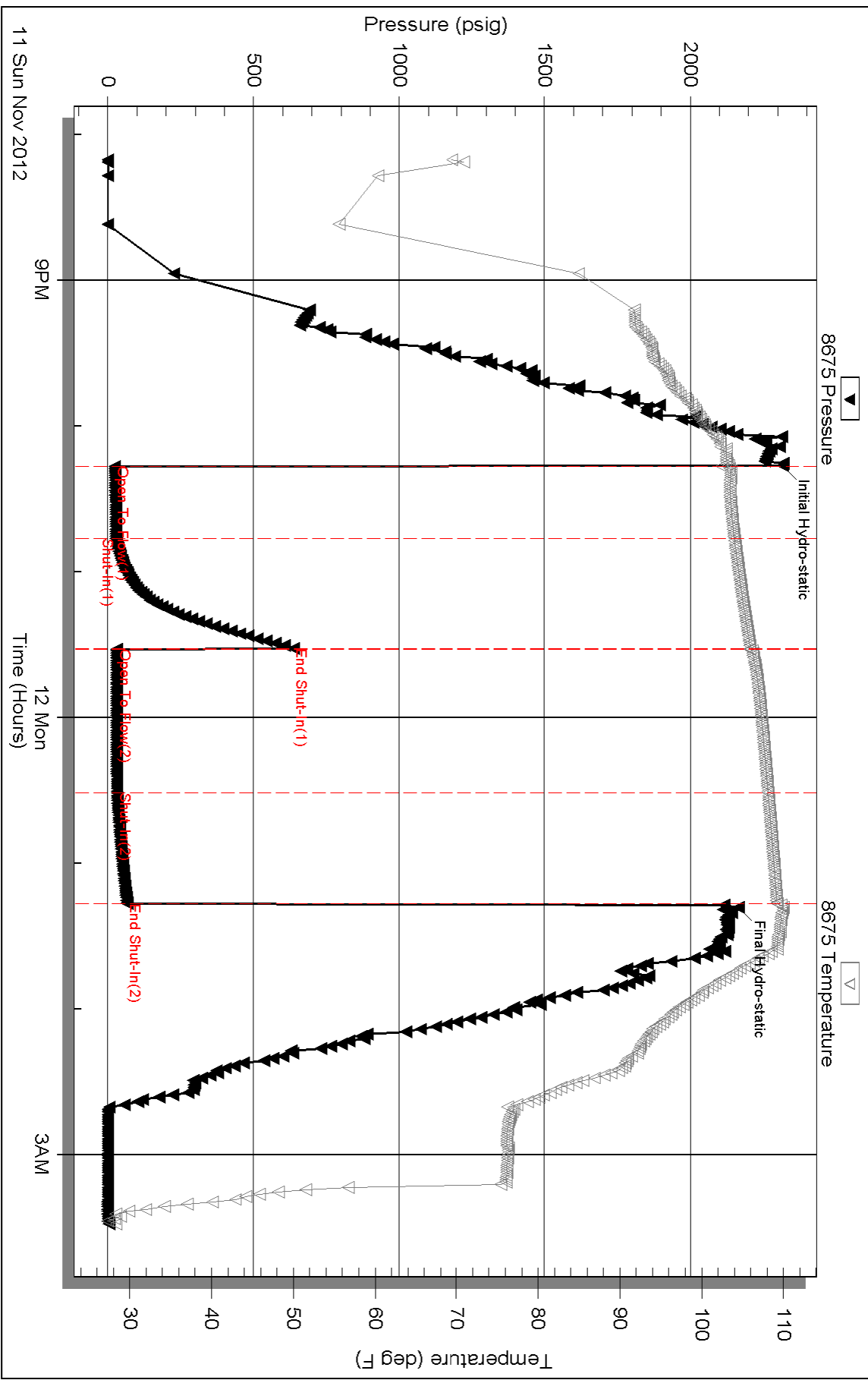
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

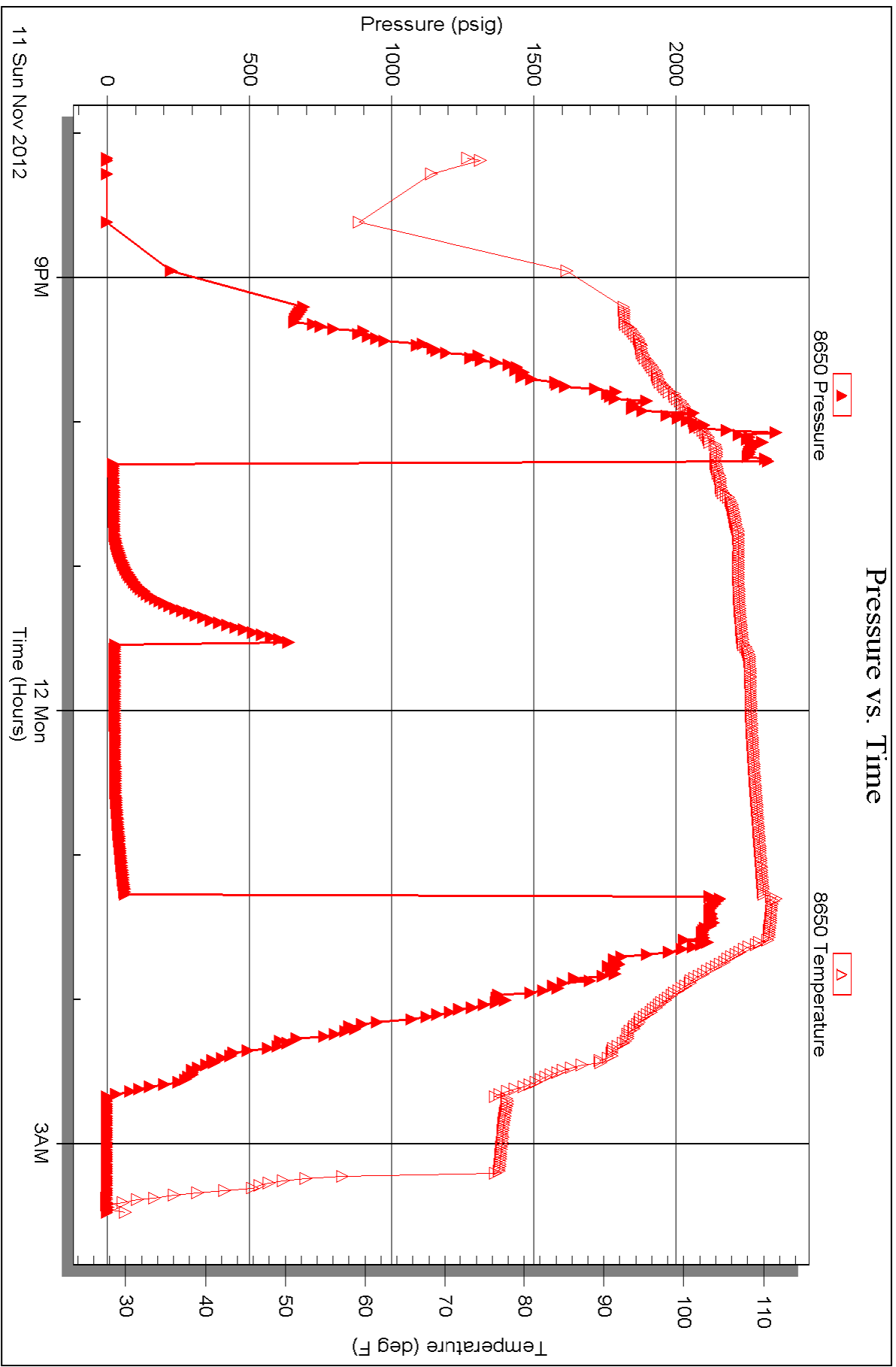


Serial #: 8650

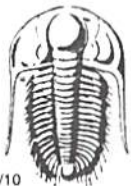
Outside Abercrombie Energy, LLC

Moore #1-9

DST Test Number: 4







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48920

Well Name & No. Moore 1-9 Test No. 1 Date 11/8/12 11/9/12  
 Company Abercrombie Energy, LLC Elevation 3069 KB 3059 GL  
 Address 10209 W Central, STE 2 Wichita KS, 67212  
 Co. Rep / Geo. Wes Hanson Rig Val Energy Rig 7  
 Location: Sec. 9 Twp. 20S Rge. 34W Co. Scott State KS

Interval Tested 4298-4384 Zone Tested Kansas City "K: L"  
 Anchor Length 86 Drill Pipe Run 4294.89 Mud Wt. 9.3  
 Top Packer Depth 4294 Drill Collars Run \_\_\_\_\_ Vis 48  
 Bottom Packer Depth 4298 Wt. Pipe Run \_\_\_\_\_ WL 9.6  
 Total Depth 4384 Chlorides 6,000 ppm System LCM 3#

Blow Description B.O.B. in 24 min.  
Bled off for 5 min. No return below  
B.O.B. in 28 min.

Bled off for 5 min. No return below

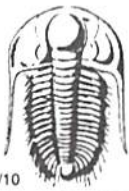
Rec	Feet of	%gas	%oil	%water	%mud
<u>76</u>	<u>Feet of wcm</u>		<u>10</u>	<u>90</u>	
<u>310</u>	<u>Feet of mcw</u>		<u>60</u>	<u>40</u>	
<u>124</u>	<u>Feet of mcw</u>		<u>90</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 510 BHT 115 Gravity \_\_\_\_\_ API RW 30 @ 60 ° F Chlorides 30,000 ppm

(A) Initial Hydrostatic 2,198  Test 1250 T-On Location 19:25  
 (B) First Initial Flow 25  Jars 250 T-Started 22:40  
 (C) First Final Flow 122  Safety Joint 75 T-Open 4:50  
 (D) Initial Shut-In 1,128  Circ Sub N/C T-Pulled 8:35  
 (E) Second Initial Flow 126  Hourly Standby 5 hrs 500 T-Out 10:57  
 (F) Second Final Flow 259  Mileage 50 RT 77.50 Comments They tighten stands  
 (G) Final Shut-In 1,105  Sampler \_\_\_\_\_ to tight had to wait on  
 (H) Final Hydrostatic 2,140  Straddle \_\_\_\_\_ welder to heat up break loose  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Shale Packer \_\_\_\_\_  
 Final Flow 60  Extra Packer \_\_\_\_\_  
 Final Shut-In 90  Extra Recorder \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2152.50 MP/DST Disc't \_\_\_\_\_

Approved By Wesley Hanson Our Representative [Signature]

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. 48921

Well Name & No. Moore 1-9 Test No. 2 Date 11/10/12  
 Company Abercrombie Energy, LLC Elevation 3069 KB 3059 GL  
 Address 10209 W Central, STE 2 Wichita 145, 67212  
 Co. Rep / Geo. Wes Hansen Rig Val Energy Rig 7  
 Location: Sec. 9 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4483 - 4500 Zone Tested Marmaton  
 Anchor Length 17 Drill Pipe Run 4482.59 Mud Wt. 9.3  
 Top Packer Depth 4479 Drill Collars Run \_\_\_\_\_ Vis 54  
 Bottom Packer Depth 4483 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4500 Chlorides 5,300 ppm System LCM 2

Blow Description B.O.B. in 1 min.  
Bled off for 5 min. B.O.B. in 12 min.  
B.O.B. 2 1/2 min.  
Bled off for 5 min. B.O.B. in 23 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>2108 Feet Gas In Pipe</u>				
<u>640</u>	<u>600</u>	<u>10%</u>	<u>90</u>		
<u>620</u>	<u>600</u>	<u>30%</u>	<u>70</u>		
<u>864</u>	<u>600</u>	<u>15%</u>	<u>85</u>		
<u>186</u>	<u>MCW000</u>	<u>30%</u>	<u>40</u>	<u>20</u>	<u>10</u>
Rec Total <u>2310</u>	BHT <u>121</u>	Gravity <u>34</u>	API RW <u>20 @ 70</u>	°F Chlorides <u>35,000</u>	ppm

(A) Initial Hydrostatic	<u>2,262</u>
(B) First Initial Flow	<u>107</u>
(C) First Final Flow	<u>373</u>
(D) Initial Shut-In	<u>1,150</u>
(E) Second Initial Flow	<u>392</u>
(F) Second Final Flow	<u>746</u>
(G) Final Shut-In	<u>1,145</u>
(H) Final Hydrostatic	<u>2,172</u>

- Test 1250
  - Jars 250
  - Safety Joint 75
  - Circ Sub N/C
  - Hourly Standby 1hr .75 75
  - Mileage 50 RT 77.50
  - Sampler
  - Straddle
  - Shale Packer
  - Extra Packer
  - Extra Recorder
  - Day Standby
  - Accessibility
- Sub Total 1727.50

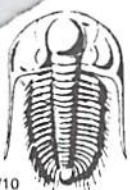
T-On Location 3:10  
 T-Started 4:15  
 T-Open 6:36  
 T-Pulled 10:22  
 T-Out 13:55  
 Comments went over 10 hrs  
dumping fluid

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies

Sub Total 0  
 Total 1727.50  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 90

Approved By Wesley Hansen Our Representative [Signature]  
 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. 48922

Well Name & No. Moose 1-9 Test No. 3 Date 11/11/12  
 Company Abercrombie Energy, LLC Elevation 3069 KB 3059 GL  
 Address 10209 W Central, STE 2 Wichita KS, 67212  
 Co. Rep / Geo. Wes Hansen Rig Val Energy Rig 7  
 Location: Sec. 9 Twp. 20S Rge. 34W Co. Scott State KS

Interval Tested 4540 - 4563 Zone Tested Pawnee (Beymar)  
 Anchor Length 23 Drill Pipe Run 4544.66 Mud Wt. 9.3  
 Top Packer Depth 4536 Drill Collars Run \_\_\_\_\_ Vis 54  
 Bottom Packer Depth 4540 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4563 Chlorides 6,000 ppm System LCM 3#  
 Blow Description Weak surface below, Diced in 20 min.  
No return below  
No below  
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Mud with few oil spots</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 75 BHT 110 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,204  Test 1250 T-On Location 1:40  
 (B) First Initial Flow 55  Jars 250 T-Started 3:20  
 (C) First Final Flow 56  Safety Joint 75 T-Open 6:28  
 (D) Initial Shut-In 78.6  Circ Sub N/C T-Pulled 8:28  
 (E) Second Initial Flow 56  Hourly Standby T-Out 10:21  
 (F) Second Final Flow 57  Mileage 50 RT 77.50 Comments with a bridge  
 (G) Final Shut-In 617  Sampler last stand going in.  
 (H) Final Hydrostatic 2,188  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 0  
 Day Standby Total 1652.50  
 Accessibility MP/DST Disc't \_\_\_\_\_  
 Sub Total 1652.50

Approved By Wesley Hansen Our Representative [Signature]

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. 48923

Well Name & No. Moore 1-9 Test No. 4 Date 11/11/12 11/12/12  
 Company Aker Crombie Energy, LLC Elevation 3069 KB 3059 GL  
 Address 10209 W Central, STE 2 Wichita 115, 67212  
 Co. Rep / Geo. Wes Hansen Rig Val Energy Rig 7  
 Location: Sec. 9 Twp. 20S Rge. 34W Co. Scott State K5

Interval Tested 4564 - 4595 Zone Tested Fort Scott (Johnson)  
 Anchor Length 31 Drill Pipe Run 4544.66 Mud Wt. 9.3  
 Top Packer Depth 4560 Drill Collars Run \_\_\_\_\_ Vis 57  
 Bottom Packer Depth 4564 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4595 Chlorides 7,500 ppm System LCM 2#

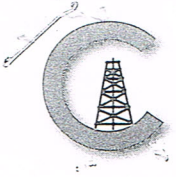
Blow Description Built to 1" below  
No return below  
Weak surface below  
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud with oil spots</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2,317</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>19:20</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>20:10</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:16</u>
(D) Initial Shut-In <u>637</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1:17</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>3:29</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>50AT</u> 77.50	Comments _____
(G) Final Shut-In <u>666</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2,164</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>600</u>	<input type="checkbox"/> Extra Recorder	Total <u>1652.50</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input checked="" type="checkbox"/> Accessibility	
	Sub Total <u>1652.50</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]  
 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.



**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 # 265705

Invoice Date: 01/30/2014 Terms: 10/10/30,n/30

Page 1

ABERCROMBIE ENERGY  
5510 OIL CENTER ROAD SOUTH  
GREAT BEND KS 67530  
(620)793-8186

RECEIVED  
FEB - 6 2014  
WICHITA

MOORE A 1-4  
43095  
9-20-34  
01-29-2014  
KS

RECEIVED  
FEB - 3 2014  
GREAT BEND

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	210.00	18.5500	3895.50
1102	CALCIUM CHLORIDE (50#)	592.00	.9400	556.48
1118B	PREMIUM GEL / BENTONITE	394.00	.2700	106.38
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-455.84
9995-130	CEMENT EQUIPMENT DISCOUNT	-250.18

Description	Hours	Unit Price	Total
693 TON MILEAGE DELIVERY	1.00	1036.80	1036.80
57 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
57 EQUIPMENT MILEAGE (ONE WAY)	60.00	5.25	315.00

INVOICE NUMBER \_\_\_\_\_  
 MONTH QUARTER \_\_\_\_\_  
 BILL TO COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 1352062 \_\_\_\_\_  
 MOORE A 1-4 \_\_\_\_\_  
 CEMENT SURFACE CSG \_\_\_\_\_

Amount Due 7431.66 if paid after 03/01/2014

Parts:	4558.36	Freight:	.00	Tax:	334.35	AR	6688.49
Labor:	.00	Misc:	.00	Total:	6688.49		
Sublt:	-706.02	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

265705

TICKET NUMBER 43095

LOCATION Oakley, KS

FOREMAN Dave Rotsloff

*Jerry Yates*

PO Box 384, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-29-14	1112	Moore A 1-4	9	20	34	Scott
CUSTOMER			K5			
Abercrombie Energy			Scott			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
10209 W central st. 2			057	Travis		
CITY			693	Jeremy		
Wichita			Helper	Jeff		
STATE	ZIP CODE	Scott city south to rd 40. west to charoee rd. 1/2 way north into				
KS	67212					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 345 CASING SIZE & WEIGHT 8 5/8 24'  
 CASING DEPTH 330, 35 DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER 20  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 20.7 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Val Rig 4. Rig up pump truck. Break circulation with rig mud pump. mix 210 sks of class A cement 3% cc 2% gal. Displace 20.7 ABls of water. Shut in wash pump and lines. Rig Down. Cement did circulate. Job complete

Thank you Dave & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE	1150	1150.00 ✓
5406	66	MILEAGE	5.25	346.50 ✓
5407a	9.87	Top mileage Delivery	1.75	172.725 ✓
1104s	210 sks	Class A cement	18.55	3895.50 ✓
1102	592	Calcium Chloride	.94	556.48 ✓
1118.0	394	Bentonite	.27	106.38 ✓
1111	100	salt		
			706	706.02 ✓
			less 10%	635.41 ✓
<input checked="" type="checkbox"/> completed				
			8.15	334.35 ✓
			SALES TAX	334.35 ✓
			ESTIMATED TOTAL	6688.49 ✓

AUTHORIZATION \_\_\_\_\_

TITLE *[Signature]*

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

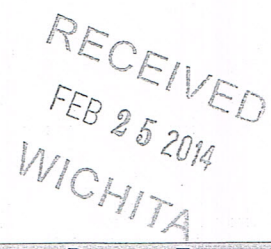


# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 141383  
Invoice Date: Feb 12, 2014  
Page: 1

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



Bill To:
Abercrombie Energy, LLC 5510 Oil Center RD South Great Bend, KS 67530

Customer ID	Field Ticket #	Payment Terms	
Aber	62558	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Feb 12, 2014	3/14/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Moore A #1-9		
300.00	CEMENT MATERIALS	ASC	20.90	6,270.00
1,500.00	CEMENT MATERIALS	Gilsonite	0.98	1,470.00
12.00	CEMENT MATERIALS	WFR-II	58.70	704.40
383.93	CEMENT SERVICE	Cubic Feet Charge	2.48	952.15
1,106.00	CEMENT SERVICE	Ton Mileage Charge	2.60	2,875.60
1.00	CEMENT SERVICE	Production Casing	3,149.78	3,149.78
66.00	CEMENT SERVICE	Pump Truck Mileage	7.70	508.20
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
66.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	290.40
1.00	EQUIPMENT SALES	5-1/2 Port Collar	3,590.00	3,590.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Assembly	660.00	660.00
11.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	627.00
3.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,185.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

1352062  
MOORE A 1-9  
CEMENT 5 1/2 CSG / PORT COLLAR  
APPROVAL

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

\$ 3,299.11

ONLY IF PAID ON OR BEFORE  
Mar 9, 2014

Subtotal	23,102.53
Sales Tax	1,226.69
Total Invoice Amount	24,329.22
Payment/Credit Applied	
<b>TOTAL</b>	<b>24,329.22</b>

# ALLIED OIL & GAS SERVICES, LLC 062558

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

*Dakley, TX*

DATE <i>9/12/14</i>	SEC <i>9</i>	TWP. <i>20</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>10:30</i>	JOB FINISH <i>11:30</i>
MOORE LEASE <i>A</i>	WELL # <i>1-9</i>	LOCATION <i>Shallow Water 9W 35 1/2W</i>			COUNTY <i>960th</i>	STATE <i>TX</i>	
OLD OR NEW (Circle one) <input checked="" type="radio"/> NEW				<i>1/4 W WINDS</i>			

CONTRACTOR <i>Val 4</i>	OWNER
TYPE OF JOB <i>Prod.</i>	
HOLE SIZE _____ T.D. _____	CEMENT
CASING SIZE <i>5 1/2</i> DEPTH <i>5009'</i>	AMOUNT ORDERED: <i>300 11L ASC 10909LBS</i>
TUBING SIZE _____ DEPTH _____	<i>2 Regal 5# Gelsanta</i>
DRILL PIPE _____ DEPTH _____	
TOOL <i>Part Collar</i> DEPTH <i>2278'</i>	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <i>42.13</i>	GEL _____ @ _____
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT <i>118 1/2 BBL</i>	ASC <i>300</i> @ <i>20.00</i> <i>6200.00</i>

EQUIPMENT

PUMP TRUCK CEMENTER <i>Alan Ryan</i>	
# <i>423-281</i> HELPER <i>Kevin Ryan</i>	
BULK TRUCK	
# <i>373</i> DRIVER <i>Brandon Wilkinson</i>	
BULK TRUCK	
# _____ DRIVER _____	

<i>Gelsanta</i> <i>1500lb</i> @ <i>2.98</i> <i>1470.00</i>
<i>WPT II</i> <i>1200L</i> @ <i>5.80</i> <i>704.00</i>
HANDLING <i>388.930P</i> @ <i>2.42</i> <i>952.15</i>
MILEAGE <i>2.00</i> <i>16.25P</i> @ <i>16.25</i> <i>2875.00</i>
TOTAL <i>12272</i>

REMARKS:

*Run Log Gradate Plug RH 30 MH 20*

*Run 1200L WPT II*

*Run 250 5/8" ASC 1090 Sweet 20 Regal 5# Gelsanta*

*Down 5 1/2*

*Wash up*

*Displace Plug w/ 118 1/2 BBL H<sub>2</sub>O*

*11 1/2" PSE 1900' Land Plug @ 1900 PSE*

*float head.*

*Thank You Alan, Kevin, Brandon*

SERVICE

DEPTH OF JOB _____	<i>5000'</i>
PUMP TRUCK CHARGE _____	<i>3149.78</i>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <i>6.0</i> @ <i>7.20</i> <i>508.20</i>	
MANIFOLD <i>Head</i> @ <i>2.25</i> <i>225.00</i>	
<i>1200L WPT II</i> @ <i>4.00</i> <i>290.00</i>	
TOTAL <i>4223.38</i>	

CHARGE TO: *Abascoombie*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<i>Part Collar</i> 1 @ <i>3590.00</i>
<i>11 1/2" float shoe</i> 1 @ <i>545.00</i>
<i>1200L WPT II</i> 1 @ <i>660.00</i>
<i>Central neck</i> 1 @ <i>57.00</i> <i>627.00</i>
<i>2000L</i> 3 @ <i>395.00</i> <i>1185.00</i>
TOTAL <i>6607.00</i>

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

PRINTED NAME *Jason Schuler*

SIGNATURE *Jason Schuler*

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES *23,102.55*

DISCOUNT *3,299.11* IF PAID IN 30 DAYS

*19,803.44 Net.*

COPY



**SELECTED FORMATION TOPS**

Formation Name	Sample	Log
...	...	...

**SUMMARY COMMENTS**

Due to the positive results of drill stem tests no.5 and no.6, it was recommended and decided that casing be run to further test this well.

Evaluation during the drilling of this well was difficult due to the extreme cold weather conditions which caused multiple other problems. Sample quality was fair overall with several instances where samples were very poor due to instantly frozen water lines leading to missed or corals of samples or valves. Mechanical problems with the geograph and/or auto driller led to erroneous drilling time and pierce/ completion in several sections.

**DRILL STEM TESTS**

**DST no.1: 4174-4215 ( Kansas City 'I' zone )**  
 1st open: Blow off bottom 18 min.; No blow back  
 2nd open: Blow off bottom 20 min.; No blow back  
 TIMES: 30-45-60-45  
 RECOVERY: 618' Total Fluid  
 60' Muddy Wtr (sulfur odor); (90% wtr; 10% mud)  
 557' Wtr; (100% wtr);  
 (57000 ppm Cl; Rw= 241 @39 deg. F)  
 ISIP: 1074 FSIP: 1073  
 IFPs: 21/120 FFPS: 123/292  
 IHP: 2062 FHP: 2026  
 BHT: 106 deg. F

**Dst no.2: 4226-4250 (Kansas City 'I' zone)**  
 1st open: Blow off bottom 45 sec. - no blowback  
 2nd open: blow bottom 2.5 min. - no blowback  
 TIMES: 30-30-30-30  
 RECOVERY: 2303 ft. total fluid  
 258' water mud; 30% wtr; 70% mud  
 2045' sulfur water  
 (57000 ppm Cl; Rw= 241 @39 deg. F)  
 ISIP: 1071 FSIP: 1079  
 IFPs: 340/872 FFPS: 1063/1079  
 IHP: 2082. FHP: 2102. BHT:117 deg. F

**DST no.3: 4314-4380 ( Kansas City 'K & L' zones )**  
 1st open: Blow off bottom 45 sec.; No blow back  
 2nd open: Blow off bottom 1 min.; No blow back  
 TIMES: 15-30-15-30  
 Recovery: 2075' Total Fluid  
 340' Muddy Wtr; (60% wtr; 40% mud)  
 1735' Wtr; (95% wtr; 5% mud);  
 (50,000 ppm Cl; Rw= 205 ohm @ 53 deg. F)  
 ISIP: 1108 FSIP: 1108  
 IFPs: 397/774 FFPS: 795/984  
 IHP: 2140 FHP: 2121  
 BHT: 118 deg. F

**Dst no.4: 4409-4470 (Pleasanton and Marmaton 'A'zn)**  
 1st open: blow off bottom 30 sec. - no blowback  
 2nd open: blow off bottom 45 sec. - no blowback  
 TIMES: 15-30-15-30  
 RECOVERY: 2447 ft. total fluid  
 31' Oil spotted water mud; 30% wtr; 70% mud  
 248' water mud; 40% wtr; 60% mud  
 2168' muddy wtr (w/sulfur odor)  
 (76,000 ppm Cl; Rw=200 ohms @36 deg. F.)  
 ISIP: 1163 FSIP: 1164  
 IFPs: 450/913 FFPS: 924/1133  
 IHP: 2191 FHP: 2214  
 BHT:117 deg. F

**Dst no.5: 4457-4501 (Marmaton 'C'zn)**  
 1st open: blow off bottom 1 min.  
 2nd open: blow bottom of bucket 9 min.  
 3rd open: blow off bottom 1 min.  
 4th open: 615 40 min. - blowback bottom of bucket 8 min.  
 TIMES: 30-60-45-90  
 RECOVERY: 1238 ft. total fluid; 3202' GIP  
 62' Gassy Oil; 20% gas; 80% oil  
 310' Gassy Oil; 40% gas; 60% oil  
 186' GMCCO; 30% gas; 65% oil  
 370' GMCCO; 30% gas; 40% oil  
 ISIP: 800 FSIP: 791  
 IFPs: 120/307 FFPS: 481/791  
 IHP: 2210 FHP: 2188  
 BHT:119 deg. F

**Dst no.6: 4498-4535 (Marmaton 'D'zn)**  
 1st open: blow off bottom 1 min.  
 2nd open: blow bottom of bucket 17 min.  
 3rd open: blow off bottom 1 1/2 min.  
 4th open: blowback bottom of bucket 24 min.  
 TIMES: 30-60-45-90  
 RECOVERY: 1792 ft. total fluid; 1250' GIP  
 120' Clean Gassy Oil; 35% gas; 65% oil  
 434' Gas, Wtr, & Mid cut Oil; 30% gas; 15% water 25% mud  
 310' Gas & Oil Cut muddy wtr; 5% gas; 10% oil; 55% wtr; 30% mud  
 434' Gas & Oil spotted muddy wtr; 5% gas; 80% wtr; 10% mud  
 494' Oil spotted mdy water; 100% water (sulfur odor)  
 Oil Gravity: 34; Rw= 170 @38 deg.; Cl: 80,000 ppm  
 ISIP: 1078 FSIP: 1087  
 IFPs: 174/524 FFPS: 184/1846  
 IHP: 2187 FHP: 2187  
 BHT:121 deg. F

**Dst no.7: 4547-4584 (Beymer - Johnson zn)**  
 1st open: Maximum 1" blow - no blowback  
 2nd open: no blow  
 TIMES: 30-60-30-60  
 RECOVERY: 40' VSOCM; 2% oil; 98% mud  
 ISIP: 1007 FSIP: 1067  
 IFPs: 19/30 FFPS: 34/37  
 IHP: 2246 FHP: 2246  
 BHT: 109 deg. F

**Dst no.8: 4686-4773 (Lower Pennsylvanian Lm)**  
 1st open: Weak blow; built to 1"  
 Shut-in; built to 2" inch on blowback; (odd)  
 no blow; (NOTE: unsure if tool ever shut-in;  
 appears tool did not shut in fully on second  
 shut-in or 1st shut-in pressure depleted on  
 1st shut-in; no plugging)  
 TIMES: 30-60-30-30  
 RECOVERY: 35' Oil spotted mud; 100% mud  
 ISIP: 709 FSIP: 537  
 IFPs: 23/31 FFPS: 32/33  
 IHP: 2357 FHP: 2317  
 BHT: 110 deg. F

**LEGEND**

SHALE CARBONACEOUS SHALE SILTSTONE SANDSTONE LIMESTONE OOLITIC LIMESTONE DOLOMITE ANHYDRITE CHERT GRANITE

**LIBRARY**

**LIBRARY**

Depth (ft)	Lithology	Sample Descriptions	Comments, DSTs, etc.
2250			Anhydrite 2269 (+819) elog 2272 (-816)
2300			Base/Anh 2283 (+805) elog 2285 (+803)
3600			Heebner 3946 (-858) elog 3953 (-865)
4000			Lansing 4002 (-914) elog 4002 (-914)
4200			Muncie Ck 4190 (-1102) elog 4194 (-1106)
4300			Stark 4302 (-1214) elog 4308 (-1220)
4400			BKC 4443 (-1355) elog 4448 (-1360)
4500			Marmaton 4467 (-1379) elog 4473 (-1385)
4600			Cherokee 4603 (-1515) elog 4607 (-1519)
4700			Morrow Sh 4784 (-1696) elog 4790 (-1702)
4800			Morrow Sh 4819 (-1731) elog 4824 (-1736)
4900			Ero. Miss 4830 (-1742) elog 4834 (-1746)
5000			Mississippian 4879(-1801) elog 4884 (-1796)



PO Box 93999  
Southlake, TX 76092

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

RECEIVED

MAR - 5 2014

WICHITA

# INVOICE

Invoice Number: 141504

Invoice Date: Feb 18, 2014

Page: 1



<b>Bill To:</b>
Abercrombie Energy, LLC 5510 Oil Center RD South Great Bend, KS 67530

Customer ID	Field Ticket #	Payment Terms	
Aber	62548	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Feb 18, 2014	3/20/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Moore A #1-9		
325.00	CEMENT MATERIALS	Light Weight	15.95	5,183.75
10.00	CEMENT MATERIALS	Cottonseed Hulls	35.00	350.00
81.00	CEMENT MATERIALS	Flo Seal	2.97	240.57
519.10	CEMENT SERVICE	Cubic Feet Charge	2.48	1,287.37
1,382.70	CEMENT SERVICE	Ton Mileage Charge	2.60	3,595.02
1.00	CEMENT SERVICE	Port Collar	2,483.59	2,483.59
66.00	CEMENT SERVICE	Pump Truck Mileage	7.70	508.20
66.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	290.40
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	CEMENT SUPERVISOR	Andrew Forslund		
		1352008		
		MOORE A #1-9		
		CEMENT PORT COLLAR		
		APPROVAL		
		VERIFIED ACCURACY		

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

\$ 2,787.78

ONLY IF PAID ON OR BEFORE  
Mar 15, 2014

Subtotal	13,938.90
Sales Tax	470.61
Total Invoice Amount	14,409.51
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,409.51</b>

# ALLIED OIL & GAS SERVICES, LLC 062548

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>2-18-19</u>	SEC. <u>9</u>	TWP. <u>20</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>10:00 am</u>	JOB START <u>1:00 pm</u>	JOB FINISH <u>2:00 pm</u>
LEASE: <u>Moore #7</u>		WELL# <u>1-9</u>		LOCATION <u>Shallow water 9w,</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>33 1/2 w, Vent, winds</u>			

CONTRACTOR Cheyenne Well Service OWNER same  
TYPE OF JOB Production (Port Collar)

HOLE SIZE _____	T.D. _____	CEMENT AMOUNT ORDERED <u>450 SK Lite 14 # 50 # seal</u>
CASING SIZE _____	DEPTH _____	<u>500 # fulls</u>
TUBING SIZE <u>2 7/8</u>	DEPTH <u>2278'</u>	
DRILL PIPE _____	DEPTH _____	
TOOL <u>Port Collar</u>	DEPTH <u>2278'</u>	
PRES. MAX _____	MINIMUM _____	
MEAS. LINE _____	SHOE JOINT _____	
CEMENT LEFT IN CSG. _____		
PERFS. _____		
DISPLACEMENT _____		

EQUIPMENT			
PUMP TRUCK CEMENTER <u>Harold E. Evers</u>	<u>Collared Balls 10 SK</u>	@ <u>35.00</u>	<u>350.00</u>
# <u>431</u> HELPER <u>Andrew Forslund</u>	<u>Ho seal 81 #</u>	@ <u>2.97</u>	<u>240.57</u>
BULK TRUCK # <u>376/306</u> DRIVER <u>Juan Tamer (PWS)</u>		@ _____	_____
BULK TRUCK # _____ DRIVER _____		@ _____	_____
HANDLING <u>519.1</u> <u>ff</u>	@ <u>2.48</u>		<u>1287.32</u>
MILEAGE <u>20.95 hr X 66 X 2.60</u>			<u>3595.02</u>
			TOTAL <u>10656.71</u>

REMARKS:  
Test Port Collar 1000ft, Open port collar mix 325 SK cement. Displace with water cement to surface, close port collar & test 1000ft. Hold, Washout.

Thank you

CHARGE TO: Abercrombie  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE	
DEPTH OF JOB <u>2278'</u>	
PUMP TRUCK CHARGE	<u>2483.59</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>MICU 66</u>	@ <u>7.70</u> <u>508.20</u>
MANIFOLD _____	@ _____
<u>MICU 66</u>	@ <u>4.40</u> <u>290.40</u>
TOTAL <u>3282.19</u>	

PLUG & FLOAT EQUIPMENT	
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
TOTAL _____	

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

PRINTED NAME Jason Schuler  
SIGNATURE Jason Schuler

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 13,938.90  
DISCOUNT 2,787.78 IF PAID IN 30 DAYS  
11,151.12 Net.

COPY