KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1067246

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5399
Name: American Energies Corporation
Address 1: 155 N MARKET STE 710
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: Mindy Wooten
Phone: (316) 201-1134
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: David Barker
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

10/17/2011	10/26/2011	10/27/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-151-22382-00-00
Spot Description:
_ - S2 - NW - SW Sec. 19 Twp. 29 S. R. 11 [ ] East [x] West
1650 Feet from [ ] North / [x] South Line of Section
660 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Pratt
Lease Name: Blackwelder Well #: 1-19
Field Name:
Producing Formation: None
Elevation: Ground: 1864 Kelly Bushing: 1874
Total Depth: 4720 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 330 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 39000 ppm Fluid volume: 1800 bbls
Dewatering method used: Evaporated
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:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrisor **Date:** 11/15/2011

Side Two

1067246

Operator Name: American Energies Corporation Lease Name: Blackwelder Well #: 1-19

Sec. 19 Twp. 29 S. R. 11 ☐ East ☑ West County: Pratt

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Micro Log
Dual Induction Log
Compensated Density/Neutron Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.6250	20	330	60/40 Poz	255	2% Gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Blackwelder 1-19
Doc ID	1067246

Tops

Name	Top	Datum
Onaga Shale	2725	-851
Wabaunsee	2818	-944
Stotler Lime	2947	-1083
Howard	3178	-1304
Topeka	3327	-1453
Kanwauka Shale	3500	-1626
Elgin	3472	-1498
Heebner Shale	3696	-1822
Lower Douglas Sand	3842	-1968
Brown Lime	3864	-1988
Stark Shale	4165	-2291
Hush Shale	4198	-2324
Cherokee Shale	4278	-2404
Mississippian	4350	-2476
Viola	4499	-2625
Base Viola	4590	-2716
Simpson Sand	4609	-2735
Arbuckle	4696	-2822

American Energies
Corporation

155 N. Market, Suite 710, Wichita, KS 67202
316-263-5785, 316-263-1851 fax

DRILLING REPORT
Blackwelder 1-19

AEC'S LEASE#: 10761159
LOCATION: S/2 NW SW Sec. 19-T29S-R11W
COUNTY: Pratt
API: 15-151-22382-0000
CONTRACTOR: Pickrell Drilling, Inc.
GEOLOGIST: David Barker – 259-4294
NOTIFY:
American Energies Corp.
Alan L. DeGood Family Trust
Dianne Y. DeGood Family Trust
Geoffrey Charles and Beth Ann Shafer
Hyde Resources, Inc.
Debbie Schmidt, LLC
Carl Dudrey Production, Fax Report to: 620-549-6221
Buffalo Creek Oil and Gas, LLC

SURFACE CASING: 8 5/8" 20# set @ 330'
PRODUCTION CASING:
PROJECTED RTD: 4700'
G.L.: 1864 **K.B.: 1874**
SPUD DATE: 10/17/11
COMPLETION DATE:

REFERENCE WELL:
AEC's Murphy 1-25
S/2 SW NE SE Section 25-T29S-R12W, Pratt Co.

FORMATION:	SAMPLE LOG:		COMPARISON: Murphy 1-25	ELECTRIC LOG TOPS:		COMPARISON: Murphy 1-25
Onaga Shale	2780	-906	-6	2725	-851	+9
Wabaunsee	2820	-946	Flat	2818	-944	+8
Stotler Lm	2964	-1090	Flat	2947	-1083	+6
Howard	3177	-1303	+12	3178	-1304	+11
Topeka	3322	-1448	+15	3327	-1453	+10
Kanwauka Sh	3502	-1628	+6	3500	-1626	+8
Elgin	3472	-1498	+8	3472	-1498	+8
Heebner Sh	3697	-1823	+3	3696	-1822	+3
Lower Douglas Sd	3839	-1964	+2	3842	-1968	-1
Brown Lm	3864	-1990	+6	3864	-1988	+8
Stark Shale	4168	-2294	+14	4165	-2291	+17
Hush shale	4200	-2326	+14	4198	-2324	+16
Cherokee Shale	4280	-2406	+14	4278	-2404	+16
Mississippian	4350	-2476	+14	4350	-2476	+14
Viola	4504	-2630	+12	4499	-2625	+17
Base Viola	4580	-2706	-1	4590	-2716	-11
Simpson Sand				4609	-2735	-9
Arbuckle				4696	-2822	-15
RTD	4720					
LTD	4722					

10/17/11 Pickrell Drilling, Rig #1, MIRT, RURT, Spud at 9:45 p.m. Drilled 12 ¼" surface hole to 335' KB. SHT @ 335' = ¾ degree. Ran in 7 jts New 8 5/8" 20# surface casing set @ 330' (tally was 318'), cemented w/255 sx of 60/40 poz, 2% gel, 3% CC. PD 4:00 a.m. 10/18/11. CDC. Allied#037745.
10/18/11 At 330' and WOC.
10/19/11 At 1255' and drilling ahead. SHT @ 845 = ¾ degree.
10/20/11 At 2222' and drilling ahead. Made bit trip @ 1817'. SHT @ 1817' = ½ degree.
10/21/11 Drlg. ahead @ 2980'. SHT @ 2897' = 1/4°.

10/22/11 At 3524' and testing.
Results DST #1: 3472 to 3524' Elgin Sand, Times: 30, 60, 30, 60
IF: strong blow BOB 1 min,
ISIP: no blow back,
FFP: strong blow BOB 30 sec,
FSI: weak blow back
REC: 1736 GIP, 60' watery mud (5% water and 95% mud), 120' muddy water (85% water 15% mud)
Chlorides 50,000 ppm, BHT: 112°
IHP: 1604 to 1502#
IFP: 31 to 92# & 69 to 82#
BHP: 1076# to 997#

10/23/11 At 3862' and drilling ahead.

10/24/11 At 4335' and drilling ahead.

10/25/11 At 4628' and drilling ahead.

10/26/11 At 4720' and evaluating electric logs. RTD: 4720', LTD: 4722'. Wellsite Geologist – circulated top 12' of Simpson Sand @ 4622' – no show, no gas increase from this interval.

We will be running a Straddle Drillstem Test over the Lower Douglas Sandstone from 3842 – 3850'. We had a 200 unit gas kick on the Hot Wire, however, there were no shows in the sample gas bubbles, or odor. The zone calculates 40% SW on the logs, with mudcake.

10/27/11 Ran Straddle test DST #2 3842 – 3850' (Lower Douglas Sandstone). Times: 45-60-45-90. Recovered 80' GCM (40% Gas, 60% Mud), IHP: 1852, IFP: 45-33, ISIP: 1128, FFP: 45-52, FSIP: 1241, FHP: 1817.

Plugging information as follows: 50 sx @ 4694', 50 sx @ 660', 50 sx @ 360', 20 sx @ 60', 30 sx in RH, 20 sx in MH of 60/40 Poz, 4% gel, w ¼# Floseal/sx. Allied Ticket # 037823. Plugging completed at 2:00 p.m. on 10/27/11. Plugging permission granted from Mike Maier on 10/24/11 at 9:15 a.m.

Meade 15-263-18521 20

ALLIED CEMENTING CO., LLC. 037823

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665.

SERVICE POINT: Medicine Lodge KS

DATE 10-27-11	SEC. 19	TWP. 29S	RANGE 11W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 2:00 D
LEASE Blackwell	WELL # 1-19		LOCATION Sawyer, KS 6E, 1/4N, E/into			COUNTY Pratt	STATE KS
OLD OR NEW (Circle one)							

KS1-03 tax all 7.3%

CONTRACTOR Peckrell #1
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D. 4760
CASING SIZE 8 5/8 DEPTH 333
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH 4703
TOOL DEPTH
PRES. MAX 600# MINIMUM —
MEAS. LINE SHOE JOINT —
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Fresh H2O & Drilling Mud

OWNER American Energies

CEMENT
AMOUNT ORDERED 220 sx 60:40:4% gel & ¼# Flosel

EQUIPMENT

PUMP TRUCK #414-302 CEMENTER D. Felio
HELPER R. Gilley
BULK TRUCK #364 DRIVER D. Felio
BULK TRUCK # DRIVER

COMMON A	132 sx	@ 16.25	2145.00
POZMIX	88 sx	@ 8.50	748.00
GEL	8 sx	@ 21.25	170.00
CHLORIDE		@	
ASC		@	
Flosel	55#	@ 2.70	148.50
HANDLING	230	@ 2.25	517.50
MILEAGE	230/15/.11		379.50
TOTAL			4108.50

REMARKS:
Drill Pipe at 4703', load hole, Pump 8 bbls Fresh, Mix 50 sx 60:40 cement, Disp w/ 3 bbls Fresh H2O & 6 bbls mud, Drill Pipe at 1660', load hole, Pump 8 bbls Fresh H2O, Spacer, Mix 50 sx 60:40 cement, Disp w/ 5 bbls Fresh H2O, Drill Pipe at 360', load hole, Pump 10 bbls Fresh H2O, Spacer, Mix 50 sx 60:40, Disp w/ 2 bbls Fresh H2O, Pull Pipe at 60', Mix 20 sx cement, Circ, Plug Rat Hole w/ 30 sx & Mouse Hole w/ 20 sx

SERVICE

DEPTH OF JOB 4703
PUMP TRUCK CHARGE 1250.00
EXTRA FOOTAGE @
MILEAGE 30 @ 7.00 210.00
MANIFOLD N/A @
@
@
TOTAL 1460.00

CHARGE TO: American Energies
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

NONE
@
@
@
@
@
TOTAL

To Allied Cementing Co., 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.

SALES TAX (If Any) 406.50
TOTAL CHARGES 5568.50
DISCOUNT 20% IF PAID IN 30 DAYS
NET 4454.80

PRINTED NAME Mike Kohn
SIGNATURE Mike Kohn

D 1113.70

ALLIED CEMENTING CO., LLC. 037745

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665.

SERVICE POINT: Medicine Lodge

DATE 10-18-11	SEC. 19	TWP. 29S	RANGE 11W	CALLED OUT	ON LOCATION	JOB START 3:30 am	JOB FINISH 4:30 am
LEASE Abelleweller	WELL # 1-19		LOCATION Sawyer, KS, 6 East, ½ North, Eastinto			COUNTY Pratt	STATE KS
OLD OR NEW (Circle one)							

KS1-01 M+E 7.3%

CONTRACTOR Pickrell Drilling Rig #1
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 335'
CASING SIZE 8 5/8 DEPTH 333'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 300 psi MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 20'
PERFS.
DISPLACEMENT 20 bbls H2O

OWNER American Energies

EQUIPMENT

PUMP TRUCK CEMENTER Matt B. (2)
414342 HELPER Ron Gillespie (2)
BULK TRUCK
381 DRIVER Arlon Miller (2)
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 255 sx 60:40:3% cc+2% gel

COMMON	A 153 sx	@ 16.25	2486.25
POZMIX	102 sx	@ 8.50	867.00
GEL	5 sx	@ 21.25	106.25
CHLORIDE	9 sx	@ 58.20	523.80
ASC		@	
HANDLING	269	@ 2.25	605.25
MILEAGE	269/.11/15		443.85
		TOTAL	5032.40

REMARKS:

Rig circ with Rig
Pump 3 bbls H2O ahead
Mix 255 sx cement
Shutdown, Release plug
Displ 20 bbls H2O Shut in
Cement did circulate

SERVICE

DEPTH OF JOB 333'
PUMP TRUCK CHARGE 1125.00
EXTRA FOOTAGE @
MILEAGE 30 @ 7.00 210.00
MANIFOLD Head Rental @ 100.00
Light Vehicle 30 @ 4.00 120.00
@
TOTAL 1455.00

CHARGE TO: American Energies
STREET
CITY STATE ZIP

8⅝ PLUG & FLOAT EQUIPMENT

Eliminator plug		@	92.00
		@	
		@	
		@	
		@	
		TOTAL	92.00

To Allied Cementing Co., 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 Mike Kelly

SIGNATURE Mike Kelly

SALES TAX (If Any) 297.50
TOTAL CHARGES 6779.40
DISCOUNT 20% IF PAID IN 30 DAYS
NET 5423.52

D 1355.88

DRILL STEM TEST REPORT

American Energies Corperation

155 N Market
Ste 710
Wichita KS 67202

ATTN: Karen Houseberg/ Dav

19-29s-11w

Blackwelder # 1-19

Job Ticket: 44069 **DST#: 1**

Test Start: 2011.10.22 @ 10:19:50

GENERAL INFORMATION:

Formation: **ELGIN**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:25:05
Time Test Ended: 17:24:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 34

Interval: 3472.00 ft (KB) To 3524.00 ft (KB) (TVD)
Total Depth: 3542.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

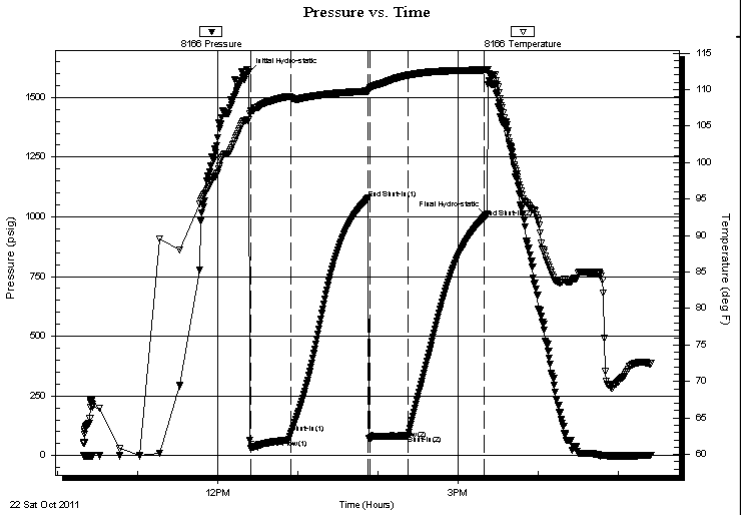
Reference Elevations: 1875.00 ft (KB)
1865.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 82.82 psig @ 3473.00 ft (KB)
Start Date: 2011.10.22 End Date: 2011.10.22
Start Time: 10:19:55 End Time: 17:24:19

Capacity: 8000.00 psig
Last Calib.: 2011.10.22
Time On Btm: 2011.10.22 @ 12:23:20
Time Off Btm: 2011.10.22 @ 15:20:50

TEST COMMENT: IF: Strong blow BOB 1 min
ISI: No blow back
FF: Strong blow BOB 30 sec
FSI: Weak blow 3/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.80	105.84	Initial Hydro-static
2	31.76	107.09	Open To Flow (1)
32	92.03	108.94	Shut-In(1)
90	1076.08	109.79	End Shut-In(1)
91	69.62	110.19	Open To Flow (2)
120	82.82	111.98	Shut-In(2)
177	997.44	112.70	End Shut-In(2)
178	1002.97	112.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1736' GIP	0.00
60.00	Watery Mudd 5% w ater 95% mud	0.30
120.00	Muddy Water 15% mudd 85% w ater	1.12

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corperation

155 N Market
Ste 710
Wichita KS 67202

ATTN: Karen Houseberg/ Dav

19-29s-11w

Blackwelder # 1-19

Job Ticket: 44069 **DST#: 1**

Test Start: 2011.10.22 @ 10:19:50

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:	50000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4500.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1736' GIP	0.000
60.00	Watery Mudd 5% water 95% mud	0.295
120.00	Muddy Water 15% mudd 85% water	1.118

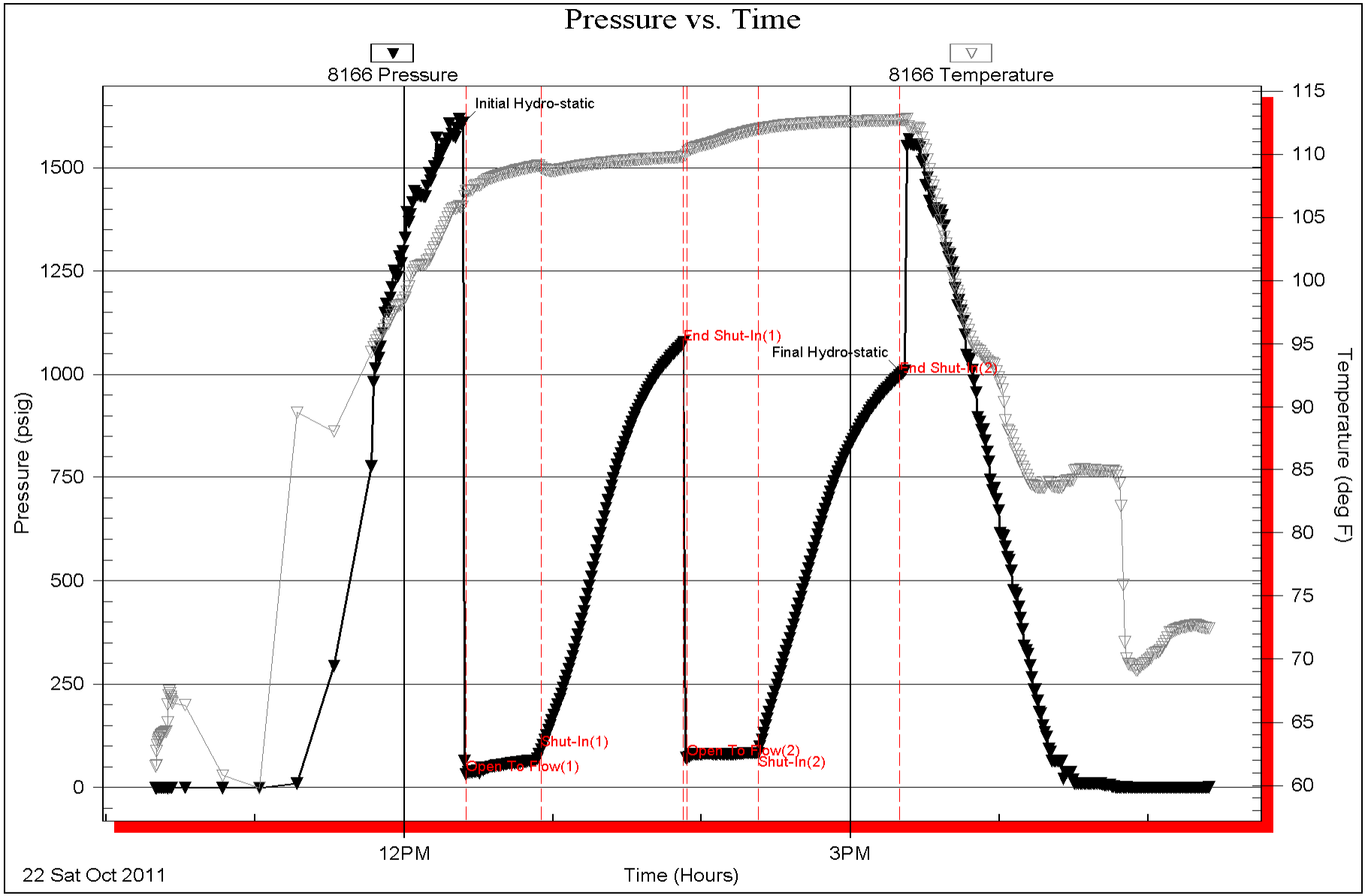
Total Length: 180.00 ft Total Volume: 1.413 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8166 **Outside** American Energies Corperation Blackwelder # 1-19 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 44069 Printed: 2011.10.23 @ 09:32:41

GENERAL INFORMATION

Client Information:

Company: AMERICAN ENERGIES

Contact: ALAN DeGOOD

Phone: Fax: e-mail:

Site Information:

Contact: DAVE BARKER

Phone: Fax: e-mail:

Well Information:

Name: BLACKWELD 1-19

Operator: AMERICAN ENERGIES

Location-Downhole:

Location-Surface: S19/29S/11W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: DAVE BARKER

Test Type: CONVENTIONAL

Job Number: D1046

Test Unit:

Start Date: 2011/10/26

Start Time: 16:00:00

End Date: 2011/10/27

End Time:

Report Date: 2011/10/27

Prepared By: JOHN RIEDL

Qualified By: DAVE BARKER

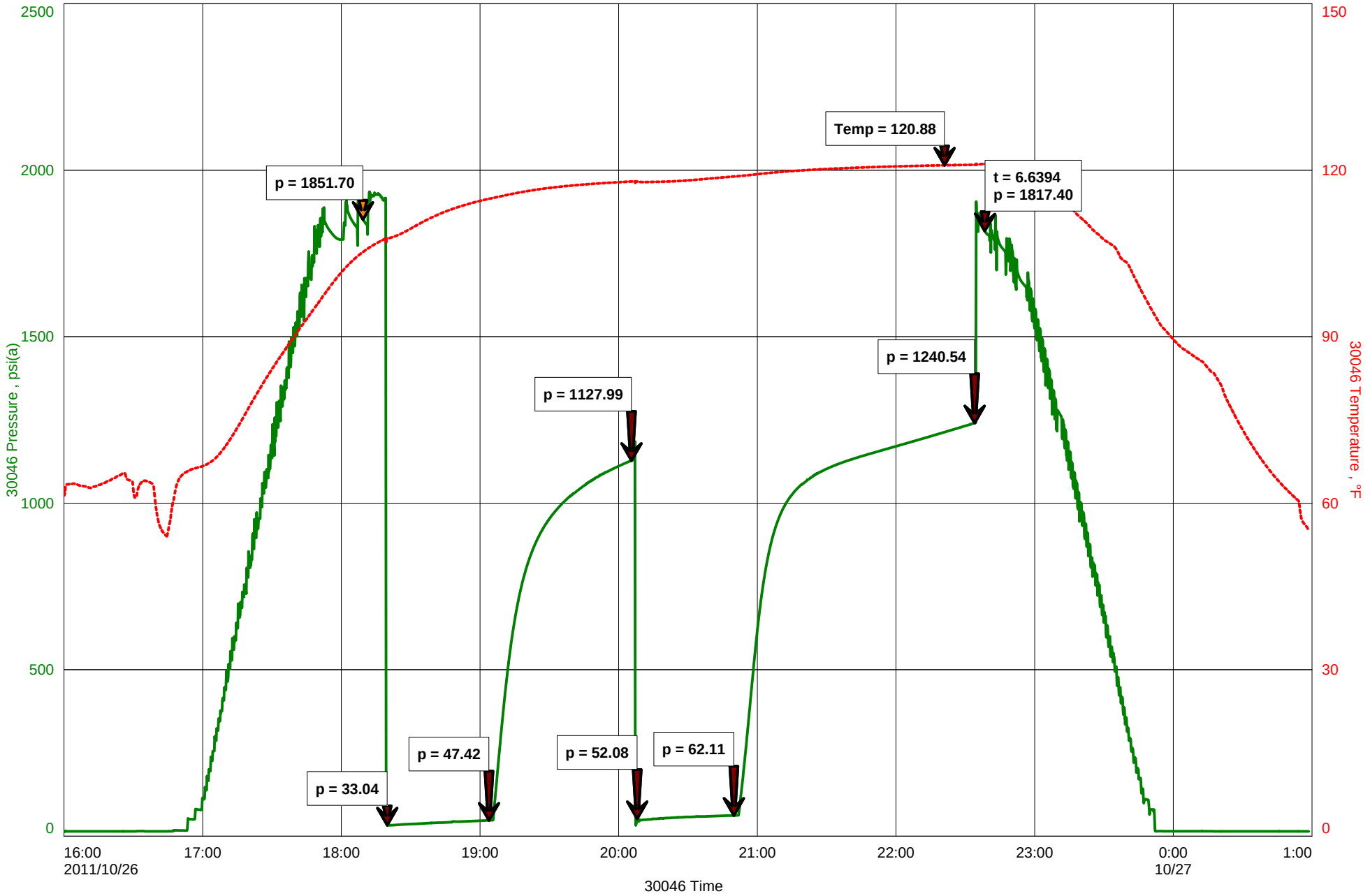
Remarks:

RECOVERY: 80' GAS CUT MUD

AMERICAN ENERGIES
Start Test Date: 2011/10/26
Final Test Date: 2011/10/27

BLACKWELD 1-19
Formation: DOUGLAS
Job Number: D1046

BLACKWELD 1-19



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 16:00 10/26/11
OFF 02:00 10/27/11

DRILL-STEM TEST TICKET

STC/Blackwelder1-19dst1

Company AMERICAN ENERGIES — Lease & Well No. BLACKWELDER 1-19

Contractor PICKRELL DRLG RIG 1 — Charge to AMERICAN ENERGIES

Elevation 1875 K.B — Formation DOUGLAS — Effective Pay ____ Ft. — Ticket No. D1046

Date 10/26/11/ — Sec. 19 — Twp. 29 S — Range 11 W — County BARBER — State KANSAS

Test Approved By DAVE BARKER — Diamond Representative JOHN C. RIEDL

Formation Test No. 2 — Interval Tested from 3842 ft. to 3852 ft. — Total Depth 4720 ft.

Packer Depth 3847 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 3852 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3823 ft. — Recorder Number 30046 — Cap. 60001 P.S.I.

Bottom Recorder Depth (Outside) 3834 ft. — Recorder Number 11073 — Cap. 4000 P.S.I.

Below Straddle Recorder Depth 4717 ft. — Recorder Number 11017 — Cap. 4000 P.S.I.

Mud Type CHEMICAL — Viscosity 47 — Drill Collar Length 120 ft. — I.D. 2 1/4 in.

Weight 9.3 — Water Loss 9.6 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 7,000 P.P.M. — Drill Pipe Length 3690 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #2 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out NO — Anchor Length 10 ft. — Size 4 1/2-FH in.

Main Hole Size 7 7/8 — Tool Joint Size 4 1/2 XH in. — Surface Choke Size 1 in. — Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 1 MINUTE) NO BB

2nd Open: STRONG (B.O.B IMMEDIATE) NO BB

Recovered 80 ft. of GCM (40%GAS 60%MUD)

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: TOTAL FLUID RECOVERY: 80' (80' IN DRILL COLLARS)

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 7:20 P.M A.M. P.M. — Time Started Off Bottom 4720 A.M. P.M. — Maximum Temperature 121

Initial Hydrostatic Pressure ..... (A) 1852 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 33 P.S.I. to (C) 47 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1128 P.S.I.

Final Flow Period ..... Minutes 45 (E) 52 P.S.I. to (F) 62 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 1241 P.S.I.

Final Hydrostatic Pressure ..... (H) 18171 P.S.I.