Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1235028

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 # 30337
Name: Special Energy Corp.
Address 1: PO DRAWER 369
Address 2:
City: STILLWATER State: OK Zip: 74076 + 0369
Contact Person: Don Terry
Phone: (405) 377-1177
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Larry Bond
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 #:

9/30/2014	10/07/2014	11/21/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-047-21649-00-00
Spot Description:
N2 - NE - SE - NW Sec. 20 Twp. 23 S. R. 19 ☐ East ☑ West
3795 Feet from ☐ North / ☑ South Line of Section
2310 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Edwards
Lease Name: HXP1 Well #: 4
Field Name:
Producing Formation: Towanda
Elevation: Ground: 2240 Kelly Bushing: 2251
Total Vertical Depth: 4775 Plug Back Total Depth: 4296
Amount of Surface Pipe Set and Cemented at: 860 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: 5800 ppm Fluid volume: 707 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

☑ **Confidentiality Requested**
Date: 12/11/2014
☑ **Confidential Release Date:** 12/10/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 12/12/2014

[redacted] 1235028

Operator Name: Special Energy Corp. Lease Name: HXP1 Well #: 4

Sec. 20 Twp. 23 S. R. 19 ☐ East ☑ West County: Edwards

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Micro Log
Dual Induction Log
Compensated Density/Neutron PE 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	8.625	24	860	60/40 poz	325	
Production	7.875	5.5	15.5	4300	SMD & EA-2	325	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: 2.875 Set At: 2490 Packer At: 2468

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:
2514-2520

Form	ACO1 - Well Completion
Operator	Special Energy Corp.
Well Name	HXP1 4
Doc ID	1235028

Tops

Name	Top	Datum
Chase	2399	-148
Towanda	2509	-258
Chase Base	2651	-400
Heebner Shale	3873	-1622
Lansing	3977	-1726
Lansing D	4050	-1799
Lansing H	4223	-1972
Bottom Kansas City	4367	-2116
Marmaton	4370	-2119
Pawnee	4443	-2192
Ft Scott	4514	-2263
Cherokee	4534	-2283
Mississippian	4564	-2313
Gilmore City Limestone	4620	-2369

Form	ACO1 - Well Completion
Operator	Special Energy Corp.
Well Name	HXP1 4
Doc ID	1235028

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5'	Shot, Acid	4208-4211 & 4216-4218
	CIBP		4200
4	3'	Shot, acid	4043-4046
	CIBP		4030
4	4'	Shot, acid	3972-3976
	CIBP		3950
4	6'	Shot	2514-2520

Form	ACO1 - Well Completion
Operator	Special Energy Corp.
Well Name	HXP1 4
Doc ID	1235028

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	860	60/40 poz	325	
Production	7.875	5.5	15.5	4300	SMD & EA-2	325	

JOB LOG — SWIFT Services, Inc.

DATE 30 SEP 14 | PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Special Energy	#4	XXP	cement deep surface	26597

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								325sk SMD cement w/ ¼# flocele TD=860'
								8⅝" 24# casing 20 jts - 857'
								Turbolizer 1, 6 shoe jt - 42.2'
	1300							on loc TRK 114
	1345							start 8⅝ x 24# casing in well
	1605							circulate well
	1632		12					Pump mudFlush - 500gal
			20					Pump KCl flush - 20bbl
	1642	4¾	55				200	mix SMD cement 100sk @ 11.2 ppg
		4¾	98				200	mix SMD cemnt 100sk @ 12.0 ppg
		4¾	127				200	mix SMD cemnt 75sk @ 12.5 ppg
		4¾	140				200	mix SMD cemnt 50sk @ 14.5 ppg
								325sk total
								Release plug
	1718	6					200	Displace plug
								cemnt to surface
								{325 mixed - 50sk to pit}
		6	46				400	
	1730	6	53			~~400~~	400	Land plug
	1732							shut in 8⅝" casing
								Release pressure to truck
	1735							Wash truck
								Rack up
	1800							job complete
								thanks
								Blaine Plant & Rob

JOB LOG — SWIFT Services, Inc.

DATE 7 OCT 14 | PAGE NO.

CUSTOMER Special Energy | WELL NO. #4 | LEASE HXPL | JOB TYPE cement long string | TICKET NO. 27876

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								175 sk EA-2 w/ ¼ # flocele
								200 sk SMD cement w/ ¼ # flocele
								TD = 4758 5½" x 15.5 #/ft casing 105 jts
								total pipe 4330' Baskets #1, 2
								Centralizers 1, 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 24, 26
								30
	1600							on loc TRK 114
	1907							start 5½ casing in well
	2155							Drop ball – circulate
	2300	4	12				200	Pump 500 gal mudflush
		4	20				200	Pump ~~200~~ bbl KCL flush
	2309		7					Plug RH - MH 30 sk - 20 sk
	2316	4½	52				200	mix SMD cement 150 sk @ 13.0 ppg
		4½	42				200	mix EA-2 cement 175 sk @ 15.3 ppg
	2345							Drop latch down plug
								wash out pump & line
	2351	6					200	Displace plug
		6	96				1000	
OCT 8	0010	6	102				1600	land plug
								Release pressure to truck – dried up
	0015							wash truck
								Rack up
	0050							job complete
								Thanks
								Blane, Flint & Preston

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Special Energy**

PO Drawer 369
Stillwater OK 74076

ATTN: Rod Andersen

HXP 1 #4

20-23s-19w Edward,KS

Start Date: 2014.10.05 @ 17:54:00
End Date: 2014.10.06 @ 01:33:23
Job Ticket #: 60324 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.08 @ 13:43:46

DRILL STEM TEST REPORT

Special Energy

PO Drawer 369
Stillwater OK 74076

ATTN: Rod Andersen

20-23s-19w Edward,KS

HXP 1 #4

Job Ticket: 60324 **DST#: 1**

Test Start: 2014.10.05 @ 17:54:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:03:30
Time Test Ended: 01:33:23

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2

Interval: 4498.00 ft (KB) To 4578.00 ft (KB) (TVD)
Total Depth: 4578.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

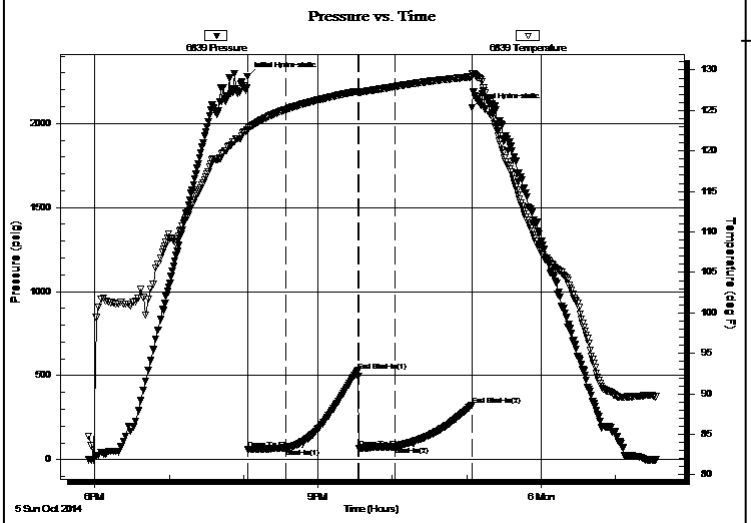
Reference Elevations: 2251.00 ft (KB)
2240.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6839 **Inside**

Press@RunDepth: 76.51 psig @ 4573.95 ft (KB)
Start Date: 2014.10.05 End Date: 2014.10.06
Start Time: 17:55:00 End Time: 01:33:23

Capacity: 5000.00 psig
Last Calib.: 2014.10.06
Time On Btm: 2014.10.05 @ 20:03:00
Time Off Btm: 2014.10.05 @ 23:04:30

TEST COMMENT: 1st Open 30 minutes Weak surface blow through out.
1st Shut in 60 minutes No blow back.
2nd Open 30 minutes Dead Flushed tool no help.
2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.74	122.60	Initial Hydro-static
1	59.14	122.56	Open To Flow (1)
32	67.48	125.12	Shut-In(1)
89	528.70	127.37	End Shut-In(1)
90	68.88	127.27	Open To Flow (2)
120	76.51	127.97	Shut-In(2)
181	324.86	129.16	End Shut-In(2)
182	2094.28	129.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Special Energy

PO Drawer 369
Stillwater OK 74076

ATTN: Rod Andersen

20-23s-19w Edward,KS

HXP 1 #4

Job Ticket: 60324 **DST#: 1**

Test Start: 2014.10.05 @ 17:54:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:03:30
Time Test Ended: 01:33:23

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2

Interval: 4498.00 ft (KB) To 4578.00 ft (KB) (TVD)
Total Depth: 4578.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

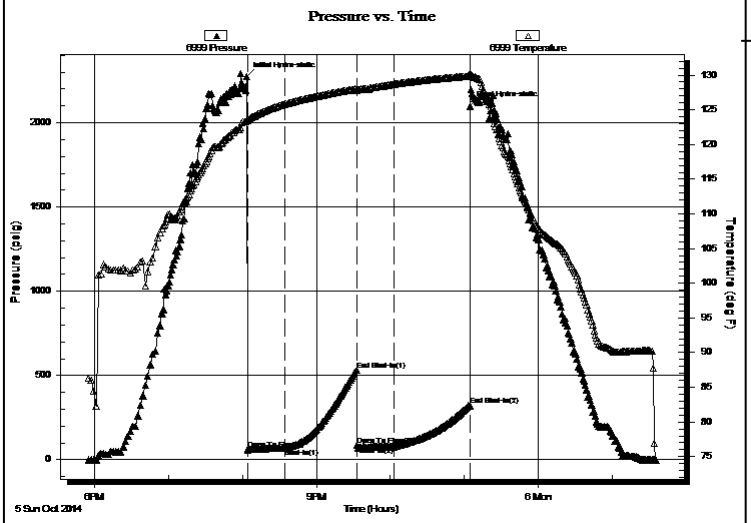
Reference Elevations: 2251.00 ft (KB)
2240.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 **Outside**

Press@RunDepth: 321.22 psig @ 4573.95 ft (KB)
Start Date: 2014.10.05 End Date: 2014.10.06
Start Time: 17:55:00 End Time: 01:35:30

Capacity: 5000.00 psig
Last Calib.: 2014.10.06
Time On Btm: 2014.10.05 @ 20:03:30
Time Off Btm: 2014.10.05 @ 23:05:00

TEST COMMENT: 1st Open 30 minutes Weak surface blow through out.
1st Shut in 60 minutes No blow back.
2nd Open 30 minutes Dead Flushed tool no help.
2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.93	123.49	Initial Hydro-static
1	59.75	123.42	Open To Flow (1)
31	68.77	125.80	Shut-In(1)
89	530.54	128.01	End Shut-In(1)
90	85.05	127.79	Open To Flow (2)
120	78.02	128.70	Shut-In(2)
181	321.22	129.85	End Shut-In(2)
182	2098.73	130.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.05

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Special Energy

PO Drawer 369
Stillwater OK 74076

ATTN: Rod Andersen

20-23s-19w Edward,KS

HXP 1 #4

Job Ticket: 60324 **DST#: 1**

Test Start: 2014.10.05 @ 17:54:00

Tool Information

Drill Pipe:	Length:	4244.00 ft	Diameter:	3.80 inches	Volume:	59.53 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	247.29 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:		63000.00 lb
					Total Volume:	60.75 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.29 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4498.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		80.95 ft							
Tool Length:		108.95 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4475.00		
Hydraulic tool	5.00			4480.00		
Jars	6.00			4486.00		
Safety Joint	2.00			4488.00		
Top Packer	5.00			4493.00		
Packer	5.00			4498.00	28.00	Bottom Of Top Packer
Anchor	6.00			4504.00		
Change Over Sub	0.75			4504.75		
Drill Pipe	62.45			4567.20		
Change Over Sub	0.75			4567.95		
Anchor	6.00			4573.95		
Recorder	0.00	6839	Inside	4573.95		
Recorder	0.00	6999	Outside	4573.95		
Bull Plug	5.00			4578.95	80.95	Anchor Tool
Total Tool Length:	**108.95**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Special Energy

PO Drawer 369
Stillwater OK 74076

ATTN: Rod Andersen

20-23s-19w Edward,KS

HXP 1 #4

Job Ticket: 60324 **DST#: 1**

Test Start: 2014.10.05 @ 17:54:00

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4600.00 ppm				
Filter Cake:	0.50 inches				

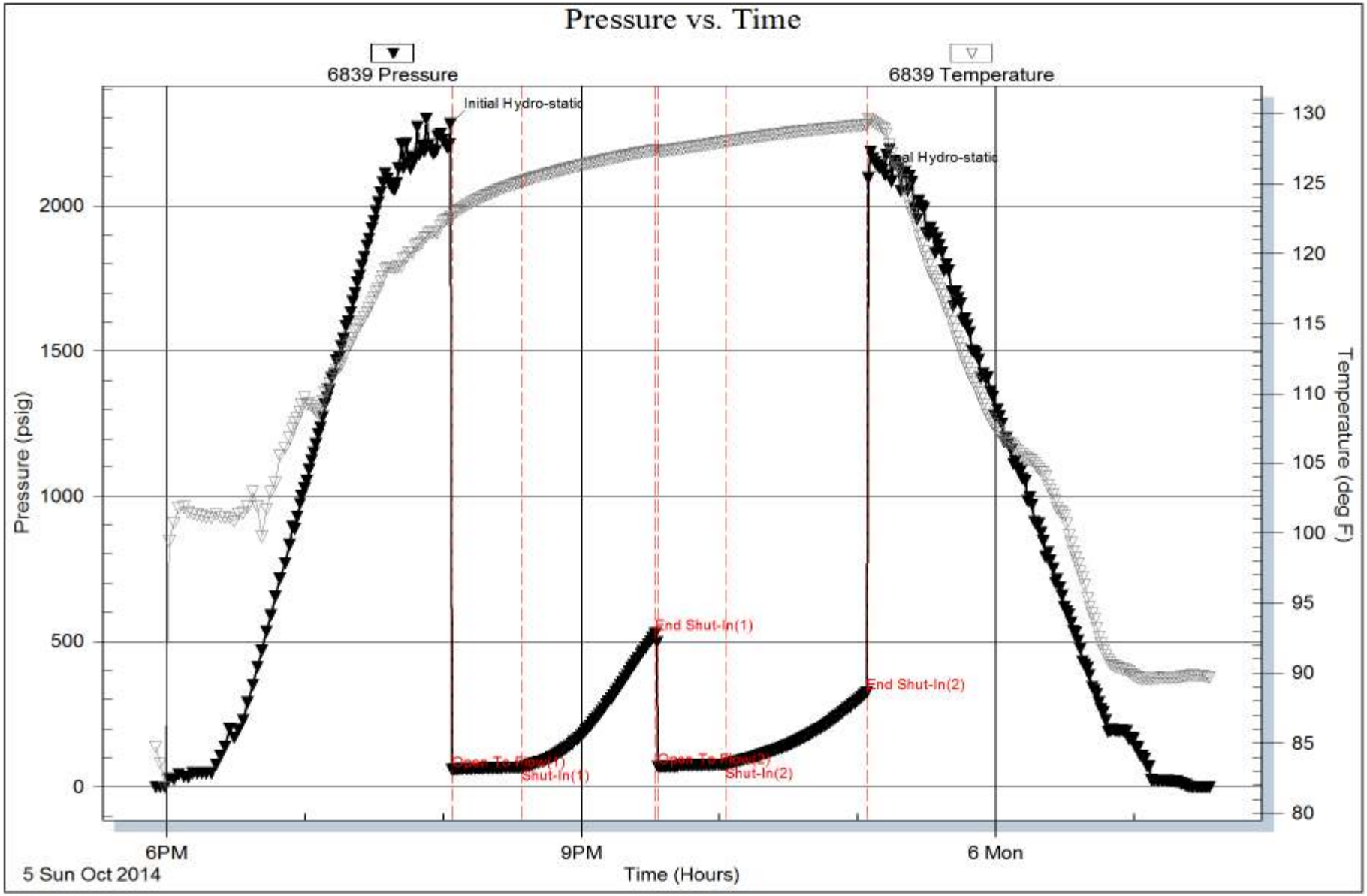
Recovery Information

Recovery Table

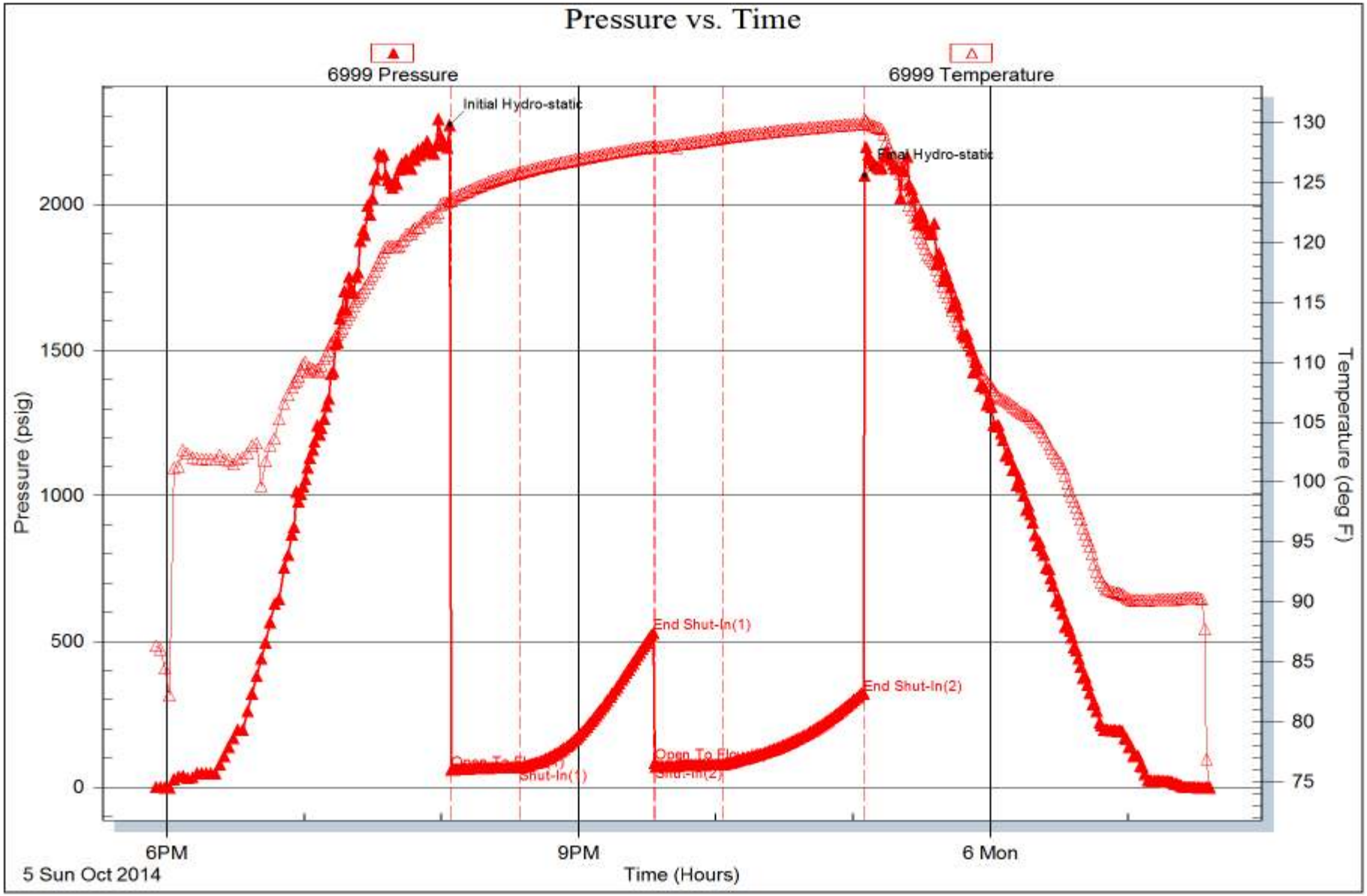
Length ft	Description	Volume bbl
10.00	Mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6839 Pressure
6839 Temperature
Initial Hydro-static
Initial Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
2000
1500
1000
500
0
Pressure (psig)
130
125
120
115
110
105
100
95
90
85
80
Temperature (deg F)
6PM
9PM
6 Mon
5 Sun Oct 2014
Time (Hours)

Serial #: 6999 **Outside** Special Energy HXP 1 #4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 60324 Printed: 2014.10.08 @ 13:43:47

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 60324

Well Name & No. HXP I #4 Test No. 1 Date 10-5-14

Company Special Energy Corp. Elevation 2240 KB 2258 GL

Address PO Drawer 369 Stillwater Oklahoma 74076

Co. Rep / Geo. Rod Anderson Rig H2 Drilling Rig #4

Location: Sec. 20 Twp. 23s Rge. 19s Co. Edwards State KS

Interval Tested 4498 - 4578 Zone Tested Mississippi

Anchor Length 80 Drill Pipe Run 4244 Mud Wt. 9.2

Top Packer Depth 4493 Drill Collars Run 247.29 Vis 46

Bottom Packer Depth 4498 Wt. Pipe Run 20000 WL 9.2

Total Depth 4578 Chlorides 4600 ppm System LCM .5

Blow Description 1st open weak surface blow throughout.
1st shut in - no blow back.
2nd open - Dead flushed tool no help.
2nd shut in - No blow back.

Rec 10	Feet of mudd	%gas	%oil	%water 100	%mud	
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 10 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2280	☐ Test 1250	T-On Location 5:00pm	
(B) First Initial Flow 59	☒ Jars 250	T-Started 5:54pm	
(C) First Final Flow 67	☒ Safety Joint 75	T-Open 8:02pm	
(D) Initial Shut-In 529	☐ Circ Sub	T-Pulled 11:02pm	
(E) Second Initial Flow 68	☐ Hourly Standby	T-Out	
(F) Second Final Flow 76	☐ Mileage 107 84rt 130.20	Comments loaded tools 10/7 9:00	
(G) Final Shut-In 324	☐ Sampler 130.20		
(H) Final Hydrostatic 2094	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 800	
Final Flow 30	☐ Day Standby 1d 7.5h	Total 2635.40	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1835.40		

Approved By Our Representative Dustin Ellis