



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1234977
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: _____

1234977

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Special Energy Corp.
Well Name	HXP1 3
Doc ID	1234977

Tops

Name	Top	Datum
Heebner Shale	3718	-1563
Lansing	3807	-1652
Bottom Kansas City	4112	-1957
Marmaton	4118	-1963
Pawnee	4220	-2065
Ft Scott	4289	-2134
Cherokee Shale	4316	-2161
Mississippian	4360	-2205
Kinderhook	4460	-2305

Form	ACO1 - Well Completion
Operator	Special Energy Corp.
Well Name	HXP1 3
Doc ID	1234977

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	5'	shot	4500-4505
2	10'	shot	4462-4472
	CIBP		4440
2	2'	shot	4382-4384
	CIBP		4376
2	6'	shot	4360-4366

JOB LOG

SWIFT Services, Inc.

DATE 9-25-14 PAGE NO. 1

CUSTOMER Special Energy WELL NO. #3 LEASE H X P I JOB TYPE Longstring TICKET NO. 26803

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1945							on loc w/ FE
								RTD 45-65'
								5 1/2" x 17 1/2" x 4563 x 33'
								c/cat. 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
								Bank 4
	2145							Start FE
	0220							Break Circ
	0310	2	7/5					Plug RH+MH 30/20 sks EA-2
	0320	5	0			200		Start 500 gal Mudflush
	0322	5	12/0			200		Start 20 bbl KCL Flush
	0326	5	20/0			200		Start 150 sks EA-2 Cement
	0333		36					End Cement
								Wash P/L
								Drop L.D. Plug
	0340	6	0			200		Start Displacement
	0353	5	70			250		Catch Cement
	0400		105			900		Land Plug
						1500		Release Pressure
								Float Held

Thank you

Nick, Austin, Roger, Jared & Tyler

ALLIED OIL & GAS SERVICES, LLC

063986

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend KS

DATE <u>09-19-14</u>	SEC. <u>19</u>	TWP. <u>22</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION <u>1:30 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>HXP 1</u>	WELL # <u>R 3</u>	LOCATION <u>Rozel 250 Rd S To I Rd W To</u>			COUNTY <u>Pawnee</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>300 Rd N 1 mile</u>					

CONTRACTOR H2 Drilling Rig 4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 860
 CASING SIZE 8 5/8 DEPTH 857.50
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 42.17
 PERFS.
 DISPLACEMENT 51.93 Fresh H2O

OWNER
 CEMENT
 AMOUNT ORDERED 260 sxs 65/35 6% + 3% cc
150 sxs class A 3% cc 2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER Kevin Eddy & Charles Kinjo
 # 597 HELPER Ben Newell
 BULK TRUCK
 # 870/844 DRIVER Kevin Weighous
 BULK TRUCK
 # DRIVER

COMMON 150 sxs @ 17.90 2685.50
 POZMIX @
 GEL 329 LBS @ .50 164.50
 CHLORIDE 1101 LBS @ 1.10 1211.10
 ASC 260 sxs 65/35 + @ 19.82 5153.30
6% gel @ #
 @
 @
 @
 @
 @
 @
 @
 HANDLING 457.63 @ 2.48 1134.92
 MILEAGE 19.75 x 35 @ 2.75 541.25
 TOTAL 13,131.15

REMARKS:

ON LOCATION / Rig up / Had safety meeting
Rig Ran 857.50 FT CASING 8 5/8 - Hook To
Head Brake wire w/ Rig mud. Drop Ball.
Ran 5 BBIS Fresh H2O ahead - mix 260 sxs 65/35
6% Gel 3% cc + 150 sxs class A 3% cc 2% gel
Shut Down Release Plug Displace 51.93 BBIS
Fresh H2O Land Plug @ PST cement
did circ Rig Down

SERVICE

DEPTH OF JOB 857.50
 PUMP TRUCK CHARGE 597 2713.75
 EXTRA FOOTAGE @
 MILEAGE 13.5 @ 7.70 269.50
 MANIFOLD @ 275.00
LUM 35 @ 4.40 154.00
 @

CHARGE TO: Special Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2912.25

PLUG & FLOAT EQUIPMENT

4 centralizers @ 75 ea 300.00
Afu insert @ 450.00
Rubber Plug @ 131.00
 @
 @

THANK YOU!

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment



DRILL STEM TEST REPORT

Prepared For: **Special Energy**

PO Drawer 369
Stillwater OK 74076

ATTN: George Utley

HXP 1 #3

19-22s-19w-Pawnee,KS

Start Date: 2014.09.23 @ 21:21:00

End Date: 2014.09.24 @ 07:00:30

Job Ticket #: 60322 DST #: 1

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

Printed: 2014.09.26 @ 09:13:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Special Energy
PO Drawer 369
Stillwater OK 74076
ATTN: George Utley

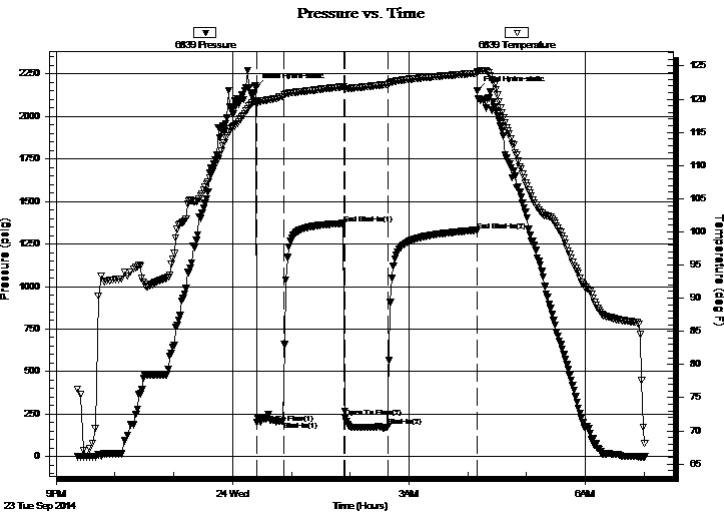
19-22s-19w-Pawnee, KS
HXP 1 #3
Job Ticket: 60322 **DST#: 1**
Test Start: 2014.09.23 @ 21:21:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 00:24:30 Tester: Dustin Ellis
Time Test Ended: 07:00:30 Unit No: S2
Interval: 4313.00 ft (KB) To 4378.00 ft (KB) (TVD) Reference Elevations: 2155.00 ft (KB)
Total Depth: 4378.00 ft (KB) (TVD) 2144.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6839 Inside
Press@RunDepth: 175.65 psig @ 4373.83 ft (KB) Capacity: 5000.00 psig
Start Date: 2014.09.23 End Date: 2014.09.24 Last Calib.: 2014.09.23
Start Time: 21:22:00 End Time: 07:00:30 Time On Btm: 2014.09.24 @ 00:24:00
Time Off Btm: 2014.09.24 @ 04:10:00

TEST COMMENT: IFP 30 BOB in less than 1 minute. GTS in 4 min
ISI 60 Yes blow back
FFP45 BOB instanly.
FSI90 Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.48	119.80	Initial Hydro-static
1	198.57	119.30	Open To Flow (1)
28	207.68	120.41	Shut-In(1)
90	1371.10	121.91	End Shut-In(1)
91	232.75	121.61	Open To Flow (2)
135	175.65	122.25	Shut-In(2)
226	1328.38	123.93	End Shut-In(2)
226	2150.44	124.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud 100%	0.98
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.80	116.03
Last Gas Rate	0.50	32.30	315.02
Max. Gas Rate	0.50	32.30	315.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Special Energy
PO Drawer 369
Stillwater OK 74076
ATTN: George Utley

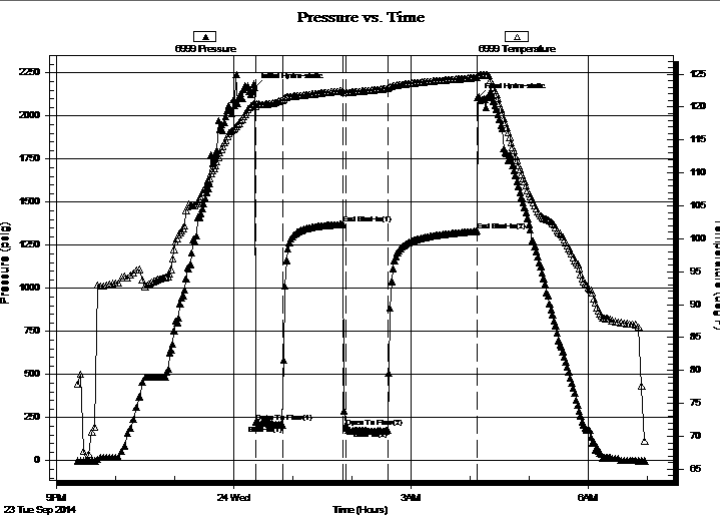
19-22s-19w-Pawnee, KS
HXP 1 #3
Job Ticket: 60322 **DST#: 1**
Test Start: 2014.09.23 @ 21:21:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:24:30
Time Test Ended: 07:00:30
Interval: **4313.00 ft (KB) To 4378.00 ft (KB) (TVD)**
Total Depth: 4378.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2
Reference Elevations: 2155.00 ft (KB)
2144.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 Outside
Press@RunDepth: 1332.31 psig @ 4373.83 ft (KB) Capacity: 5000.00 psig
Start Date: 2014.09.23 End Date: 2014.09.24 Last Calib.: 2014.09.23
Start Time: 21:22:00 End Time: 06:57:16 Time On Btm: 2014.09.24 @ 00:21:53
Time Off Btm: 2014.09.24 @ 04:07:53

TEST COMMENT: IFP 30 BOB in less than 1 minute. GTS in 4 min
ISI 60 Yes blow back
FFP45 BOB instanly.
FSI90 Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2166.54	120.62	Initial Hydro-static
1	224.96	120.15	Open To Flow (1)
28	208.80	121.00	Shut-In(1)
90	1371.97	122.49	End Shut-In(1)
93	196.48	122.20	Open To Flow (2)
135	175.68	122.83	Shut-In(2)
226	1332.31	124.49	End Shut-In(2)
226	2107.53	124.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud 100%	0.98
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.80	116.03
Last Gas Rate	0.50	32.30	315.02
Max. Gas Rate	0.50	32.30	315.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Special Energy

19-22s-19w-Pawnee,KS

PO Draw er 369
Stillw ater OK 74076

HXP 1 #3

Job Ticket: 60322

DST#: 1

ATTN: George Utley

Test Start: 2014.09.23 @ 21:21:00

Tool Information

Drill Pipe:	Length: 4068.00 ft	Diameter: 3.80 inches	Volume: 57.06 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: 246.13 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	69000.00 lb
			<u>Total Volume: 58.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.13 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4313.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	65.83 ft				
Tool Length:	93.83 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4290.00	
Hydraulic tool	5.00			4295.00	
Jars	6.00			4301.00	
Safety Joint	2.00			4303.00	
Top Packer	5.00			4308.00	
Packer	5.00			4313.00	28.00 Bottom Of Top Packer
Anchor	5.00			4318.00	
Change Over Sub	0.75			4318.75	
Drill Pipe	31.33			4350.08	
Change Over Sub	0.75			4350.83	
Anchor	23.00			4373.83	
Recorder	0.00	6839	Inside	4373.83	
Recorder	0.00	6999	Outside	4373.83	
Bull Plug	5.00			4378.83	65.83 Anchor Tool

Total Tool Length: 93.83



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Special Energy

19-22s-19w-Pawnee,KS

PO Drawer 369
Stillwater OK 74076

HXP 1 #3

Job Ticket: 60322

DST#: 1

ATTN: George Utley

Test Start: 2014.09.23 @ 21:21:00

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: 29.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 70000.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Mud 100%	0.984
0.00	GTS	0.000

Total Length: 200.00 ft Total Volume: 0.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Special Energy

19-22s-19w-Pawnee,KS

PO Drawer 369
Stillwater OK 74076

HXP 1 #3

Job Ticket: 60322

DST#: 1

ATTN: George Utley

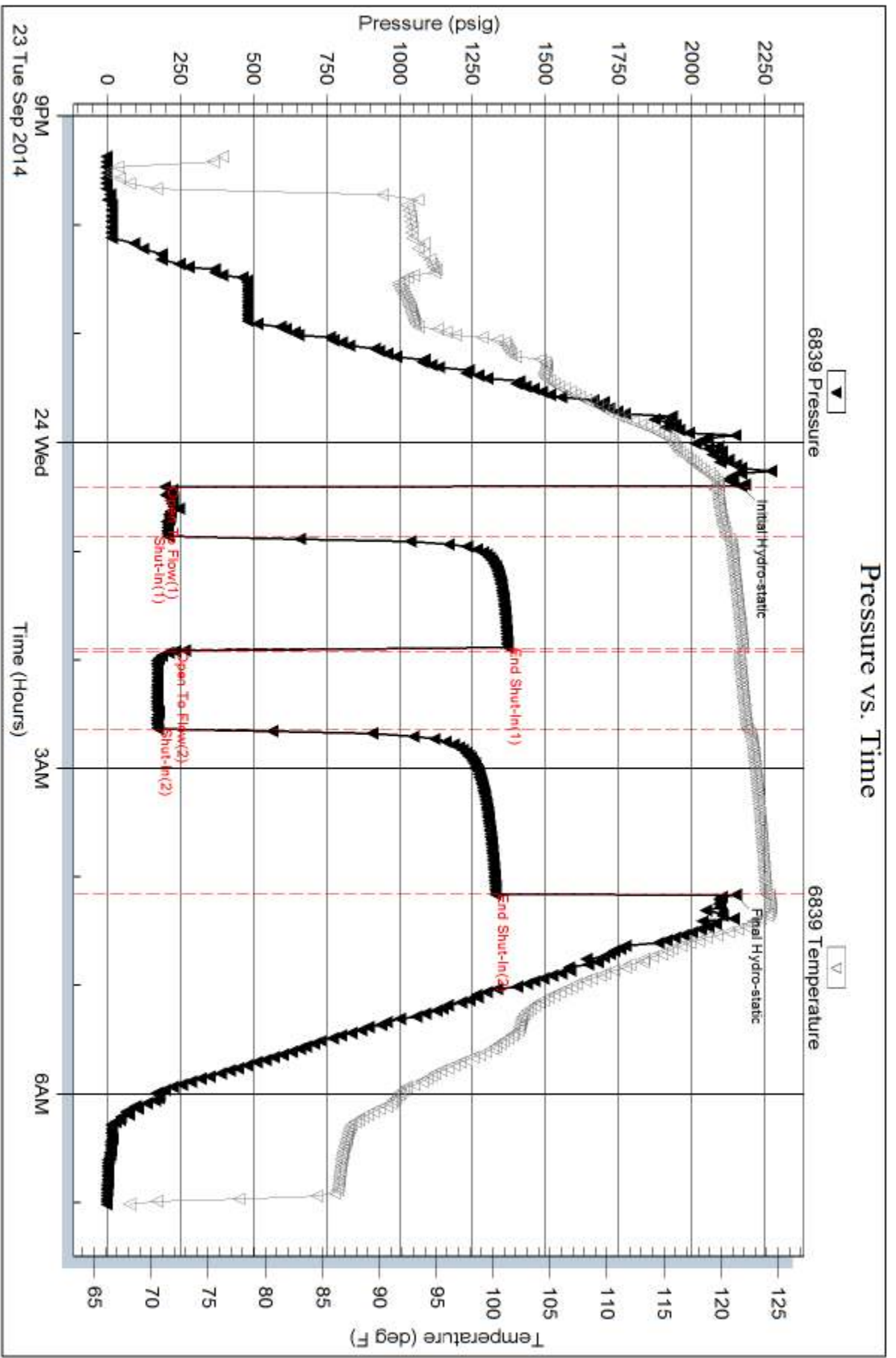
Test Start: 2014.09.23 @ 21:21:00

Gas Rates Information

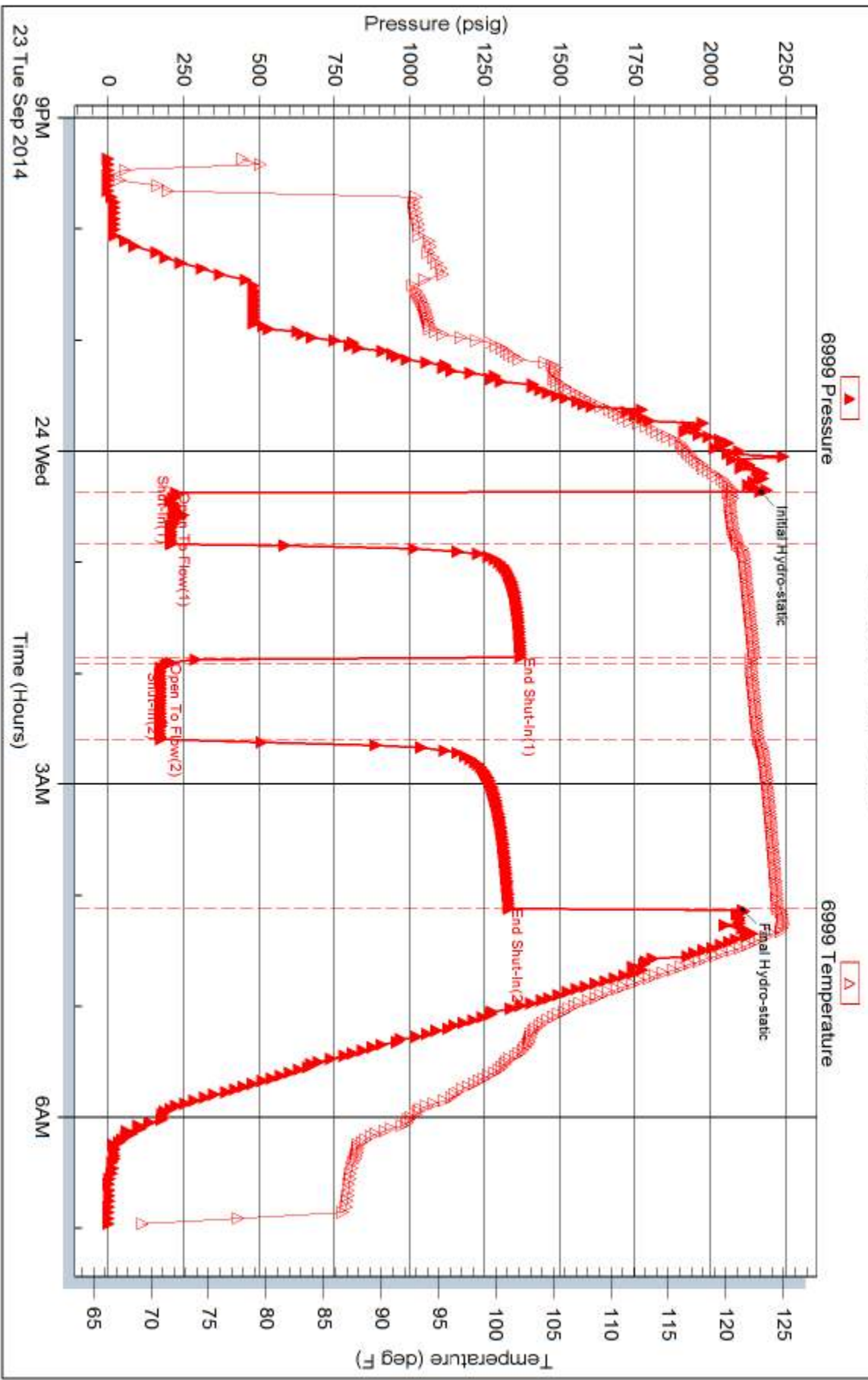
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	0.50	2.80	116.03
1	5	0.50	2.80	116.03
1	10	0.50	2.80	116.03
1	15	0.50	2.80	116.03
1	20	0.50	11.90	177.41
1	25	0.50	21.70	243.52
1	30	0.50	26.50	275.90
2	10	0.50	26.50	275.90
2	20	0.50	31.00	306.25
2	30	0.50	32.30	315.02



Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60322

Well Name & No. HXP1 #3 Test No. 1 Date 9-23-14
 Company Special Energy Elevation 2144 KB 2155 GL
 Address PO Drawer 369 Stillwater Oklahoma 74076
 Co. Rep / Geo. Rob George Utley Rig H2 Drilling Rig 4
 Location: Sec. 19 Twp. 22s Rge. 19w Co. Pawnee State KS

Interval Tested 4313 - 4378 Zone Tested Mississippi
 Anchor Length 65 Drill Pipe Run 4068 Mud Wt. 9.3
 Top Packer Depth 4308 Drill Collars Run 240.13 Vis 29
 Bottom Packer Depth 4313 Wt. Pipe Run 3000 WL —
 Total Depth 4378 Chlorides 70,000 ppm System LCM 0

Blow Description 1st open - Strong blow blew off bottom bucket less than 1 min
1st shut-in - Yes blow back
2nd open - Strong blow blew off bottom bucket instantly.
2nd shut-in - Yes blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>mud</u>			<u>100</u>	

Rec Total 200 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2169 Test bottom hole 1250 T-On Location 8:45pm
 (B) First Initial Flow 198 Jars Yes 250 T-Started 9:21pm
 (C) First Final Flow 267 Safety Joint Yes 75 T-Open 12:23am
 (D) Initial Shut-In 1371 Circ Sub none T-Pulled 4:08am
 (E) Second Initial Flow 232 Hourly Standby _____ T-Out 7:10am
 (F) Second Final Flow 175 Mileage 100 155 Comments no steps end cutwalk
 (G) Final Shut-In 1328 Sampler none Giss sample taken.
 (H) Final Hydrostatic 2150 Straddle none Ruined Shale Packer _____
 Shale Packer none Ruined Packer _____
 Extra Packer none Extra Copies _____
 Extra Recorder none Sub Total 0
 Day Standby none Total 1880.00
 Accessibility Yes/no steps 150 MP/DST Disc't _____
 Sub Total 1880.00

Approved By _____ Our Representative Dustin Ellis
 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.