



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252743
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: _____



1252743

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	ESP Development, Inc.
Well Name	Delmer Chrisler "B" 1
Doc ID	1252743

Tops

Name	Top	Datum
Anhydrite	905	838
Topeka	2673	-930
Heebner	2919	-1176
Toronto	2938	-1195
Lansing	2964	-1221
B/KC	3205	_1462
Marmaton	3215	-1494
conglomerate	3237	-1494
Simpson Sand	3309	-1566
Arbuckle	3316	-1573



DRILL STEM TEST REPORT

Prepared For: **ESP Development, Inc.**

1749 B 250th AVE
Hays, KS 67601

ATTN: Austin Klaus

Delmer Chrisler B #1

35-11s-16w Ellis, KS

Start Date: 2015.04.25 @ 17:40:00

End Date: 2015.04.26 @ 00:16:00

Job Ticket #: 62464 DST #: 1

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

Printed: 2015.04.28 @ 10:04:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

ESP Development, Inc.

1749 B 250th AVE
Hays, KS 67601

ATTN: Austin Klaus

35-11s-16w Ellis, KS

Delmer Chrisler B #1

Job Ticket: 62464

DST#: 1

Test Start: 2015.04.25 @ 17:40:00

GENERAL INFORMATION:

Formation: **LCK "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:30

Time Test Ended: 00:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 77

Interval: 2967.00 ft (KB) To 3025.00 ft (KB) (TVD)

Reference Elevations: 1743.00 ft (KB)

Total Depth: 3025.00 ft (KB) (TVD)

1735.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press@RunDepth: 18.03 psig @ 2968.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.25

End Date:

2015.04.26

Last Calib.:

2015.04.26

Start Time: 17:40:01

End Time:

00:16:00

Time On Btm:

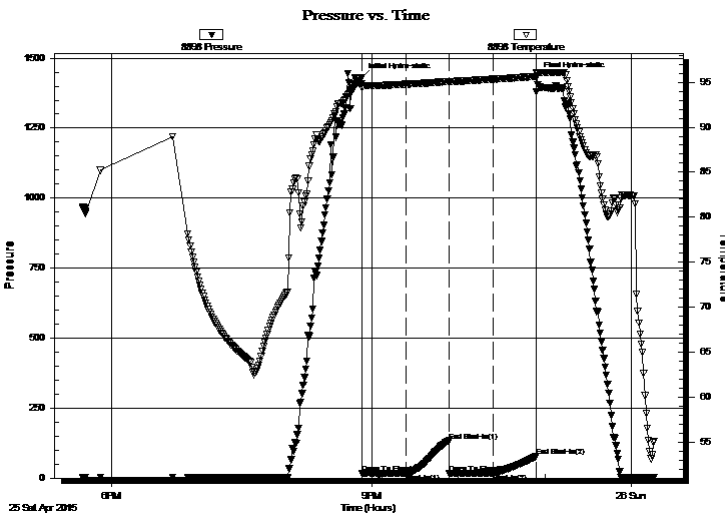
2015.04.25 @ 20:53:10

Time Off Btm:

2015.04.25 @ 22:54:39

TEST COMMENT: 30-IF-Built to 1/4"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1431.72	94.87	Initial Hydro-static
1	15.54	94.41	Open To Flow (1)
31	16.89	94.78	Shut-In(1)
61	133.36	95.09	End Shut-In(1)
61	17.55	95.02	Open To Flow (2)
91	18.03	95.34	Shut-In(2)
121	77.02	95.64	End Shut-In(2)
122	1433.07	96.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100% m	0.04

Gas Rates

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



DRILL STEM TEST REPORT

ESP Development, Inc.

1749 B 250th AVE
Hays, KS 67601

ATTN: Austin Klaus

35-11s-16w Ellis, KS

Delmer Chrisler B #1

Job Ticket: 62464

DST#: 1

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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:30

Time Test Ended: 00:16:00

Interval: **2967.00 ft (KB) To 3025.00 ft (KB) (TVD)**

Total Depth: 3025.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 77

Reference Elevations: 1743.00 ft (KB)

1735.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8897 Inside

Press@RunDepth: psig @ 2968.00 ft (KB)

Start Date: 2015.04.25

End Date:

2015.04.26

Start Time: 17:40:01

End Time:

00:16:20

Capacity: 8000.00 psig

Last Calib.:

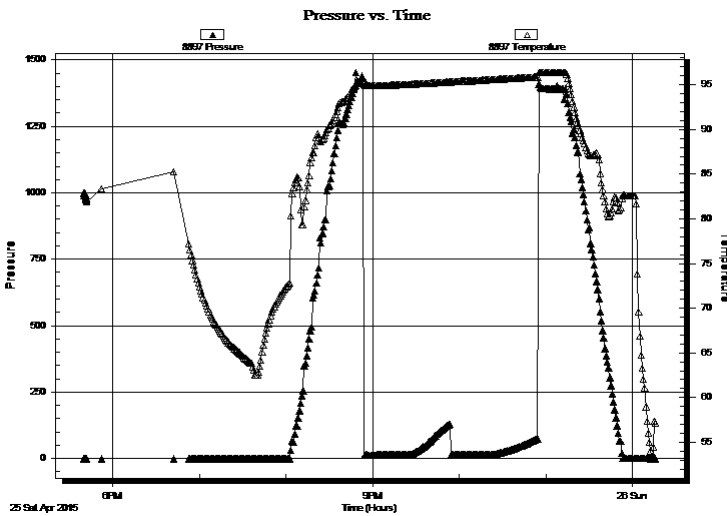
2015.04.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Built to 1/4"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%m	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

Job Ticket: 62464

DST#: 1

ATTN: Austin Klaus

Test Start: 2015.04.25 @ 17:40:00

Tool Information

Drill Pipe:	Length: 2658.00 ft	Diameter: 3.80 inches	Volume: 37.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 39.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2967.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2952.00	
Hydraulic tool	5.00			2957.00	
Packer	5.00			2962.00	20.00 Bottom Of Top Packer
Packer	5.00			2967.00	
Stubb	1.00			2968.00	
Recorder	0.00	8897	Inside	2968.00	
Recorder	0.00	8898	Outside	2968.00	
Perforations	21.00			2989.00	
Change Over Sub	1.00			2990.00	
Drill Pipe	31.00			3021.00	
Change Over Sub	1.00			3022.00	
Bullnose	3.00			3025.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

Job Ticket: 62464

DST#: 1

ATTN: Austin Klaus

Test Start: 2015.04.25 @ 17:40:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M, 100%m	0.037

Total Length: 5.00 ft Total Volume: 0.037 bbl

Num Fluid Samples: 0

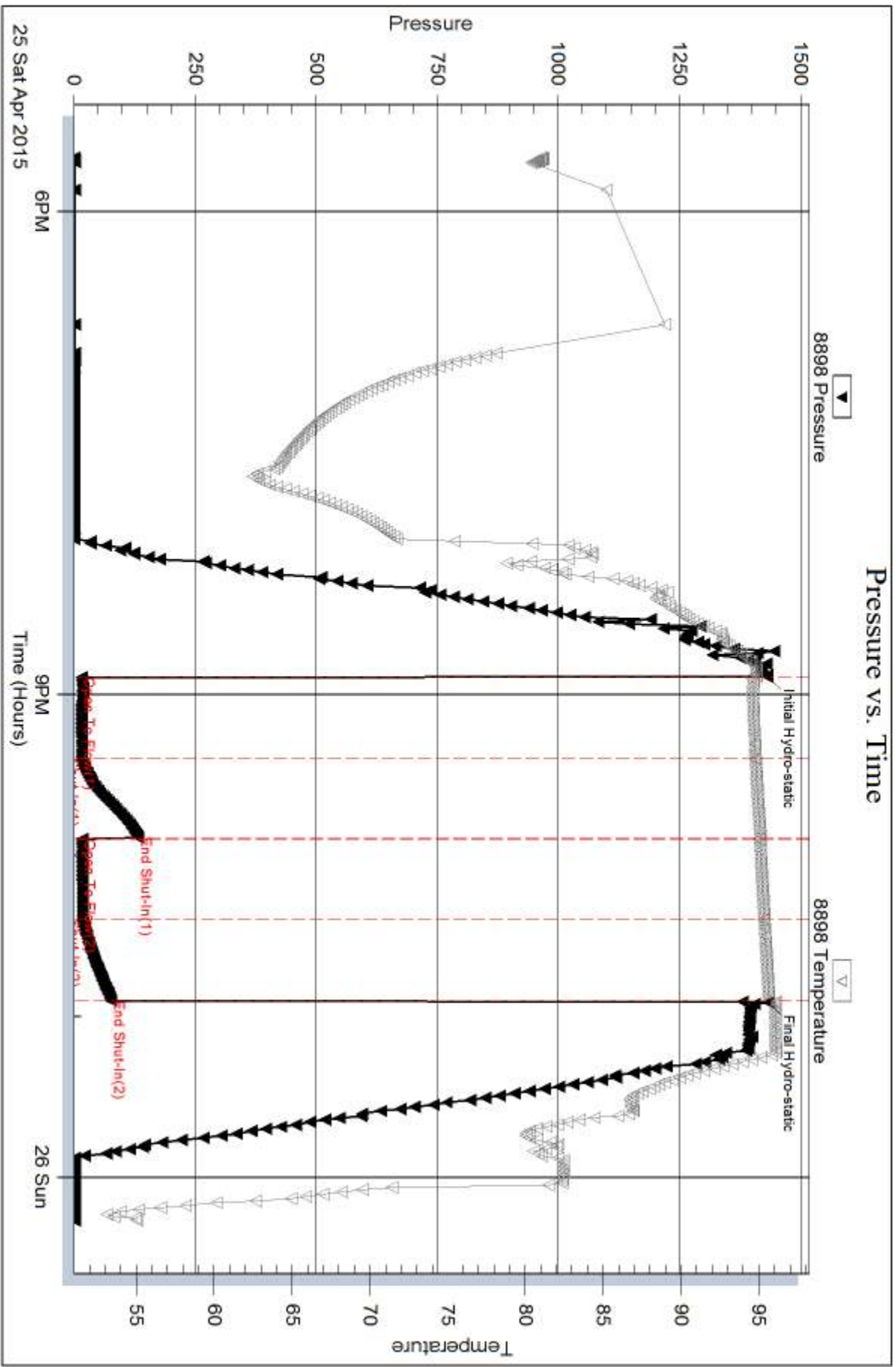
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



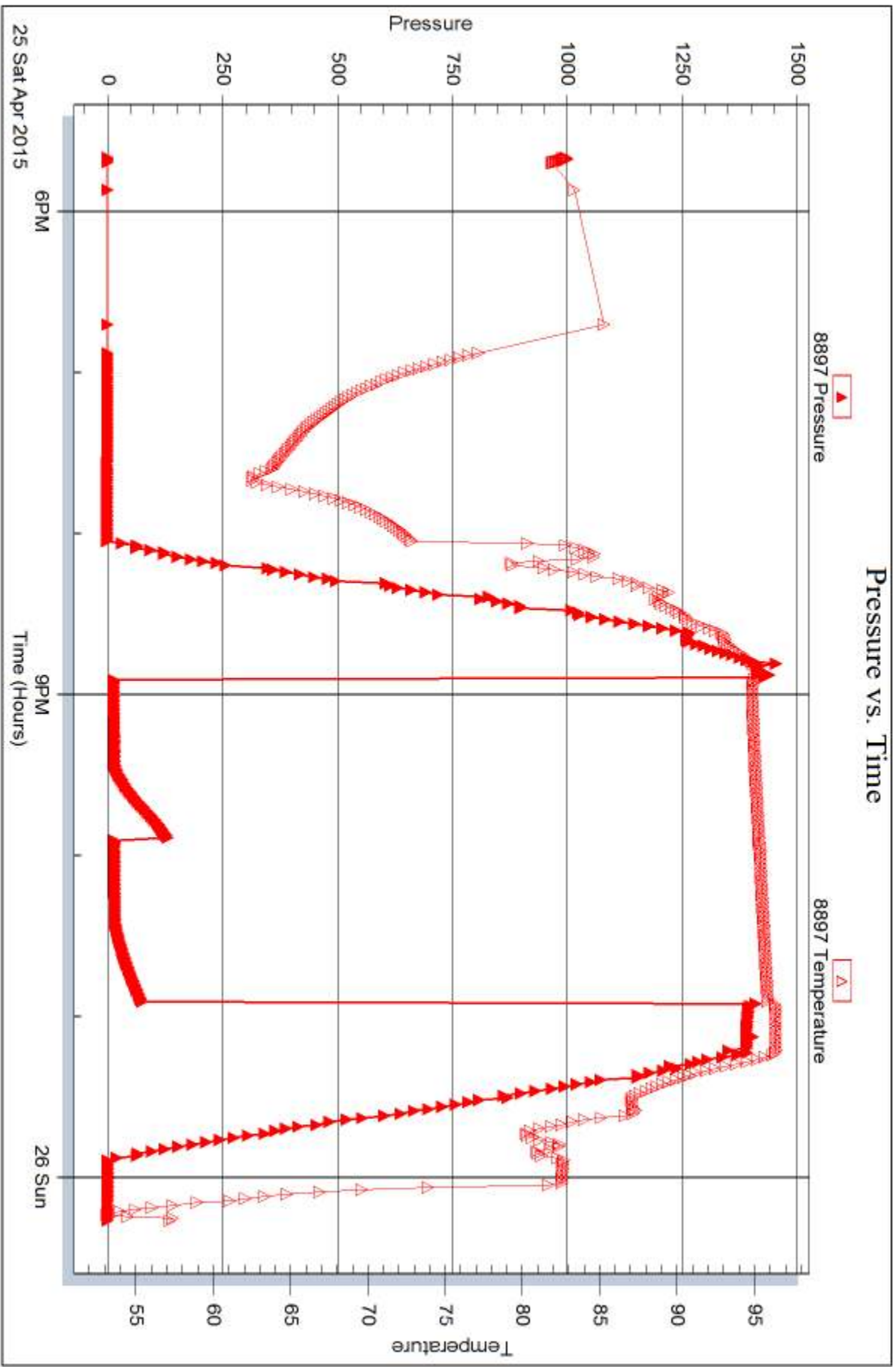
Serial #: 8897

Inside

ESP Development, Inc.

Delmer Chrysler B #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 62464

Printed: 2015.04.28 @ 10:04:22



DRILL STEM TEST REPORT

Prepared For: **ESP Development, Inc.**

1749 B 250th AVE
Hays, KS 67601

ATTN: Austin Klaus

Delmer Chrisler B #1

35-11s-16w Ellis, KS

Start Date: 2015.04.26 @ 13:49:00

End Date: 2015.04.26 @ 19:08:09

Job Ticket #: 62465 DST #: 2

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

Printed: 2015.04.28 @ 09:22:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

ATTN: Austin Klaus

Job Ticket: 62465

DST#: 2

Test Start: 2015.04.26 @ 13:49:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:39:30

Time Test Ended: 19:08:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 77

Interval: 3099.00 ft (KB) To 3180.00 ft (KB) (TVD)

Reference Elevations: 1743.00 ft (KB)

Total Depth: 3180.00 ft (KB) (TVD)

1735.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press@RunDepth: 33.08 psig @ 3100.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.26

End Date: 2015.04.26

Last Calib.: 2015.04.26

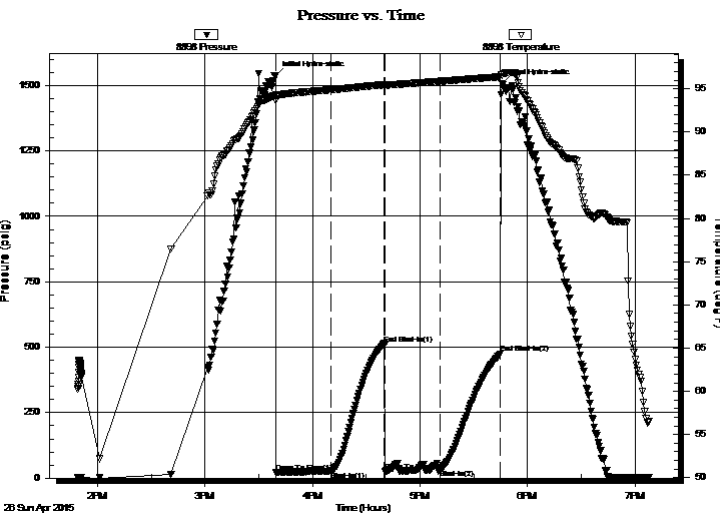
Start Time: 13:49:01

End Time: 19:08:10

Time On Btm: 2015.04.26 @ 15:39:20

Time Off Btm: 2015.04.26 @ 17:45:40

TEST COMMENT: 30-IF-Built to 3/4"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.44	94.34	Initial Hydro-static
1	21.75	93.64	Open To Flow (1)
31	25.73	94.88	Shut-In(1)
61	513.90	95.46	End Shut-In(1)
61	27.05	95.31	Open To Flow (2)
92	33.08	95.86	Shut-In(2)
126	476.15	96.39	End Shut-In(2)
127	1507.35	96.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M, 100% m, with oil spots	0.07

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

Job Ticket: 62465 **DST#: 2**

ATTN: Austin Klaus

Test Start: 2015.04.26 @ 13:49:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:39:30
 Tester: Phillip Gage
 Time Test Ended: 19:08:09
 Unit No: 77
 Interval: **3099.00 ft (KB) To 3180.00 ft (KB) (TVD)**
 Reference Elevations: 1743.00 ft (KB)
 Total Depth: 3180.00 ft (KB) (TVD)
 1735.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 3100.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.26 End Date: 2015.04.26

Last Calib.: 2015.04.26

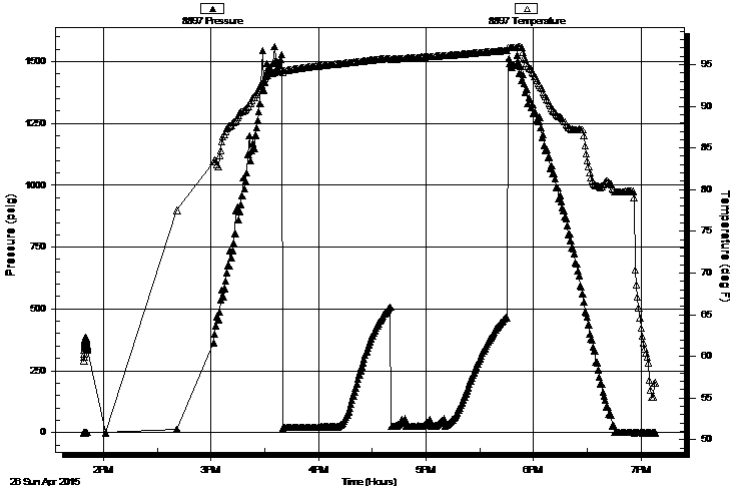
Start Time: 13:49:01 End Time: 19:08:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Built to 3/4"
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M, 100% m, with oil spots	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

Job Ticket: 62465

DST#: 2

ATTN: Austin Klaus

Test Start: 2015.04.26 @ 13:49:00

Tool Information

Drill Pipe:	Length: 2783.00 ft	Diameter: 3.80 inches	Volume: 39.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 41.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3099.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3084.00	
Hydraulic tool	5.00			3089.00	
Packer	5.00			3094.00	20.00 Bottom Of Top Packer
Packer	5.00			3099.00	
Stubb	1.00			3100.00	
Recorder	0.00	8897	Inside	3100.00	
Recorder	0.00	8898	Outside	3100.00	
Perforations	12.00			3112.00	
Change Over Sub	1.00			3113.00	
Drill Pipe	63.00			3176.00	
Change Over Sub	1.00			3177.00	
Bullnose	3.00			3180.00	81.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

ESP Development, Inc.

35-11s-16w Ellis, KS

1749 B 250th AVE
Hays, KS 67601

Delmer Chrisler B #1

Job Ticket: 62465

DST#: 2

ATTN: Austin Klaus

Test Start: 2015.04.26 @ 13:49:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M, 100% m, with oil spots	0.073

Total Length: 10.00 ft Total Volume: 0.073 bbl

Num Fluid Samples: 0

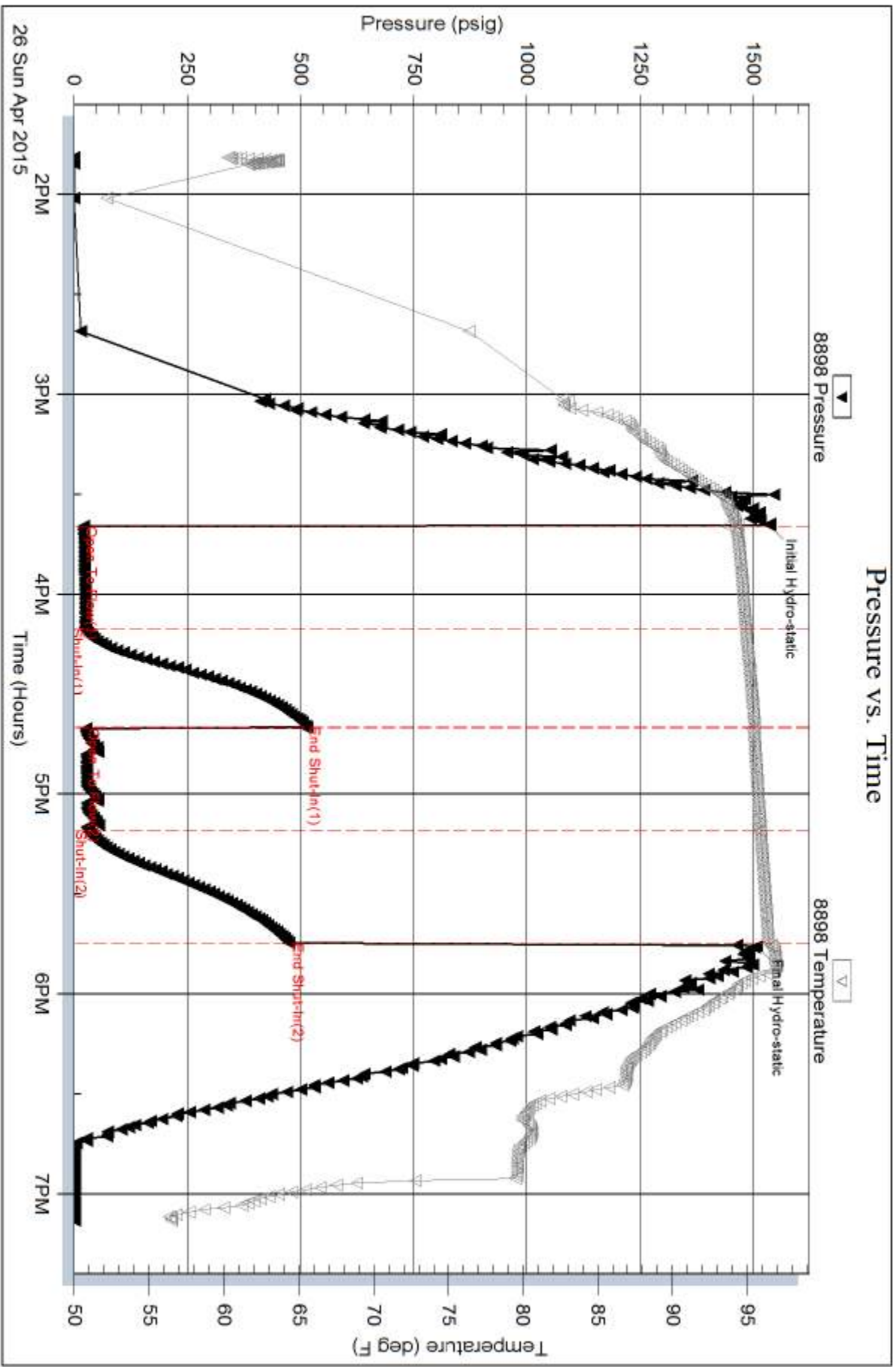
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



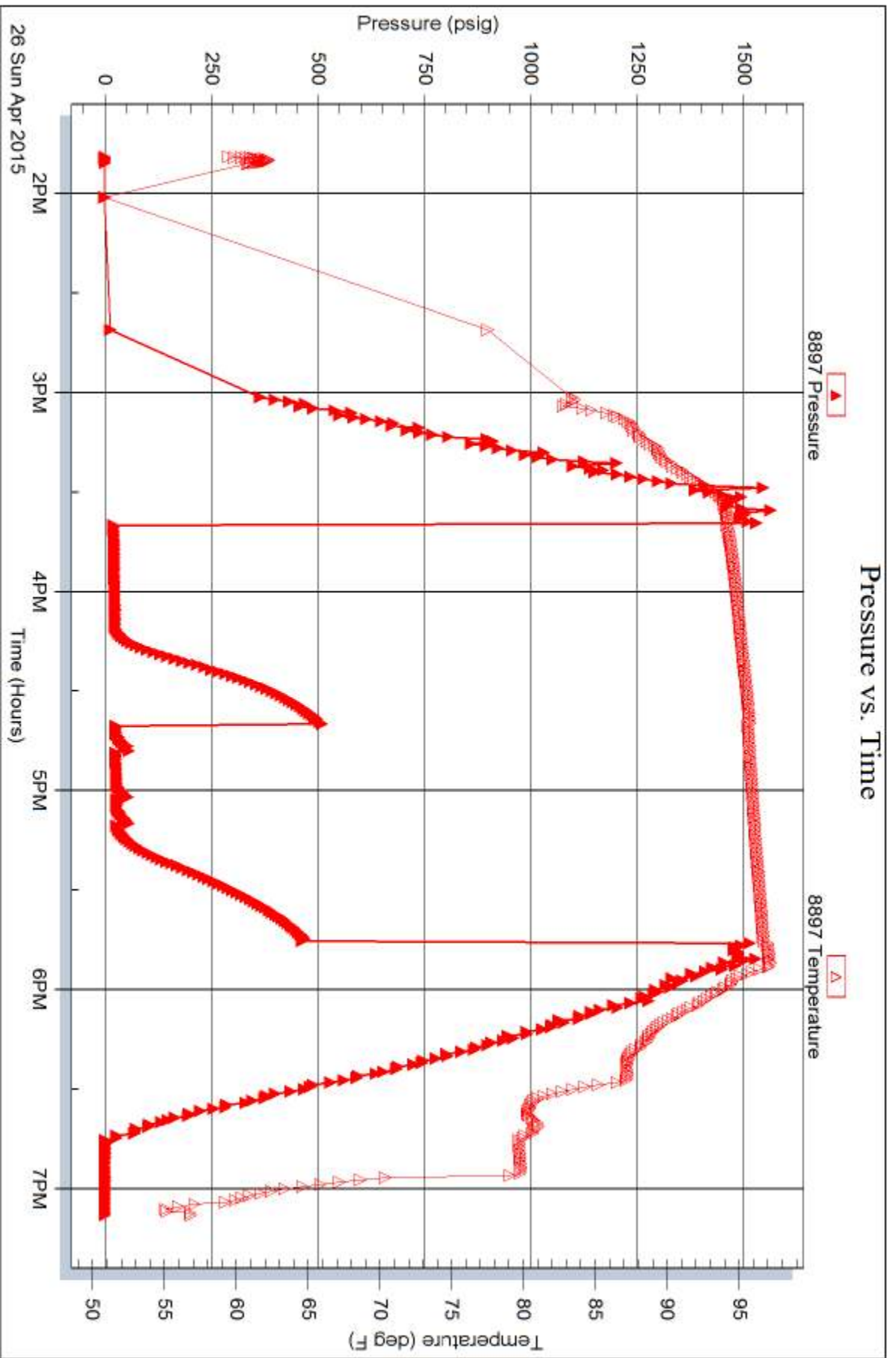
Serial #: 8897

Inside

ESP Development, Inc.

Delmer Chrysler B #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62464

Well Name & No. Delmer Christer "B" #1 Test No. 1 Date 4-25-15
 Company ESP Development, Inc Elevation 1743 KB 1735 GL
 Address 1749 B 250th AVE Hays, KS 67601
 Co. Rep / Geo. Austin Klaus Rig Discovery Rig 2
 Location: Sec. 35 Twp. 11s Rge. 16w Co. Ellis State KS

Interval Tested 2967-3025 Zone Tested LKL "C-D"
 Anchor Length 58' Drill Pipe Run 2658 Mud Wt. 8.8
 Top Packer Depth 2962 Drill Collars Run 0 Vis 47
 Bottom Packer Depth ~~2967~~ 2967 Wt. Pipe Run ~~2967~~ 310 WL 8
 Total Depth 3025 Chlorides 4000 ppm System LCM 1.5#
 Blow Description IF- Built to 1/4"
ISE No Return
FF- No Blow
FSE- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>M</u>			<u>100</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 5' BHT 96 Gravity — API RW — °F Chlorides — ppm

(A) Initial Hydrostatic 1431 Test 1050 T-On Location 06:21
 (B) First Initial Flow 15 Jars _____ T-Started 17:40
 (C) First Final Flow 16 Safety Joint _____ T-Open 20:54
 (D) Initial Shut-In 133 Circ Sub _____ T-Pulled 22:54
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 00:16
 (F) Second Final Flow 18 Mileage 56 RT 56 Comments _____
 (G) Final Shut-In 77 Sampler _____
 (H) Final Hydrostatic 1,433 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Accessibility _____
 Sub Total 1106 Sub Total 0
 Total 1106 Total 1106
 MP/DST Disc't _____

Approved By _____ Our Representative Phillip Long Thank You
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **62465**

Well Name & No. Delmer Christer "B" #1 Test No. 2 Date 4-26-15
 Company ESP Development, Inc Elevation 1743 KB 1735 GL
 Address 1749 B 250th AVE Hays, KS 67601
 Co. Rep / Geo. Austin Klaus Rig Discovery 2
 Location: Sec. 35 Twp. 11s Rge. 16w Co. Ellis State KS

Interval Tested 3099-3180 Zone Tested LKC "H-K"
 Anchor Length 81' Drill Pipe Run 2783 Mud Wt. 9.1
 Top Packer Depth 3094 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3099 Wt. Pipe Run 310 WL 8.8
 Total Depth 3180 Chlorides 4,000 ppm System LCM 1#

Blow Description IF Built to 3/4"
ISI- No Return
FF No Blow
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>M, with oil spots</u>			<u>100</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 10' BHT 96 Gravity 1050 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1536 Test 1050 T-On Location 13:47
 (B) First Initial Flow 21 Jars T-Started 13:49
 (C) First Final Flow 25 Safety Joint T-Open 15:41
 (D) Initial Shut-In 513 Circ Sub T-Pulled 17:41
 (E) Second Initial Flow 27 Hourly Standby T-Out 19:09
 (F) Second Final Flow 33 Mileage 56 RT x2 Comments Loaded tools
 (G) Final Shut-In 476 Sampler 56+56 on 4-27-15 @ 16:15
 (H) Final Hydrostatic 1,507 Straddle Ruined Shale Packer

Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1162
 Accessibility MP/DST Disc't
 Sub Total 1162

Approved By _____ Our Representative Philipp Hays Thank You

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ALLIED OIL & GAS SERVICES, LLC 055754

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

Delmer Christer #B-1

DATE <i>4-22-15</i>	SEC. <i>35</i>	TWP. <i>11</i>	RANGE <i>16</i>	CALLED OUT	ON LOCATION	JOB START <i>9:30 AM</i>	JOB FINISH <i>9:45 PM</i>
LEASE <i>Christer</i>		WELL# <i>1</i>	LOCATION <i>Walker KS 8N1W4N</i>		COUNTY <i>Ellis</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>IE 2N NE E into</i>				

CONTRACTOR *Discovery 2*
 TYPE OF JOB *Surface*
 HOLE SIZE *12 1/4* T.D. *516*
 CASING SIZE *8 5/8 23'* DEPTH *516*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *40*
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT *30 bbl*

OWNER
 CEMENT
 AMOUNT ORDERED *300 com 3% cc 2% gel*
 COMMON *300* @ *17.90* *5370.00*
 POZMIX @
 GEL *564* @ *.24* *135.36*
 CHLORIDE *846* @ *0.80* *676.80*
 ASC @

EQUIPMENT

PUMP TRUCK CEMENTER *Robert Y*
 # *409* HELPER *Tracy J*
 BULK TRUCK
 # *985-292* DRIVER *Ben G*
 BULK TRUCK
 # DRIVER

Material @ *6182.16*
Line @ *2962.43*
 HANDLING *300* @ *2.48* *744.00*
 MILEAGE *423* @ *2.60* *1099.80*

REMARKS:

see log
circulated 20 sts to pit
Thank you!!!

TOTAL

SERVICE

DEPTH OF JOB *516*
 PUMP TRUCK CHARGE *2058.50*
 EXTRA FOOTAGE @
 MILEAGE *30 LVM I* @ *4.40* *132.00*
 MANIFOLD @
60 HVMI @ *7.70* *462.00*

CHARGE TO: *ESP Development Inc*
 STREET
 CITY STATE ZIP

Line 2158.23 TOTAL *4496.30*

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.

SALES TAX (If Any)
 TOTAL CHARGES *10678.46*
 DISCOUNT *5125.66* *48%* IF PAID IN 30 DAYS
 net *5552.80*

PRINTED NAME
 SIGNATURE *[Signature]*

ALLIED OIL & GAS SERVICES, LLC 055757

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>4-27-15</u>	SEC. <u>35</u>	TWP. <u>11</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00pm</u>	JOB FINISH <u>10:30pm</u>
DELMOR LEASE <u>Christen</u> WELL# <u>1</u>				LOCATION <u>Walker KS 8th 16th NE</u>		COUNTY <u>E11.5</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>2nd NE into</u>			

CONTRACTOR Discovery 2

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3400

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 16.6 DEPTH 3295

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 255 6 9/40 470 g. 1 1/4" 470

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y

409 HELPER Tracy J

BULK TRUCK

473-187 DRIVER Ben G

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

6 9/40 470 gel 255 @ 15.50 3952.50

510 seal 6 9/40 @ 2.97 190.08

Material @ 4142.58

Disc @ 1449.90

HANDLING 255 sks @ 2.48 632.40

MILEAGE 330 1/m @ 2.75 907.50

TOTAL

REMARKS:

p1 50 sks @ 3295

p2 50 sks @ 920

p3 100 sks @ 560

p4 10 sks @ 40

30 sks @ RH

15 sks @ MH

KCC # 99996

Thank you!!!

SERVICE

DEPTH OF JOB 3295

PUMP TRUCK CHARGE 2558.75

EXTRA FOOTAGE @

MILEAGE 30 LVMI @ 4.40 132.00

MANIFOLD @

60 HVMI @ 7.70 462.00

CHARGE TO: ESP Development Inc

STREET

CITY STATE ZIP

Disc 1642.43 TOTAL 4693.65

PLUG & FLOAT EQUIPMENT

8 5/8 Wooden plug @ 110.00 110.00

Disc 38.50 TOTAL 110.00

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 [Signature]

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES 8945.23

DISCOUNT 3092.73 3130.83 IF PAID IN 30 DAYS

net \$ 5814.40