

1173500

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
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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> _____
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Dorado E&P Partners, LLC
Well Name	Touliatos 32-1X
Doc ID	1173500

Tops

Name	Top	Datum
Heebner	535	
Douglas	817	
Lansing	993	
Layton	1347	
Kansas City	1512	
Pawnee	1795	
Cherokee	1884	
Mississippian	2164	
Woodford	2423	
Arbuckle	2473	

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	Dorado EBP Partners	Lease No.		Date	11-29-13
Lease	Touliatos	Well #			
Field Order #	9370	Station	Pratt	Casing	
				Depth	2576
				County	ELK
				State	KS
Type Job	CNW PTA	Formation		Legal Description	32-315-10E

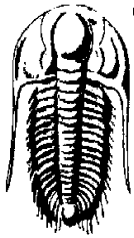
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	ERIC	Station Manager	Kevin	Treater	JOE
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Service Units	14884	19843	19959	19860	19960	21010		28443		
Driver Names	ED		Tim		DALE			JOE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0615					ONLOC/safety meeting
					Plug 1 set at 2576'
1500			15	5	H2O Spacer
			3	5	mix 155K 60/40 POZ @ 13.7#
			3	5	H2O Spacer
1510			31	5	Pumped 31 BBL of mud
					Plug 2 set @ 2164'
1530			15	5	H2O SPacer
			3	5	mix 15 SK 60/40 POZ @ 13.7#
			3	5	H2O SPacer
1540			26	5	Pumped 26 BBLs of mud
					Plug 3 set at 1518'
1400			5	5	H2O spacer
			3	5	mix 155K of 60/40 POZ @ 13.7#
1410			1	5	H2O SPacer
					Plug 4 set @ 1200'
			5		H2O SPacer
			43		mix 170 SK of 60/40 POZ @ 13.7#
			1		H2O SPacer
					Plug 5 set at 491'
1800			58		mix 230 SK of 60/40 POZ @ 13.7# Did not Circ
1830					Cement Plug RH

JOB COMPLETE Thank you JOE



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dorado E & P Partners

32-31S 10E EIK

1401 17th Ste 1500
Denver, CO 80202

Touliatos 32-1

Job Ticket: 52524

DST#: 3

ATTN: Stephen Lynch

Test Start: 2013.11.25 @ 13:54:38

GENERAL INFORMATION:

Formation: **Pawnee & Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:53:23

Time Test Ended: 20:19:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: **1810.00 ft (KB) To 1870.00 ft (KB) (TVD)**

Reference Elevations: 1148.00 ft (KB)

Total Depth: 1870.00 ft (KB) (TVD)

1142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 75.68 psig @ 1811.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.25 End Date: 2013.11.25

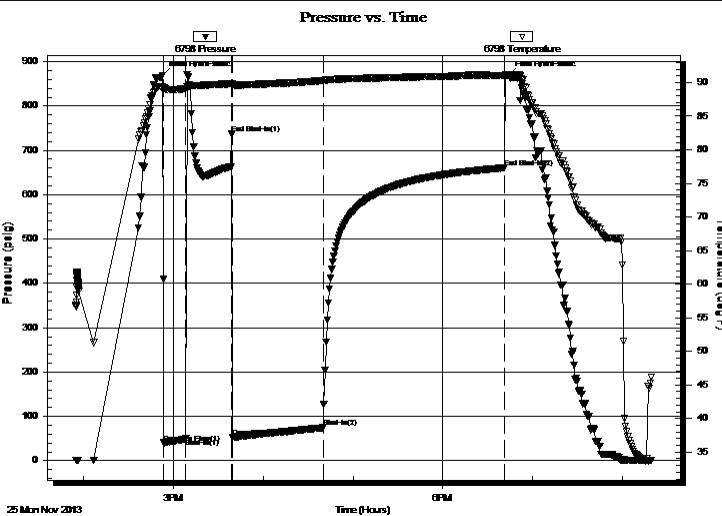
Last Calib.: 2013.11.25

Start Time: 13:54:39 End Time: 20:19:38

Time On Btm: 2013.11.25 @ 14:52:23

Time Off Btm: 2013.11.25 @ 18:43:38

TEST COMMENT: IF: Weak 3 inch Blow
IS: No Blow Back
FF: Weak Blow, Built to 1 1/2 inch
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	868.31	89.32	Initial Hydro-static
1	40.44	89.15	Open To Flow (1)
16	50.47	89.08	Shut-In(1)
47	736.54	89.85	End Shut-In(1)
47	51.89	89.55	Open To Flow (2)
108	75.68	90.27	Shut-In(2)
229	660.39	91.08	End Shut-In(2)
232	868.09	91.13	Final Hydro-static

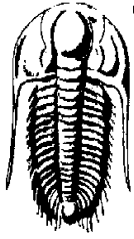
Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud	0.44

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dorado E & P Partners

32-31S 10E EIk

1401 17th Ste 1500
Denver, CO 80202

Touliatos 32-1

Job Ticket: 52524

DST#: 3

ATTN: Stephen Lynch

Test Start: 2013.11.25 @ 13:54:38

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: 37.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

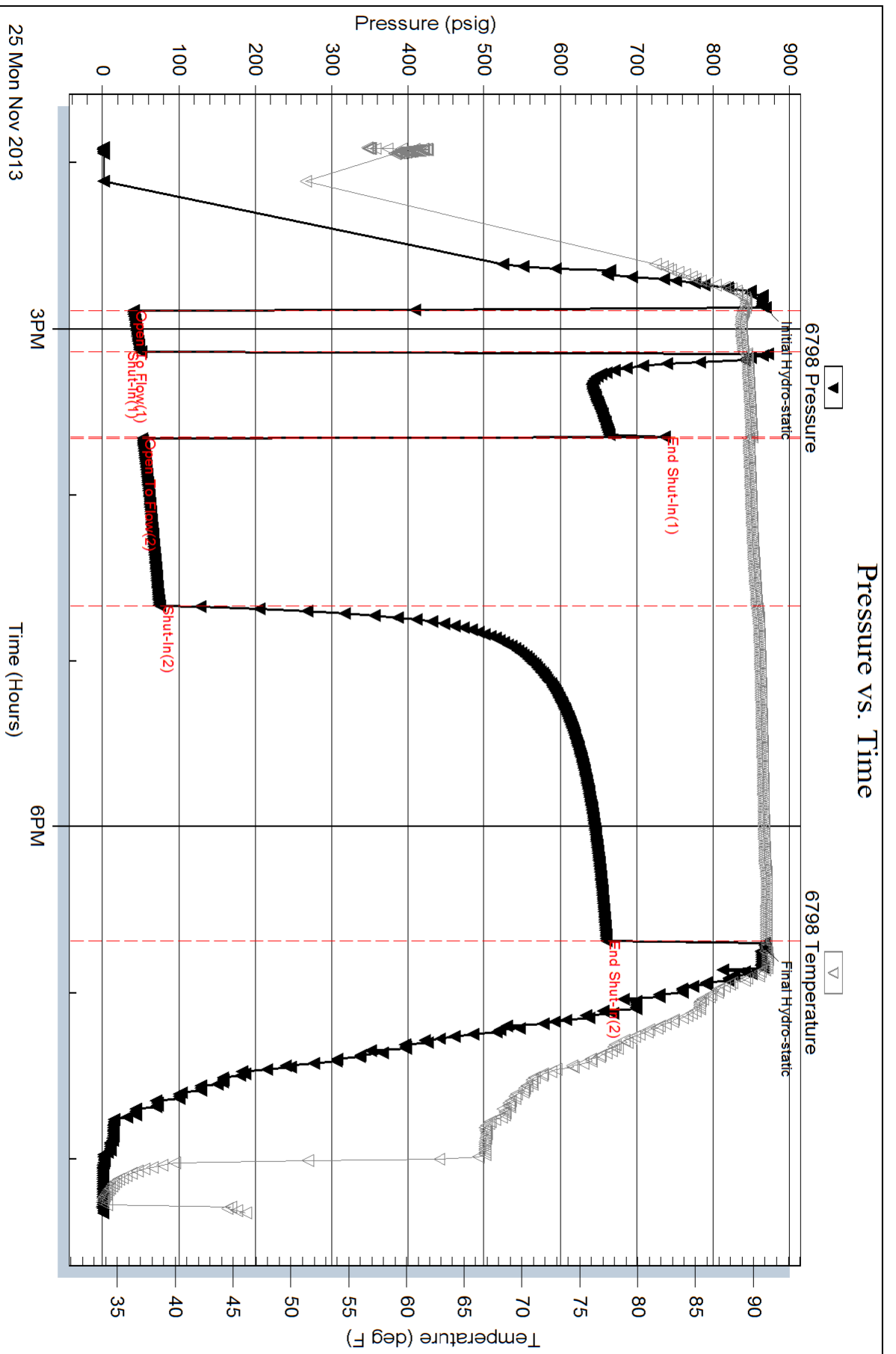
Num Gas Bombs: 0

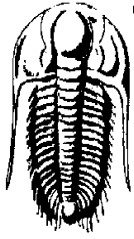
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dorado E & P Partners

32-31S 10E EIK

1401 17th Ste 1500
Denver, CO 80202

Touliatos 32-1

Job Ticket: 52525

DST#: 4

ATTN: Stephen Lynch

Test Start: 2013.11.26 @ 13:47:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:00

Time Test Ended: 20:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 2165.00 ft (KB) To 2205.00 ft (KB) (TVD)

Reference Elevations: 1148.00 ft (KB)

Total Depth: 2205.00 ft (KB) (TVD)

1142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 62.57 psig @ 2166.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.26

End Date: 2013.11.26

Last Calib.: 2013.11.26

Start Time: 13:47:01

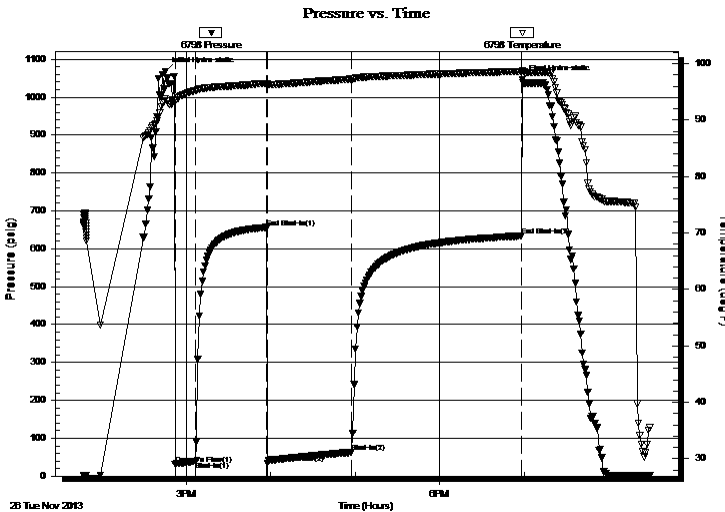
End Time: 20:30:00

Time On Btm: 2013.11.26 @ 14:45:15

Time Off Btm: 2013.11.26 @ 18:58:45

TEST COMMENT: IF: Weak 3 inch Blow
IS: No Blow Back
FF: Weak Blow, Built to 1 inch
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1068.24	93.76	Initial Hydro-static
7	31.44	93.38	Open To Flow (1)
22	39.43	95.21	Shut-In(1)
72	656.41	96.49	End Shut-In(1)
73	33.57	95.98	Open To Flow (2)
133	62.57	97.27	Shut-In(2)
253	633.50	98.65	End Shut-In(2)
254	1047.28	98.81	Final Hydro-static

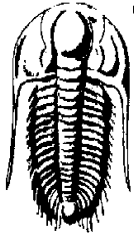
Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud	0.32

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dorado E & P Partners

32-31S 10E EIk

1401 17th Ste 1500
Denver, CO 80202

Touliatos 32-1

Job Ticket: 52525

DST#: 4

ATTN: Stephen Lynch

Test Start: 2013.11.26 @ 13:47:00

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: 37.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Mud	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

