



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1194798  
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: \_\_\_\_\_

1194798

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Messenger Petroleum, Inc.
Well Name	Kinsler-Dixon 1
Doc ID	1194798

Tops

Name	Top	Datum
Onaga	2326	-649
Howard	2769	-1092
Topeka	2890	-1213
Heebner	3269	-1592
Lansing	3489	-1812
Swope	3850	-2173
Hertha	3883	-2206
Miss	4178	-2501
RTD	4240	-2563
LTD	4243	-2566

# QUALITY WELL SERVICE, INC.

6047

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	11-20-13	Sec.	4	Twp.	29	Range	3	County	Kingman	State	Ks	On Location	10:30 P.M	Finish	1:00 A.M
Lease	Kinsler Dixon			Well No.	A1			Location	54 1/2 BLUEBERRY Hill Rd S to CLEVELAND						
Contractor	STEELING Delg #4							Owner	BKTOP IE IN E info						
Type Job	SURFACE							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.	225		Charge To	MESSENGER Pet. Inc.								
Csg.	8 5/8		Depth	219.01		Street									
Tbg. Size			Depth			City	State								
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint	20		Cement Amount Ordered	250 sac 60/40 P02								
Meas Line			Displace	12.7 Bbls		2 1/2 GAL 3% LL 1/4" CF.									
<b>EQUIPMENT</b>															
Pumptrk	No.	8		MIKE		Common	150								
Bulktrk	No.	9		CHAD		Poz. Mix	100								
Bulktrk	No.					Gel.	4								
Pickup	No.			TODD		Calcium	8								
<b>JOB SERVICES &amp; REMARKS</b>															
Rat Hole													Hulls		
Mouse Hole													Salt		
Centralizers													Flowseal	62.5"	
Baskets													Kol-Seal		
D/V or Port Collar													Mud CLR 48		
Run 5 #1's 8 5/8 23" csg													CFL-117 or CD110 CAF 38		
SET @ 219.01													Sand		
													Handling	262	
													Mileage	40	
Hook up to csg & Break circ w/leg													<b>8 5/8 FLOAT EQUIPMENT</b>		
Mk! Pump 250 sac 60/40 P02													Guide Shoe		
14 7/8 gal 1.25 fl 3													Centralizer		
Release 8 5/8 wooden Plug													Baskets		
Disp 12.7 Bbls total													AFU Inserts		
Close Valve on 12:45 300"													Float Shoe		
Good circ then JDB													Latch-Down	1 EA WOODEN Plug	
Circ CMT TO P.F													LW	40	
													Pumptrk Charge	SURFACE	
													Mileage	40	
Thanks TODD MIKE CHAD															
PLEASE CALL AGAIN															
Signature <i>[Signature]</i>															
													Tax		
													Discount		
													Total Charge		

# QUALITY WELL SERVICE, INC.

6052

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	11-27-13	Sec.	4	Twp.	29	Range	8	County	Kingman	State	Ks	On Location	8:30 PM	Finish	11:45 PM
Lease	Kinsler-Dixon			Well No.	1			Location	S4 <sup>1</sup> / <sub>2</sub> Blueberry Rd S to Cleveland						
Contractor	STEELING OILS #4							Owner	BLK TOP 1 E 1/2 N E into						
Type Job	PTA							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	77/8			T.D.	4240			Charge To	MESSENGER PET						
Csg.				Depth				Street							
Tbg. Size	D.P			Depth	1250			City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered	100 x 60/40						
Meas Line				Displace				4% GEL 1/4" CF.							
<b>EQUIPMENT</b>															
Pumptrk	No.	8			MIKE			Common	108						
Bulktrk	No.	9			CHAO			Poz. Mix	72						
Bulktrk	No.							Gel.	6						
Pickup	No.				7000			Calcium							
<b>JOB SERVICES &amp; REMARKS</b>															
Rat Hole	30 sx							Hulls							
Mouse Hole	20 sx							Salt							
Centralizers								Flowseal							
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
1 <sup>st</sup> Plug 1250'								CFL-117 or CD110 CAF 38							
35 sx 60/40 4% GEL 1/4" CF.								Sand							
Disp w/ H <sub>2</sub> O								Handling	136						
								Mileage	40						
<b>FLOAT EQUIPMENT</b>															
2 <sup>nd</sup> Plug 800'								Guide Shoe							
35 sx 60/40 4% GEL 1/4" CF.								Centralizer							
Disp w/ H <sub>2</sub> O								Baskets							
								AFU Inserts							
3 <sup>rd</sup> Plug 270'								Float Shoe							
35 sx 60/40 4% GEL 1/4" CF.								Latch Down							
Disp w/ H <sub>2</sub> O															
								LMU							
4 <sup>th</sup> Plug 60'								Pumptrk Charge	PTA						
25 sx 60/40 4% GEL 1/4" CF								Mileage	40						
Hands 1000 MIKE CHAO															
Signature <i>Tony S. Salgado</i>												Tax			
												Discount			
												Total Charge			



## DRILL STEM TEST REPORT

Prepared For: **Messenger Petro. Inc.**

525 S. Main St.  
Kingman, KS 67068-1968

ATTN: Jon Messenger

### **Kinsler-Dixon #1**

#### **4-29s-8w Kingman,KS**

Start Date: 2013.11.22 @ 11:48:27

End Date: 2013.11.22 @ 19:04:27

Job Ticket #: 51851                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.02 @ 11:32:26



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Messenger Petro. Inc.  
 525 S. Main St.  
 Kingman, KS 67068-1968  
 ATTN: Jon Messenger

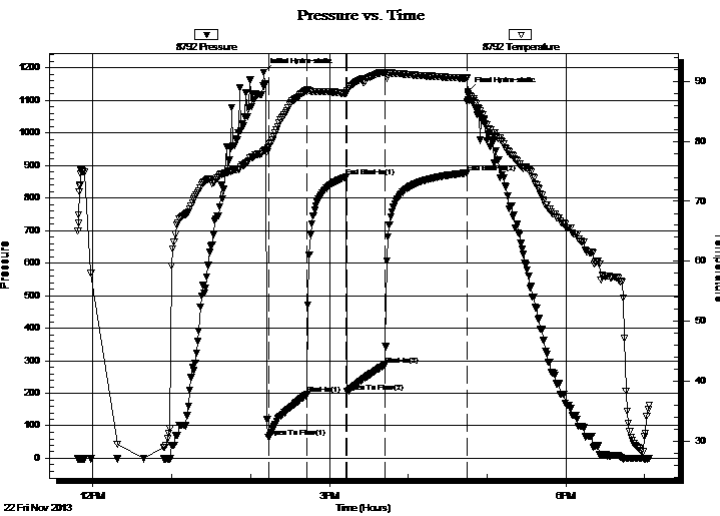
**4-29s-8w Kingman,KS**  
**Kinsler-Dixon #1**  
 Job Ticket: 51851 **DST#: 1**  
 Test Start: 2013.11.22 @ 11:48:27

## GENERAL INFORMATION:

Formation: **Indian Cave**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 14:13:27  
 Time Test Ended: 19:04:27  
 Interval: **2327.00 ft (KB) To 2365.00 ft (KB) (TVD)**  
 Total Depth: 2365.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ryan Reynolds  
 Unit No: 48  
 Reference Elevations: 1675.00 ft (KB)  
 1666.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8792 Outside**  
 Press@RunDepth: 286.99 psig @ 2328.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.22 End Date: 2013.11.22 Last Calib.: 2013.11.22  
 Start Time: 11:48:32 End Time: 19:04:26 Time On Btm: 2013.11.22 @ 14:10:12  
 Time Off Btm: 2013.11.22 @ 16:45:27

**TEST COMMENT:** IF: Strong blow . BOB @ 2 1/2 min. No GTS.  
 IS: Weak surf. blow  
 FF: Strong blow . BOB @ 6 min. No GTS.  
 FS: Weak surf. blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1186.07	78.43	Initial Hydro-static
4	64.05	78.84	Open To Flow (1)
33	196.84	88.55	Shut-In(1)
63	864.43	88.00	End Shut-In(1)
64	204.66	88.14	Open To Flow (2)
92	286.99	91.44	Shut-In(2)
155	877.21	90.55	End Shut-In(2)
156	1127.85	87.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
400.00	SLI GCMW 2%gas, 17%mud, 80%w tr	3.73
180.00	MCW 45%mud, 55%w tr	2.52

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Messenger Petro. Inc.  
525 S. Main St.  
Kingman, KS 67068-1968  
ATTN: Jon Messenger

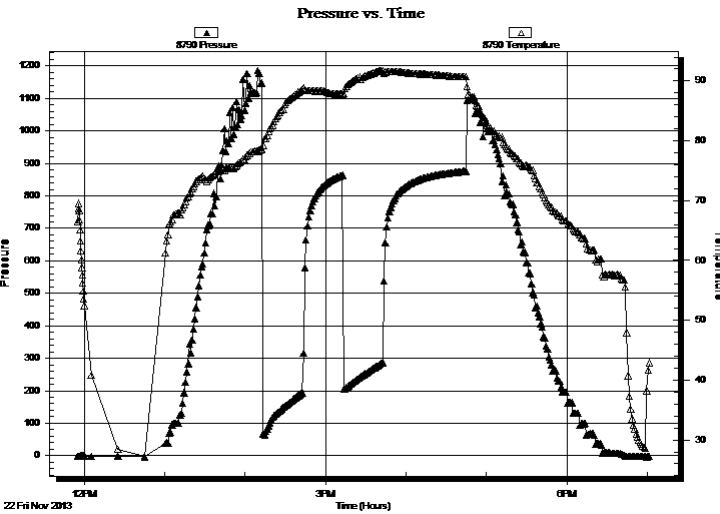
**4-29s-8w Kingman, KS**  
**Kinsler-Dixon #1**  
Job Ticket: 51851      **DST#: 1**  
Test Start: 2013.11.22 @ 11:48:27

## GENERAL INFORMATION:

Formation: **Indian Cave**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 14:13:27  
Time Test Ended: 19:04:27  
Interval: **2327.00 ft (KB) To 2365.00 ft (KB) (TVD)**  
Total Depth: 2365.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ryan Reynolds  
Unit No: 48  
Reference Elevations: 1675.00 ft (KB)  
1666.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8790**      **Inside**  
Press@RunDepth:                  psig @      2328.00 ft (KB)      Capacity:                                  8000.00 psig  
Start Date:                              2013.11.22      End Date:                                  2013.11.22      Last Calib.:                              2013.11.22  
Start Time:                              11:55:19      End Time:                                  19:02:13      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Strong blow . BOB @ 2 1/2 min. No GTS.  
IS: Weak surf. blow  
FF: Strong blow . BOB @ 6 min. No GTS.  
FS: Weak surf. blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
400.00	SLI GCMW 2%gas, 17%mud, 80%w tr	3.73
180.00	MCW 45%mud, 55%w tr	2.52

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Messenger Petro. Inc.  
525 S. Main St.  
Kingman, KS 67068-1968  
ATTN: Jon Messenger

**4-29s-8w Kingman,KS**  
**Kinsler-Dixon #1**  
Job Ticket: 51851      **DST#: 1**  
Test Start: 2013.11.22 @ 11:48:27

**Tool Information**

Drill Pipe:	Length: 2102.00 ft	Diameter: 3.80 inches	Volume: 29.49 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 206.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 30.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	2327.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			2306.00	
Hydraulic tool	5.00			2311.00	
Jars	5.00			2316.00	
Safety Joint	2.00			2318.00	
Packer	5.00			2323.00	26.00      Bottom Of Top Packer
Packer	4.00			2327.00	
Stubb	1.00			2328.00	
Recorder	0.00	8790	Inside	2328.00	
Recorder	0.00	8792	Outside	2328.00	
Perforations	34.00			2362.00	
Bullnose	3.00			2365.00	38.00      Bottom Packers & Anchor

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Messenger Petro. Inc.

**4-29s-8w Kingman,KS**

525 S. Main St.  
Kingman, KS 67068-1968

**Kinsler-Dixon #1**

Job Ticket: 51851

**DST#: 1**

ATTN: Jon Messenger

Test Start: 2013.11.22 @ 11:48:27

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity: 126000 ppm

Viscosity: 28.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 98000.00 ppm

Filter Cake: 0.01 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
400.00	SLI GCMW 2%gas, 17%mud, 80%w tr	3.734
180.00	MCW 45%mud, 55%w tr	2.525

Total Length: 580.00 ft

Total Volume: 6.259 bbl

Num Fluid Samples: 0

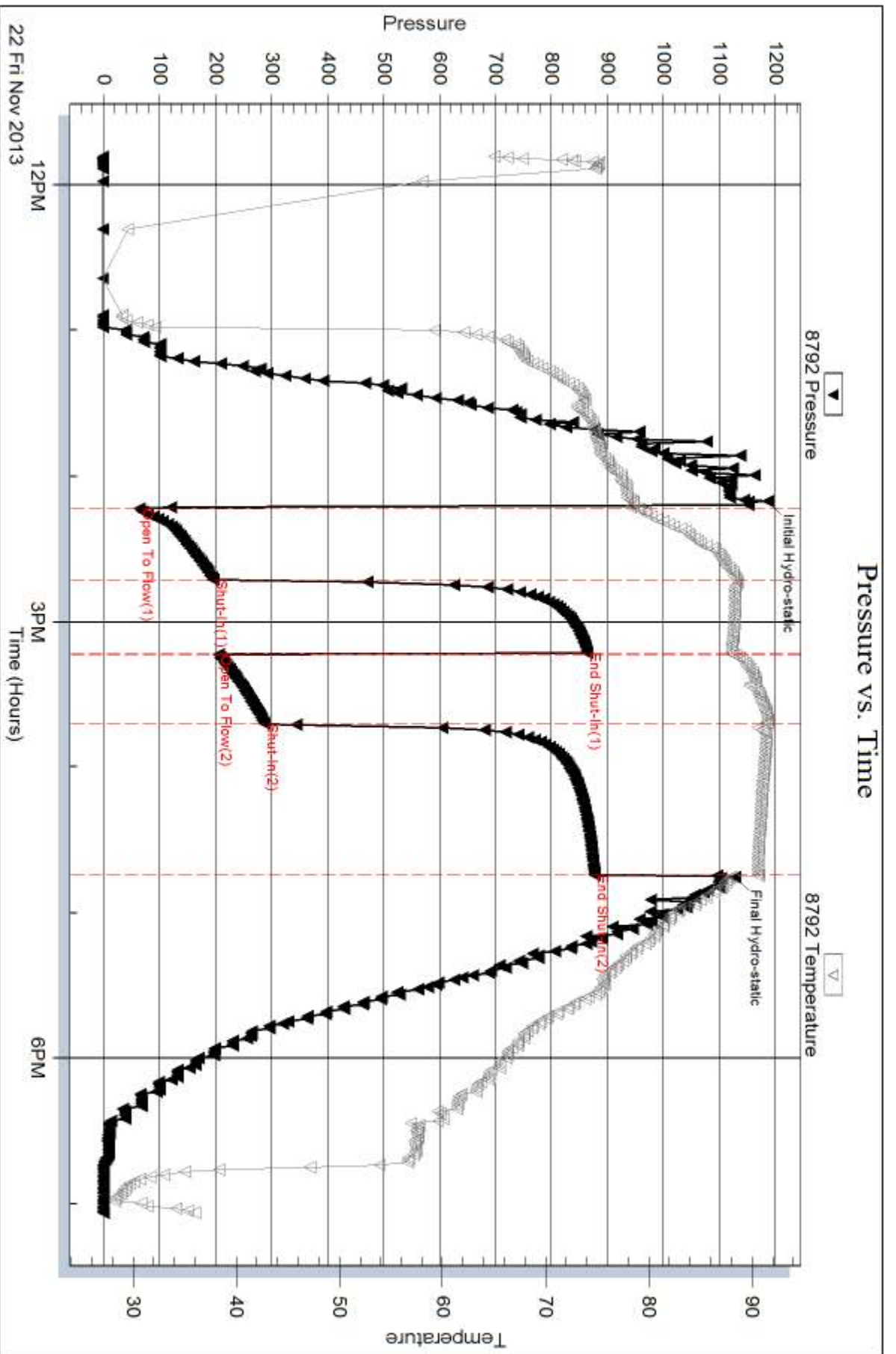
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



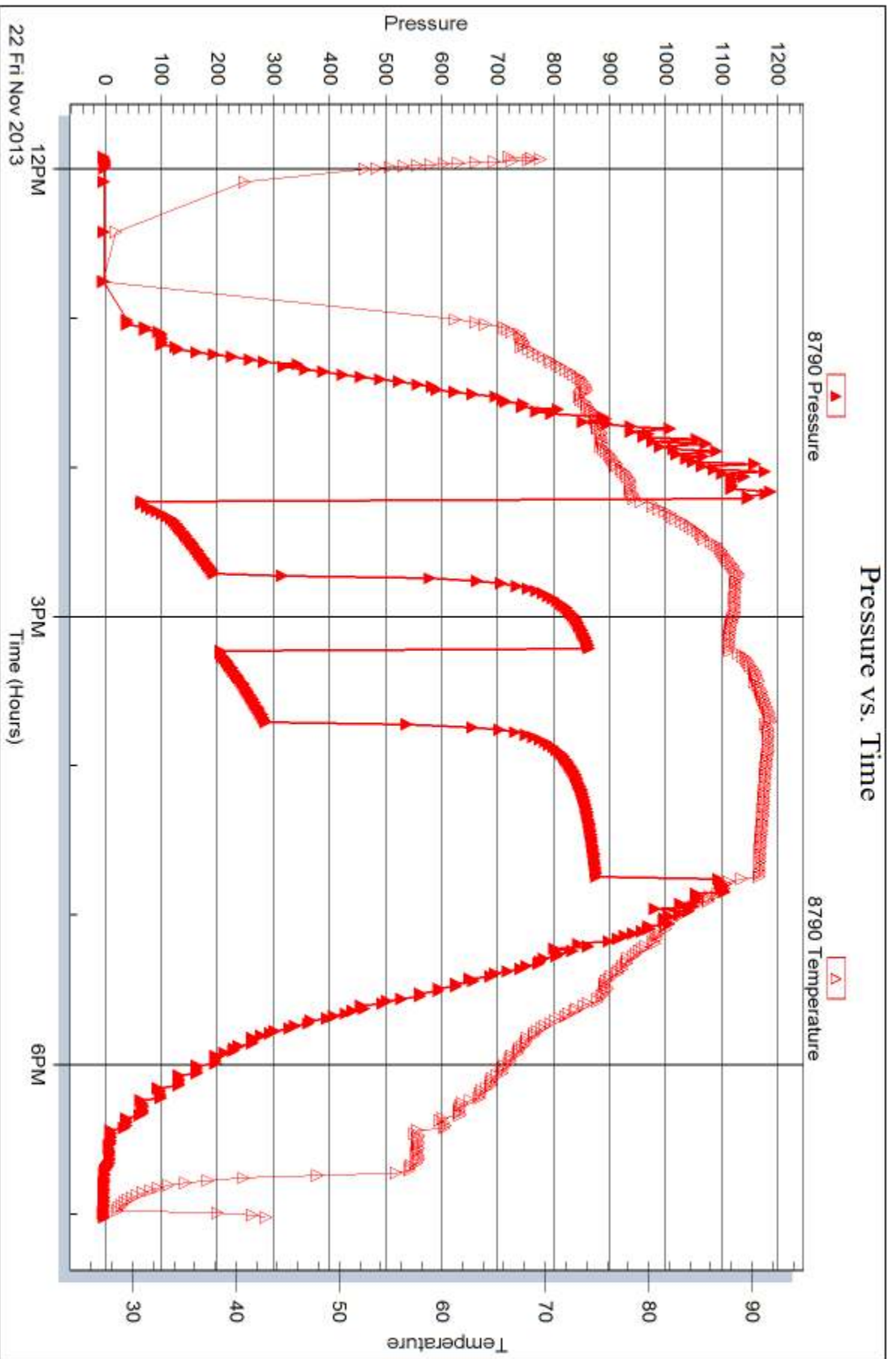
Serial #: 8790

Inside

Messenger Retro. Inc.

Kinsler-Dixon #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 51851

Printed: 2013.12.02 @ 11:32:29



## DRILL STEM TEST REPORT

Prepared For: **Messenger Petro. Inc.**

525 S. Main St.  
Kingman, KS 67068-1968

ATTN: Jon Messenger

### **Kinsler-Dixon #1**

#### **4-29s-8w Kingman,KS**

Start Date: 2013.11.26 @ 12:24:35

End Date: 2013.11.27 @ 07:02:05

Job Ticket #: 51828                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.02 @ 11:31:44

Messenger Petro. Inc.  
4-29s-8w Kingman,KS  
Kinsler-Dixon #1  
DST # 2  
Mississippi  
2013.11.26



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Messenger Petro. Inc.  
525 S. Main St.  
Kingman, KS 67068-1968  
ATTN: Jon Messenger

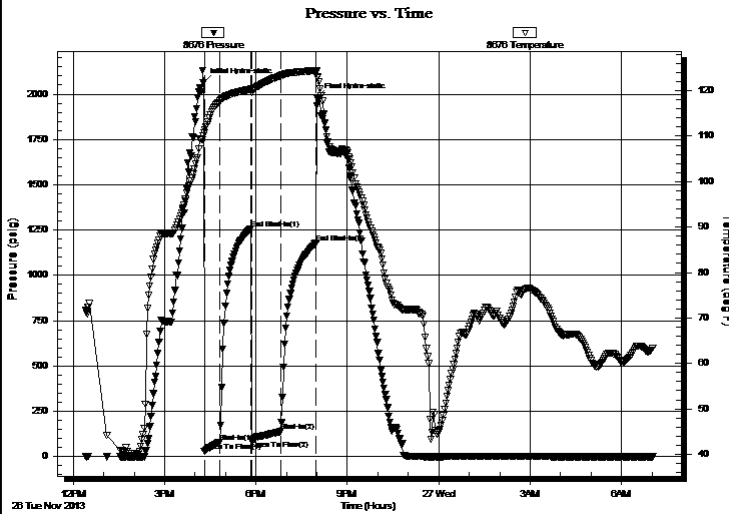
**4-29s-8w Kingman,KS**  
**Kinsler-Dixon #1**  
Job Ticket: 51828 **DST#: 2**  
Test Start: 2013.11.26 @ 12:24:35

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 16:18:05  
Time Test Ended: 07:02:05  
Interval: **4178.00 ft (KB) To 4192.00 ft (KB) (TVD)**  
Total Depth: 4192.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Stuart Stover  
Unit No: 48  
Reference Elevations: 1675.00 ft (KB)  
1666.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8676 Inside**  
Press@RunDepth: 137.44 psig @ 4179.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.11.26 End Date: 2013.11.27 Last Calib.: 2013.11.26  
Start Time: 12:24:40 End Time: 07:02:04 Time On Btm: 2013.11.26 @ 16:16:35  
Time Off Btm: 2013.11.26 @ 20:00:50

TEST COMMENT: IFP - BOB in 10 min  
ISI - No blow back  
FFP - Weak building blow built to 9"  
FSI - No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.32	110.05	Initial Hydro-static
2	28.52	110.69	Open To Flow (1)
32	79.18	117.75	Shut-In(1)
94	1258.28	120.34	End Shut-In(1)
95	87.24	119.63	Open To Flow (2)
152	137.44	123.26	Shut-In(2)
223	1180.32	124.47	End Shut-In(2)
225	1981.56	123.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	300' GIP	0.00
255.00	GMW 5%G 5%M 90%W	1.70

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Messenger Petro. Inc.  
525 S. Main St.  
Kingman, KS 67068-1968  
ATTN: Jon Messenger

**4-29s-8w Kingman, KS**

**Kinsler-Dixon #1**

Job Ticket: 51828 **DST#: 2**

Test Start: 2013.11.26 @ 12:24:35

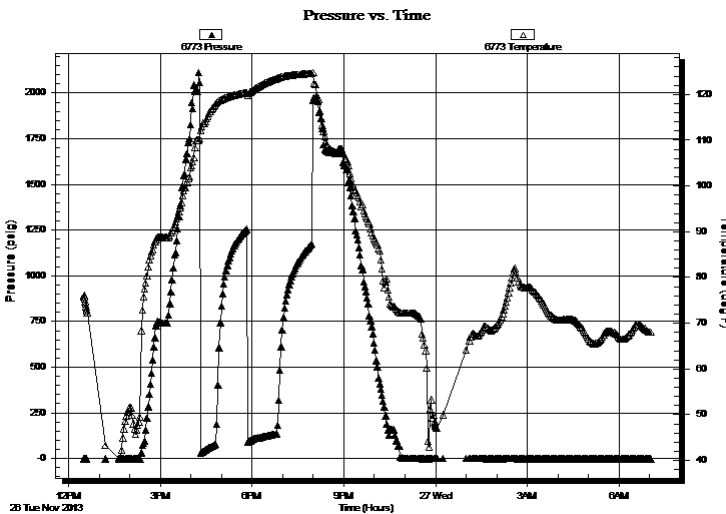
**GENERAL INFORMATION:**

Formation: **Mississippian**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 16:18:05  
 Time Test Ended: 07:02:05  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Stuart Stover  
 Unit No: 48  
 Interval: **4178.00 ft (KB) To 4192.00 ft (KB) (TVD)**  
 Reference Elevations: 1675.00 ft (KB)  
 Total Depth: 4192.00 ft (KB) (TVD)  
 1666.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 9.00 ft

**Serial #: 6773** **Outside**

Press@RunDepth: psig @ 4179.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.26 End Date: 2013.11.27 Last Calib.: 2013.11.26  
 Start Time: 12:29:30 End Time: 07:02:28 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IFP - BOB in 10 min  
 ISI - No blow back  
 FFP - Weak building blow built to 9"  
 FSI - No blow back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	300' GIP	0.00
255.00	GMW 5%G 5%M 90%W	1.70

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Messenger Petro. Inc.  
525 S. Main St.  
Kingman, KS 67068-1968  
ATTN: Jon Messenger

**4-29s-8w Kingman,KS**  
**Kinsler-Dixon #1**  
Job Ticket: 51828      **DST#: 2**  
Test Start: 2013.11.26 @ 12:24:35

**Tool Information**

Drill Pipe:	Length: 3951.00 ft	Diameter: 3.80 inches	Volume: 55.42 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 206.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 56.43 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	84000.00 lb
Depth to Top Packer:	4178.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	40.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			4157.00	
Hydraulic tool	5.00			4162.00	
Jars	5.00			4167.00	
Safety Joint	2.00			4169.00	
Packer	5.00			4174.00	26.00      Bottom Of Top Packer
Packer	4.00			4178.00	
Stubb	1.00			4179.00	
Recorder	0.00	8676	Inside	4179.00	
Recorder	0.00	6773	Outside	4179.00	
Perforations	10.00			4189.00	
Bullnose	3.00			4192.00	14.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Messenger Petro. Inc.

**4-29s-8w Kingman,KS**

525 S. Main St.  
Kingman, KS 67068-1968

**Kinsler-Dixon #1**

Job Ticket: 51828

**DST#: 2**

ATTN: Jon Messenger

Test Start: 2013.11.26 @ 12:24:35

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 60.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4500.00 ppm  
Filter Cake: 3.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	300' GIP	0.000
255.00	GMW 5%G 5%M 90%W	1.700

Total Length: 255.00 ft      Total Volume: 1.700 bbl

Num Fluid Samples: 0

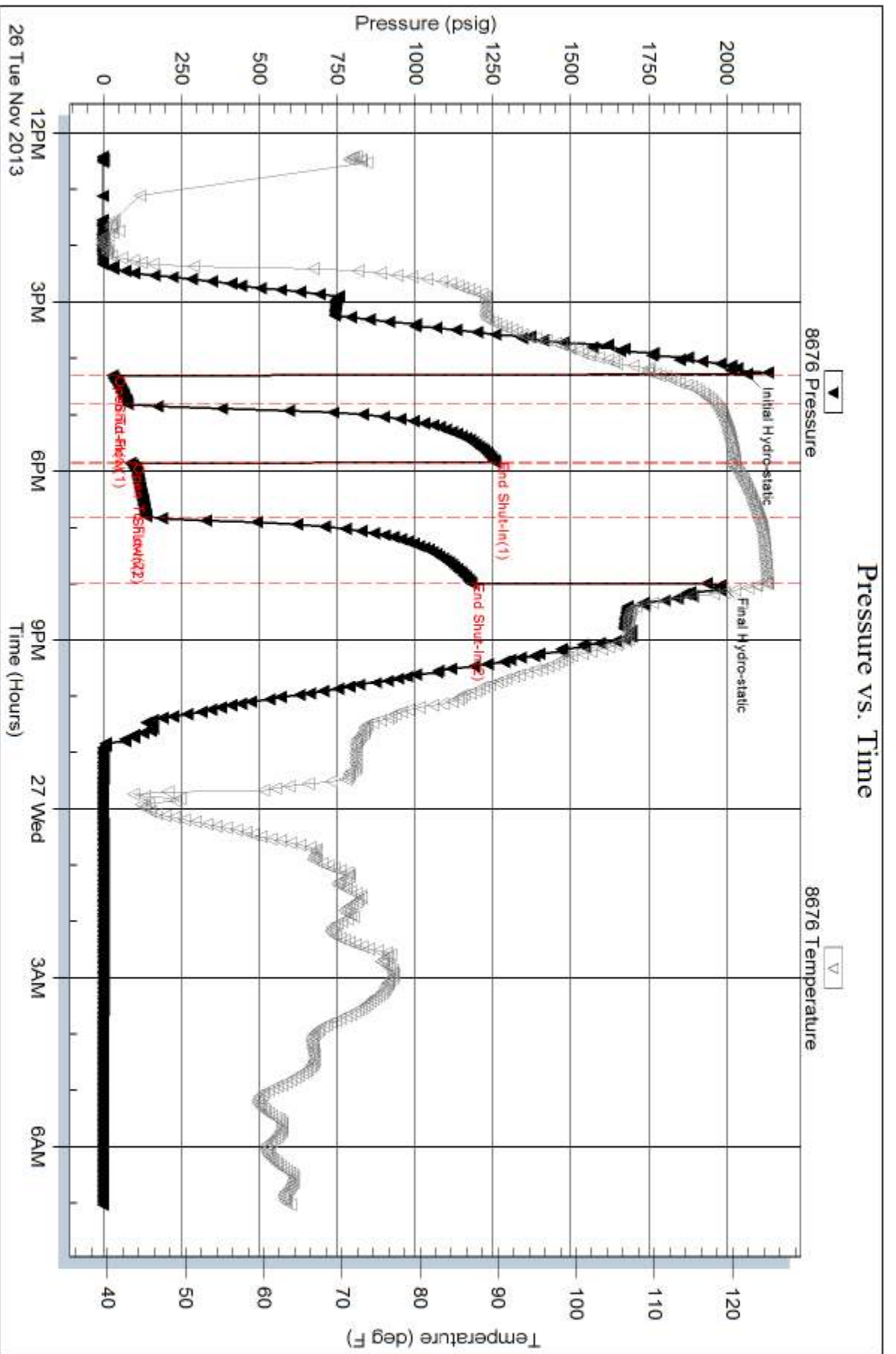
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

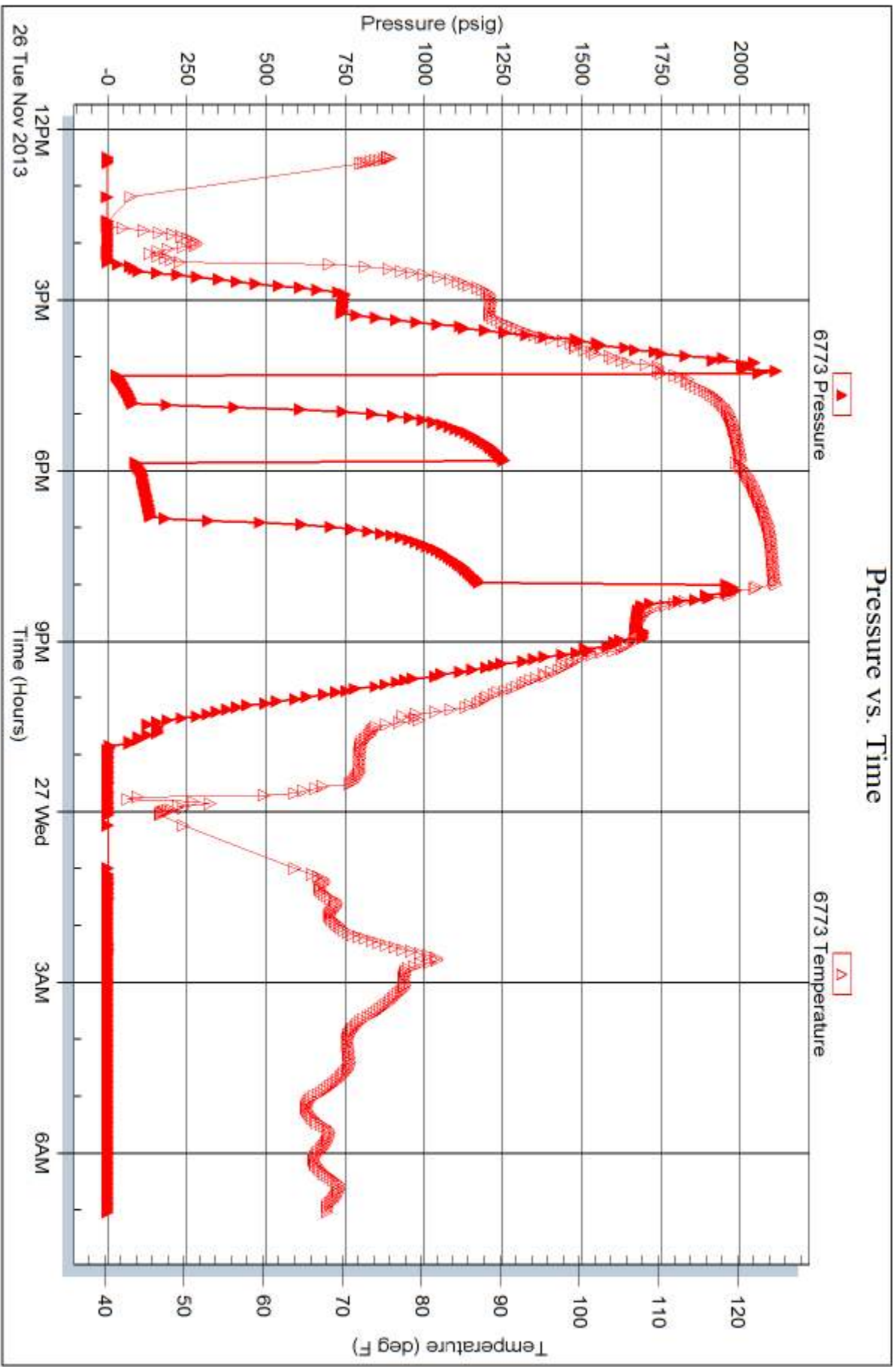


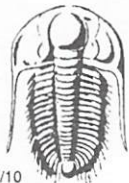
Serial #: 6773

Outside Messenger Petro, Inc.

Kinsler-Dixon #1

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 51851

Well Name & No. Kinsler - Dixon #1 Test No. 1 Date 11-22-13  
 Company Messenger Petro. Inc. Elevation 1675 KB 1666 GL  
 Address 525 S. Main St. Kingman, KS 67068 - 1968  
 Co. Rep / Geo. Jon Messenger Rig Sterling 4  
 Location: Sec. 4 Twp. 29s. Rge. 8w. Co. Kingman State KS

Interval Tested 2327 - 2365 Zone Tested Indian Cave  
 Anchor Length 38 Drill Pipe Run 2102 Mud Wt. 9.7  
 Top Packer Depth 2322 Drill Collars Run 206 Vis 28  
 Bottom Packer Depth 2327 Wt. Pipe Run Ø WL (Premix spdl on btm)  
 Total Depth 2365 Chlorides 95000 ppm System LCM Ø

Blow Description IFI: Strong blow. BOB @ 2 1/2" No GTS  
ISI: Weak surf. blow.  
FF: Strong blow. BOB @ 6 min. No GTS  
FSI: Weak surf. blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>MCW</u>		<u>55</u>	<u>45</u>	
<u>400</u>	<u>SLI 6 CMW</u>	<u>2</u>	<u>80</u>	<u>17</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 580 BHT 91 Gravity N/C API RW 15 @ 36 °F Chlorides 126000 ppm

(A) Initial Hydrostatic <u>1186</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0900</u>
(B) First Initial Flow <u>64</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1149</u>
(C) First Final Flow <u>197</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1413</u>
(D) Initial Shut-In <u>864</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1644</u>
(E) Second Initial Flow <u>205</u>	<input checked="" type="checkbox"/> Hourly Standby <u>1 hr.</u>	T-Out <u>1904</u>
(F) Second Final Flow <u>287</u>	<input checked="" type="checkbox"/> Mileage <u>90</u> <u>139.50</u>	Comments
(G) Final Shut-In <u>877</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1128</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1614.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1614.50</u>	

Approved By

Our Representative

*Ryan Reynolds*

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. 51828

Well Name & No. KINSLER - DIXON 1 Test No. 417 2 Date 4-26-13  
 Company Messenger Petroleum Elevation 1668 KB 1677 GL  
 Address 525 S. MAIN KINGMAN KS 67068  
 Co. Rep / Geo. Jon Messenger Rig Starling #4  
 Location: Sec. 4 Twp. 29S Rge. 8W Co. KINGMAN State KS

Interval Tested 4178 - 4192 Zone Tested MISS  
 Anchor Length 14' Drill Pipe Run 3948 Mud Wt. 9.1  
 Top Packer Depth 4173 Drill Collars Run 208 Vis 60  
 Bottom Packer Depth 4178 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4192 Chlorides 4500 ppm System LCM 3#  
 Blow Description IF - BOB IN 10 MIN  
FF - 1" Boulding to 9"

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>GIP</u>				
<u>255</u>	<u>Gas mdy wtr 5</u>		<u>90</u>		<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW 0.8 @ 75 °F Chlorides 95,000 ppm

(A) Initial Hydrostatic 2064  Test 1250 T-On Location 11:30 AM  
 (B) First Initial Flow 29  Jars 250 T-Started 1:00  
 (C) First Final Flow 79  Safety Joint 75 T-Open 4:20  
 (D) Initial Shut-In 1258  Circ Sub \_\_\_\_\_ T-Pulled 7:50  
 (E) Second Initial Flow 87  Hourly Standby \_\_\_\_\_ T-Out 10:30  
 (F) Second Final Flow 137  Mileage 139.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1180  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1981  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60

Sub Total 1714.50  
 Total 1714.50  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Shawn Ste...  
 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.