

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
June 2009  
**Form Must Be Typed  
Form must be Signed  
All blanks must be Filled**

OPERATOR: License # 4706  
Name: Messenger Petroleum, Inc.  
Address 1: 525 S Main  
Address 2: \_\_\_\_\_  
City: Kingman State: KS Zip: 67068 + \_\_\_\_\_  
Contact Person: Jon F. Messenger  
Phone: ( 620 ) 532-5400  
CONTRACTOR: License # 5142  
Name: Sterling Drilling Co.  
Wellsite Geologist: Jon F. Messenger  
Purchaser: OneOK

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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
09-23-2011    09-30-2011    11-29-2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 095-22234-0000  
Spot Description: \_\_\_\_\_  
NW SE NW NW Sec. 15 Twp. 28 S. R. 7  East  West  
826 Feet from  North /  South Line of Section  
921 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Kingman  
Lease Name: Frazier Trust Well #: 1  
Field Name: Prather East  
Producing Formation: Mississippian  
Elevation: Ground: 1569 Kelly Bushing: 1580  
Total Depth: 4046 Plug Back Total Depth: 4007  
Amount of Surface Pipe Set and Cemented at: 225 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 225  
feet depth to: surface w/ 220 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 105,000 ppm Fluid volume: 1500 bbls  
Dewatering method used: settlement  
Location of fluid disposal if hauled offsite:  
Operator Name: Messenger Petroleum, Inc  
Lease Name: Nicholas License #: 4706  
Quarter NE Sec. 20 Twp. 30 S. R. 8  East  West  
County: Kingman Permit #: 27,434

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**JUN 18 2012**  
**KCC WICHITA**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: [Signature]  
Title: President Date: 06-14-2012

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 6/22/12

Operator Name: Messenger Petroleum, Inc. Lease Name: Frazier Trust Well #: 1  
 Sec. 15 Twp. 28 S. R. 7  East  West County: Kingman

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>DCP/DIL/MEL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3005</td> <td>-1425</td> </tr> <tr> <td>Lansing</td> <td>3257</td> <td>-1677</td> </tr> <tr> <td>Swope</td> <td>3619</td> <td>-2039</td> </tr> <tr> <td>Hertha</td> <td>3654</td> <td>-2074</td> </tr> <tr> <td>Miss</td> <td>3964</td> <td>-2384</td> </tr> <tr> <td>RTD</td> <td>4050</td> <td>-2470</td> </tr> <tr> <td>LTD</td> <td>4046</td> <td>-2466</td> </tr> </table>	Name	Top	Datum	Heebner	3005	-1425	Lansing	3257	-1677	Swope	3619	-2039	Hertha	3654	-2074	Miss	3964	-2384	RTD	4050	-2470	LTD	4046	-2466
Name	Top	Datum																							
Heebner	3005	-1425																							
Lansing	3257	-1677																							
Swope	3619	-2039																							
Hertha	3654	-2074																							
Miss	3964	-2384																							
RTD	4050	-2470																							
LTD	4046	-2466																							

CASING RECORD <input checked="" 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
surface	12-1/4"	8-5/8" new	23#	225	60/40 poz	220	2%gel,3%CC,1*4#CF
production	7-7/8"	4-1/2" used	10.50#	4043	AA-2	90	0.5%FLA, 75%GB, 10%slt
							5# gil, 1/4# CF

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				

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
2	perf Miss @ 3964-3968	500 gal 10% MCA	
			<b>RECEIVED</b> <b>JUN 18 2012</b> <b>KCC WICHITA</b>

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>3996</u> Packer At: <u>none</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>waiting on gas line</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>-0-</u> Gas Mcf <u>177</u> Water Bbls. <u>45</u> Gas-Oil Ratio <u>177,000:1</u> Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Miss 3964-3968</u>
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# QUALITY WELL SERVICE, INC.

3302

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

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

Date	9-23-11	Sec.	15	Twp.	23	Range	7	County	Kingman	State	Ki	On Location		Finish	
Lease	FRATTON TRACT			Well No.	H1			Location							
Contractor								Owner							
STERLING DRILL #1								7th Ave E to 3700th St 15 W 12th							
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	17 1/4			T.D.	229			Charge To							
Csg.	353 731			Depth	73222			WESSENGER, P. J.							
Tbg. Size				Depth				Street							
Tool				Depth				City							
Cement Left in Csg.				Shoe Joint	20			State							
Meas Line				Displace	1353265			The above was done to satisfaction and supervision of owner agent or contractor.							
								Cement Amount Ordered							
								7205x 1040							

EQUIPMENT				2 1/2" CEL 30% CC 1 1/4" CF			
Pumptrk	3	No.		Common	132		
Bulktrk	1	No.		Poz. Mix	50		
Bulktrk		No.		Gel.	4		
Pickup		No.		Calcium	7		

JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Run 5 1/2" 75/3 73 + CSC,				Sand			
Mix 1 Pump 220 x 1040				Handling			
2 1/2" CEL 30% CC 1 1/4" CF				Mileage			
14.7 1/2" L 1.25 + 13				30			
SHUT DOWN RELEASE WOODEN PLUGS				25/3 FLOAT EQUIPMENT			
Also #13.53 Pbk total				Guide Shoe			
Close Valve on CSC				Centralizer			
Pump ran to 10:00 PM				Baskets			
1705 CDC thru JOB				AFU Inserts			
CORD OUT TO PIT				Float Shoe			
Thanks				Latch Down			
TODD MARRIS - BRAND				1 Wooden Plug			
Signature				Pumptrk Charge			
				Surface			
				Mileage			
				30			
				Tax			
				Discount			
				Total Charge			

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**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET

1718 05019 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 10-1-11 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Messers Petroleum		LEASE Frazier Trust		WELL NO. 1					
ADDRESS		COUNTY Kingman		STATE KS					
CITY		STATE		SERVICE CREW Del. Jo, Mitchell, Hunter					
AUTHORIZED BY		JOB TYPE: CNW - 4" L.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 10-1-11	DATE 10-1-11	AM PM	TIME 7:00
27273	1					ARRIVED AT JOB		AM PM	10:00
27463	1					START OPERATION		AM PM	
19831-19863	1					FINISH OPERATION		AM PM	
						RELEASED		AM PM	
						MILES FROM STATION TO WELL			35

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE:: REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AAA Cement	SK	90		1530.00
CP103	60/40 POZ	SK	55		660.00
CC102	Collinite	Lb	23		85.10
CC111	SALT	Lb	414		907.00
CC115	Gas Block	Lb	64		329.60
CC129	FLA-322	Lb	43		322.50
CC201	Colsonite	Lb	450		301.50
CS102	Tri-Rubber Plug 4 1/2"	ea	1		20.00
CC250	60/40 POZ 4 1/2"	ea	1		225.00
CS1450	Slapper Type Insert 4 1/2"	ea	1		200.00
CS1650	Turbocore 4 1/2"	ea	4		340.00
CS2002	Cement Separators Rotating Type	ea	2.0		1000.00
CC151	Mud Gum	Gal	500		430.00
CC204	KCL SALT	Gal	4		140.00
E100	Pump Rentals	mi	35		148.75
E101	Heavy Equipment Mileage	mi	22		490.00
E112	Bulk Drilling	Ton	232		372.40
CF205	Depth Chart HANDI-SOUND	ea	1		3500.00
CF240	Blending & Mixing Service Charge	SK	145		203.00

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SUB TOTAL NLS 8065.78

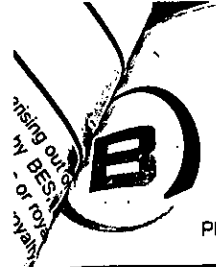
CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY *[Signature]*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



**BASIC<sup>SM</sup>**  
 ENERGY SERVICES  
 PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
 P.O. Box 8613  
 Pratt, Kansas 67124  
 Phone 620-672-1201

**FIELD SERVICE TICKET**

Continuation of 1718 ~~0519~~ **A**  
 5019

DATE OF JOB <b>10-1-11</b> DISTRICT <b>Pratt</b>					NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:		
CUSTOMER <b>Messenger Petroleum</b>				LEASE <b>Frazier Lease</b>		WELL NO. <b>1</b>	
ADDRESS				COUNTY <b>Kingman</b>		STATE <b>Ks</b>	
CITY				SERVICE CREW <b>Del. J. Mitchell Hunter</b>			
AUTHORIZED BY				JOB TYPE: <b>CNW - H/L</b>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE <b>10-1-11</b> TIME <b>7:30</b>
<b>27283</b>	<b>1</b>					ARRIVED AT JOB	<b>7</b> AM <b>PM</b> <b>12:00</b>
<b>27463</b>	<b>1</b>					START OPERATION	<b>1</b> AM <b>PM</b>
<b>19731-19862</b>	<b>1</b>					FINISH OPERATION	<b>1</b> AM <b>PM</b>
						RELEASED	<b>1</b> AM <b>PM</b>
						MILES FROM STATION TO WELL	<b>55</b>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CES01	Casing Swivel Rental	ea	1		20000
CES04	Plug Container	ea	1		25000
S003	Service Supervisor	ea	1		17500

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CHEMICAL / ACID DATA:			

SUB TOTAL			<b>DLS 8065 98</b>
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE **Steve Orlando** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY

FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

TREATMENT REPORT

Customer: Massman Petroleum Lease No. \_\_\_\_\_ Date: 10-1-11  
 Lease: Frazee Tract Well # 1  
 Field Order # 5017 Station Pact 1 Casing # H-10 Depth \_\_\_\_\_ County Kingman State KS  
 Type Job CNW - H<sub>2</sub>O, L.S. Formation \_\_\_\_\_ Legal Description 15-23-7

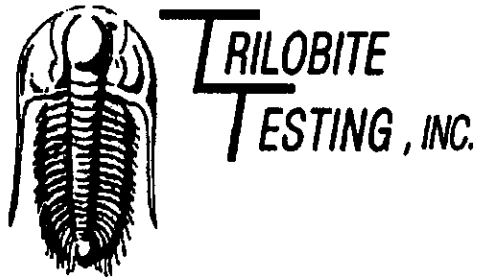
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
4 1/2" ID	3 1/2"	905		AA2				
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
				60/40 spacer				
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
				60/40 <sup>20% H<sub>2</sub>O</sup>				
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
				611				

Customer Representative: Jon Messner Station Manager: Dave Scott Treater: Steve G...

Service Units	Driver Names								
27275	Orlando	27413	17331	17362					
	Michael								
	Heath								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					On location - 34' H <sub>2</sub> O
					Run 905 ft. 4 1/2" casing 34' H <sub>2</sub> O
					Conductivity log
					Casing 60/40 spacer - 1300 ft. 4 1/2"
					Conductivity log 1-2 1/2 H <sub>2</sub> O
5:00	200		11	5	Max 2500
5:00	200		5	5	H <sub>2</sub> O spacer
5:00	200		6	5	Max 2500 60/40 spacer
5:00	200		22	5	Max 905 ft. AA2 spacer
					Clear pump & H <sub>2</sub> O
					Release Plug
5:00	0		0	6	Start H <sub>2</sub> O displacement w/ KCL H <sub>2</sub> O
5:00	200		50	5	High Pressure
5:00	200		54	4	Slow Rate
1:00	1500		64.0	4	Pressure down - H <sub>2</sub> O
					Pressure 1100 w/ 2.5% 60/40
					Jon Campbell
					Steve

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## DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main  
Kingman, KS 67068

ATTN: Jon F Messenger

**Frazier Trust #1**

**15-28s-7w Kingman,KS**

Start Date: 2011.09.28 @ 09:43:32

End Date: 2011.09.28 @ 17:35:02

Job Ticket #: 44062                      DST #: 1

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

# ORIGINAL

Printed: 2011.10.10 @ 15:09:33

Messenger Petroleum Inc

15-28s-7w Kingman,KS

Frazier Trust #1

DST # 1

Swope

2011.09.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Messenger Petroleum Inc

15-28s-7w Kingman, KS

525 S Main  
Kingman, KS 67068

Frazier Trust #1

Job Ticket: 44062

DST#: 1

ATTN: Jon F Messenger

Test Start: 2011.09.28 @ 09:43:32

## GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:57:32

Time Test Ended: 17:35:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 34

Interval: **3615.00 ft (KB) To 3630.00 ft (KB) (TVD)**

Total Depth: 3630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1581.00 ft (KB)

1570.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6773** Outside

Press@RunDepth: 121.12 psig @ 3616.00 ft (KB)

Start Date: 2011.09.28

End Date:

2011.09.28

Capacity: 8000.00 psig

Last Calib.: 2011.09.28

Start Time: 09:43:37

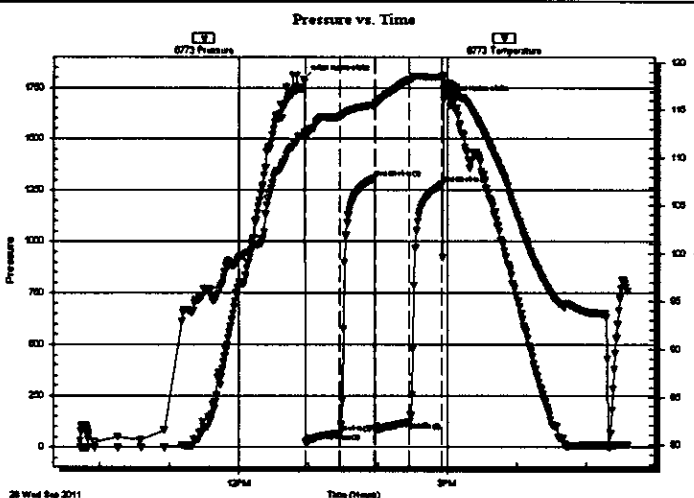
End Time:

17:35:01

Time On Btm: 2011.09.28 @ 12:55:47

Time Off Btm: 2011.09.28 @ 14:56:32

TEST COMMENT: IF: Weak blow 4 1/4" in 30 min  
IS: No blow back  
FF: Weak blow 2 1/2" in 30 min  
FSI: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.05	112.23	Initial Hydro-static
2	24.06	112.45	Open To Flow (1)
31	68.89	114.26	Shut-In(1)
61	1308.33	115.58	End Shut-In(1)
62	82.61	115.74	Open To Flow (2)
91	121.12	118.19	Shut-In(2)
120	1277.49	118.51	End Shut-In(2)
121	1690.86	118.69	Final Hydro-static

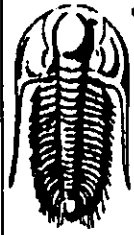
## Recovery

Length (ft)	Description	Volume (bbl)
200.00	Muddy Water 20% mud 80% water	7.59

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Messenger Petroleum Inc

**15-28s-7w Kingman,KS**

525 S Main  
Kingman, KS 67068

**Frazier Trust #1**

Job Ticket: 44062

**DST#: 1**

ATTN: Jon F Messenger

Test Start: 2011.09.28 @ 09:43:32

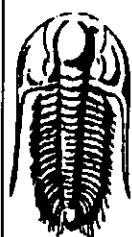
**Tool Information**

Drill Pipe:	Length: 3382.00 ft	Diameter: 3.80 inches	Volume: 47.44 bbl	Tool Weight: 2200.00 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: 217.00 ft	Diameter: 6.25 inches	Volume: 8.23 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.67 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3615.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3587.00	
Shut In Tool	5.00			3592.00	
Hydraulic tool	5.00			3597.00	
Jars	5.00			3602.00	
Safety Joint	3.00			3605.00	
Packer	5.00			3610.00	29.00 Bottom Of Top Packer
Packer	5.00			3615.00	
Stubb	1.00			3616.00	
Recorder	0.00	6773	Outside	3616.00	
Recorder	0.00	8166	Outside	3616.00	
Perforations	11.00			3627.00	
Bullnose	3.00			3630.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Messenger Petroleum Inc

**15-28s-7w Kingman,KS**

525 S Main  
Kingman, KS 67068

**Frazier Trust #1**

Job Ticket: 44062

DST#: 1

ATTN: Jon F Messenger

Test Start: 2011.09.28 @ 09:43:32

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
200.00	Muddy Water 20% mud 80% water	7.589

Total Length: 200.00 ft

Total Volume: 7.589 bbl

Num Fluid Samples: 0

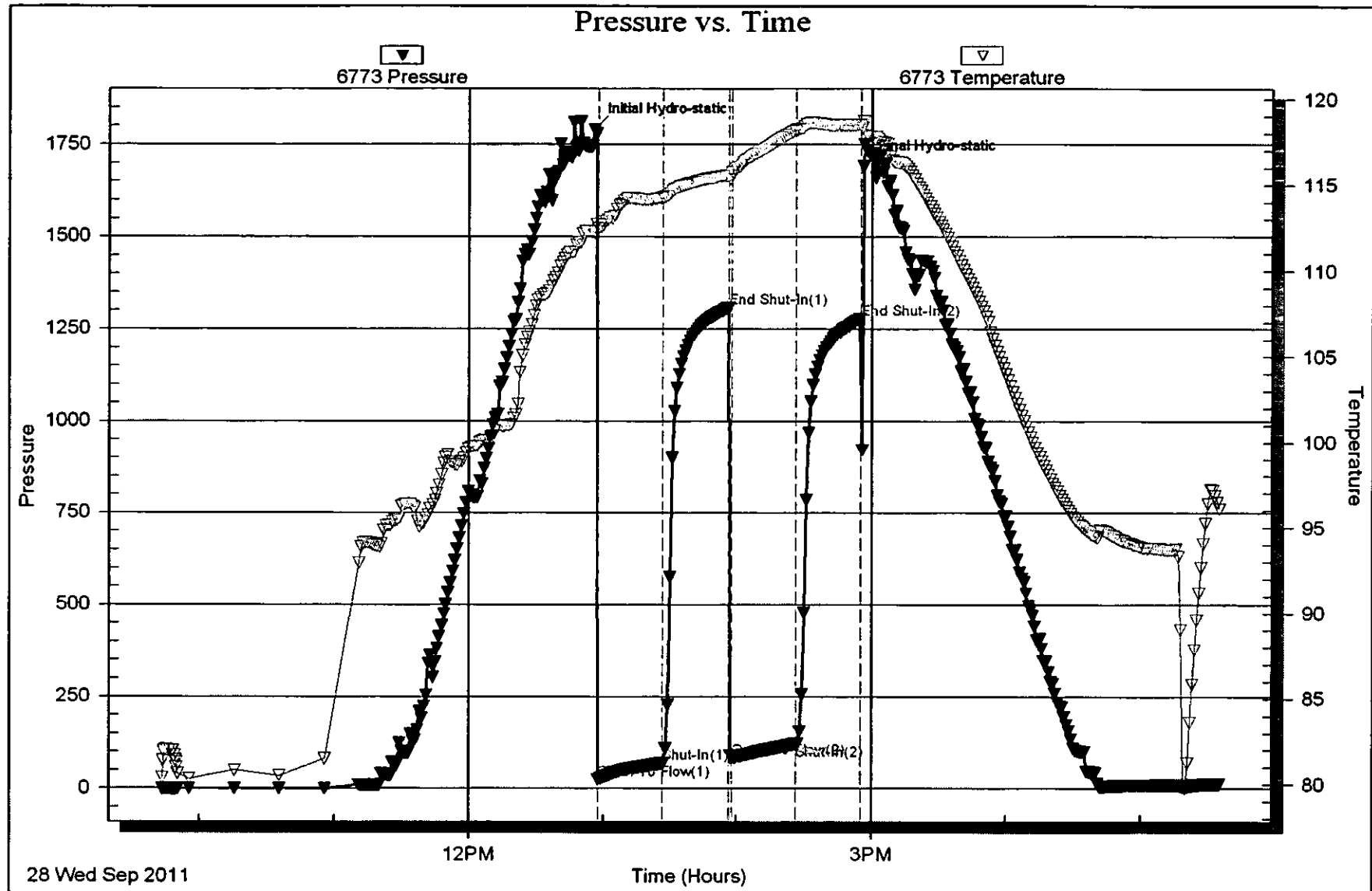
Num Gas Bombs: 0

Serial #:

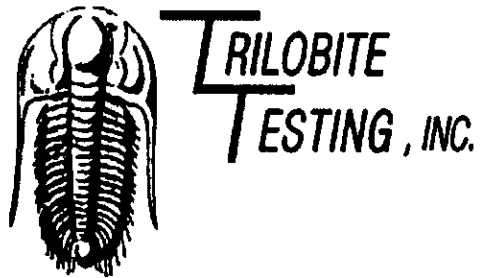
Laboratory Name:

Laboratory Location:

Recovery Comments:



28 Wed Sep 2011



## DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main  
Kingman, KS 67068

ATTN: Jon F Messenger

### **Frazier Trust #1**

### **15-28s-7w Kingman,KS**

Start Date: 2011.09.29 @ 23:29:47

End Date: 2011.09.30 @ 10:31:02

Job Ticket #: 44063                      DST #: 2

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

Printed: 2011.10.10 @ 15:45:46

Messenger Petroleum Inc    15-28s-7w Kingman,KS    Frazier Trust #1    DST # 2    Mississippi    2011.09.29



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Messenger Petroleum Inc

15-28s-7w Kingman, KS

525 S Main  
Kingman, KS 67068

Frazier Trust #1

Job Ticket: 44063

DST#: 2

ATTN: Jon F Messenger

Test Start: 2011.09.29 @ 23:29:47

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:48:47

Time Test Ended: 10:31:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: #34

Interval: 3971.00 ft (KB) To 3979.00 ft (KB) (TVD)

Total Depth: 3979.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1581.00 ft (KB)

1570.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8166 Outside

Press@RunDepth: 89.88 psig @ 3972.00 ft (KB)

Start Date: 2011.09.29

End Date: 2011.09.30

Start Time: 23:29:52

End Time: 10:31:02

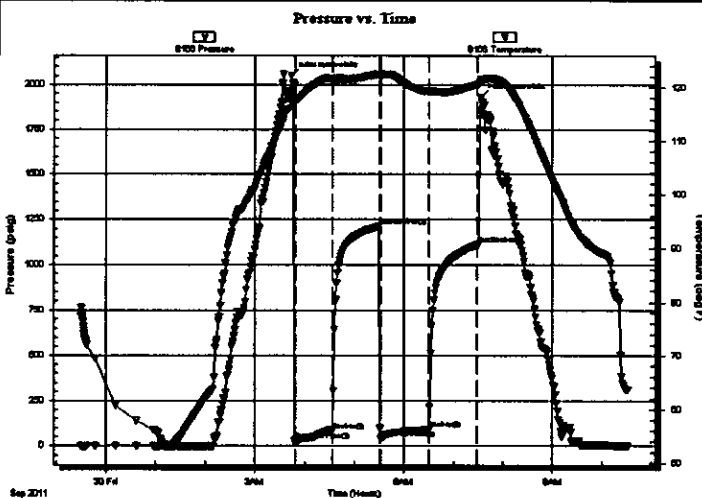
Capacity: 8000.00 psig

Last Calib.: 2011.09.30

Time On Btm: 2011.09.30 @ 03:44:32

Time Off Btm: 2011.09.30 @ 07:33:17

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 15 min { see gas flow report }  
IS: No blow back  
FF: Strong blow BOB 2 sec { see gas flow report }  
FS: Weak blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.57	117.03	Initial Hydro-static
5	26.84	117.44	Open To Flow (1)
49	83.74	121.66	Shut-In(1)
106	1213.45	122.57	End Shut-In(1)
107	39.92	122.32	Open To Flow (2)
165	89.88	119.29	Shut-In(2)
224	1111.60	120.61	End Shut-In(2)
229	1929.26	121.55	Final Hydro-static

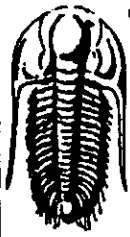
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3944 GIP	0.00
190.00	M/W 10% mud 90% water	7.21

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.25	31.00	72.02
Max. Gas Rate	0.13	38.00	19.61



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Messenger Petroleum Inc

**15-28s-7w Kingman, KS**

525 S Main  
Kingman, KS 67068

**Frazier Trust #1**

Job Ticket: 44063

**DST#: 2**

ATTN: Jon F Messenger

Test Start: 2011.09.29 @ 23:29:47

### Tool Information

Drill Pipe:	Length: 3727.00 ft	Diameter: 3.80 inches	Volume: 52.28 bbl	Tool Weight: 2200.00 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: 217.00 ft	Diameter: 6.25 inches	Volume: 8.23 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.51 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3971.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3943.00	
Shut In Tool	5.00			3948.00	
Hydraulic tool	5.00			3953.00	
Jars	5.00			3958.00	
Safety Joint	3.00			3961.00	
Packer	5.00			3966.00	29.00 Bottom Of Top Packer
Packer	5.00			3971.00	
Stubb	1.00			3972.00	
Recorder	0.00	6773	Outside	3972.00	
Recorder	0.00	8166	Outside	3972.00	
Perforations	4.00			3976.00	
Bullnose	3.00			3979.00	8.00 Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Messenger Petroleum Inc

**15-28s-7w Kingman,KS**

525 S Main  
Kingman, KS 67068

**Frazier Trust #1**

Job Ticket: 44063

**DST#: 2**

ATTN: Jon F Messenger

Test Start: 2011.09.29 @ 23:29:47

## 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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3944 GIP	0.000
190.00	MW 10% mud 90% water	7.210

Total Length: 190.00 ft

Total Volume: 7.210 bbl

Num Fluid Samples: 1

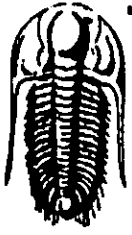
Num Gas Bombs: 1

Serial #: 007

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Messenger Petroleum Inc

**15-28s-7w Kingman,KS**

525 S Main  
Kingman, KS 67068

**Frazier Trust #1**

Job Ticket: 44063

**DST#: 2**

ATTN: Jon F Messenger

Test Start: 2011.09.29 @ 23:29:47

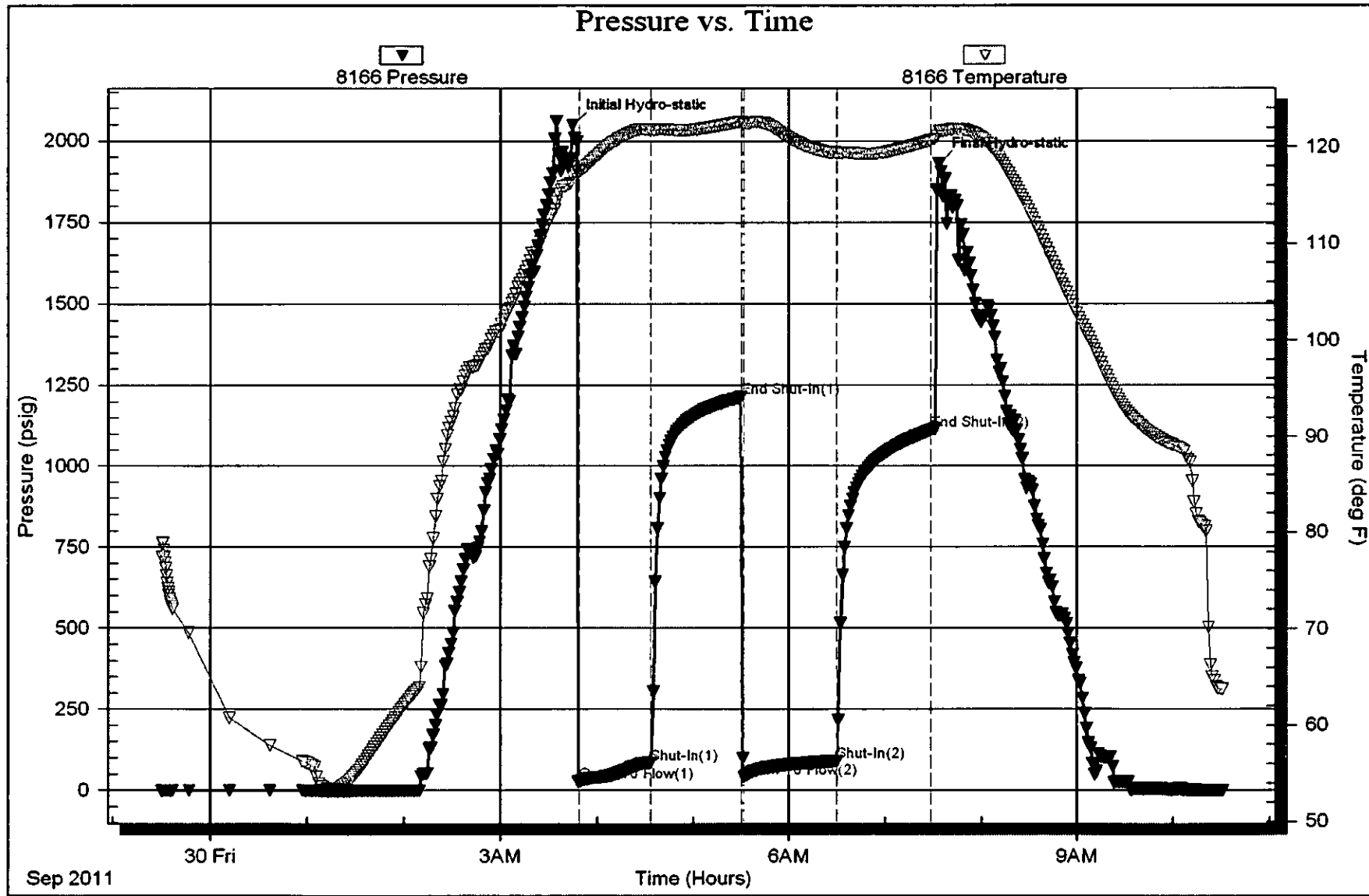
### Gas Rates Information

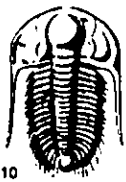
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.13	7.00	8.01
1	20	0.13	7.00	8.01
1	25	0.13	17.00	11.75
1	30	0.13	23.00	14.00
1	35	0.13	30.00	16.62
1	40	0.13	36.00	18.86
1	45	0.13	38.00	19.61
2	5	0.25	14.00	45.05
2	15	0.25	25.00	62.50
2	30	0.25	30.00	70.44
2	45	0.25	31.00	72.02







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 44062

Well Name & No. Frazier TRUST #1 BY: \_\_\_\_\_ Test No. 1 Date 9-28-11  
 Company Messenger Petroleum INC Elevation 1581 KB 1570 GL \_\_\_\_\_  
 Address 525 S Main Kingman KS 67068  
 Co. Rep / Geo. Jon F Messenger Rig Sterling Rig #1  
 Location: Sec. 15 Twp. 28 S Rge. 7 W Co. Kingman State KS

Interval Tested 3615 - 3630 Zone Tested Swope  
 Anchor Length 15' Drill Pipe Run 3382 Mud Wt. 9.3  
 Top Packer Depth 3610 Drill Collars Run 217 Vis 53  
 Bottom Packer Depth 3615 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3630 Chlorides 4,000 ppm System LCM 0

Blow Description IF: weak blow 4 1/4" 30 min  
ISI: NO blow back  
FF: weak blow 2 1/2" 30 min  
FSI: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>Muddy water</u>			<u>80%</u>	<u>20%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

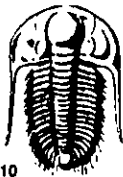
Rec Total 200 BHT 118° Gravity — API RW 27 @ 110 °F Chlorides 17,000 ppm

(A) Initial Hydrostatic <u>1790</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>8:50</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>9:43</u>
(C) First Final Flow <u>68</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>12:57</u>
(D) Initial Shut-In <u>1308</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>15:00</u>
(E) Second Initial Flow <u>82</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>17:30</u>
(F) Second Final Flow <u>121</u>	<input checked="" type="checkbox"/> Mileage <u>80 miles 112'</u>	Comments _____
(G) Final Shut-In <u>1277</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1690</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1562'</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1562'</u>	

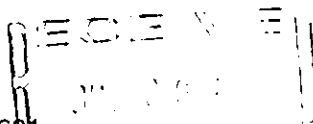
Approved By \_\_\_\_\_ Our Representative chista

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601



## Test Ticket

NO. 44063

Well Name & No. Frazier TRUST #1 BT. \_\_\_\_\_ Test No. 2 Date 9-29-11  
 Company Messenger Petro Leum Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 525 S Main Kingman KS 67068  
 Co. Rep / Geo. Jon F Messenger Rig STELLING DRIG #1  
 Location: Sec. 15 Twp. 28s Rge. 7W Co. Kingman State KS

Interval Tested 3971-3979 Zone Tested Mississippi  
 Anchor Length 8' Drill Pipe Run 3727 Mud Wt. 9.4  
 Top Packer Depth 3966 Drill Collars Run 217 Vis 60  
 Bottom Packer Depth 3971 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3979 Chlorides 4000 ppm System LCM 0  
 Blow Description IF: STRONG blow BOB 30sec GTS 15min (see gas report)  
ISI: NO blow back  
FF: STRONG blow BOB 2sec (see gas flow report)  
FST: weak blow back

Rec	Feet of	%gas	%oil	%water	%mud
	<u>3944' GIP</u>				
Rec <u>190'</u>	Feet of <u>MW</u>			<u>90</u>	<u>10</u>
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 190 BHT 120 Gravity \_\_\_\_\_ API RW 19 @ 66 °F Chlorides 32.000 ppm  
 (A) Initial Hydrostatic 2047  Test 1125' T-On Location 22:30  
 (B) First Initial Flow 26  Jars 250' T-Started 23:29  
 (C) First Final Flow 83  Safety Joint 75' T-Open 3:48  
 (D) Initial Shut-In 1213  Circ Sub \_\_\_\_\_ T-Pulled 7:30  
 (E) Second Initial Flow 39  Hourly Standby 3hrs 300 T-Out 10:30  
 (F) Second Final Flow 89  Mileage 80 miles 112' Comments \_\_\_\_\_  
 (G) Final Shut-In 1111  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1929  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60  
 Sub Total 1962  
 Total 1962  
 MP/DST Disc't \_\_\_\_\_  
 Approved By [Signature] Our Representative Chris [Signature]

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