

CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5614

Name: Hutchinson Oil Co.

Address 1: P.O. Box 521

Address 2: _____

City: Derby State: KS Zip: 67037 + 0521

Contact Person: Steve Hutchinson

Phone: (316) 788-5440

CONTRACTOR: License # 5142

Name: Sterling Drilling Company

Wellsite Geologist: Jeffrey A. Burk

Purchaser: Plains Marketing, L.P.

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 #: _____

<u>5/07/12</u>	<u>5/16/12</u>	<u>5/31/12</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 185-23750-00-00

Spot Description: _____

-NW-SW-SW Sec. 21 Twp. 22 S. R. 11 East West

805 Feet from North / South Line of Section

330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Stafford

Lease Name: Sara S.W. Well #: 1

Field Name: Wildcat

Producing Formation: Arbuckle

Elevation: Ground: 1832 Kelly Bushing: 1841

Total Depth: 3701' Plug Back Total Depth: 3675'

Amount of Surface Pipe Set and Cemented at: 319KB 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: 5,000 ppm Fluid volume: 160 bbls

Dewatering method used: haul free fluids-let evaporate-backfill when dry

Location of fluid disposal if hauled offsite: _____

Operator Name: Gee Oil Service, LLC

Lease Name: Rogers SWDW License #: 34260

Quarter NW Sec. 34 Twp. 23 S. R. 13 East West

County: Stafford Permit #: 15-185-22015

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: Owner/Operator Date: 8/15/12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 8/21/12 - 8/21/14

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: Dlg Date: 8/24/12

William S. Hutchinson d/b/a

Operator Name: Hutchinson Oil Co.

Lease Name: Sara S.W.

Well #: JAT 11000-14

Sec. 21 Twp. 22 S. R. 11 East West

County: Stafford

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 Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
(If no. Submit Copy)

List All E. Logs Run:

CDL/CNL/DIL/MEL/SONIC

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhy.	573	+ 1268
Heebner	3102	- 1261
Lansing	3262	- 1421
Viola	3551	- 1710
Arbuckle	3622	- 1781
LTD	3701	- 1860

CASING RECORD New 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 inch	8-5/8ths	24#	319' KB	Poz/Mix	325	3% gel-2% c/c
Production	7 7/8ths	5-1/2 inch	14#	3699'	AA2	125	5# gel. / 1/4% CFR

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
4 spf	3624-28	250 Gals. 15% MCA	3624-28

TUBING RECORD: Size: 2 3/8ths Set At: 3666' 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 20 Bbls. Gas McF Water 25 Bbls. Gas-Oil Ratio _____ Gravity 42°

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------

Hutchinson Oil Co.

Wm. S. Hutchinson
P.O. Box 521
Derby, Kansas 67037

Telephone 316-788-5440
Fax 316-788-3384

KCC
AUG 21 2012
CONFIDENTIAL

August 15th 2012

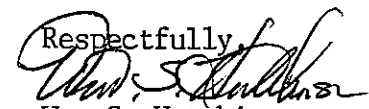
Kansas Corporation Commission
Conservation Division
130 S. Market, Rm.#2078
Wichita, KS 67202-3802

RE: ACO-1
API No.15-185-23750-00-00
Sara S.W. #1
SW/4 Sec.21-22S-11W,
Stafford Co., Kansas

Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two (2) years.

Should you have any questions or need any other additional information regarding the subject well, please contact our office.

Respectfully,

Wm. S. Hutchinson

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 21 2012

CONSERVATION DIVISION
WICHITA, KS



PAGE	CUST NO	INVOICE DATE
1 of 1	1005512	05/09/2012
INVOICE NUMBER		
1718 - 90900667		

KCC

AUG 21 2012

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Pratt (620) 672-1201
 HUTCHINSON OIL COMPANY
 PO BOX 521
 DERBY
 KS US 67037
 ATTN:

LEASE NAME Sara 1
 LOCATION
 COUNTY Stafford
 STATE KS
 JOB DESCRIPTION Cement-New Well Casing/Pi
 JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40461805	20920		Cash Sale	05/09/2012	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/08/2012 to 05/08/2012</i>					
0040461805					
171806403A Cement-New Well Casing/Pi 05/08/2012					
Cement 8 5/8" Surface					
-60/40 POZ		325.00	EA	9.60	3,120.00 T
Calcium Chloride		840.00	EA	0.84	705.60 T
Celloflake		82.00	EA	2.96	242.72 T
"Wooden Cmt Plug, 8 5/8" "		1.00	EA	128.00	128.00
"Unit Mileage Chg (PU, cars one way)"		35.00	MI	3.40	119.00
Heavy Equipment Mileage		70.00	MI	5.60	392.00
"Proppant & Bulk Del. Chgs., per ton mil		490.00	EA	1.28	627.20
Depth Charge; 0-500'		1.00	EA	800.00	800.00
Blending & Mixing Service Charge		325.00	BAG	1.12	364.00
Plug Container Util. Chg.		1.00	EA	200.00	200.00
Service Supervisor		1.00	HR	140.00	140.00

325 sacks of 60/40 cement 3% d/c - 2% gel

*Pa 5-11-12
 CK 24588
 \$7,135.31*

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 CONSERVATION DIVISION
 WICHITA, KS

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,838.52
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	296.99
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,135.51
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

KCC

1718 06403 A

AUG 21 2012

CONFIDENTIAL DATE

TICKET NO.

DATE OF JOB: 5-8-12	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: Hutchinson Oil Company		LEASE: SARA		WELL NO.:					
ADDRESS:		COUNTY: Stafford		STATE: KS					
CITY:		STATE:		SERVICE CREW: W/1947 McGraw Melton Suplekamp					
AUTHORIZED BY:		JOB TYPE: CNW 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19959-20920	1 hr						5-8-12	PM	50
19926-19960	1 hr						5-8-12	AM	10
37586							5-8-12	AM	12
37900							5-9-12	AM	49
							5-9-12	AM	
						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
CP 103	60/40 POZ	SK	325		3,900 00
CL 109	Calcium Chloride	lb	840		882 00
CL 102	celloflake	lb	82		303 40
CF 153	wooden Plug	eg	1		160 00
E 100	Pickup Mileage	mi	35		148 75
E 101	Heavy Mileage	mi	70		490 00
E 113	Pull Delivery	TM	490		784 00
CE 200	Depth Charge	4hrs	1		1,000 00
CE 240	Mixing Charge	SK	325		455 00
CE 504	Plug container	Job	1		250 00
S 003	Service Supervisor	eg	1		175 00
SUB TOTAL					6,839 52

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CONSERVATION DIVISION
WICHITA, KS

CHEMICAL / ACID DATA:

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

SERVICE REPRESENTATIVE: *Art McLean*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR, CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

KCC
AUG 21 2012

TREATMENT REPORT

CONFIDENTIAL

Customer: <i>Hutchinson Oil CO.</i>	Lease No.:	Date: <i>5-8-12</i>
Lease: <i>Sqra S.W.</i>	Well #: <i>1</i>	
Field Order # <i>6107</i>	Station <i>Pratt</i>	Casing <i>8 5/8</i> Depth <i>314</i> County <i>Stafford</i> State <i>KS</i>
Type Job <i>CMW 8 5/8 Surface</i>	Formation <i>FD</i>	Legal Description: <i>21-22-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>314</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>2219</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>500 PSF</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>304</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: _____ Station Manager *D. SLOTT* Treater *JOE MELSON*

Service Units	<i>14959</i>	<i>14826</i>	<i>37586</i>	<i>37900</i>					
Driver Names	<i>Wright</i>	<i>McGraw</i>	<i>Melson</i>	<i>Sullivan</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:40 PM</i>					<i>On location Safety Meeting</i>
					<i>Run 5 FT. 8 5/8 24 16 Pipe</i>
					<i>Log Casing on Bottom</i>
					<i>Break Circulation with Big</i>
<i>12:10</i>			<i>71</i>	<i>5 BPM</i>	<i>Mix 225 S/S CO/40 POZ</i>
					<i>Shutdown - Release Plug</i>
<i>12:30</i>			<i>490</i>	<i>4 BPM</i>	<i>Start Dis</i>
			<i>1-2</i>	<i>4 BPM</i>	<i>Cement to Surface</i>
<i>12:45</i>			<i>19</i>	<i>4 BPM</i>	<i>Plug Down</i>
					<i>Circulation 12 BBL of Cement</i>
					<i>TO PIT</i>
					<i>JOB COMPLETE</i>
					<i>Thank you Joe M.</i>

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WICHITA, KS



PAGE 1 of 1	CUST NO 1005512	INVOICE DATE 05/17/2012
INVOICE NUMBER 1718 - 90907305		

Pratt (620) 672-1201
 B HUTCHINSON OIL COMPANY
 I PO BOX 521
 L DERBY
 L KS US 67037
 T
 O ATTN:

J LEASE NAME Sara S.W. 1
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

KCC
 AUG 2 1 2012
 CONFIDENTIAL

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40464504	20920		Cash Sale	05/17/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/16/2012 to 05/16/2012</i>				
0040464504				
171806327A Cement-New Well Casing/Pi 05/16/2012 Cement 5 1/2 Longstring				
AA2 Cement	100.00	EA	13.60	1,360.00 T
A Serv Lite	75.00	EA	10.40	780.00 T
Celloflake	44.00	EA	2.96	130.24 T
C-41P	24.00	EA	3.20	76.80 T
Salt	454.00	EA	0.40	181.60 T
Cement Friction Reducer	29.00	EA	4.80	139.20 T
C-44	94.00	EA	4.12	387.28 T
FLA-322	47.00	EA	6.00	282.00 T
Gilsonite	500.00	EA	0.54	268.00 T
Super Flush II	500.00	EA	1.22	612.00 T
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	320.00	320.00
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	288.00	288.00
"Turbolizer, 5 1/2" (Blue)"	6.00	EA	88.00	528.00
"5 1/2" Basket (Blue)"	1.00	EA	232.00	232.00
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	3.40	119.00
Heavy Equipment Mileage	70.00	MI	5.60	392.00
"Proppant & Bulk Del. Chgs., per ton mil	280.00	EA	1.28	358.40
Depth Charge; 3001-4000'	1.00	EA	1,728.00	1,728.00
Blending & Mixing Service Charge	175.00	BAG	1.12	196.00
Casing Swivel Rental	1.00	EA	160.00	160.00
Plug Container Util. Chg.	1.00	EA	200.00	200.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	140.00	140.00

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 WICHITA, KS

*5-18-12
 ck # 24597
 # 9, 186.37*

100 sxs. AA2 cement, additives, 5 1/2 inch float shoe etc

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,878.52
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	307.85
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,186.37
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 06327 A

21-225-11W

DATE _____ TICKET NO. _____

DATE OF JOB: 5-16-12		DISTRICT: Pratt, Kansas		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: Hutchinson Oil Company				LEASE: Sara SW				WELL NO. 1	
ADDRESS:				COUNTY: Stafford		STATE: Kansas			
CITY:		STATE:		SERVICE CREW: C. Messick; E. Wright; J. Pierson					
AUTHORIZED BY:				JOB TYPE: C.N.W. - Longstring					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-15-12 DATE AM PM TIME 3:00			
37216	2.5					ARRIVED AT JOB 5-15-12 AM PM 7:30			
33708-20920	2.5					START OPERATION 5-16-12 AM PM 12:45			
19831-19862	2.5					FINISH OPERATION 5-16-12 AM PM 2:15			
						RELEASED 5-16-12 AM PM 2:30			
						MILES FROM STATION TO WELL 35			

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

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SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA2 Cement	Sfr	100	\$	1,000.00
CP106	AServ Lite	Sfr	75	\$	975.00
CC102	Cellulose	Lb	44	\$	162.80
CC105	C-4IP	Lb	24	\$	96.00
CC111	Salt	Lb	454	\$	227.00
CC112	Cement Friction Reducer	Lb	29	\$	174.00
CC115	C-44	Lb	94	\$	484.10
CC129	FLA-322	Lb	47	\$	352.50
CC201	Gilsonite	Lb	500	\$	335.00
CF607	Latch Down Plug and Baffle, 5 1/2"	ea	1	\$	400.00
CF1251	Auto Fill Float Shoe, 5 1/2"	ea	1	\$	360.00
CF1651	Turbolizer, 5 1/2"	ea	6	\$	660.00
CF1901	Basket, 5 1/2"	ea	1	\$	290.00
CC155	Super Flush II	Gal	500	\$	765.00
					6,981.40

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WICHITA, KS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 ~~65328~~ A
Continuation

21-225-11W

DATE

TICKET NO. 6,327

DATE OF JOB: 5-16-12	DISTRICT: Pratt, Kansas	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: Hutchinson Oil Company	LEASE: Sara SW	WELL NO. 1					
ADDRESS:	COUNTY: Stafford	STATE: Kansas					
CITY:	STATE:	SERVICE CREW: C. Messick, E. Wright, J. Pierson					
AUTHORIZED BY:	JOB TYPE: C.N.W. - Longstring						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
						ARRIVED AT JOB	AM PM
						START OPERATION	AM PM
						FINISH OPERATION	AM PM
						RELEASED	AM PM
						MILES FROM STATION TO WELL	

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

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SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	Pickup Mileage	Mi	35	\$	148 75
E 101	Heavy Equipment Mileage	Mi	70	\$	490 00
F 113	Bulk Delivery	tm	280	\$	448 00
CE 204	Cement Pump: 300 Feet To 4,000 Feet	hrs.	4	\$	2,160 00
CE 240	Bulk Delivery Blending and Mixing	sh	175	\$	245 00
CE 501	Rotating Head	Job	1	\$	200 00
CE 504	Plug Container	Job	1	\$	250 00
S 003	Service Supervisor	hrs.	8	\$	175 00
					11,098 15

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AUG 21 2012
CONSERVATION DIVISION
WICHITA KS

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CHEMICAL / ACID DATA:			

	SUB TOTAL		
	DLS \$	8,878	52
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
	TOTAL		

SERVICE REPRESENTATIVE: Lawrence R. M. [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

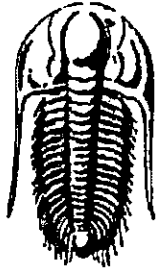
Customer: Hutchinson Oil Company Lease No. _____ CONSERVATION DIVISION Date: 5-16-12
 Lease: Sara SW Well # 1 WICHITA, KS
 Field Order # 6327 Station Pratt, Kansas Casing 5 1/2" 14 Lb. Depth 3692 Feet County Stafford State Kansas
 Type Job C.N.W. - Longstring Formation Legal Description 21-225-11W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 5 1/2" 14 Lb./ft.	Tubing Size 4 1/2" 9 Lb./ft.	Shots/Ft	25 sacks	A-Serv Lite	for Scavenger	RATE	PRESS	ISIP
Depth 3692 Feet	Depth	From	To 13.31	6.7 Gal.	8.22 Gal.	17 st.	1.6	1 CU.FT./st.
Volume 90 Bbl.	Volume	From 100 sacks	AA-2 with .58 FL	Min 322	38	Friction Reducer	10 Min.	
Max Press 2000 P.S.I.	Max Press	From .259	Defoamer, 18 Gas Blot,	Avg 108	Salt, 25 Lb./st.	cell plate, 5 Lb/st	15 Min.	
Well Connection Plug Connection	Annulus Vol.	From 15.3	to 6.1 Gal.	5.44 Gal./st.	HHP Used 1.36	CU.FT./st.	Annulus Pressure	
Plug Depth 3076 Feet	Packer Depth	From	To	Flush 89.7 Bbl.	Gas Volume		Total Load	

Customer Representative: Jeff Burke Station Manager: David Scott Treater: Clarence R. Messick

Service Units	37,216	33,708	20,920	19,831	19,862				
Driver Names	Messick	Wright	Pierson						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					Trucks on location and hold safety meeting.
9:15					Sterling Drilling start to run Auto-Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 88 Joints new 14 Lb/ft. 5 1/2" casing. A Basket was installed on top of collar #2. A Turbolizer was installed on Collars #1, 2, 4, 9, 15 and #20.
11:00					Casing in well. Circulate and Rotate for 1 1/2 Hours.
12:45		3,400			Shut in well. Pressure Test. Open Well.
12:47	200			6	Start Fresh water Pre-Flush.
			20	6	Start Super Flush II.
			32	5	Start Fresh Water Spacer.
12:56	200		35	5	Start mixing 25 sacks A-Serv Lite cement.
			42	5	Start mixing 100 sacks AA-2 cement.
	-0-		66		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
1:08	100			6.5	Start Fresh Water Displacement.
			73	5	Start to lift cement.
1:28	700		89.7		Plug down.
	1,750				Pressure up.
					Release pressure. Float Shoe held.
	-0-		7-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
2:15					Job Complete.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

PO Box 521
Derby, KS 67037

ATTN: Jeff Burk

Sara SW #1

21-22s-11w Stafford,KS

Start Date: 2012.05.12 @ 09:59:53

End Date: 2012.05.12 @ 17:08:23

Job Ticket #: 46955 DST #: 1

**KCC
AUG 21 2012
CONFIDENTIAL**

**RECEIVED
KANSAS CORPORATION COMMISSION
AUG 21 2012
CONSERVATION DIVISION
WICHITA, KS**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2012.05.16 @ 16:08:26

Hutchinson Oil Co

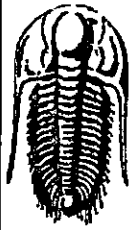
21-22s-11w Stafford,KS

Sara SW #1

DST # 1

Lansing "B & D"

2012.05.12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46955

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.05.12 @ 09:59:53

GENERAL INFORMATION:

Formation: **Lansing "B & D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:23:53

Time Test Ended: 17:08:23

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 63

Interval: 3277.00 ft (KB) To 3315.00 ft (KB) (TVD)

Total Depth: 3315.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1843.00 ft (KB)

1832.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8790

Inside

Press@RunDepth: 24.55 psig @ 3278.00 ft (KB)

Start Date: 2012.05.12

End Date:

2012.05.12

Capacity: 8000.00 psig

Last Calib.: 2012.05.12

Start Time: 09:59:58

End Time:

17:08:22

Time On Btm: 2012.05.12 @ 12:17:23

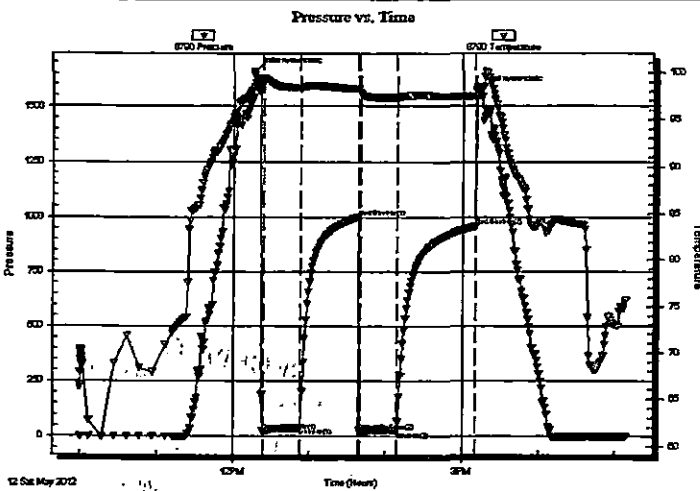
Time Off Btm: 2012.05.12 @ 15:10:53

TEST COMMENT: IF: Strong Blow, BOB in 15 seconds, GTS in 22 minutes, Caught Sample, TSTM

IS: No Blow Back

FF: Strong Blow, BOB & GTS Immediately, TSTM

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.65	98.89	Initial Hydro-static
7	22.12	99.34	Open To Flow (1)
36	38.46	98.33	Shut-In(1)
81	999.48	98.22	End Shut-In(1)
83	23.09	97.80	Open To Flow (2)
112	24.55	97.28	Shut-In(2)
173	959.44	97.48	End Shut-In(2)
174	1576.91	97.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 3209	0.00
65.00	GOCM 5%G 10%O 85%M	0.32

Gas Rates

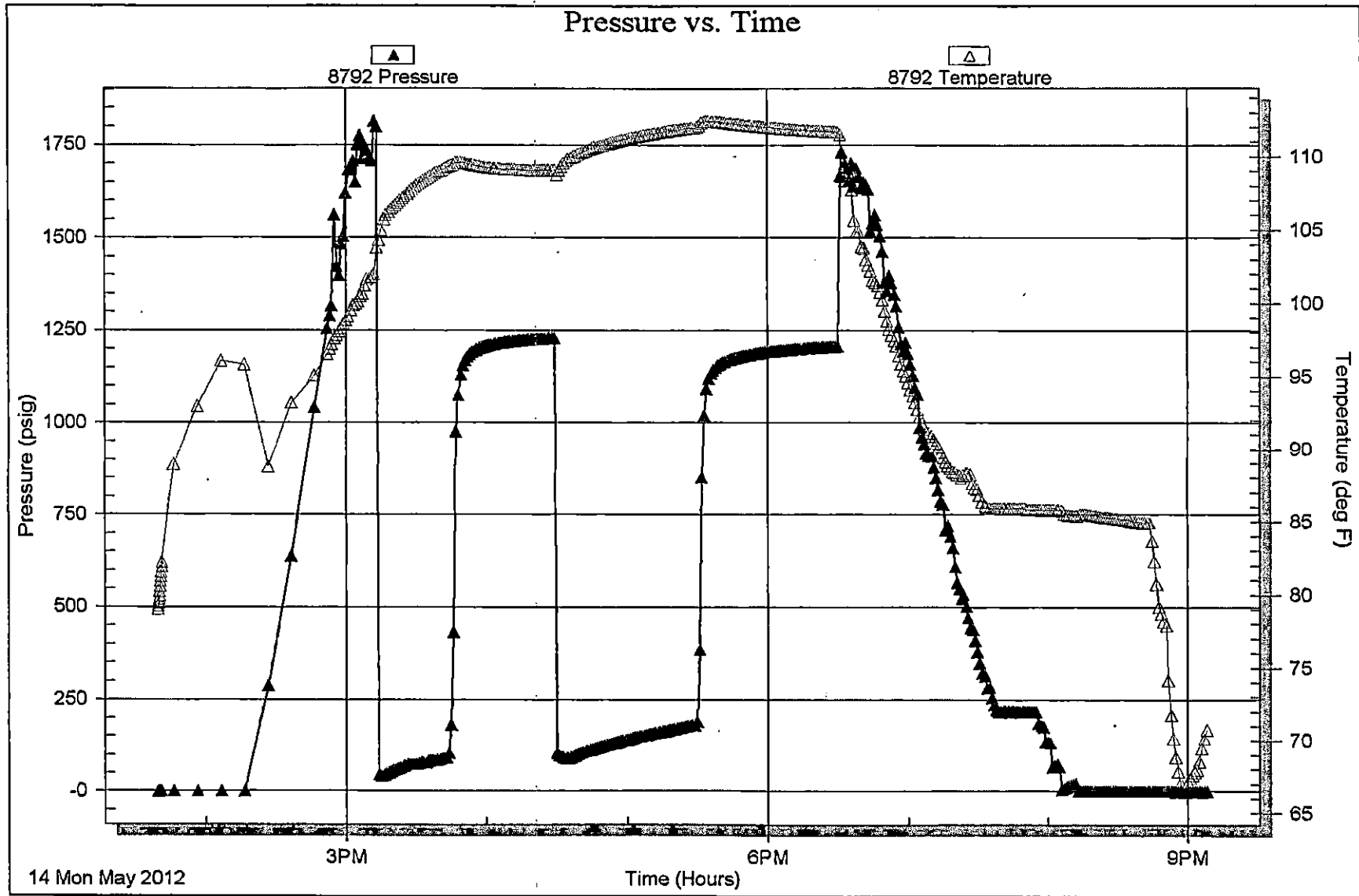
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8792

Outside Hutchinson Oil Co

Sara SW#1

DST Test Number: 3





TRIBOLITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46955

Well Name & No: Sara SW 1 Test No. 1 Date 05/12/12
 Company Hutchinson Oil Co. Elevation 1843 KB 1832 GL
 Address PO Box 521 Derby, KS 67037
 Co. Rep / Geo. Jeff Burk Rig Sterling 4
 Location: Sec. 21 Twp. 22S Rge. 11W Co. Stafford State KS

Interval Tested 3277 - 3315 Zone Tested Lansing "B+D"
 Anchor Length 38 Drill Pipe Run 3064 Mud Wt. 9.6
 Top Packer Depth 3272 Drill Collars Run 210 Vis 68
 Bottom Packer Depth 3277 Wt. Pipe Run 0 WL 7.2
 Total Depth 3315 Chlorides 4500 ppm System LCM

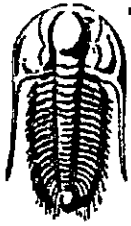
Blow Description IF: Strong Blow, BOB in 15 seconds, GTS in 22 minutes, caught sample, TSTM
IST: NO Blow Back
FF: Strong Blow, BOB + GTS Immediate, TSTM
FST: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
3209	GIP				
65	60CM	5	10		85

Rec Total 85 BHT 98° Gravity N/C API RW N/C @ N/C F. Chlorides N/C ppm

(A) Initial Hydrostatic <u>1658</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>09:00</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>09:59</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:23</u>
(D) Initial Shut-In <u>999</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:10</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:08</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>(80)</u> 124	Comments
(G) Final Shut-In <u>959</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1577</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>45</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>60</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1599</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1599</u>	

Approved By [Signature] Our Representative [Signature]
 Tribolite 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.**

DRILL STEM TEST REPORT

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46955

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.05.12 @ 09:59:53

GENERAL INFORMATION:

Formation: Lansing "B & D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:23:53

Time Test Ended: 17:08:23

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 63

Interval: 3277.00 ft (KB) To 3315.00 ft (KB) (TVD)

Reference Elevations: 1843.00 ft (KB)

Total Depth: 3315.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8792

Outside

Press@RunDepth: psig @ 3278.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.12

End Date:

2012.05.12

Last Calib.:

2012.05.12

Start Time: 09:59:58

End Time:

17:08:22

Time On Btm:

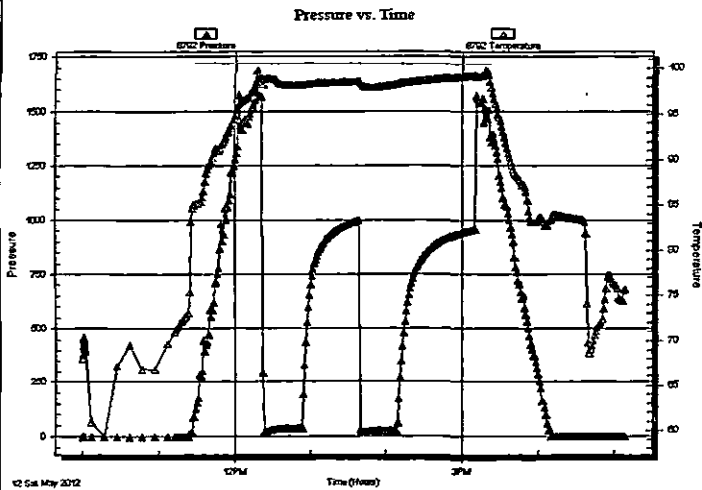
Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 15 seconds, GTS in 22 minutes, Caught Sample, TSTM

IS: No Blow Back

FF: Strong Blow, BOB & GTS Immediately, TSTM

FSI: No Blow Back



PRESSURE SUMMARY

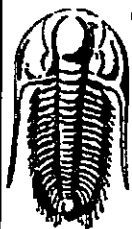
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 3209	0.00
65.00	GOCM 5%G 10%O 85%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46955

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.05.12 @ 09:59:53

Tool Information

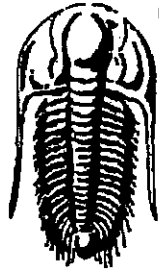
Drill Pipe:	Length: 3064.00 ft	Diameter: 3.80 inches	Volume: 42.98 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 44.01 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3277.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 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			3255.00	
Hydraulic tool	5.00			3260.00	
Jars	5.00			3265.00	
Safety Joint	2.00			3267.00	
Packer - Shale	5.00			3272.00	
Packer	5.00			3277.00	27.00 Bottom Of Top Packer
Stubb	1.00			3278.00	
Recorder	0.00	8790	Inside	3278.00	
Recorder	0.00	8792	Outside	3278.00	
Perforations	34.00			3312.00	
Bullnose	3.00			3315.00	38.00 Anchor Tool

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

PO Box 521
Derby, KS 67037

ATTN: Jeff Burk

Sara SW #1

21-22s-11w Stafford,KS

Start Date: 2012.05.13 @ 19:37:41

End Date: 2012.05.14 @ 03:27:41

Job Ticket #: 46956 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.16 @ 16:07:40

Hutchinson Oil Co

21-22s-11w Stafford,KS

Sara SW #1

DST # 2

Simpson

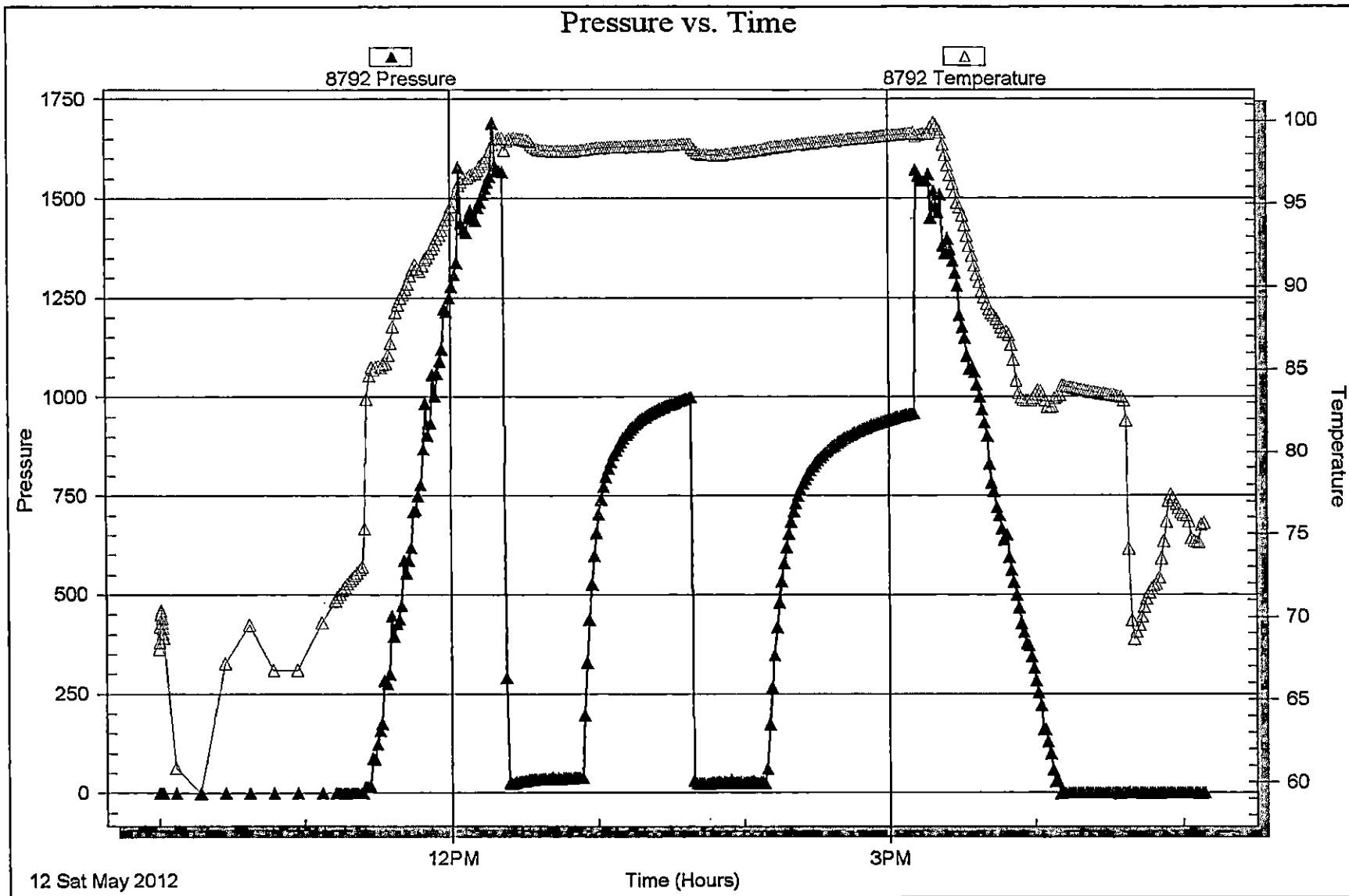
2012.05.13

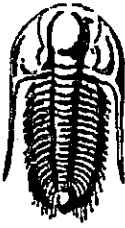
Serial #: 8792

Outside Hutchinson Oil Co

Sara SW#1

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hutchinson Oil Co

PO Box 521
Derby, KS 67037

ATTN: Jeff Burk

21-22s-11w Stafford,KS

Sara SW #1

Job Ticket: 46956

DST#: 2

Test Start: 2012.05.13 @ 19:37:41

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:54:41

Time Test Ended: 03:27:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 63

Interval: 3544.00 ft (KB) To 3584.00 ft (KB) (TVD)

Total Depth: 3584.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1843.00 ft (KB)

1832.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8792 Outside

Press@RunDepth: psig @ 3545.00 ft (KB)

Start Date: 2012.05.13

End Date:

2012.05.14

Capacity:

8000.00 psig

Start Time:

19:37:46

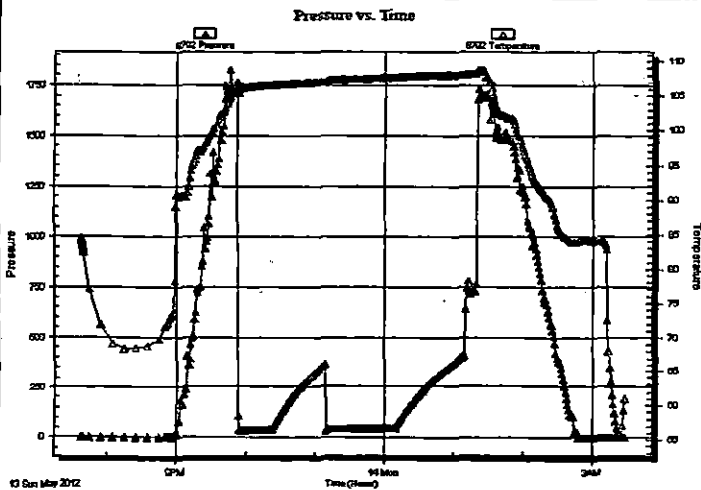
End Time:

03:27:40

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 1 minute
IS: No Blow Back
FF: Strong Blow, BOB in 10 seconds
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1178 GIP	0.00
62.00	GCM 2%G 98%M	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46956

DST#: 2

ATTN: Jeff Burk

Test Start: 2012.05.13 @ 19:37:41

GENERAL INFORMATION:

Formation: Simpson
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:54:41
Time Test Ended: 03:27:41

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 63

Interval: 3544.00 ft (KB) To 3584.00 ft (KB) (TVD)
Total Depth: 3584.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1843.00 ft (KB)
1832.00 ft (CF)
KB to GR/CF: 11.00 ft

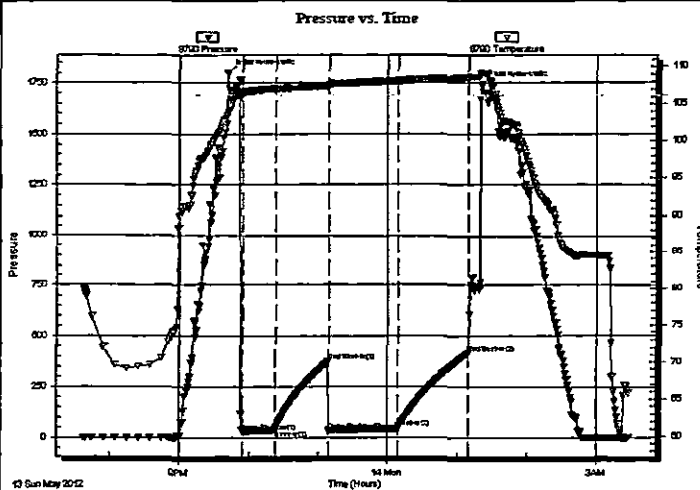
Serial #: 8790

Inside

Press@RunDepth: 45.03 psig @ 3545.00 ft (KB)
Start Date: 2012.05.13 End Date: 2012.05.14
Start Time: 19:37:46 End Time: 03:27:40

Capacity: 8000.00 psig
Last Calib.: 2012.05.14
Time On Btm: 2012.05.13 @ 21:42:11
Time Off Btm: 2012.05.14 @ 01:20:41

TEST COMMENT: IF: Strong Blow, BOB in 1 minute
IS: No Blow Back
FF: Strong Blow, BOB in 10 seconds
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.93	103.88	Initial Hydro-static
13	30.71	106.57	Open To Flow (1)
41	36.30	107.04	Shut-In (1)
87	373.12	107.43	End Shut-In (1)
87	31.52	107.31	Open To Flow (2)
147	45.03	108.05	Shut-In (2)
208	416.57	108.50	End Shut-In (2)
219	1742.25	109.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1178 GIP	0.00
62.00	GCM 2%G 98%M	0.30

* Recovery from multiple tests

Gas Rates

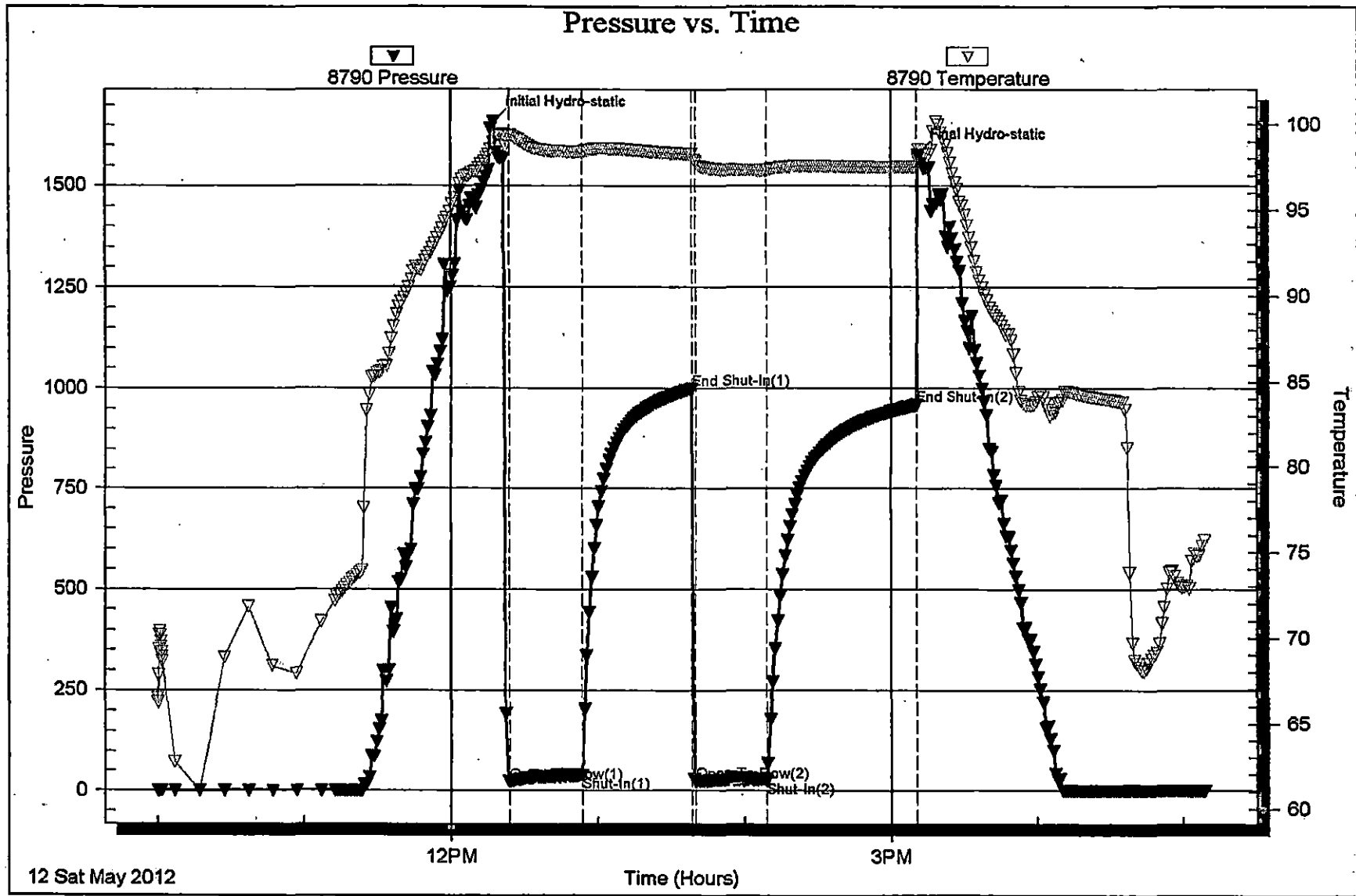
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

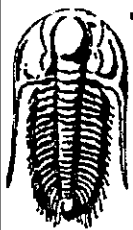
Serial #: 8790

Inside Hutchinson Oil Co

Sara SW#1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co

21-22s-11w Stafford,KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46955

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.05.12 @ 09:59:53

Mud and Cushion Information

Mud Type: Polymer	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 68.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

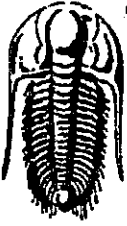
Length ft	Description	Volume bbl
0.00	GIP 3209	0.000
65.00	GOCM 5%G 10%O 85%M	0.320

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:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co

21-22s-11w Stafford,KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46956

DST#: 2

ATTN: Jeff Burk

Test Start: 2012.05.13 @ 19:37:41

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:	56.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.59 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7700.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	1178 GIP	0.000
62.00	GCM 2%G 98%M	0.305

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46956

DST#: 2

ATTN: Jeff Burk

Test Start: 2012.05.13 @ 19:37:41

Tool Information

Drill Pipe:	Length: 3318.00 ft	Diameter: 3.80 inches	Volume: 46.54 bbl	Tool Weight: 2100.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 115000.0 lb
		Total Volume: 47.57 bbl		Tool Chased ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3544.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3522.00	
Hydraulic tool	5.00			3527.00	
Jars	5.00			3532.00	
Safety Joint	2.00			3534.00	
Packer - Shale	5.00			3539.00	
Packer	5.00			3544.00	27.00 Bottom Of Top Packer
Stubb	1.00			3545.00	
Recorder	0.00	8790	Inside	3545.00	
Recorder	0.00	8792	Outside	3545.00	
Perforations	36.00			3581.00	
Bullnose	3.00			3584.00	40.00 Anchor Tool

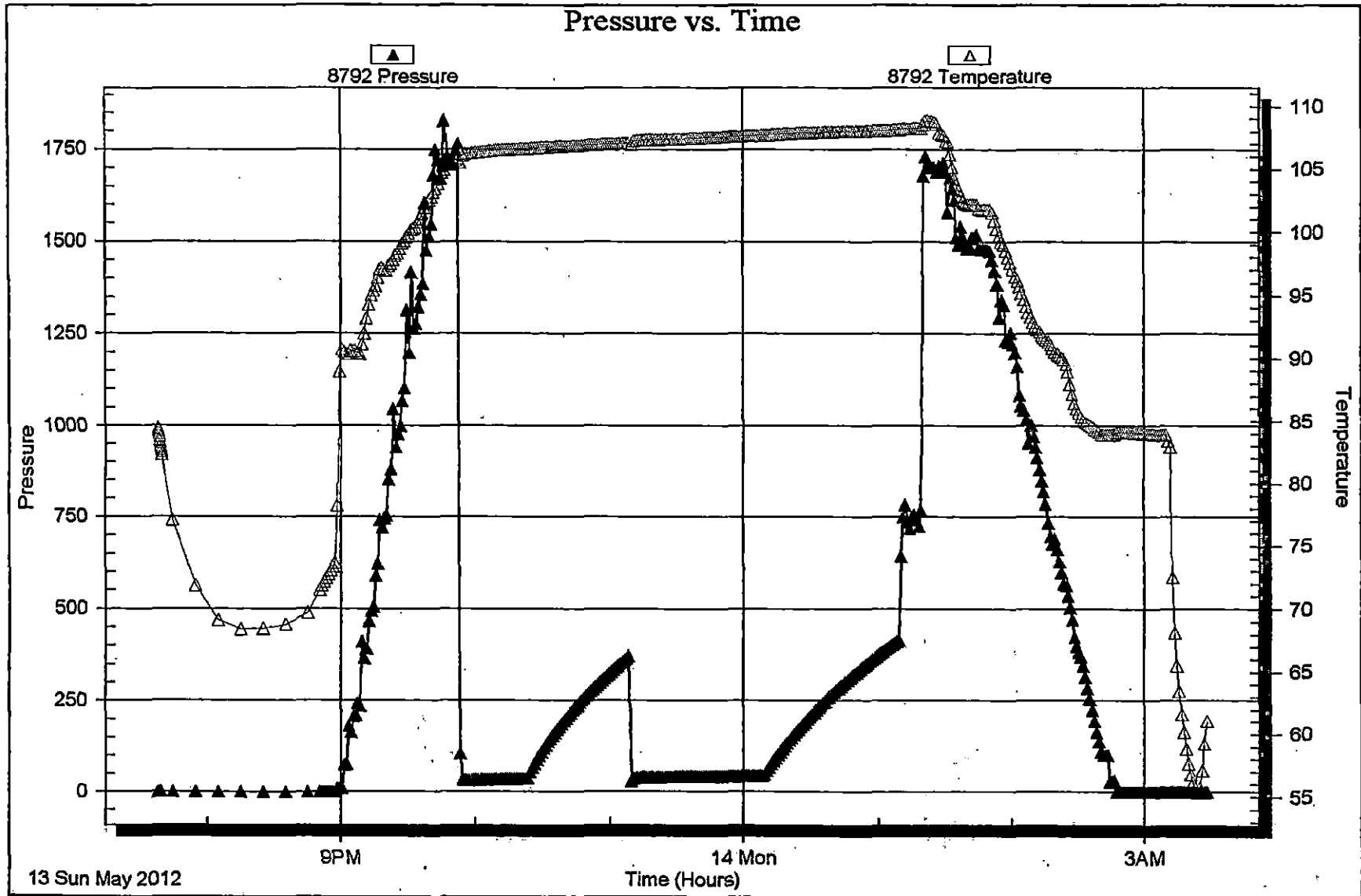
Total Tool Length: 67.00

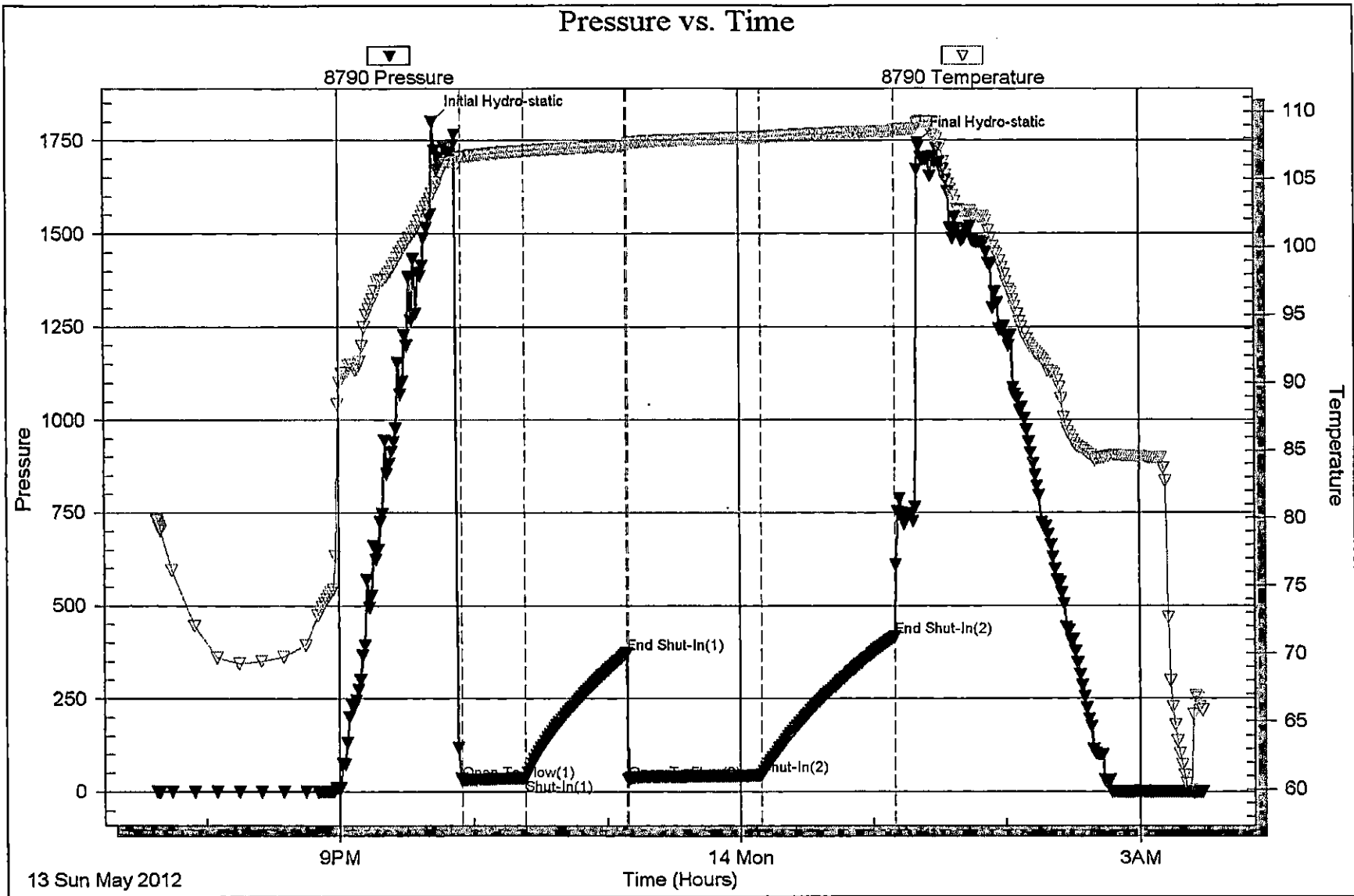
Serial #: 8792

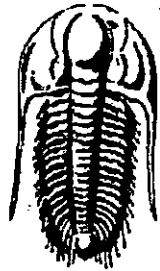
Outside Hutchinson Oil Co

Sara SW #1

DST Test Number: 2







TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

PO Box 521
Derby, KS 67037

ATTN: Jeff Burk

Sara SW #1

21-22s-11w Stafford,KS

Start Date: 2012.05.14 @ 13:39:21

End Date: 2012.05.14 @ 21:08:21

Job Ticket #: 46957 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.16 @ 16:07:00

Hutchinson Oil Co

21-22s-11w Stafford,KS

Sara SW #1

DST # 3

Arbuckle

2012.05.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46957

DST#: 3

ATTN: Jeff Burk

Test Start: 2012.05.14 @ 13:39:21

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:13:21

Time Test Ended: 21:08:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: Ricketts 04

Interval: 3614.00 ft (KB) To 3626.00 ft (KB) (TVD)

Reference Elevations: 1843.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8790

Inside

Press@RunDepth: 183.27 psig @ 3615.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.14 End Date: 2012.05.14

Last Calib.: 2012.05.14

Start Time: 13:39:26 End Time: 21:08:20

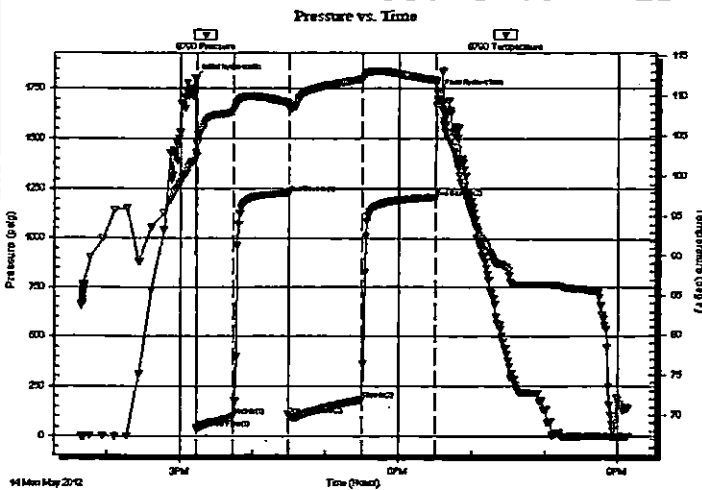
Time On Btm: 2012.05.14 @ 15:11:51

Time Off Btm: 2012.05.14 @ 18:31:21

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes
 IS: Blow Back Built to 1 inch
 FF: Strong Blow, BOB in 3 minutes, GTS in 52 minutes, TSTM
 FSI: Blow Back Built to BOB in 15 minutes

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.57	101.93	Initial Hydro-static
2	38.53	102.49	Open To Flow (1)
32	100.12	108.26	Shut-In(1)
78	1229.37	109.19	End Shut-In(1)
78	107.61	108.58	Open To Flow (2)
138	183.27	112.10	Shut-In(2)
199	1207.51	111.94	End Shut-In(2)
200	1728.05	110.57	Final Hydro-static



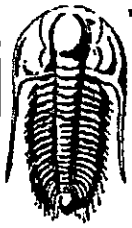
Recovery

Length (ft)	Description	Volume (bbl)
0.00	3144 GIP	0.00
242.00	GOCM 26%O 30%G 44%M	1.48
206.00	Gassy Oil 20%G 80%O	2.89

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hutchinson Oil Co

21-22s-11w Stafford, KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46957

DST#: 3

ATTN: Jeff Burk

Test Start: 2012.05.14 @ 13:39:21

GENERAL INFORMATION:

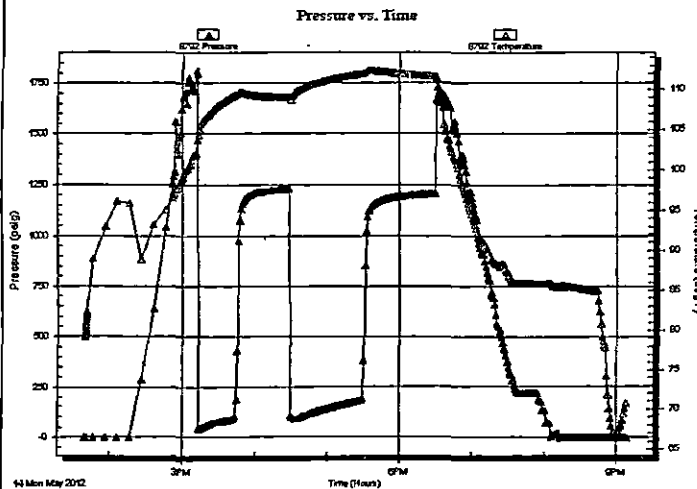
Formation: **Arbuckle**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:13:21
 Tester: Leal Cason
 Time Test Ended: 21:08:21
 Unit No: Ricketts 04
 Interval: 3614.00 ft (KB) To 3626.00 ft (KB) (TVD)
 Reference Elevations: 1843.00 ft (KB)
 Total Depth: 3626.00 ft (KB) (TVD)
 1832.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 11.00 ft

Serial #: 8792

Outside

Press@RunDepth: psig @ 3615.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.14 End Date: 2012.05.14 Last Calib.: 2012.05.14
 Start Time: 13:39:26 End Time: 21:08:20 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes
 IS: Blow Back Built to 1 inch
 FF: Strong Blow, BOB in 3 minutes, GTS in 52 minutes, TSTM
 FS: Blow Back Built to BOB in 15 minutes



PRESSURE SUMMARY

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

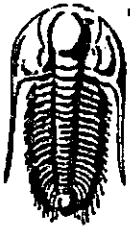
Recovery

Length (ft)	Description	Volume (bbl)
0.00	3144 GIP	0.00
242.00	GOCM 26%O 30%G 44%M	1.48
206.00	Gassy Oil 20%G 80%O	2.89

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co
PO Box 521
Derby, KS 67037

ATTN: Jeff Burk

21-22s-11w Stafford,KS
Sara SW #1
Job Ticket: 46957 **DST#: 3**
Test Start: 2012.05.14 @ 13:39:21

Tool Information

Drill Pipe:	Length: 3382.00 ft	Diameter: 3.80 inches	Volume: 47.44 bbl	Tool Weight: 2100.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 48.47 bbl	Tool Chased: ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3614.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	39.00 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			3592.00	
Hydraulic tool	5.00			3597.00	
Jars	5.00			3602.00	
Safety Joint	2.00			3604.00	
Packer - Shale	5.00			3609.00	
Packer	5.00			3614.00	27.00 Bottom Of Top Packer
Stubb	1.00			3615.00	
Recorder	0.00	8790	Inside	3615.00	
Recorder	0.00	8792	Outside	3615.00	
Perforations	8.00			3623.00	
Bullnose	3.00			3626.00	12.00 Anchor Tool

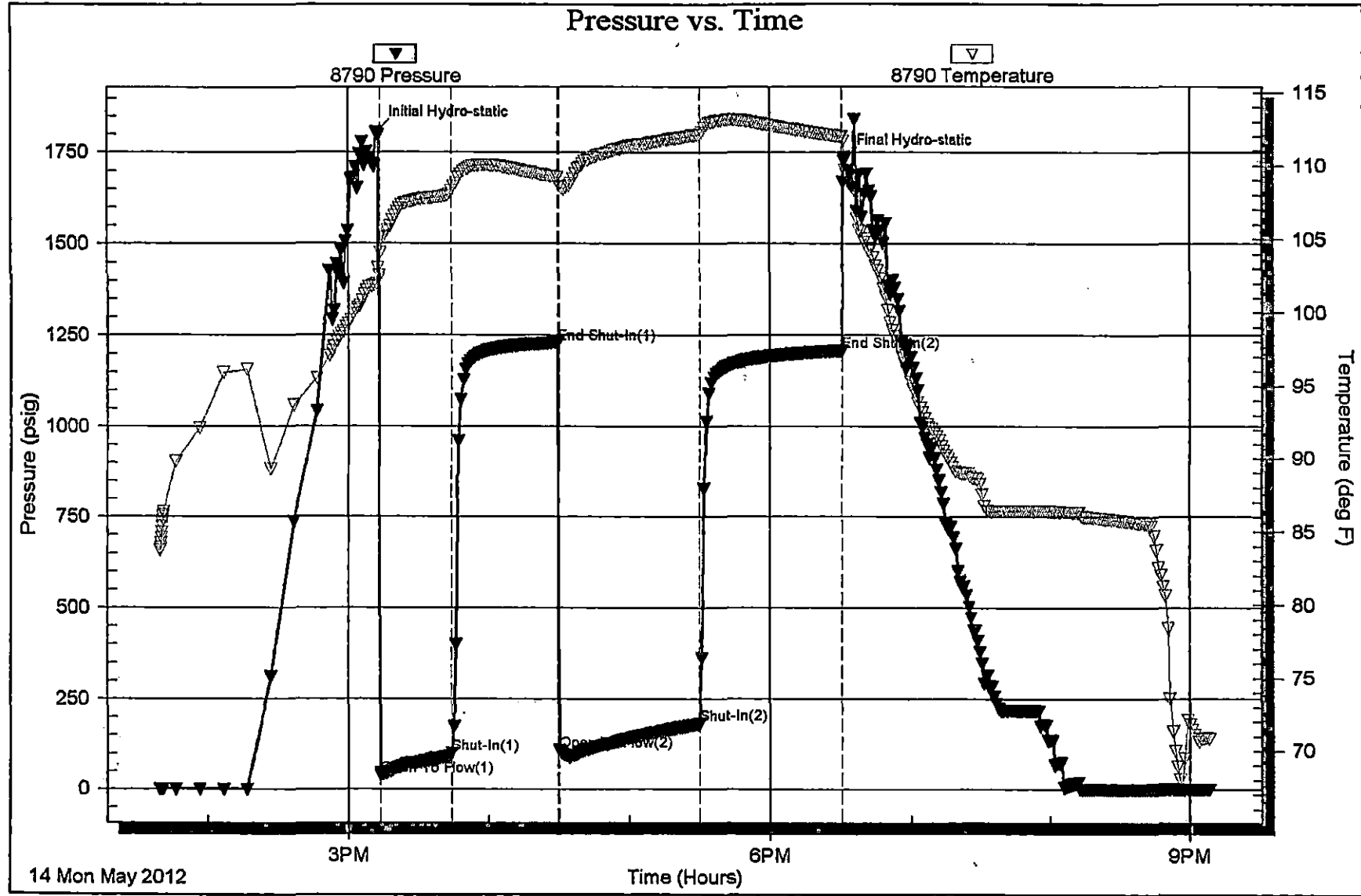
Total Tool Length: 39.00

Serial #: 8790

Inside Hutchinson Oil Co

Sara SW #1

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co

21-22s-11w Stafford,KS

PO Box 521
Derby, KS 67037

Sara SW #1

Job Ticket: 46957

DST#: 3

ATTN: Jeff Burk

Test Start: 2012.05.14 @ 13:39:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ^s	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6800.00 ppm		
Filter Cake: 0.20 inches		

Recovery Information

Recovery Table

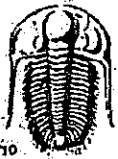
Length ft	Description	Volume bbl
0.00	3144 GIP	0.000
242.00	GOCM 26%O 30%G 44%M	1.482
206.00	Gassy Oil 20%G 80%O	2.890

Total Length: 448.00 ft Total Volume: 4.372 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity Was 41.2 @ 68 degrees



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46957

Well Name & No. Sara Sw1 Test No. 3 Date 05/14/12
 Company Hutchinson Oil Co. Elevation 1943 KB 1932 GL
 Address Po Box 521 Derby, KS 67037
 Co. Rep/Geo. Jeff Buck Rig sterling 4
 Location: Sec. 21 Twp. 22S Rge. 11W Co. Stafford State KS

Interval Tested 3614 - 3626 Zone Tested Arbuckle
 Anchor Length 0.12 Drill Pipe Run 3382 Mud Wt. 9.0
 Top Packer Depth 3609 Drill Collars Run 210 Vis 57
 Bottom Packer Depth 3614 Wt. Pipe Run 0 WL 8.8
 Total Depth 3626 Chlorides 6800 ppm System LCM 1

Blow Description FF: Strong Blow, BOB in 2 minutes
DST: Blow Back Built to 1 inch
FF: Strong Blow, BOB in 3 minutes, GTS in 52 minutes TSTM
ESI: Blow Back Built to BOB in 15 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>3/44</u>	<u>GTP</u>				
<u>206</u>	<u>Gassy oil</u>	<u>20</u>	<u>80</u>		
<u>242</u>	<u>GOCM</u>	<u>30</u>	<u>26</u>	<u>44</u>	

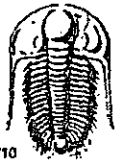
Rec Total 448 BHT 110° Gravity 42 API RW MC @ MC F Chlorides MC ppm

(A) Initial Hydrostatic 1804 Test 1150 T-On Location 13:30
 (B) First Initial Flow 38 Jars 250 T-Started 13:39
 (C) First Final Flow 100 Safety Joint 75 T-Open 15:13
 (D) Initial Shut-In 1229 Circ Sub T-Pulled 18:30
 (E) Second Initial Flow 108 Hourly Standby T-Out 21:08
 (F) Second Final Flow 183 Mileage (80) 124 Comments _____
 (G) Final Shut-In 1207 Sampler _____
 (H) Final Hydrostatic 1728 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Copies
 Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60
 Sub Total 0
 Total 1599
 MP/DST Disc 1
 Sub Total 1599

Approved By Steve [Signature] Our Representative [Signature]

TriLOBITE TESTING Inc. shall not be liable for damage 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46956

Well Name & No. Sara SW1 Test No. 2 Date 05/13/12
 Company Hutchinson Oil Co Elevation 1843 KB 1832 GL
 Address PO Box 521 Derby, KS 67037
 Co. Rep / Geo. Jeff Burk Rig Stirling 4
 Location: Sec. 21 Twp. 22S Rge. 11W Co. Stafford State KS

Interval Tested 3544 - 3584 Zone Tested Simpson
 Anchor Length 40 Drill Pipe Run 3318 Mud Wt. 9.2
 Top Packer Depth 3539 Drill Collars Run 210 Vis 56
 Bottom Packer Depth 3544 Wt. Pipe Run 0 WL 7.6
 Total Depth 3584 Chlorides 7700 ppm System LCM 1

Blow Description IF: Strong Blow, BOB in 1 minute
IST: NO Blow Back
FF: Strong Blow, BOB in 10 seconds
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1178</u>	<u>GIP</u>				
<u>62</u>	<u>GCM</u>	<u>2</u>			<u>98</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 108° Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic 1799 Test 1150 T-On Location 19:30
 (B) First Initial Flow 31 Jars 250 T-Started 19:37
 (C) First Final Flow 36 Safety Joint 75 T-Open 21:54
 (D) Initial Shut-In 373 Circ Sub T-Pulled 01:09
 (E) Second Initial Flow 31 Hourly Standby T-Out 03:27
 (F) Second Final Flow 45 Mileage 80 124 Comments _____
 (G) Final Shut-In 416 Sampler _____
 (H) Final Hydrostatic 1747 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1599 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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.