



Operator Name: Reif Oil & Gas Company, LLC Lease Name: Nichols A Well #: 1  
 Sec. 19 Twp. 25 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 copy of all Electric Wireline 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <u>None</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  <p style="text-align: center; font-size: 1.2em;">Per Geo. report</p>
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CASING RECORD <input type="checkbox"/> New <input checked="" 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		8 5/8	23#	700.94	A Con	200 150	Common 3% Cal

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		N/A		

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
	N/A		

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Entry: <u>N/a</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**Paul's Oilfield Service, Inc.**

P.O. Box 1773  
Great Bend, KS 67530

**Invoice**

DATE	INVOICE #
3/5/2010	56921

<b>BILL TO</b>
Reif Oil & Gas Leasing P.O. Box 298 Hoisington, Kansas 67544

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<b>TERMS</b>
Net 30

DESCRIPTION	RATE	QUANTITY	AMOUNT
<b>NICHOLS - Pulled 400 bbls free water off reserve pit to Jordan SWD.</b>			
Vacuum Truck	85.00	8	680.00
Salt Water Disposal Fee	0.20	400	80.00
Driver: Tim			
Rama Operating Co., Inc. Operator #3911 Jordan SWD NE/4 26-24S-12W Stafford County Docket # 15,265			
		RECEIVED KANSAS CORPORATION COMMISSION  MAY 11 2010  CONSERVATION DIVISION WICHITA, KS	
<b>Total</b>			<b>\$760.00</b>

Thank you for your business.

# BASIC

energy services, L.P.

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WICHITA, KS

## TREATMENT REPORT

Customer Nelt Oil and Gas Com	Lease No. pany, LLC.	Date 2-23-10
Lease Nichols "A"	Well # 1	
Field Order # 444	Station Pratt, Kansas	Casing 1 1/2" Drill Pipe
Type Job C.N.W. - Plug To Abandon	Formation	County Stafford
		State Kansas
		Legal Description 19-255-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	200 sacks 60/40 Poz	RATE	PRESS	ISIP
Depth	Depth	From	To	Rate/Bag	13.8 LB 2/Gal, 6.90 Gal/stk, 1.42 CU.Ft./SK	Max		5 Min.
Volume	Volume	From	To	Rate		Min		10 Min.
Max Press	Max Press	From	To	Rate		Avg		15 Min.
Well Connection X Hole	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Drilling Mud and Fresh Water	Gas Volume		Total Load

Customer Representative Doug Buttic	Station Manager David Scott	Treater Clarence R. Messick
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Service Units	19,866	19,903	19,905	19,826	19,860				
Driver Names	Messick	Mattal	M. McGrow						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30					Trucks on location and hold safety meeting.
4:40	600			5	1 <sup>st</sup> Plug 4,170 Feet - 50 sacks
	600		20	5	Start Fresh Water Pre-Flush.
	200		32.5	5	Start mixing 50 sacks cement.
	400		42.5	6	Start Fresh Water Displacement.
5:00	-0-		93.5		Start Drilling Mvd Displacement.
					Stop pumping.
6:35	400			5	2 <sup>nd</sup> Plug 720 Feet - 50 sacks
	400		8	5	Start Fresh Water Pre-Flush
	200		20.5	5	Start Mixing 50 sacks cement.
6:40	-0-		24.5		Start Fresh Water Displacement.
					Stop pumping.
7:00	200			5	3 <sup>rd</sup> Plug 240 Feet - 30 sacks
	-0-		7.5	5	Start mixing cement.
7:02	-0-		8.5		Start Fresh Water Displacement.
					Stop pumping.
7:20	-0-			3	4 <sup>th</sup> Plug 60 Feet - 20 sacks
7:22	-0-		5		Start mixing cement.
	-0-		7.5	3	Cement circulated to surface. Stop pumping.
					Plug Rat and Mouse holes.
					Wash up pump truck.
8:00					Job Complete



**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 1444 A

19-255-11W

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

DATE OF JOB: 2-23-10		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: Reif Oil and Gas Company, LLC				LEASE: Nichols "A"				WELL NO. 1		
ADDRESS:				COUNTY: Stafford		STATE: Kansas				
CITY:				STATE:		SERVICE CREW: C. Messick, M. Mattal, M. McGraw				
AUTHORIZED BY:				JOB TYPE: C.N.W. - Plug To Abandon						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
19,866	3						2-23-10			12:00
						ARRIVED AT JOB				2:30
19,903-19,905	3					START OPERATION				4:30
19,826-19,860	3					FINISH OPERATION				7:30
						RELEASED	2-23-10			8:00
						MILES FROM STATION TO WELL				25

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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
CP103	60/40 Poz Cement	sk	200		
CC200	Cement Gel	Lb	344		
E101	Heavy Equipment Mileage	mi	50		
E113	Bulk Delivery	tm	215		
E100	Pickup Mileage	mi	25		
CE240	Blending and Mixing Service	sk	200		
5003	Service Supervisor		1ea		
CF205	Cement Pump: 4,001 Feet To 5,000 Feet		1ea		

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SUB TOTAL  
\$ 4,069.81

CHEMICAL / ACID DATA:		

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

SERVICE REPRESENTATIVE: *C. Messick*

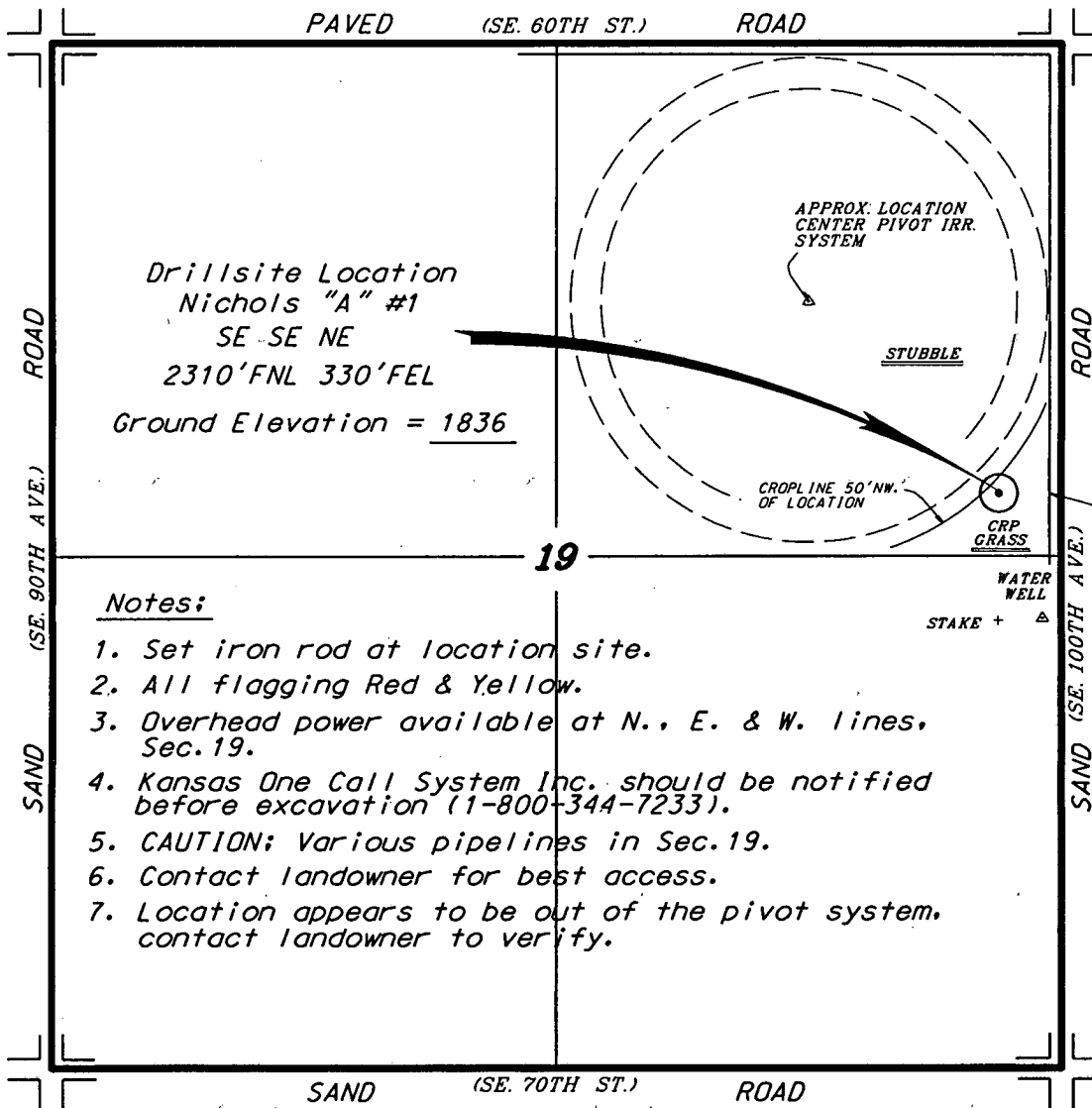
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Henry B...*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

REIF OIL & GAS COMPANY, LLC  
 NICHOLS LEASE  
 NE. 1/4, SECTION 19, T25S, R11W  
 STAFFORD COUNTY, KANSAS

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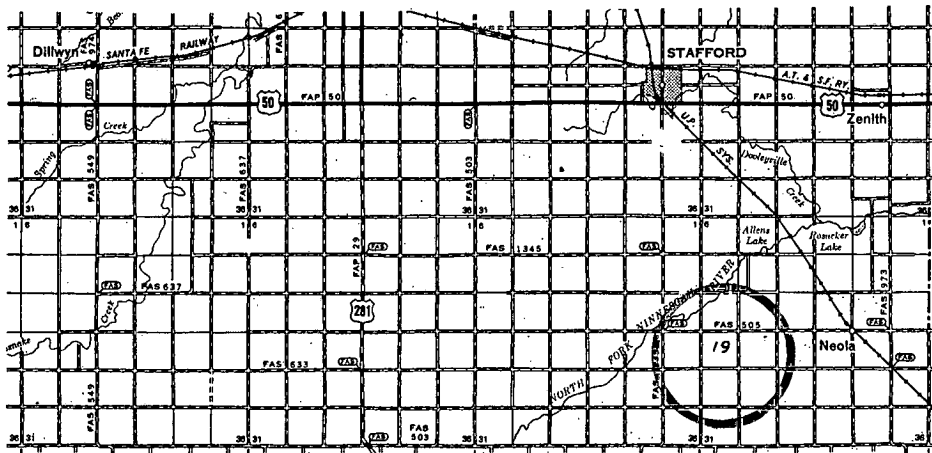
Drillsite Location  
 Nichols "A" #1  
 SE-SE NE  
 2310'FNL 330'FEL  
 Ground Elevation = 1836

Notes:

1. Set iron rod at location site.
2. All flagging Red & Yellow.
3. Overhead power available at N., E. & W. lines, Sec. 19.
4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
5. CAUTION: Various pipelines in Sec. 19.
6. Contact landowner for best access.
7. Location appears to be out of the pivot system, contact landowner to verify.

\* Ingress and egress to location as shown on this plat is per usage only and may not be legally opened for public use. Contact landowner, tenant, and county road department for access.

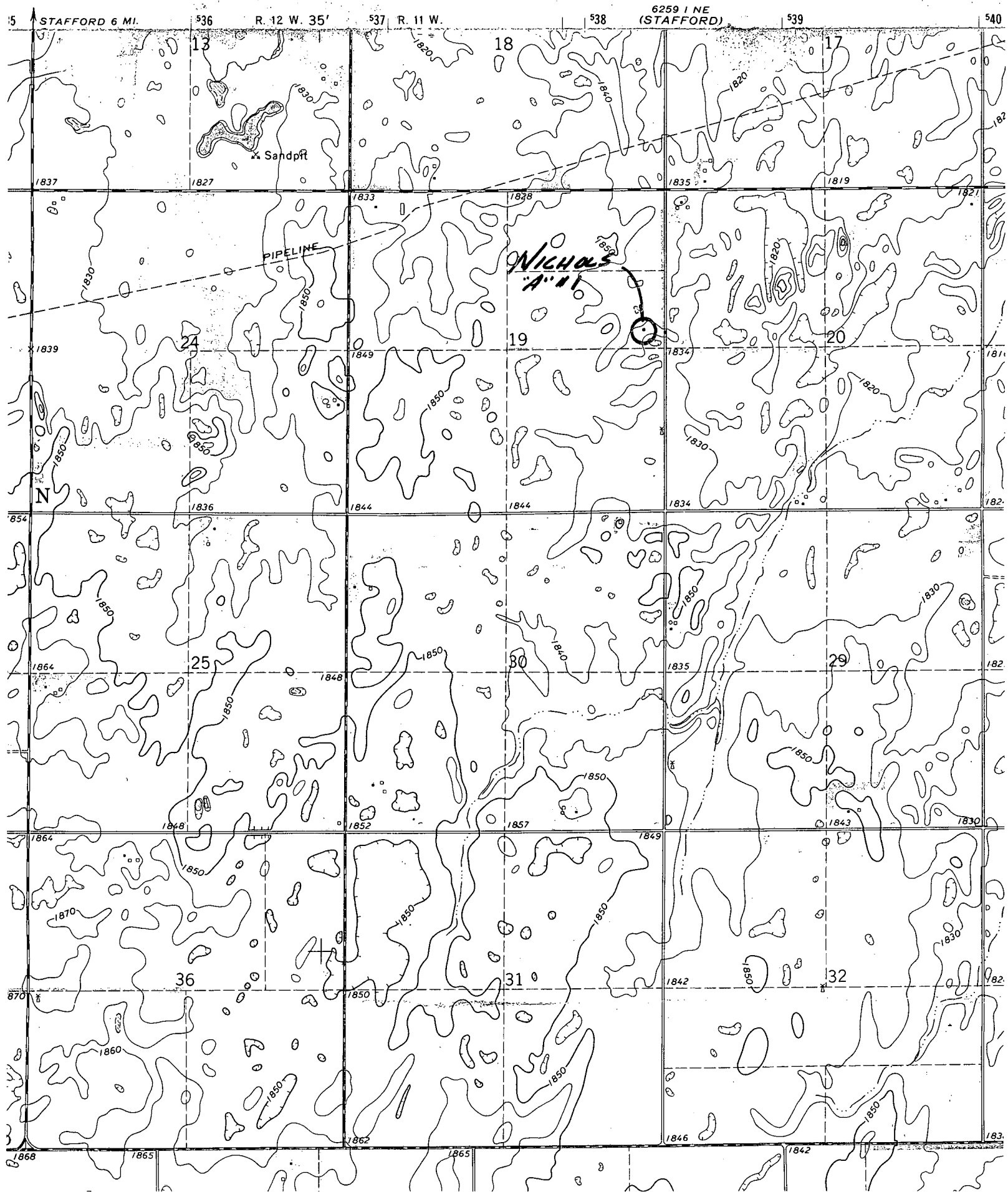
SCALE 1" = 1000'



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\* Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.  
 \* Approximate section lines were determined using the normal standard of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located, and the exact location of the drillsite location in the section is not guaranteed. Therefore, the operator securing this service and accepting this plat and all other parties relying thereon agree to hold Central Kansas Oilfield Services, Inc., its officers and employees harmless from all losses, costs and expenses and said entities released from any liability from incidental or consequential damages.  
 \* Elevations derived from National Geodetic Vertical Datum.

Date January 26, 2010



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## TREATMENT REPORT

Customer REFUEL GAS	Lease No.	Date 2-17-10
Lease NICKLS	Well # A-1	
Field Order #	Station Pratt, KS	Casing 5 1/8
		Depth
Type Job PACER - 8 5/8 C.T.	Formation	Legal Description 11-25-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 16	Tubing Size	Shots/Ft CNT-	Acid 20% HCL	Pre Pad 15% HCL	Rate 56 GPM	Press	ISIP
Depth 100	Depth	From	To	Pad	Max 60 GPM		5 Min.
Volume 44.5	Volume	From	To	Frac	Avg		10 Min.
Max Press 500	Max Press	From	To	HHP Used			15 Min.
Well Connection	Annulus Vol.	From	To	Gas Volume			Annulus Pressure
Plug Depth 6800	Packer Depth	From	To	Flush 43			Total Load

Customer Representative DAN REIF	Station Manager DAVE SCOTT	Treater KEEVEN LESLEY
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Service Units	7783	27463	19826	17860					
Driver Names	LESLEY	KLUSH	PHIVE						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00 AM					OPERATION - SAFETY MEETING
5:10 AM					READING CSD, DEPT ARRIVAL
5:50 PM					HOOK UP TO CSD - BREAK CIRC. LING
5:55 PM					CALCULATE WATER TANK T.F. FILL
6:26 PM			11	5	MIX ACID @ 12.0 #/GAL
6:44 PM			30	5	MIX COMMON @ 15.0 #/GAL
6:53 PM					SHUT DOWN - RELEASE PLUG
7:02 PM			12	60	START DISTANCEMENT
7:10 PM			43		PLUG DOWN
					CIRCULATION THRU JOB
					JOB COMPLETE
					THANKS,
					KEEVEN & CREW

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WICHITA, KS





# Agreement of Terms and Conditions

All sales of services, products, or materials by Basic Energy Services LP, (hereinafter called BES) to any Customer, unless otherwise set out in writing, are subject to the terms and conditions set out herein.

## Terms:

All Service Charges and materials included in service price list are NET. Unless satisfactory credit has been established, cash payment will be required in advance. Credit Customer agrees to pay BES in its office in Cisco, Texas, for all services and materials on or before the 20th of the following month after the date of the invoice. Customer's invoice is considered in default if payment has not been received by the last day of the month following the month in which the invoice is dated and services delivered. Past due accounts will be subject to a charge for interest at the highest rate allowable by law, and if placed in the hands of an attorney for collection, Customer agrees to pay all collection costs, reasonable attorney fees and court costs.

## Taxes:

All prices are exclusive of any Federal, State or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable. If payment of any applicable royalty or license fee is required in connection with any service performed by BES for Customer, such royalty or license fee will be billed to the Customer in addition to the price of the services performed.

## Special Pricing Provisions:

All materials listed in the price schedule are F.O.B. our field stock.

All prices are subject to change without notice.

The prices in this price list apply to normal operations. Special jobs under unusual circumstances on jobs requiring unusual mobilization of equipment and/or personnel, such as blowouts, experimental jobs, etc., are to be subject to special price quotations.

Orders for products of special design, size or materials are not subject to cancellation after processing of such order has begun by BES. Equipment altered, made to Customer's specifications, or requiring special handling, is subject to special prices.

If materials or services are ordered and the Customer cancels same after the materials have been prepared, a charge will be made to the Customer for expenses incurred.

Customer states that the well and all support personnel and services not being supplied by BES are ready and in condition to receive the materials and services being supplied by BES. Customer will be subject to a charge for "stand-by" time incurred by BES. For all BES services, stand-by time is all time our equipment is on location prior to commencement of operations or after completion of operations and is not operating for reasons not within the control of BES. Stand-by time is calculated from time of arrival on location or arrival time as scheduled by Customer, whichever is later, and until equipment is released by Customer.

## Towing Charges:

We will make reasonable attempts to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer. In either event, Customer assumes liability for any damages arising from such pulling or arising from inadequate access to the well site.

## Product Return:

Any BES Products that have been in the hands of the Customer, if not special or obsolete, will be accepted for credit, subject to our approval and inspection, if they are new unused and in salable condition. The Customer will pay the return freight, and will receive credit at the original purchase price less the original outbound freight. Any material classified or ordered as special is not subject to return or cancellation privileges.

## Service Warranty:

There are obviously many conditions in and about the well which we can have no knowledge and over which we can have no control. Therefore, we do not guarantee any particular results from services to be performed hereunder. In interpreting information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, BES will give Customer the benefit of its best judgment based on its experience in the field. However, due to the Customer's control of the well the impracticality of providing BES with all the data concerning same, and the necessary reliance of BES upon supporting services, data and facts supplied by others, BES does not guarantee or warrant the accuracy or correctness of any facts, information or data furnished by BES or any interpretation of tests, meter readings, chart information, analysis of research or recommendations made by BES, unless caused by the willful misconduct or gross negligence of BES in the preparation of furnishing of such facts, information or data and NO WARRANTY IS GIVEN CONCERNING THE RECOMMENDATIONS MADE OR SERVICES RENDERED BY THE COMPANY AND NO WARRANTY IS MADE CONCERNING THE RESULTS SOUGHT TO BE OBTAINED THROUGH USE OF MATERIALS RECOMMENDED BY THE COMPANY. The Company's liability for injury to all persons or damage to any property or property rights, including but not limited to reservoir damage sub-surface trespass or drainage, etc., occasioned by reason of materials sold or rented or services performed hereunder shall be limited to those occurring due to the acts of willful misconduct or gross negligence of BES, and Customer agrees to be responsible for and indemnify BES against any loss or damage it may sustain by reason of materials sold or rented or services performed hereunder, unless such loss or damage is caused by the willful misconduct or gross negligence of BES.

## Product Warranty:

BES warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended, and that it can convey good title thereto. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BES's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale of use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on the return to BES or at BES's option, to the allowance to the customer of credit for the cost of such items. In no event shall BES be liable for special, incidental, indirect, punitive or consequential damages.

## Service Conditions:

Because there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons not for loss or damage arising from the performance of our services or resulting therefrom.

BES shall not be liable or responsible for a Customer shall defend, indemnify, and save BES harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to Customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by or on behalf of Customer, the well owner, or any third person, arising out of or in connection with BES's performance of services or the furnishing of materials, products and supplies, unless caused by the willful misconduct or gross negligence of BES.

Customer shall also be responsible for and shall defend, indemnify and save BES harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occur-

ring as a result of sub-surface trespass arising out of any oil well operations or services performed by BES, this provision applying to any claims or legal actions or royalty owners, working interest holders, overriding royalty interest holders, or any other person or concern.

Should any of our equipment, tools or instruments become lost in the well when performing or attempting to perform our services hereunder, it is understood that the Customer shall make reasonable effort to recover the lost equipment. The Customer shall assume the entire responsibility for such fishing operations in the recovery or attempted recovery of any such lost equipment, tools or instruments and if such equipment, tools or instruments are not recovered, Customer shall pay BES its replacement cost unless such loss is due to the sole negligence of BES. If BES's equipment, tools or instruments are damaged in the well, Customer shall pay BES the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of BES.

Work done by BES shall be under the direction, supervision and control of the owner, operator, or his agent and BES will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

The Customer shall at all times have complete care, custody and control of the well, the drilling and production equipment at the well and the premises about the well.

Any delays or failure by BES in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident riot, acts of God, or any contingencies beyond the reasonable control of BES. Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

## General Provisions:

Wherever the initials BES appear in this document, they are intended solely to be an abbreviation of Basic Energy Services LP, and are used in substitution of such full name as if the full name were set out in each instance.

Any modifications of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this document, are hereby objected to BY REQUESTING ANY OF THE GOODS AND SERVICES SET FORTH HEREIN BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED IN THIS DOCUMENT.

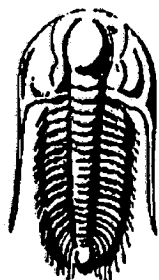
BES reserves the right to change or modify the design of any BES product without obligation to furnish or install such changes or modification on products previously or subsequently sold.

Information regarding our services rendered in Customer's well is held in strict confidence and will be released to others only upon written approval by owner, or when required by Federal, State or Local Laws, Regulations, Orders or Ordinances, or for use as evidence in court proceedings involving the subject matter of services rendered.

Failure to enforce any or all of the herein specified terms or conditions in any particular instance shall not constitute a continuing waiver, or preclude subsequent enforcement thereof.

No employee, representative or agent other than an officer of BES is empowered to alter any of the herein specified terms and conditions.

These terms and condition shall be governed by the laws of the State of Texas, and in case of any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, such shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Reif Oil & Gas Company**

P.O. Box 298  
Hoisington, KS 67544-0298

ATTN: Jim Musgrove / Don Re

**19 25 11 Stafford KS**

**NICHOLS 'A' #1**

Start Date: 2010.02.22 @ 05:33:00

End Date: 2010.02.22 @ 13:15:30

Job Ticket #: 36243                      DST #: 1

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WICHITA, KS**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Reif Oil & Gas Company

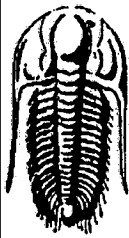
NICHOLS 'A' #1

19 25 11 Stafford KS

DST # 1

MISSISSIPPIAN

2010.02.22



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Reif Oil & Gas Company  
P.O. Box 298  
Hoisington, KS 67544-0298

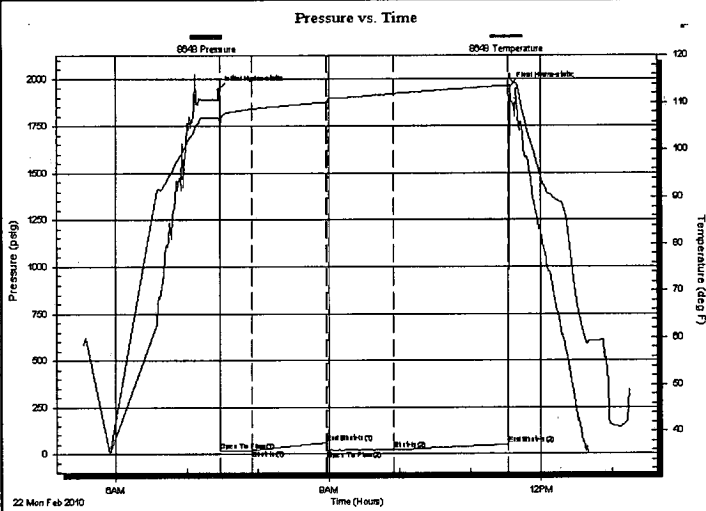
**NICHOLS 'A' #1**  
**19 25 11 Stafford KS**  
Job Ticket: 36243      **DST#: 1**  
Test Start: 2010.02.22 @ 05:33:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 07:28:20  
Time Test Ended: 13:15:30  
Interval: **3890.00 ft (KB) To 3960.00 ft (KB) (TVD)**  
Total Depth: 3960.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jake Fahrenbruch  
Unit No: 43  
Reference Elevations: 1841.00 ft (KB)  
1836.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8648**      Inside  
Press@RunDepth: 19.60 psig @ 3891.00 ft (KB)  
Start Date: 2010.02.22      End Date: 2010.02.22  
Start Time: 05:33:05      End Time: 13:15:29  
Capacity: 8000.00 psig  
Last Calib.: 2010.02.22  
Time On Btm: 2010.02.22 @ 07:26:40  
Time Off Btm: 2010.02.22 @ 11:33:59

**TEST COMMENT:** IF: Weak blow, built to 4" in bucket.  
IS: No blow back.  
FF: Weak blow, built to 2.75" in bucket.  
FS: No blow back.



## PRESSURE SUMMARY

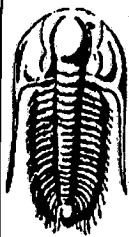
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.33	106.88	Initial Hydro-static
2	16.53	105.72	Open To Flow (1)
29	19.60	108.66	Shut-In(1)
92	58.73	110.08	End Shut-In(1)
92	16.17	110.19	Open To Flow (2)
148	22.36	111.90	Shut-In(2)
246	49.09	113.66	End Shut-In(2)
248	1959.01	115.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28
0.00	slight show of oil in test tool	0.00
0.00	60' +/- GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Reif Oil & Gas Company

**NICHOLS 'A' #1**

P.O. Box 298  
Hoisington, KS 67544-0298

**19 25 11 Stafford KS**

Job Ticket: 36243

**DST#: 1**

ATTN: Jim Musgrove / Don Reton, KS 67544-0298 Test Start: 2010.02.22 @ 05:33:00

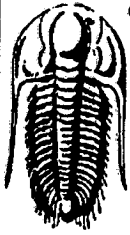
## Tool Information

Drill Pipe:	Length: 3878.00 ft	Diameter: 3.80 inches	Volume: 54.40 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3890.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 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			3875.00	
Hydraulic tool	5.00			3880.00	
Packer	5.00			3885.00	20.00 Bottom Of Top Packer
Packer	5.00			3890.00	
Stubb	1.00			3891.00	
Recorder	0.00	8648	Inside	3891.00	
Recorder	0.00	6799	Inside	3891.00	
Perforations	31.00			3922.00	
Blank Spacing	33.00			3955.00	
Bullnose	5.00			3960.00	70.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>90.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Reif Oil & Gas Company  
P.O. Box 298  
Hoisington, KS 67544-0298

**NICHOLS 'A' #1**  
**19 25 11 Stafford KS**  
Job Ticket: 36243      **DST#: 1**  
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**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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud	0.281
0.00	slight show of oil in test tool	0.000
0.00	60' +/- GIP	0.000

Total Length: 20.00 ft      Total Volume: 0.281 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

