

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 # 32047  
Name: MICA Energy Corp  
Address 1: P.O. Box 20707  
Address 2: \_\_\_\_\_  
City: Oklahoma City State: OK Zip: 73156 + \_\_\_\_\_  
Contact Person: Michael E. Carr  
Phone: ( 405 ) 942-4552  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Company, Inc.  
Wellsite Geologist: Dan Blankenau  
Purchaser: MV Purchasing, LLC

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 #: \_\_\_\_\_  
12/19/2010    1/31/2011    4/7/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 137-20542-00-00  
Spot Description: \_\_\_\_\_  
NE NE SW NE Sec. 7 Twp. 1 S. R. 23  East  West  
1,380 Feet from  North /  South Line of Section  
1,540 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Norton  
Lease Name: Sprigg Well #: 1  
Field Name: wildcat  
Producing Formation: Gorham Sand  
Elevation: Ground: 2337 Kelly Bushing: 2342  
Total Depth: 3565' Plug Back Total Depth: 3546'  
Amount of Surface Pipe Set and Cemented at: 220 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1856 Feet  
If Alternate II completion, cement circulated from: 1856  
feet depth to: surface w/ 185 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 2000 ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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: 4/28/11

**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: Dg Date: 5/11/11  
**RECEIVED**  
**MAY 02 2011**  
**KCC WICHITA**

Operator Name: MICA Energy Corp Lease Name: Sprigg Well #: 1  
 Sec. 7 Twp. 1 S. R. 23  East  West County: Norton

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>DIL, FDC-CNL, ML,</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>Anhydrite</td> <td>1857</td> <td>+485</td> </tr> <tr> <td>Base Anhydrite</td> <td>1883</td> <td>+459</td> </tr> <tr> <td>Oread</td> <td>3223</td> <td>-881</td> </tr> <tr> <td>Pollnow</td> <td>3314</td> <td>-972</td> </tr> <tr> <td>Base Kansas City</td> <td>3481</td> <td>-1139</td> </tr> <tr> <td>Gorham Sand</td> <td>3517</td> <td>-1175</td> </tr> </table>	Name	Top	Datum	Anhydrite	1857	+485	Base Anhydrite	1883	+459	Oread	3223	-881	Pollnow	3314	-972	Base Kansas City	3481	-1139	Gorham Sand	3517	-1175
Name	Top	Datum																				
Anhydrite	1857	+485																				
Base Anhydrite	1883	+459																				
Oread	3223	-881																				
Pollnow	3314	-972																				
Base Kansas City	3481	-1139																				
Gorham Sand	3517	-1175																				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	23#	220	common	185	2%gel, 3%CaCl
production	7 7/8"	5 1/2"	#14	3565	Swift EA-2	150	

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 checked="" type="checkbox"/> Plug Off Zone	3314-18	Class A	50	2%CaCl

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
4	3517-25	400 gal. 15% Heated Acid	
4	3314-18	250 gal. 15% acid	

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TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3536'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC WICHITA
Date of First, Resumed Production, SWD or ENHR. <u>April 7, 2011</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>15</u>	Gas Mcf	Water Bbls. <u>2</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3517-25</u>
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PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 125686

Invoice Date: Dec 19, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

<b>Bill To:</b>
MICA Energy, Corp. P. O. Box 20707 Oklahoma City, OK 73156

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Mica	Spring #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Dec 19, 2010	1/18/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	15.45	2,472.00
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
169.00	SER	Handling	2.40	405.60
80.00	SER	Mileage 169 sx @ .10 per sk per mi	16.90	1,352.00
1.00	SER	Surface	1,018.00	1,018.00
80.00	SER	Pump Truck Mileage	7.00	560.00
1.00	EQP	8.5/8 Plug	68.00	68.00

Post-it® Fax Note	7671	Date	12-28-10	# of pages	2
To	Make Carr	From	Judy		
Co./Dept		Co.			
Phone #		Phone #			
Fax #	405-942-6686	Fax #			

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MAY 02 2011  
KCC WICHITA

Subtotal	6,287.20
Sales Tax	208.09
Total Invoice Amount	6,495.29
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,495.29</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1257.29

ONLY IF PAID ON OR BEFORE

Jan 13, 2011

net \$5,737.85

# SWIFT



Services, Inc.

P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



## Invoice

DATE	INVOICE #
1/2/2011	19504

BILL TO
MICA Energy Corp PO Box 20707 Oklahoma City, OK 73156-0707

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Spriggs	Norton	Murfin Drilling #3	Oil	Development	Two-Stage	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				90	Miles	5.00	450.00
579D	Pump Charge - Two-Stage - 3565 Feet				1	Job	1,750.00	1,750.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.00	500.00T
290	D-Air				4	Gallon(s)	35.00	140.00T
402-5	5 1/2" Centralizer				4	Each	55.00	220.00T
403-5	5 1/2" Cement Basket				1	Each	200.00	200.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	275.00	275.00T
408-5	5 1/2" D.V. Tool & Plug Set				1	Each	2,600.00	2,600.00T
411-5	5 1/2" Recipo Scratcher				12	Each	45.00	540.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle				1	Each	200.00	200.00T
325	Standard Cement				150	Sacks	12.00	1,800.00T
330	Swift Multi-Density Standard (MIDCON II)				225	Sacks	15.00	3,375.00T
276	Flocele				100	Lb(s)	1.50	150.00T
283	Salt				750	Lb(s)	0.15	112.50T
284	Calseal				7	Sack(s)	30.00	210.00T
285	CFR-1				50	Lb(s)	4.00	200.00T
581D	Service Charge Cement				375	Sacks	1.50	562.50
583D	Drayage				1,696.5	Ton Miles	1.00	1,696.50
	Subtotal							15,081.50
	Sales Tax Norton County						7.05%	748.89

*I DC - MCP - Cement Prod Co*  
*MIC*

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MAY 02 2011  
KCC WICHITA

Thank You For Your Business In 2010! We Look Forward To Serving You In 2011!	Total	\$15,830.39
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# ALLIED CEMENTING CO. LLC. 040794

5-31-11

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

DATE = 105

DATE 12-19-10	SEC 7	TWP 1E	RANGE 23	CALLED OUT	ON LOCATION 10:00AM	JOB START 1:00PM	JOB FINISH 3:00PM
LEASE 58049	WELL# #1	LOCATION North on 10th St			COUNTY Morton	STATE KS	
OLD OR NEW (Circle one)		3" 24" - 29"					

CONTRACTOR <u>M. J. #3</u>	OWNER
TYPE OF JOB <u>Surf Seal</u>	CEMENT
HOLE SIZE <u>12" H</u>	AMOUNT ORDERED <u>160 Lbs 39cc</u>
CASING SIZE <u>2 3/8"</u>	DEPTH <u>3900</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>160 @ 13.45 = 2152.00</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSO <u>15</u>	GEL <u>3 @ 20.00 = 60.00</u>
PERFS.	CHLORIDE <u>6 @ 59.00 = 354.00</u>
DISPLACEMENT <u>13 #4</u>	ASC @

**EQUIPMENT**

PUMP TRUCK CEMENTER <u>Fuzzy</u>
# <u>431</u> HELPER <u>Willy</u>
BULK TRUCK
# <u>404</u> DRIVER <u>Dave</u>
BULK TRUCK
# DRIVER

**REMARKS:**  
 cement added to surface  
 Approx 4.5 ft  
 Plug down @ 1:30pm  
 Thanks Fuzzy

CHARGE TO: MO TCA Agency  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

HANDLING <u>169</u>	@ <u>2.40</u>	<u>405.60</u>
MILEAGE <u>102.66 miles</u>	@	<u>1352.00</u>
		<b>TOTAL</b> <u>4641.20</u>

**SERVICE**

DEPTH OF JOB <u>220</u>		
PUMP TRUCK CHARGE	@	<u>1018.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>90</u>	@ <u>7.00</u>	<u>630.00</u>
MANIFOLD	@	
		<b>TOTAL</b> <u>1578.00</u>

**PLUG & FLOAT EQUIPMENT**

<u>1-89/8 phg</u>	@	<u>68.00</u>
	@	
	@	
	@	
		<b>TOTAL</b> <u>68.00</u>

To Allied Cementing Co., LLC  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner, agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
SIGNATURE [Signature]

SALES TAX (if Any) \_\_\_\_\_  
TOTAL CHARGES \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Allow blanken au@coran.co  
 greatplains.com  
 402-443-6025  
 402-443-4177



CHARGE TO: Mica Energy  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET  
19504

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays, KS</u> 2. <u>Ness City, KS</u>	WELL PROJECT NO. #1	LEASE <u>Springs</u>	COUNTY/PARISH <u>Norton</u>	STATE <u>KS</u>	CITY	DATE <u>1-2-11</u>	OWNER <u>Same</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Marlin #3</u>	RIG NAME NO.	SHIPPED <u>OK</u>	DELIVERED TO <u>Location</u>	ORDER NO.		
WELL TYPE <u>oil</u>	WELL CATEGORY <u>development</u>	JOB PURPOSE <u>2 stage</u>	WELL PERMIT NO.	WELL LOCATION			

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		LN	LN	LN	LN	
575		1			MILEAGE #111	90	mi		5.00	450.00
579		1			Pump Charge (2-stage)	1	ea	3565	1750.00	1750.00
221		1			K.C.G.	4	gal		25.00	100.00
281		1			Mud Flush	500	gal		1.00	500.00
290		1			D-Air	4	gal		35.00	140.00
402		1			Centralizers	4	ea	52	53.00	212.00
403		1			Basket	1	ea		200.00	200.00
407		1			Insert Plug Shoe or Fill	1	ea		275.00	275.00
408		1			D.V. Tool & Plug set	1	ea		2600.00	2600.00
413		1			Return Recipe Scratchers	12	ea		43.00	516.00
417		1			D.V. L.D. Plug & Bezzle	1	ea		200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

TO BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 1-2-11 TIME SIGNED: 1430  
 BY: John Mondoro

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

PAGE TOTAL	1	6475.00
page 2	2	2000.00
subtotal		8475.00
Norton TAX 7.05%		15,081.50
TOTAL		15,830.39

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

**JOB LOG**

**SWIFT Services, Inc.**

DATE: 7-2-11 PAGE: 1

CUSTOMER: *Mico Energy*

WELL NO: *#1*

LEASE: *Spring 9*

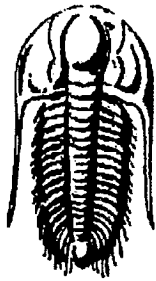
JOB TYPE: *2-stage*

TICKET NO: *195-04*

CHART NO.	TIME	RATE (BPM)	VOLUME (BSL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0815							0.06 cc w/ FE
								RTD 3565'
								5 1/2" x 14" x 3561' x 16'
								Leads 2, 6, 7, 40
								Basket 41
								DV 41 @ 1856'
	0925							Scratchers 4 on 2, 3, 7
	1055							Start FE
	1210	4.5	0			150		Break Circ Start Flush 500 gal Max Flush 200 gal Max Flush
	1213	5.5	82/10			200		Start Cement 150 sks FA-2
	1220		36					End Cement Wash P/L
	1225	10	0			200		Drop L.D Plug
	1233	5	48			200		Start Displacement water Mud
	1235	5	62			300		catch Cement
	1240		88.5			400/1000		Lead Plug Release Pressure Float Held
	1242							Drop Opening Plug wash up trk
	1300					1100		Open DV Circ
	1335	2.5	7/5					Start <del>Cement</del> Plug RH & MH 25/15 sk. SACK
	1345	5	0			150		Start Cement 185 sks SMD
	1407	5	105			150		End Cement Drop Closing Plug
	1410	5	0			150		Start Displacement
	1415	4	26			250		Circ. Cement
	1420		48			350/1000		Lead Plug Release Pressure DV Closed
								Circ 40 sks sent to pit
								Thank you
								Neck, John F. + Joe







**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **MICA Energy Corp.**

PO Box 20707  
Oklahoma City, OK 73156

ATTN: Richard Bell

**7/1s/23w Norton KS**

**Sprigg #1**

Start Date: 2010.12.30 @ 10:20:00

End Date: 2010.12.30 @ 17:30:00

Job Ticket #: 040097      DST #: 1

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

RECEIVED  
MAY 02 2011  
KCC WICHITA





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040097      **DST#: 1**  
Test Start: 2010.12.30 @ 10:20:00

### Tool Information

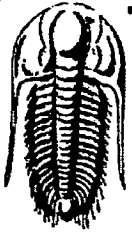
Drill Pipe:	Length: 2774.00 ft	Diameter: 3.80 inches	Volume: 38.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 516.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 41.45 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3295.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3272.00	
Hydraulic tool	5.00			3277.00	
Jars	5.00			3282.00	
Safety Joint	3.00			3285.00	
Packer	5.00			3290.00	28.00      Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	8366	Inside	3296.00	
Recorder	0.00	8320	Outside	3296.00	
Perforations	18.00			3314.00	
Bullnose	3.00			3317.00	22.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040097      **DST#: 1**  
Test Start: 2010.12.30 @ 10:20:00

## Mud and Cushion Information

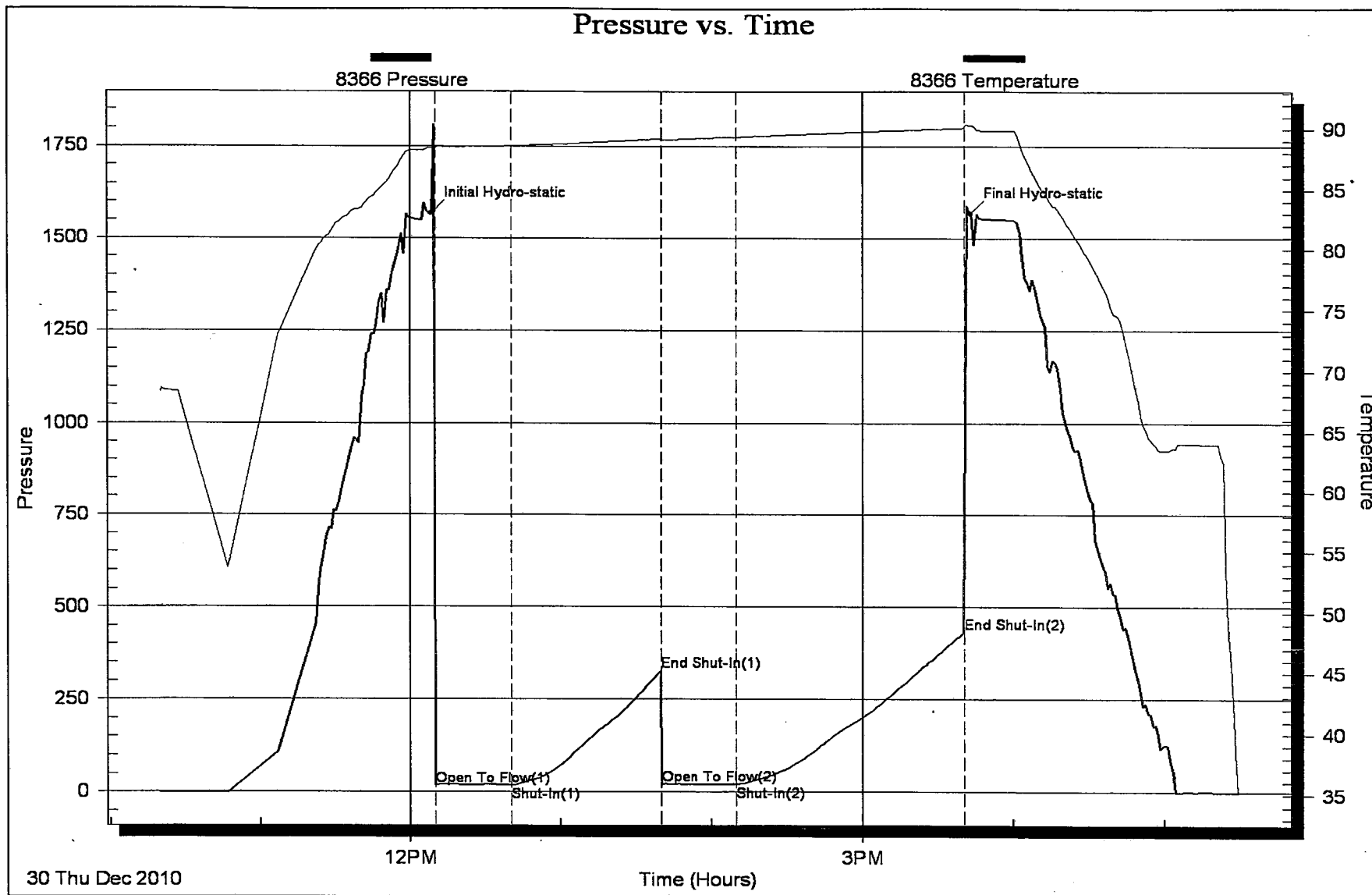
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 2.00 inches			

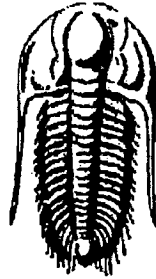
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	OCM 82% <sub>m</sub> , 18% <sub>o</sub>	0.030

Total Length: 6.00 ft      Total Volume: 0.030 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **MICA Energy Corp.**

PO Box 20707  
Oklahoma City, OK 73156

ATTN: Richard Bell

**7/1s/23w Norton KS**

**Sprigg #1**

Start Date: 2010.12.31 @ 12:36:00

End Date: 2010.12.31 @ 19:27:15

Job Ticket #: 040098      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

MICA Energy Corp.

Sprigg #1

7/1s/23w Norton KS

DST # 2

LKC "K"

2010.12.31





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040098      **DST#: 2**  
Test Start: 2010.12.31 @ 12:36:00

### Tool Information

Drill Pipe:	Length: 2899.00 ft	Diameter: 3.80 inches	Volume: 40.67 bbl	Tool Weight: 2000.00 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: 516.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 68000.00 lb
			<b>Total Volume: 43.21 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3429.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			3406.00	
Hydraulic tool	5.00			3411.00	
Jars	5.00			3416.00	
Safety Joint	3.00			3419.00	
Packer	5.00			3424.00	28.00      Bottom Of Top Packer
Packer	5.00			3429.00	
Stubb	1.00			3430.00	
Perforations	4.00			3434.00	
Recorder	0.00	8366	Inside	3434.00	
Recorder	0.00	8320	Outside	3434.00	
Perforations	18.00			3452.00	
Bullnose	3.00			3455.00	26.00      Bottom Packers & Anchor

**Total Tool Length: 54.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040098      DST#: 2  
Test Start: 2010.12.31 @ 12:36:00

**Mud and Cushion Information**

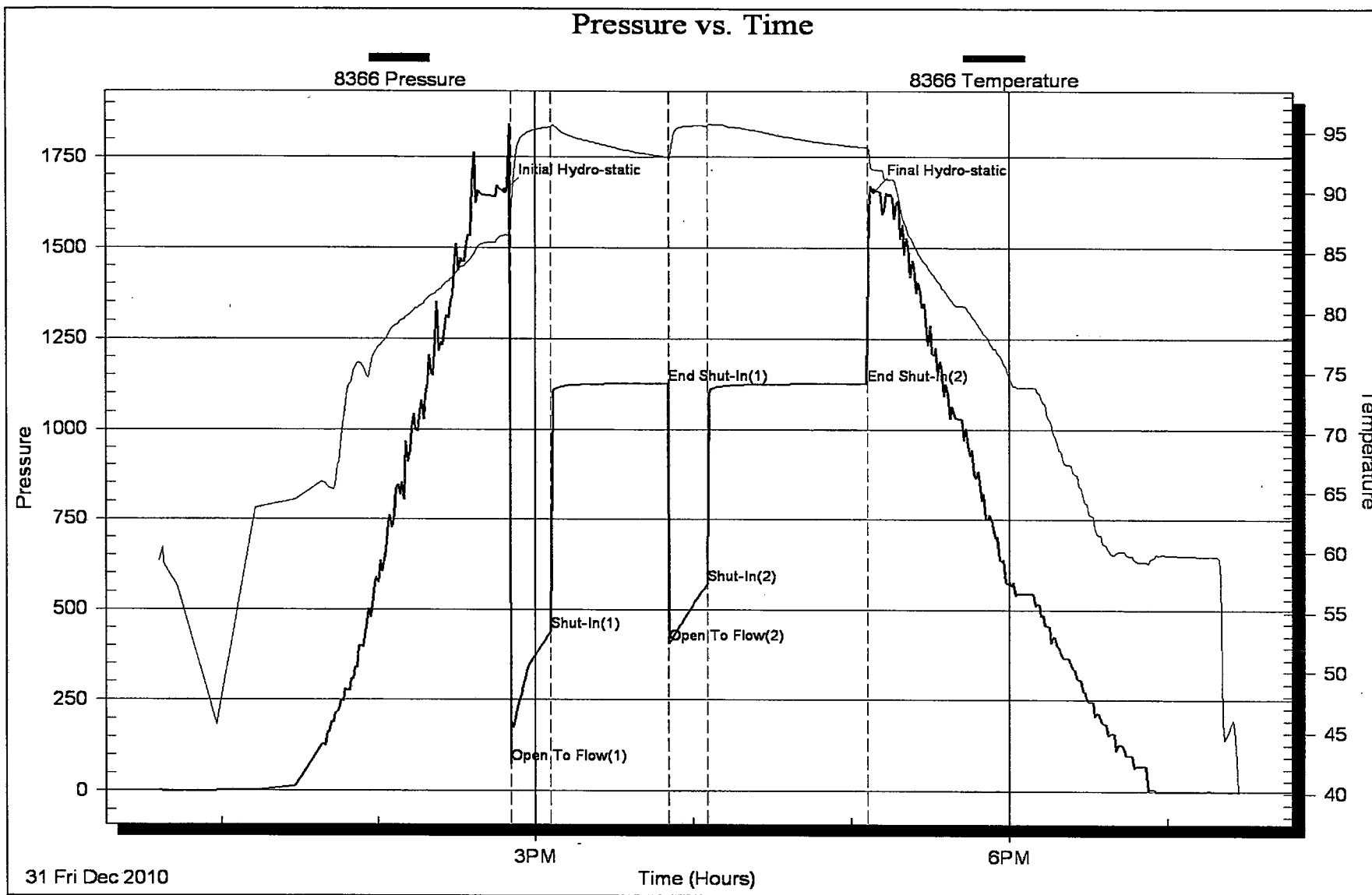
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	46000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 2.00 inches			

**Recovery Information**

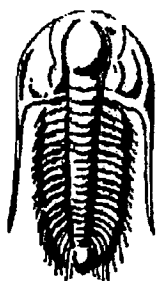
Recovery Table

Length ft	Description	Volume bbl
1040.00	Water 97%w, 3%m	9.888
100.00	MCW 71%w, 29%m	1.403

Total Length: : 1140.00 ft      Total Volume: 11.291 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW = .240 ohms @ 47.5F = Chlorides 46,000



31 Fri Dec 2010



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **MICA Energy Corp.**

PO Box 20707  
Oklahoma City, OK 73156

ATTN: Richard Bell

**7/1s/23w Norton KS**

**Sprigg #1**

Start Date: 2011.01.01 @ 04:11:00

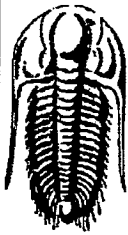
End Date: 2011.01.01 @ 11:52:30

Job Ticket #: 040099      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040099      **DST#: 3**  
Test Start: 2011.01.01 @ 04:11:00

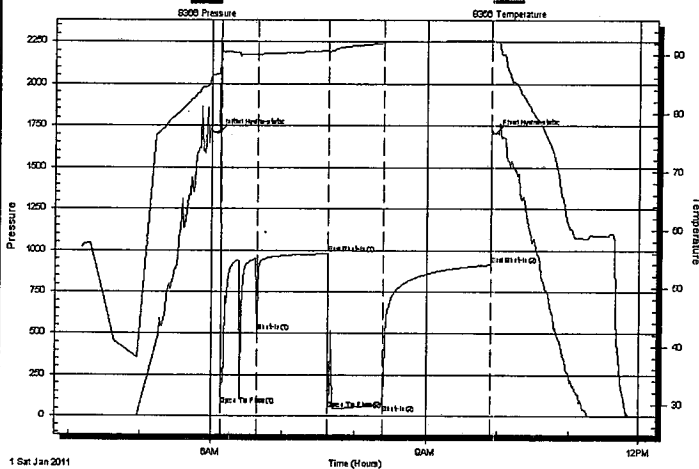
## GENERAL INFORMATION:

Formation: **Gorham Sand**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:08:00  
Time Test Ended: 11:52:30  
Interval: **3514.00 ft (KB) To 3524.00 ft (KB) (TVD)**  
Total Depth: **3524.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: James Winder  
Unit No: 46  
Reference Elevations: 2342.00 ft (KB)  
2337.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8366**      Inside  
Press@RunDepth: 74.12 psig @ 3515.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.01.01      End Date: 2011.01.01      Last Calib.: 2011.01.01  
Start Time: 04:11:05      End Time: 11:52:29      Time On Btm: 2011.01.01 @ 06:05:15  
Time Off Btm: 2011.01.01 @ 09:57:15

**TEST COMMENT:** IF: 1 1/4" blow at open, built to 2", slowly died back to 1 3/4" at close  
IS: Bled off, No blow back  
FF: Blow built to 3 3/4"  
FS: Bled off, No blow back

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.69	86.68	Initial Hydro-static
3	65.16	90.25	Open To Flow (1)
33	507.36	90.09	Shut-In(1)
93	978.48	90.72	End Shut-In(1)
93	45.22	90.24	Open To Flow (2)
138	74.12	92.01	Shut-In(2)
229	913.24	92.50	End Shut-In(2)
232	1702.16	92.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGOWCM 57% <i>m</i> , 34% <i>w</i> , 5% <i>o</i> , 4% <i>g</i>	0.15
30.00	MWCO 72% <i>o</i> , 10% <i>w</i> , 10% <i>m</i> , 8% <i>g</i>	0.15
60.00	CO 80% <i>o</i> , 20% <i>g</i>	0.30
20.00	Mud 100%	0.10
0.00	RW = .720 @ 32.4F = 20000 chlorides	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040099      DST#: 3  
Test Start: 2011.01.01 @ 04:11:00

**Tool Information**

Drill Pipe:	Length: 2992.00 ft	Diameter: 3.80 inches	Volume: 41.97 bbl	Tool Weight: 2000.00 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: 516.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 44.51 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3514.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

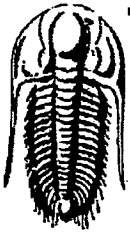
**Tool Comments:**

Tool slid 8' before open & chased 2' at open Hole lost 2' mud - 1 1/4" blow at open Tool plugging through IF

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3491.00	
Hydraulic tool	5.00			3496.00	
Jars	5.00			3501.00	
Safety Joint	3.00			3504.00	
Packer	5.00			3509.00	28.00      Bottom Of Top Packer
Packer	5.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.00	8366	Inside	3515.00	
Recorder	0.00	8320	Outside	3515.00	
Perforations	6.00			3521.00	
Bullnose	3.00			3524.00	10.00      Bottom Packers & Anchor

**Total Tool Length: 38.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

MICA Energy Corp.  
PO Box 20707  
Oklahoma City, OK 73156  
ATTN: Richard Bell

**Sprigg #1**  
**7/1s/23w Norton KS**  
Job Ticket: 040099      **DST#: 3**  
Test Start: 2011.01.01 @ 04:11:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	20000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SGOWCM 57% <i>m</i> , 34% <i>w</i> , 5% <i>o</i> , 4% <i>g</i>	0.148
30.00	MVCO 72% <i>o</i> , 10% <i>w</i> , 10% <i>m</i> , 8% <i>g</i>	0.148
60.00	CO 80% <i>o</i> , 20% <i>g</i>	0.295
20.00	Mud 100%	0.098
0.00	RW = .720 @ 32.4F = 20000 chlorides	0.000

Total Length: 140.00 ft      Total Volume: 0.689 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity to low to measure (I'm estimating 8 - 10 api - looked like hot roofing tar)

