

P-2

MS-16

47-31332-01

03020069

Ms. Johansen,  
I believe I  
have included all  
your requests. Please  
call with questions.

Thanks,

J.D. Dean RSO

138322

NMSS/RGNI MATERIALS-C02

# RADIOACTIVE MATERIAL TRANSFER CERTIFICATE

**OWNERSHIP TRANSFERRED TO:**

Contact: Shelby Leonard  
(505) 665-8292

U.S. Department of Energy  
Los Alamos National Laboratory  
Off-site Source Recovery Project  
P.O. Box 1663, MS J552  
Los Alamos, New Mexico 87545

**POSSESSION GIVEN TO:**

Keith E. Moon, LANL Subcontractor #22197-001-01-A1  
Radiation License No.: Texas LO5398  
Expiration Date: November 30, 2007

**SOURCE INFORMATION:**

<u>Material (isotope)</u>	<u>Quantity (activity)</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Leak Test Date</u>
Am/Be-241	3.0 Ci	GN 71-1	71-1-729B	11-6-01
" "	3.0 Ci	GN 71-1	71-1-533B	11-16-01
" "	3.0 Ci	GN 71-1	71-1-1016	11-16-01
" "	3.0 Ci	GN 71-1	71-1-629B	11-16-01
" "	3.0 Ci	GN 71-1	71-1-591B	11-16-01
" "	3.0 Ci	GN 71-1	71-1-628B	11-6-01
" "	2.7 Ci	NBHP	NB-30	11-16-01
" "	2.75 Ci	NBHP	NB-513	11-16-01

I hereby certify the above information to be correct and certify that the said radioactive source has been transferred to the above licensee who has a current license authorizing possession of the described radioactive source.

Date 12/10/01

By:

J.D. Dean, RSO  
(Signature)

J.D. Dean, RSO

(Title)

Key Energy Surveys/SERVICES

(Company)

Backhannon, WV

(Radioactive Material License Number)

I hereby acknowledge receipt of the above described radioactive source.

Date 12/10/01

By:

Keith E. Moon  
(Signature)

Keith E. Moon, Radiation Safety Officer  
Orion Valley Enterprises, Inc./Support Consultants

2006 JUL 25 AM 10:50  
RECEIVED  
REGION 1

---

Final site survey  
for Buckhannon,  
w/ yard.

PRIVATE LOT  
SURVEY METER I.D.:

Make: VICTOREEN

Model: 493

SER. No. 4190

Date Of:

Calibration 9-9-02

INSPECTED BY: J.A. DEAN RSD

Date: 10-12-02

Storage Huts

Air Compressor  
Room

R-A Storage Bunker

Body Shop

Wash  
Bay

Shop

Supply  
Room

Lounge

Print  
Room

Sec.  
Office

Parts Room

Offices

Wash  
Bays

Shop

KEY ENERGY SURVEYS  
P O BOX 296  
RT. #33 E. ELKINS ROAD  
BUCKHANNON, WV 26201

Phone : (304)472-2221



PRIVATE LOT

Figure #4

Martin Oil Company

SURVEYS

A	.02	MR/HR
B	.04	MR/HR
C	.03	MR/HR
D	.02	MR/HR
E	.02	MR/HR
F	.02	MR/HR
G	.01	MR/HR

Gas  
Pumps

To Buckhannon  
(1 mile)

Rt. 33 East (Elkins Road)

To Elkins

Sources transferred  
to Los Alamos

12-10-01

+  
Leak tests  
+ site <sup>Anal</sup> survey

TRANSFER NUMBER  006
----------------------------

# KEY ENERGY SERVICES

## SEALED RADIOACTIVE SOURCE TRANSFERS

PERMANENT TRANSFER		TEMPORARY TRANSFER	
Date: 12-10-01		Date:	
SERIAL NUMBER 71-1-101G	SOURCE TYPE AmBe 241	SOURCE STRENGTH 2.7 ci	
SERIAL NUMBER 71-1-533B	SOURCE TYPE AmBe 241	SOURCE STRENGTH 3.0 ci.	
SERIAL NUMBER 71-1-591B	SOURCE TYPE AmBe 241	SOURCE STRENGTH 3.0 ci.	
SERIAL NUMBER 71-1-629B	SOURCE TYPE AmBe 241	SOURCE STRENGTH 3.0 ci.	
SERIAL NUMBER NB-513	SOURCE TYPE AmBe 241 2.75 ci.	SOURCE STRENGTH 2.75 ci.	


All source transfers must be accompanied by the most current leak test for the source being shipped.


A Copy of this form is to be retained on file at the shipping district/location. A copy of the shipping paper is also to be retained at the shipping district.

The original of this form is to accompany the source to the new location. The original and a copy of the shipping paper is also to accompany the source to the new location.

The receiving district must sign the "receipt" section of this form and retain the original. The original shipping paper is also to be retained at the receiving district.

The receiving district must **MAIL** a photocopy of this document as well as a copy of this shipping paper to the Radiation Safety Office at the main office on the day the source is received.

SHIPPED BY	Name(Print)	JOB TITLE	SIGNATURE
	James D. Dean	Safety & Personnel Manager	

RECEIVED BY:	Name(Print)	JOB TITLE	SIGNATURE
	Keith E. Moon, LAS Alamos Nat'l Lab Contractor # 22197-001-01-A1		

DATE RECEIVED: 12/10/01
-------------------------

TRANSFER NUMBER

006

## KEY ENERGY SERVICES

## SEALED RADIOACTIVE SOURCE TRANSFERS

PERMANENT TRANSFER

TEMPORARY TRANSFER

Date:

12-10-01

Date:

SERIAL NUMBER

NB-30

SOURCE TYPE

AmBe 241

SOURCE STRENGTH

2.7 ci.

SERIAL NUMBER

71-1-428B

SOURCE TYPE

AmBe 241

SOURCE STRENGTH

3 ci.

SERIAL NUMBER

71-1-729B

SOURCE TYPE

AmBe 241

SOURCE STRENGTH

3 ci.

SERIAL NUMBER

SOURCE TYPE

SOURCE STRENGTH

SERIAL NUMBER

SOURCE TYPE

SOURCE STRENGTH

All source transfers must be accompanied by the most current leak test for the source being shipped.


A Copy of this form is to be retained on file at the shipping district/location. A copy of the shipping paper is also to be retained at the shipping district.

The original of this form is to accompany the source to the new location. The original and a copy of the shipping paper is also to accompany the source to the new location.

The receiving district must sign the "receipt" section of this form and retain the original. The original shipping paper is also to be retained at the receiving district.

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SHIPPED BY	Name(Print)	JOB TITLE	SIGNATURE

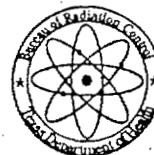
RECEIVED BY:	Name(Print)	JOB TITLE	SIGNATURE
Keith E. Moon, Los Alamos Nat'l Lab		Contractor # 22197-001-01-A1	

DATE RECEIVED:

12/10/01



Texas Department of Health  
**BUREAU OF RADIATION CONTROL**



# **RADIOACTIVE MATERIAL LICENSE**

Pursuant to the Texas Radiation Control Act and Texas Health Department regulations on radiation, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Texas Department of Health (Agency) now or hereafter in effect and to any conditions specified below.

<b>LICENSEE</b>  1. Name <b>ONION VALLEY ENTERPRISES INC DBA SUPPORT CONSULTANTS ATTN KEITH E MOON</b>  2. Address <b>ROUTE 2 BOX 254 DE LEON TX 76444-9203</b>			This license is issued in response to an application	
Dated: <b>November 17, 2000</b>				
Signed by: <b>Keith E. Moon</b>				
3. License Number <b>L05398</b>	Amendment Number <b>00</b>			
<b>PREVIOUS AMENDMENTS ARE VOID</b>				
4. Expiration Date <b>November 30, 2007</b>				
<b>RADIOACTIVE MATERIAL AUTHORIZED</b>				
5. Radioisotope A. Am-241 Pu-238	6. Form of Material A. Sealed sources	7. Maximum Activity* A. No single source to exceed 20 Ci		
8. Authorized Use A. Recovery of sealed sources designated by the U.S. Department of Energy (DOE). Preparation of sealed sources for transport in approved DOE shipping containers.				

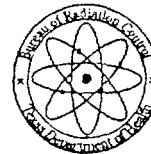
\* Ci-Curies mCi-Millicuries  $\mu$ Ci-Microcuries

9. The licensee shall comply with the provisions (as amended) of Title 25 Texas Administrative Code (TAC) §289.201, §289.202, §289.203, §289.204, §289.205, §289.251, §289.252 and §289.257.
10. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Keith E. Moon.
11. Radioactive material shall only be used by Keith E. Moon.
12. The licensee shall notify in writing the Director, Division of Compliance and Inspection, Bureau of Radiation Control, Texas Department of Health, 1100 West 49th Street, Austin, Texas 78756-3189, or by facsimile to (512) 834-6654, at least three days prior to conducting activities authorized by this license (licensed activities) in Texas. The notification shall include the date and approximate time the proposed work will start, physical location, and identification of radioactive material to be recovered including isotope and activity. If, for a specific case, the three-day limitation would pose an undue hardship on the licensee, the licensee may, upon notification to the Agency, obtain permission to proceed sooner.
13. The authorized place of use is at temporary sites, in areas not under exclusive Federal jurisdiction, throughout Texas.
14. Copies of all documents and records required by this license shall be maintained for Agency review at 8259 Highway 16 on Private Road 8251, De Leon, Texas. Copies of all documents and records generated by conducting licensed activities shall be maintained by the licensee for inspection by the Agency for three years.
15. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders.





Texas Department of Health  
BUREAU OF RADIATION CONTROL



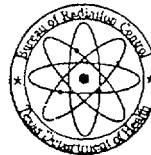
## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L05398	00

16. Except for plutonium contained in a medical device designed for individual human application, no plutonium, regardless of form or quantity, shall be delivered to a carrier for shipment by air transport or transported in an aircraft by the licensee unless it is contained in a package that has been specifically approved by the United States Nuclear Regulatory Commission (NRC) for aerial shipment of plutonium.
17. Proposed substantive changes or additions to the licensee's radiation safety and operating procedures shall be submitted to and approved by the Agency before being implemented or incorporated into the radiation safety program.
18. Transport containers containing radioactive material shall be locked and physically secured to the transporting vehicle, during transport and while not being used at temporary sites, to prevent accidental loss, tampering or unauthorized removal.
19. Electronic personal dosimetry shall be reset and "start" readings recorded immediately prior to beginning any licensed activities. Whenever licensed activities are concluded for the day, the "end" readings on electronic personal dosimetry shall be recorded and the accumulated occupational doses for that day determined and recorded. Records required by this condition shall include accumulated doses from neutron and gamma radiations, date of licensed activities, unique identification of electronic dosimetry, the last date of calibration/response check and signature. Records required by this condition shall be maintained for inspection by the Agency for three years.
20. While conducting licensed activities, the licensee shall maintain visual surveillance of the operation to protect against personnel entry into a radiation area.
21. The licensee shall use tools that will assure remote handling of sealed sources of radiation at all times.
22. When handling sealed sources of radiation lacking current leak test certification of no leakage, the licensee shall wear appropriate personnel protective equipment. For sealed sources having current leak test certification, the licensee shall maintain a copy of each certification for inspection by the Agency for three years.
23. Leak test swiping media shall be round and have dimensions no greater than 2.0 inches in diameter. During counting the swiped side of the leak testing media shall be oriented towards the detector rather than toward the bottom of the sample chamber. If any leak test reveals the presence of contamination or leakage, the licensee shall report the incident to the Agency in accordance with 25 TAC §289.202(bbb).
24. The licensee shall maintain records of survey instrument calibration and electronic personal dosimetry calibration/response check for inspection by the Agency for three years.
25. This license does not authorize the storage of radioactive material.



Texas Department of Health  
BUREAU OF RADIATION CONTROL



## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L05398	00

26. Each day before use, the licensee shall perform visual and operational checks of equipment referenced in application and letter dated November 17, 2000, conditions 21 and 22 to ensure that:
- A. the equipment is in good working condition;
  - B. required labeling is present and legible; and
  - C. survey instrumentation is responding to radiation.

If any inspection reveals damage to labeling or components critical to radiation safety, the equipment shall be removed from service at the time the damage is discovered and until repairs have been made. Records of equipment inspection, maintenance and problems shall include unique identification of equipment and labels, apparent condition, repair or replacement notations, date of inspection and signature. Records required by this condition shall be maintained for inspection by the Agency for three years.

27. A. Prior to conducting licensed activities, radiation surveys shall be made and recorded for each area where radioactive materials are used.
- B. If the licensee has reason to believe that a sealed source of radiation has become damaged or is leaking, the licensee shall immediately conduct a radiation survey, including a contamination survey, during and after the completion of licensed activities.
- C. Records required by this condition shall include the date, the unique identification of the survey instrument and probe used, radiation measurements in milliroentgen per hour for neutron and gamma radiations, and an exact description of the location of the survey. Records required by this condition shall be maintained for inspection by the Agency for three years.
28. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

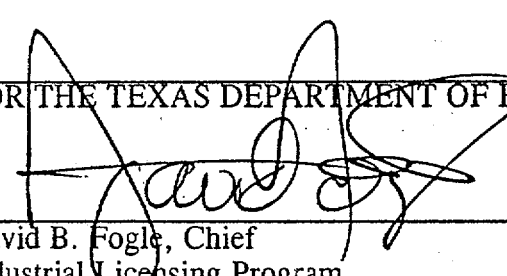
application dated November 17, 2000 and  
letter dated November 17, 2000.

Title 25 TAC §289 shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

DBF:df

Date November 30, 2000

FOR THE TEXAS DEPARTMENT OF HEALTH

  
David B. Fogle, Chief  
Industrial Licensing Program

**\*\*\* MICROTEC SERVICES, INC. \*\*\***

110 CHARLES STREET PASADENA, TEXAS 77506 713-475-2274

**\* PACKING LIST FOR LEAKTEST RESULTS \***

COMPANY CODE - 110011  
COMPANY NAME - KEY ENERGY SURVEYS  
MAILING ADDRESS - 2250 ROXALANA ROAD  
MAILING ADDRESS CITY - DUNBAR, WV. 25064  
SHIPPING ADDRESS - 2250 ROXALANA ROAD  
SHIPPING ADDRESS CITY - DUNBAR, WV. 25064  
CONTACT PERSON - DAVID CLARK  
TELEPHONE NUMBER - 304-744-9466  
DATE - 11-14-2001

**\* THESE FORMS MUST BE FILED AND MAINTAINED WITH YOUR RADIATION SAFETY RECORDS \***

SERIAL NUMBER	DATE-OF-TEST	REMARKS
---------------	--------------	---------

21-1-7298	11- 6-2001	TRUCK #60004
21-1-6288	11- 6-2001	TRUCK #60004

TOTAL = 2

SEND 2 LEAK TEST KITS.

**MICROTEC SERVICES, INC.**

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS**\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\***CUSTOMER: KEY ENERGY SURVEYS  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-628B  
ISOTOPE: AM-241 BE  
ACTIVITY: 3 CI.  
REMARKS: TRUCK #60004  
MFR/MODEL: GULF NUCLEAR 71-1  
DATE OF TEST: 6-NOV-2001**\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\***GROSS COUNTS: 37  
BACKGROUND COUNTS: 37  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 MicrocuriesDATE ANALYZED: 14-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656

**MICROTEC SERVICES, INC.**

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-729B

ISOTOPE: AM-241 BE

ACTIVITY: 3.0 CI.

REMARKS: TRUCK #60004

MFR/MODEL: GULF NUCLEAR 71-1

DATE OF TEST: 6-NOV-2001

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 46

BACKGROUND COUNTS: 46

COUNTING EFFICIENCY: 47.2%

CONTAMINATION (DPM): 0.0

REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 14-NOV-2001

ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656

\*\*\* MICROTEC SERVICES, INC. \*\*\*

110 CHARLES STREET PASADENA, TEXAS 77506 713-475-2274

\* PACKING LIST FOR LEAKTEST RESULTS \*

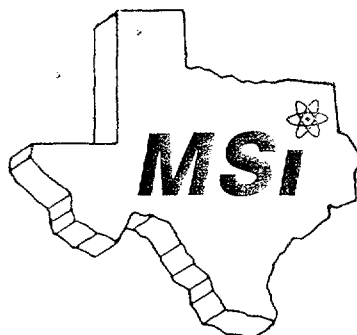
COMPANY CODE - 110010  
COMPANY NAME - KEY ENERGY SURVEYS  
MAILING ADDRESS - P.O. BOX 296  
MAILING ADDRESS CITY - BUCKHANNON, WV. 26201  
SHIPPING ADDRESS - ROUTE 33, EAST ELKINS ROAD  
SHIPPING ADDRESS CITY - BUCKHANNON, WV. 26201  
CONTACT PERSON - CHARLIE THOMASON  
TELEPHONE NUMBER - 304-472-2221  
DATE - 11-20-2001

\* THESE FORMS MUST BE FILED AND MAINTAINED WITH YOUR RADIATION SAFETY RECORDS \*

SERIAL NUMBER	DATE-OF-TEST	REMARKS
71-1-101G	11-16-2001	
71-1-533B	11-16-2001	
71-1-591B	11-16-2001	
71-1-629B	11-16-2001	
NB-513	11-16-2001	
NB-30	11-16-2001	

TOTAL = 6

SEND 6 LEAK TEST KITS.



# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-101G  
ISOTOPE: AM-241 BE  
ACTIVITY: 2.7 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR 71-1  
DATE OF TEST: 16-NOV-2001

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

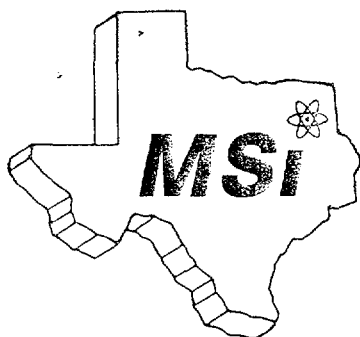
GROSS COUNTS: 28  
BACKGROUND COUNTS: 28  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 20-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-533B  
ISOTOPE: AM-241 BE  
ACTIVITY: 3.0 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR 71-1  
DATE OF TEST: 16-NOV-2001

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 33  
BACKGROUND COUNTS: 33  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001' Microcuries

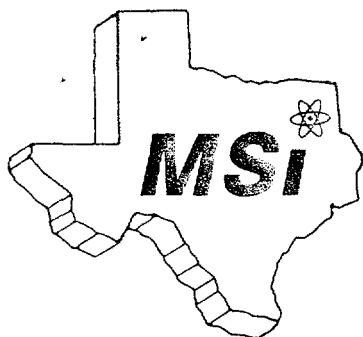
DATE ANALYZED: 20-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656





# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-591B  
ISOTOPE: AM-241 BE  
ACTIVITY: 3.0 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR 71-1  
DATE OF TEST: 16-NOV-2001

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

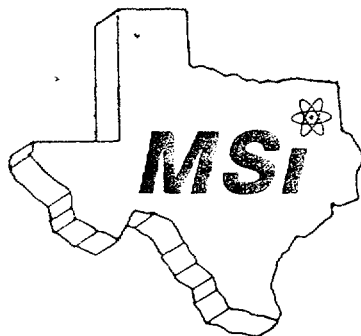
GROSS COUNTS: 24  
BACKGROUND COUNTS: 24  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 20-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: 71-1-629B

ISOTOPE: AM-241 BE

ACTIVITY: 3.0 CI.

REMARKS:

MFR/MODEL: GULF NUCLEAR 71-1

DATE OF TEST: 16-NOV-2001

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 31

BACKGROUND COUNTS: 31

COUNTING EFFICIENCY: 47.2%

CONTAMINATION (DPM): 0.0

REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

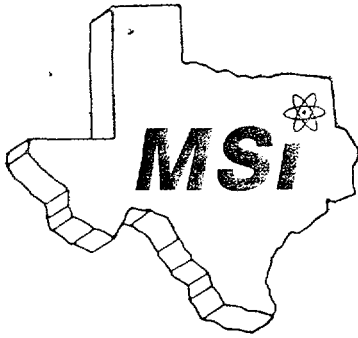
DATE ANALYZED: 20-NOV-2001

ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: NB-513  
ISOTOPE: AM-241 BE  
ACTIVITY: 2.75 CI.  
REMARKS:  
MFR/MODEL:  
DATE OF TEST: 16-NOV-2001

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

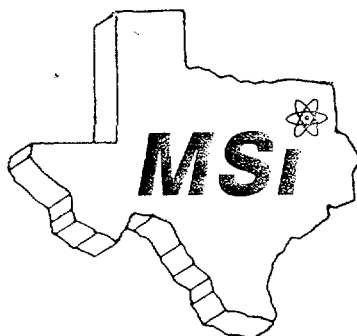
GROSS COUNTS: 42  
BACKGROUND COUNTS: 42  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 20-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



# MICROTEC SERVICES, INC.

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SURVEYS  
BUCKHANNON, WV. 26201

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: NB-30  
ISOTOPE: AM-241 BE  
ACTIVITY: 2.7 CI.  
REMARKS:  
MFR/MODEL:  
DATE OF TEST: 16-NOV-2001

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 31  
BACKGROUND COUNTS: 31  
COUNTING EFFICIENCY: 47.2%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001' Microcuries

DATE ANALYZED: 20-NOV-2001  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656

Sources transferred  
to "Onion Valley Ent."  
on 10-10-2005  
+ Leak Tests for  
Same.

## BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS, that for and in consideration of the payment of the sum of Seven Thousand, Five Hundred Dollars (\$7,500.00), plus applicable sales tax in cash and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and accepted WellTech Eastern, Inc. (the "**Seller**") hereby grants, bargains, sells, transfers, conveys and assigns to Onion Valley Enterprises, Inc. ("**Buyer**") all right, title and interest that the Seller has in and to the assets identified on Exhibit A attached hereto (collectively, the "**Assets**").

TO HAVE AND TO HOLD, all and singular, the Assets hereby sold, assigned, transferred and conveyed to the Buyer to and for the Buyer's benefit and use. The Seller hereby warrants that it is the lawful owner in every respect of the Assets and that all of such Assets are being transferred and conveyed free and clear of any and all encumbrances of every kind and character whatsoever. The Seller warrants and shall defend title to the Assets unto the Buyer against all persons whomsoever lawfully claiming or to claim the same or any part thereof.

**THE ASSETS ARE SOLD TO BUYER ON AN "AS IS" BASIS WITHOUT WARRANTY, EXPRESS OR IMPLIED OF ANY KIND WHATSOEVER. BUYER AGREES THAT IT WILL ACCEPT THE ASSETS IN THEIR CURRENT CONDITION WITH ALL FAULTS, WHETHER LATENT OR PATENT, AND AGREES THAT IT SHALL NOT HAVE ANY RIGHT TO TERMINATE OR RESCIND THIS SALE BASED ON ANY FAILURE OR DEFECT IN OR CONDITION OF THE ASSETS, IT BEING UNDERSTOOD THAT THE BUYER TAKES THE ASSETS "AS IS" AND "WHERE IS", BUYER HEREBY ACKNOWLEDGING RELIANCE SOLELY ON ITS OWN SKILL AND JUDGEMENTS AND ITS OWN INSPECTION OF THE ASSETS, AND NOT ON ANY WARRANTIES, REPRESENTATIONS FROM SELLER OR ANY PRIOR OWNERS OF THE ASSETS. BUYER ACKNOWLEDGES AND AGREES THAT SELLER HAS NOT MADE, DOES NOT MAKE AND SPECIFICALLY DISCLAIMS ANY REPRESENTATIONS, WARRANTIES, PROMISES, COVENANTS, AGREEMENTS OR GUARANTIES OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER STATUTORY, EXPRESS OR IMPLIED, ORAL OR WRITTEN, PAST, PRESENT OR FUTURE, OF, AS TO, CONCERNING OR WITH RESPECT TO: (A) THE NATURE, QUALITY OR CONDITION OF THE ASSETS; (B) THE SUITABILITY OF THE ASSETS FOR ANY AND ALL ACTIVITIES AND USES WHICH BUYER MAY INTEND FOR THE ASSETS; (C) THE COMPLIANCE OF OR BY THE ASSETS WITH ANY LAWS, RULES, ORDINANCES OR REGULATIONS OF ANY APPLICABLE GOVERNMENTAL AUTHORITY OR BODY; (D) THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE ASSETS; OR (E) OTHERWISE WITH RESPECT TO THE CONDITION OF THE ASSETS.**

Buyer does hereby agree to release, indemnify and hold Seller harmless from all claims, lawsuits, liabilities, losses, damages and expenses related to, arising from or asserted to arise from the date hereof or the condition of the Assets. Buyer agrees to take delivery of the Assets at its present location without physical delivery, shipment or transportation by Seller. Title and risk of loss to the Assets shall pass to Buyer upon execution and delivery of this Bill of Sale. The Seller, for itself and its successors and assigns, further covenants and agrees that the Seller, its

successors and assigns, shall do or cause to be done all such further acts, and shall execute, acknowledge and deliver, or shall cause to be executed, acknowledged and delivered, any and all such other bills of sale, endorsements, assignments, transfers, conveyances and assurances as the Buyer, its successors and assigns, may reasonably require for the better assuring, assigning, transferring and conveying unto the Buyer, its successors and assigns, all and singular, the Assets, to protect the right, title and interest of the Buyer, its successors and assigns, in and to, and its and their enjoyment of, all and singular, the Assets.

This instrument shall be binding on the Seller, its successors and assigns, and shall inure to the benefit of the Buyer and its successors and assigns.

***[Signature Page Follows]***

IN WITNESS WHEREOF, this Bill of Sale is executed by the Seller as of the 18<sup>th</sup> day of October 2005.

**SELLER:**

**WELLTECH EASTERN, INC.**

By: [Signature]  
Name: DAVID BOWEN  
Title: PRESIDENT

**BUYER:**

**UNION VALLEY ENTERPRISES, INC.**

By: [Signature]  
Name: Mark M. M. M.  
Title: REP. From Union Valley East, Inc.

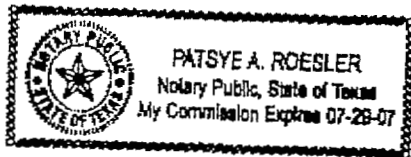


STATE OF TEXAS

COUNTY OF HARRIS

§  
§  
§

BEFORE ME, the undersigned authority, on this 18<sup>TH</sup> day of October, 2005, personally appeared Phil Coyne, President of WellTech Eastern, Inc., known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same in the capacity and for the purposes and consideration therein stated.



Patsye A. Roesler  
Notary Public in and for the State of Texas

PATSYE A. ROESLER  
Printed Name of Notary  
My Commission Expires: 07/29/07

STATE OF WEST VIRGINIA

COUNTY OF Kanawha

§  
§  
§

BEFORE ME, the undersigned authority, on this 18<sup>TH</sup> day of October, 2005, personally appeared Michael W. Mackey, authorized representative of Onion Valley Enterprises, Inc., known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same in the capacity and for the purposes and consideration therein stated.

Judy A. Detamore

Notary Public in and for the State of West Virginia

JUDY A. DETAMORE

Printed Name of Notary

My Commission Expires: 3/13/2006

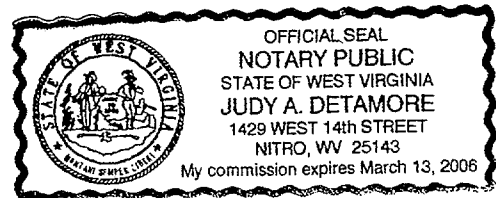


EXHIBIT A

## Open Hole Tools

Quantity	Manufacturer	Type
5	Oilex	Density Tools
2	Oilex	Sidewall Neutron Tools
3	Landy Doyle	Dual Induction Tools
10	Landy Doyle	Single Induction Tools

## Radioactive Sources

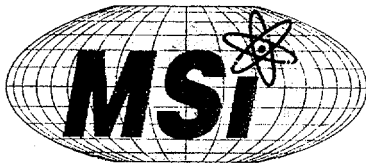
Isotope	Activity	Serial Number
CS-137	250 MCi	CSV-G8
RA-226	20 UCi	RA-20S-760
CS-137	2.0 Ci	CSV-988
CS-137	2.0 Ci	CSV-F7
CS-137	2.0 Ci	CSV-J33
CS-137	2.0 Ci	CSV-G99
CS-137	125 MCi	CSV-M48
CS-137	250 MCi	CSV-2081
CS-137	2.0 Ci	CSV-L72
CS-137	2.0 Ci	CSV-A415
RA-226	20 UCi	RA-20S-02
CS-137	2.0 Ci	CSV-D19
CS-137	2.0 Ci	CSV-D30
CS-137	2.0 Ci	CSV-F31
RA-226	20 UCi	RA-20S-575

**Oilex Density tool serial #s:** 1( no # ), 2. #2226, 3. #22106, 4. #2122, 5. #22091

**Oilex Neutron tool Serial #'s** 1. #3006 2. #3007

**Landy Doyle/Precision single Induction tool serial #'s** 1. (no #) 2. #133, 3. #193, 4. #172, 5. #0902, 6. #194, 7. #606, 8. #105, 9. #178, 10. #101

**Landy Doyle/Precision Dual Induction tools serial #'s** 1. #125, 2. #1538, 3. #1537



# MICROTEC SERVICES, INC.

110 Charles Street • Pasadena, TX 77506  
Tel (713) 475-2274 Fax (713) 475-2362

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-F31  
ISOTOPE: CS-137  
ACTIVITY: 2.0 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 211  
BACKGROUND COUNTS: 211  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



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LEAK TESTING  
CALIBRATIONS  
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NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-G8  
ISOTOPE: CS-137  
ACTIVITY: 250 MCI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

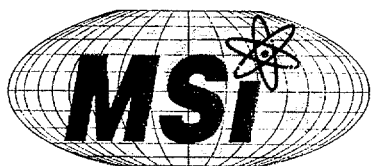
\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 199  
BACKGROUND COUNTS: 199  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)



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## \*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-988  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS: TRUCK #60004  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

## \*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 201  
BACKGROUND COUNTS: 201  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

*(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)*

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CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-M48  
ISOTOPE: CS-137  
ACTIVITY: 125 MCI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 193  
BACKGROUND COUNTS: 193  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656





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\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-L72  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS: SLIM HOLE  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

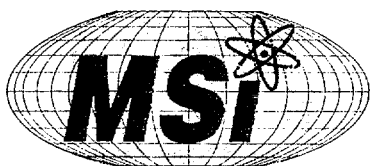
GROSS COUNTS: 193  
BACKGROUND COUNTS: 193  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

*(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)*

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\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-D19  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

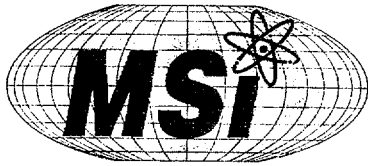
GROSS COUNTS: 229  
BACKGROUND COUNTS: 229  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 16 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



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LEAK TESTING  
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\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-G99  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

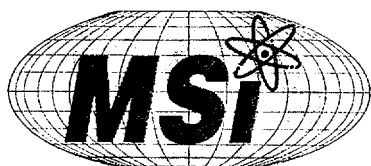
GROSS COUNTS: 185  
BACKGROUND COUNTS: 185  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

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DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-F7  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS: 60113  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

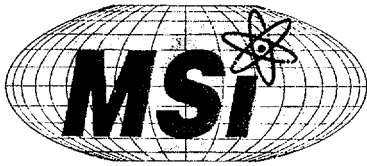
\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 203  
BACKGROUND COUNTS: 203  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)



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CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-J33  
ISOTOPE: CS-137  
ACTIVITY: 20 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 203  
BACKGROUND COUNTS: 203  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

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DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: RA-20S-760  
ISOTOPE: RA-226  
ACTIVITY: 20 UCI.  
REMARKS: SHOP  
MFR/MODEL: GULF NUCLEAR RA-20S  
DATE OF TEST: 21-SEP-2005

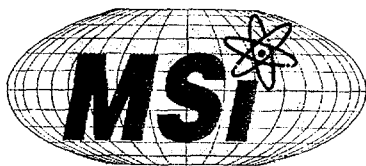
\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 232  
BACKGROUND COUNTS: 232  
COUNTING EFFICIENCY: 57.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)



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CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: RA-20S-02  
ISOTOPE: RA-226  
ACTIVITY: 20 UCI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR RA-20S  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

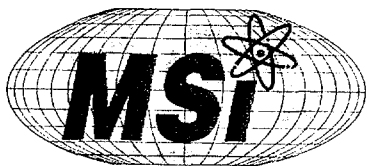
GROSS COUNTS: 231  
BACKGROUND COUNTS: 231  
COUNTING EFFICIENCY: 57.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



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CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-A415  
ISOTOPE: CS-137  
ACTIVITY: 2 CI.  
REMARKS: 60113  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

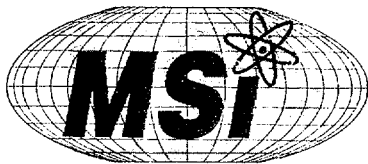
GROSS COUNTS: 209  
BACKGROUND COUNTS: 209  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)





# MICROTEC SERVICES, Inc.

110 Charles Street • Pasadena, TX 77506  
Tel (713) 475-2274 Fax (713) 475-2362

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: RA-20S-575  
ISOTOPE: RA-226  
ACTIVITY: 20 UCI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR RA-20S  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 212  
BACKGROUND COUNTS: 212  
COUNTING EFFICIENCY: 57.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

*(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)*

TEXAS LICENSE NO. L04656



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Tel (713) 475-2274 Fax (713) 475-2362

LEAK TESTING  
CALIBRATIONS  
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\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-D30  
ISOTOPE: CS-137  
ACTIVITY: 2.0 CI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

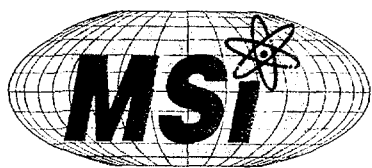
GROSS COUNTS: 211  
BACKGROUND COUNTS: 211  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



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Tel (713) 475-2274 Fax (713) 475-2362

LEAK TESTING  
CALIBRATIONS  
REPAIR  
NEW INSTRUMENTS

\*\*\*\*\* CERTIFICATE OF LEAK TEST \*\*\*\*\*

CUSTOMER: KEY ENERGY SERVICES  
DUNBAR, WV. 25064

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.*

SERIAL NUMBER: CSV-2081  
ISOTOPE: CS-137  
ACTIVITY: 250 MCI.  
REMARKS:  
MFR/MODEL: GULF NUCLEAR CSV  
DATE OF TEST: 21-SEP-2005

\*\*\*\*\* LEAK TEST ANALYSIS DATA \*\*\*\*\*

GROSS COUNTS: 217  
BACKGROUND COUNTS: 217  
COUNTING EFFICIENCY: 53.1%  
CONTAMINATION (DPM): 0.0  
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 4-OCT-2005  
ANALYZED BY: Q. STOKLEY

COMMENTS: \_\_\_\_\_

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656