Robin Terrell Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico 88241

December 6, 2007

RE:

Mike Bratcher NMOCD District 2 Office 1301 W. Grand

Artesia, New Mexico 88210

**Bradley 31 Federal Com 001** 

Bradley 31 Federal Com 001 - Final Pit Closure

API: 30-015-35048 Sec 31-T18S-R30E

1090' FSL & 0770' FWL

Depth to Ground Water: 225'

Planned Analytical Testing: Chlorides

Site Ranking Score: 0 (zero)

Primary Land Use: Ranching and Oil & Gas Production

Pursuant to Pit Rule 50 of the New Mexico Oil Conservation District of the State of New Mexico regulatory requirement for pit closure, please accept the following documentation for final closure of the drilling pit for the aforementioned location.

An Insitu burial trench was excavated and lined with 12mil HDPE liner. All drill cuttings were stiffened and transferred to the lined Insitu trench. Upon transferring all pit contents to the lined burial trench, field tests were performed on the soil within in the confines of the original drill pit. The field results of chloride delineation of the impacted material are as follows (a diagram has also been attached):

9' 230mg/kg Q1

Q2 9' 290mg/kg O3 9' 210mg/kg

9' 220mg/kg Q4

Q5 9' 330mg/kg

After field tests were performed, Mike Bratcher of the New Mexico Oil Conservation Division (NMOCD) was contacted. Approval for closure was granted with no stipulations:

Pursuant to NMOCD Pit Rule 50, a 20mil liner was placed on top of the Insitu trenches to seal in the impacted soils and the stiffened drill cuttings. The pit area was backfilled with clean native material, contoured to the surrounding terrain and reseeded with an approved native seed mixture.

Soil samples were collected, prepared and packaged per EPA guidelines and forwarded to Trace Analysis in Lubbock, Texas for official analytical testing. Please find the official analytical results attached hereto.

Please review the attached documentation and contact me at 505-393-5905 with any questions or concerns.

Robin Terrell

**Production Engineer** 

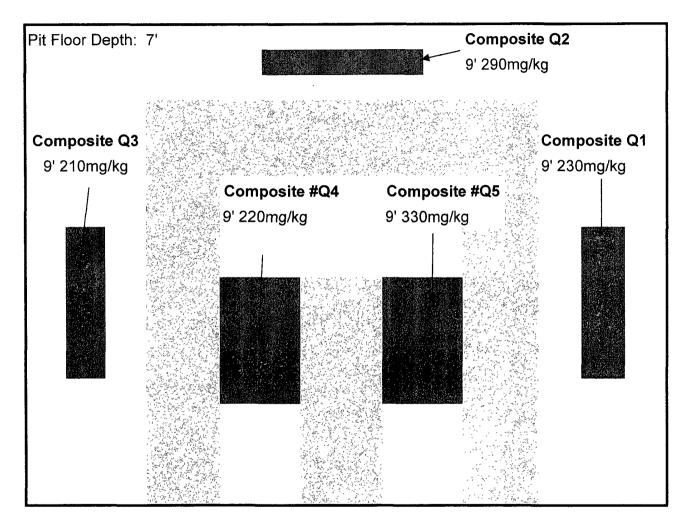
Accepted for record **NMOCD** 

FEB 0 4 2008

/sit

# Lined Burial Trench White the state of the

### Bradley 31 Federal Com 001 Field Results Floor 12/06/07



.1111 3 1 2007

Form C-144

June 1, 2004

District I
1625 N. French Dr., Hubbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

## State of New Mexico Energy Minerals and Natural Resources

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

District III
1000 Rio Brazos Road, Aztec. NM 87410
District IV
1220 S. St. Francis Dr., Sama Fe, NM 87505

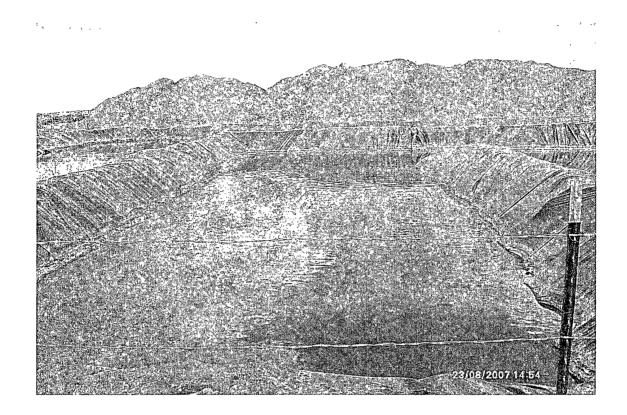
Pit or Below-Grade Tank Registration or Closure

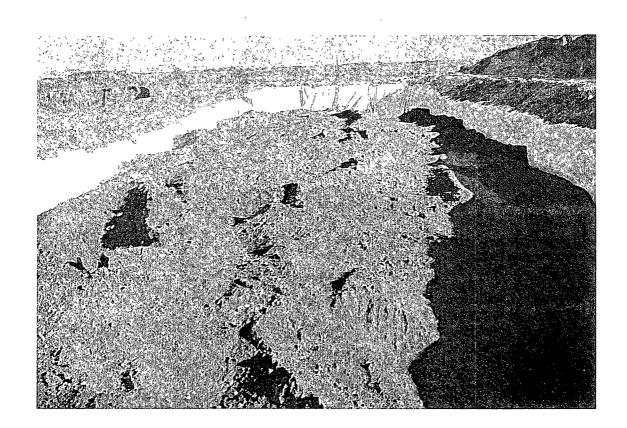
For drilling a appropriate NB For downstres office

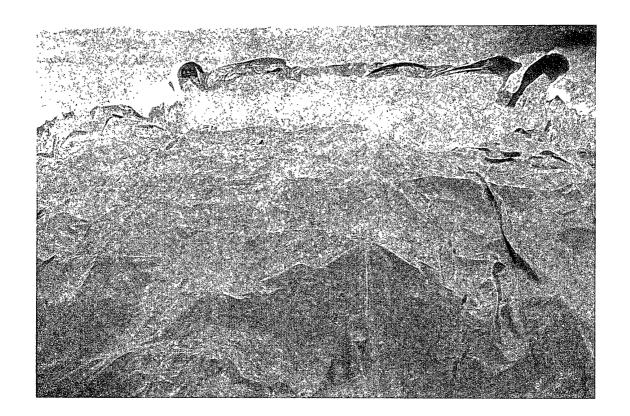
Is pit or below-grade ta Type of action: Registration of a pit	nk covered by a "general plant"? Yes No or below-grade tank Closure of a pit or below-gra	X OCD-ARTESIA
Operator: Mewbourne Oil Co. Telephone: S. Address: 701 S. Cecil Hobbs N.M. S. Facility or well name: 61831ey 316#1 API #: 30-015  County: 633	28240	36 T) 8 S R29 IE
Pit Type: Drilling X Production  Disposal   Workover  Emergency   Lined X Unlined   Liner type: Synthetic X Thickness 12 mil Clay   Pit Volume 5000 bbl	Below-grade tank  Volume:bbl Type of fluid:  Construction material:  Double-walled, with leak detection? Yes If not	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 0 points) /50
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	¥9 146	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 flet 200 feet or more 1900 feet or more REERING Score (Total Points)	(20 points) (10 points) (10 points)
If this is a pit closure: (1) Attach a diagram of the facility showing the pit' your are burying in place) onsite X offsite [] If offsite, name of facility_start date and end date. (4) Groundwater encountered: No X Yes [] If yes	s relationship to other equipment and tanks. (2) Indica . (3) Attach a general description	•
(5) Attach soil sample results and a diagram of sample locations and excavar Additional Comments: Closure work plan for drilling pit. Category 2 local Technology and the soil will be tested by lab and if a will be installed. The treach will be lined with a 20-mil impervious liner a	ation: The drilling pit contents will be excavated from cutamination is confirmed, further remediation will be	conducted according to guidelines. A trench
The excavated pit will be backfilled with clean soil and the pit area as well supporting native plant growth to prevent erosion and ponding of rainwate.  A one call and a 48 hour notice will be provided to the Oil Conservation D	as the trench will be covered and contoured with three	
I hereby certify that the information above is true and complete to the best bas been/will be constructed or closed according to NMOCD guideline  Date: 7-30-07 Printed Name/Title THE CHINE  Your certification and NMOCD approval of this application/closure does a	es [], a general permit X or an (attached) alterdative  S. M. M. M. B. Signature  S. S	OCD approprint pitch [].
otherwise endanger public health of the environment. Nor does it relieve to regulations.  NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be	he operator of its responsibility for compliance with a	ry other federal, state, or local laws and/or
Printed N: obtained from pit area and analyses	Signature  If burial trench is to be constructed  In pit area, samples are to be obtained	Date: AUG 9 3 2007

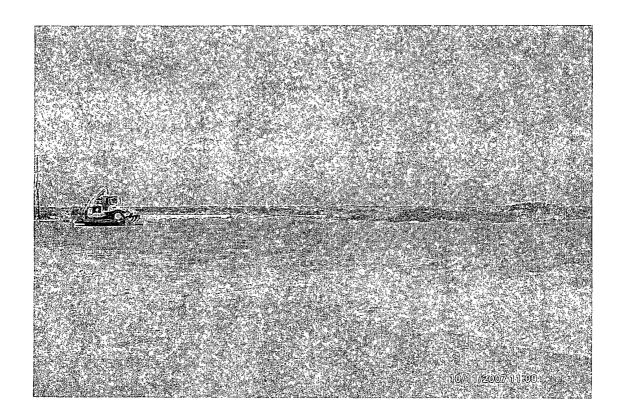
## MEWBOURNE OIL CONPAIN BRADLEY '36' STATE COM #1 1650' FSL & 1650' FEL SEC . 36. T18S. R29E EDDY CO. NM LSE #E-1819-4 API #30-015-32893

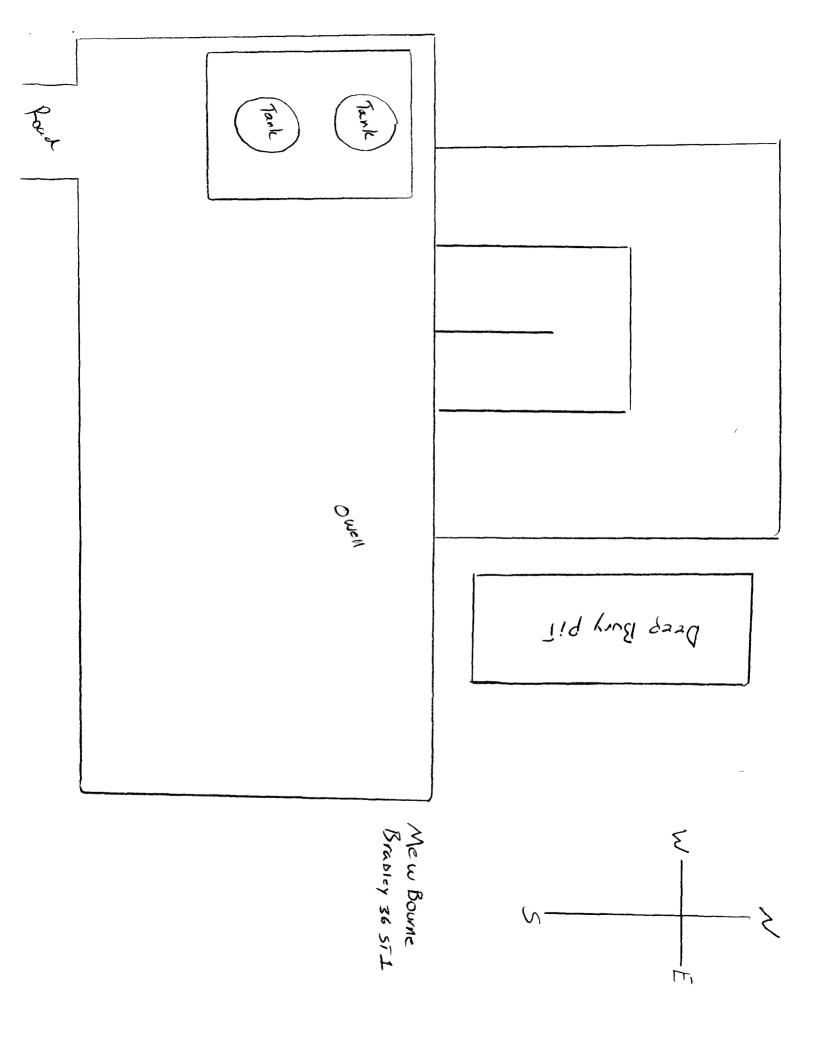
28/03/2007











E-Mail lab@traceanalysis.com

Lubbock, Texas 79424

6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1

El Paso, Texas 79922 Midland, Texas 79703 8808 Camp Bowie Blvd West, Suite 180 Ft Worth, Texas 76116

800 • 378 • 1296 888 • 588 • 3443

806 • 794 • 1296 915 • 585 • 3443 FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

432 • 689 • 6301 817 • 201 • 5260

FAX 432 • 689 • 6313 FAX 817 • 560 • 4336

Mewbourne Oil Company P. O. Box 5270 Hobbs, NM 88220

Robin Terrell

Invoice No. 27343

Lab Location: Midland 2008-01-15 Invoice Date: Payment Due: 2008-02-14

Work Order:

Bill To:

Attn:

8010901

Project Location: Project Name:

Sec 31-T185-R30E/Eddy County,NM

Bradley 31 Fed 001

API 30-015 Project Number:

Item	Quantity	Matrix	Description	Price	Sub Total
Chloride (72-Hr. TAT)	5	soil	147212 - 147216	\$25.50	\$127.50

Payment Terms: Net-30

Total \$127 50

Dr. Blair Leftwich, Director

RECEIVED

JAN 2 1 2008

BY:

Invoice No. 27343 Page 1 of 1

Page Number: 1 of 2 Sec 31-T185-R30E/Eddy County,NM

### **Summary Report**

Robin Terrell Mewbourne Oil Company P. O. Box 5270 Hobbs, NM, 88220

Report Date: January 11, 2008

Work Order: 8010901

Project Location: Sec 31-T185-R30E/Eddy County,NM

Project Name: Bradley 31 Fed 001

Project Number. API 30-015

			Date	$_{ m Time}$	Date
Sample	Description	Matrix	Taken	Taken	Received
147212	Q1-9' comp	soil	2007-12-06	09:00	2008-01-08
147213	Q2-9' comp	soil	2007-12-06	09:15	2008-01-08
147214	Q3-9' comp	soil	2007-12-06	09:30	2008-01-08
147215	Q4-9' comp	soil	2007-12-06	09:45	2008-01-08
147216	Q5-9' comp	soil	2007-12-06	10:00	2008-01-08

Sample: 147212 - Q1-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147213 - Q2-9' comp

Param	Flag	Result	Units	RL
Chloride		188	mg/Kg	2.00

Sample: 147214 - Q3-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147215 - Q4-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147216 - Q5-9' comp

Report Date: January 11, 2008 API 30-015 Work Order: 8010901

Bradley 31 Fed 001

Page Number: 2 of 2 Sec 31-T185-R30E/Eddy County,NM

Param	Flag	Result	Units	RL
Chloride		108	mg/Kg	2 00

6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1 8808 Camp Bowie Blvd West, Suite 180 Ft Worth, Texas 76116

Lubbock, Texas 79424 El Paso, Texas 79922 Midland, Texas 79703

800 • 378 • 1296 888 • 588 • 3443

806 • 794 • 1296 915 • 585 • 3443 432 • 689 • 6301

FAX 915 • 585 • 4944

FAX 432 • 689 • 6313 817 • 201 • 5260 FAX 817 • 560 • 4336

E-Mail lab@traceanalysis.com

### Analytical and Quality Control Report

Robin Terrell Mewbourne Oil Company P. O. Box 5270 Hobbs, NM, 88220

Report Date. January 11, 2008

Work Order: 8010901 

Project Location: Sec 31-T185-R30E/Eddy County,NM

Project Name:

Bradley 31 Fed 001

Project Number: API 30-015

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

•			Date	rime	Date
Sample	Description	Matrix	Taken	Taken	Received
147212	Q1-9' comp	soil	2007-12-06	09:00	2008-01-08
147213	Q2-9' comp	soil	2007-12-06	09:15	2008-01-08
147214	Q3-9' comp	soil	2007-12-06	09.30	2008-01-08
147215	Q4-9, comp	soil	2007-12-06	09:45	2008-01-08
147216	Q5-9' comp	soil	2007-12-06	10:00	2008-01-08

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc

Dr. Blair Leftwich, Director

### Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

### Case Narrative

Samples for project Bradley 31 Fed 001 were received by TraceAnalysis, Inc. on 2008-01-08 and assigned to work order 8010901. Samples for work order 8010901 were received intact at a temperature of  $4.0 \, \mathrm{deg} \, \mathrm{C}$ 

Samples were analyzed for the following tests using their respective methods

Test		Met	hod
Chloride	(Titration)	SM	4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8010901 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project

### Analytical Report

Sample: 3	147212 -	Q1-9°	comp
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Analysis Chloride (Titration) QC Batch 44556

Prep Batch: 38372

Analytical Method Date Analyzed:

SM 4500-Cl B 2008-01-10

Prep Method: N/A Analyzed By AR

Sample Preparation

Prepared By: AR

RL

Flag RLParameter Result Units Dilution Chloride <100 mg/Kg 2 00

### Sample: 147213 - Q2-9' comp

Analysis: Chloride (Titration) QC Batch: 44556Prep Batch: 38372

Analytical Method. Date Analyzed:

SM 4500-Cl B 2008-01-10

Prep Method: N/AAR

Sample Preparation:

Analyzed By: Prepared By: AR

RL

Parameter Result Units Dilution RLFlag Chloride 188 mg/Kg 2.00

### Sample: 147214 - Q3-9' comp

Analysis. Chloride (Titration) QC Batch: 44556Prep Batch: 38372

Analytical Method: SM 4500-Cl B Date Analyzed

2008-01-10

Prep Method: N/A Analyzed By: AR

Sample Preparation:

Prepared By: AR

RL

Flag Parameter RLResult Units Dilution <100 Chloride mg/Kg 50 2.00

### Sample: 147215 - Q4-9' comp

Chloride (Titration) Analysis: QC Batch: 44556Prep Batch: 38372

Chloride

Analytical Method Date Analyzed:

SM 4500-Cl B 2008-01-10

Prep Method: N/A Analyzed By: AR

Sample Preparation:

Prepared By: AR

RL

2.00

Parameter Flag

RLResult <100

Units Dilution mg/Kg

### Sample: 147216 - Q5-9' comp

Analysis: Chloride (Titration) QC Batch: 44556 Prep Batch: 38372

Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2008-01-10

Prep Method. N/A Analyzed By: ARPrepared By: AR

Report Date: January 11, 2008 API 30-015

Standard (ICV-1)
QC Batch. 44556

Work Order 8010901 Bradley 31 Fed 001  $\begin{array}{c} {\rm Page\ Number:\ 4\ of\ 5} \\ {\rm Sec\ 31\text{-}T185\text{-}R30E/Eddy\ County\ NM} \end{array}$ 

Analyzed By AR

Parameter	Flag	RL Result	Umt	os	-	Dilution		RL
Chloride	1105	108	mg/K			50		2.00
Omorido				0				
Method Blank (1	) QC Batch: 44556							
QC Batch: 44556		Date Analyzed	2008-01-10			An	alyzed E	By: AR
Prep Batch 38372	2	QC Preparation	2008-01-10				epared B	
		И	4DL					
Parameter	Flag	Re	esult		Uni			RL
Chloride		<0	.500		mg/l	Kg		2
Adoratory Control  QC Batch: 44556  Prep Batch: 38372	;	Date Analyzed: QC Preparation	2008-01-10 2008-01-10				alyzed E epared E	
	$\mathbf{L}_{0}$	CS		Spike	Ma	ıtrix		Rec.
Param	Re	sult Units	Dil.	Amount	Re	sult R	.ec	Limit
Chloride	98	mg/Kg	1	100	<0	.500	98	85 - 115
Percent recovery is	based on the spike result	. RPD is based on	the spike and	d spike dup	olicate r	esult		
	LCSD		$_{ m Spike}$	Matrix		Rec		RPD
Param	Result	Units Dil.	Amount	Result	Rec	Limit	RPD	Limit
Chloride	99 2	mg/Kg 1	100	< 0.500	99	85 - 115	1	20
Percent recovery is  Matrix Spike (MS)  QC Batch: 44556	, ,		the spike and 2008-01-10		olicate r		alyzed E	sv: AR
Prep Batch 38372		QC Preparation:					epared B	
	M			Spike		trix		Rec.
Param		sult Units	Dil.	Amount			ec ec	Limit
Chloride	47	- 9, 8	50	5000			95	85 - 115
Percent recovery is l	based on the spike result.	RPD is based on	the spike and	l spike dup	olicate r	esult		
Param	MSD Result	Units Dil.	$\begin{array}{c} {\rm Spike} \\ {\rm Amount} \end{array}$	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	4800	$\frac{\text{mg/Kg}}{\text{mg/Kg}}$ 50	5000	<25.0	96	85 - 115	1	20
	pased on the spike result.							

Date Analyzed: 2008-01-10

Report Date January 11, 2008 API 30-015 Work Order: 8010901 Bradley 31 Fed 001 Page Number: 5 of 5 Sec 31-T185-R30E/Eddy County,NM

			ICVs True	1CVs Found	ICVs Percent	Percent Recovery	Date
Param	Flag	Umts	Conc	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2008-01-10

Standard (CCV-1)

QC Batch: 44556

Date Analyzed: 2008-01-10

Analyzed By: AR

			CCVs	CCVs	· CCVs	Percent	
			$\operatorname{True}$	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride	, , , , , , , , , , , , , , , , , , , ,	mg/Kg	100	100	100	85 - 115	2008-01-10

(C) PIOH 8808 Camp Bowle Blvd West, Suite 180 Ft Worth Texas 76146 Tel (817) 201-5260 Fax (817) 560-4336 Turn Around Time if different from standard - Meddand ŏ or Specify Method No.) Dry Weight Basis Regumed Check If Special Reporting Limits Are Needed orgoniony, TRRP Report Required Moisture Content ANALYSIS REQUEST BOD, TSS, pH REMARKS: Pesticides 8081A / 608 PCB's 8082 / 608 200 East Sunset Rd., Suite E El Paso, Texas 79922 Tel (915) 585-3443 Fax (915) 585-8944 1 (888) 588-3443 GC/MS Semi. Vol. 8270C / 625 CC/WZ A91 8560B / 624 BCI TCLP Pesticides 7 TCLP Semi Volatiles Circle (g) | X TCLP Volatiles AB USE XINO O TCLP Metals Ag As Ba Cd Cr Pb Se Hg Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/2007 0901 5002 Basin Street, Suite A1 Midland, Toxas 79703 Tel (432) 689-6301 Fax (432) 689-6313 TPH 8015 GRO / DRO / TVHC TPH 418.1 / TX1005 / TX1005 Ext(C35) BTEX 80218 / 602 / 82608 / 624 9.0 ໂempຶດ: 0 38TM Temp 80218 / 602 / 82608 / 624 3160 10018 12460 10945 0900 12607 1930 13607 1000 Clear Meditan TeACE of Ox 102 1730 TIME SAMPLING Time: 126.01 Time; 01 Aberdeen Avenue, Stute 9 Lubbock, Taxas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 **BTA0** Ctexas 1 @ Valorinot Project Name:

Sampler Signature:

\*\* 1 L. A. P. L. C. AB Order ID Date: Date: NONE >  $\searrow$ `>~ ICE Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. HOPN Company: Company \*OS<sup>2</sup>H 6701  $HNO_3$ HCI Fax #: ķ Received by SCUDGE Received by Received FraceAnalysis, Inc. AIA ¥ TIOS SOM ) **RBTAW** DHE33 email: lab@traceanalysis.com 1730 Time: Volume / Amount Time: Time: # CONTAINERS Sic 31-7185-Rave Eddy Carner 80/80/ KINS ON COMPOSING (Street, City, Zin) Holds, 1744 Date: Date: COMO Comp Comp **Gund** COMILD FIELD CODE 0 Company: Company: Project Location (including state): Lecrel Project # 30.01S ō ġ Ġ (If different from above) IRAN TOLLI'R 3 A Z Relinquished by: 0 Relinquished by: Reflinduished by Address. Configct Person: 100x Company Name 3 4 7.0 カスト Invoice to: (LAB USE) LAB#

OPIGINAL COPY

Carrier #

ploH 8808 Camp Bowne Blvd West, Suite 1880 Ft. Worth. Texas 76116 Tel (817) 201-5260 Fax (817) 560-4336 Turn Around Time if different from standard - Malland ď or Specify Method No.) Dry Weight Basis Required Check If Special Reporting Limits Are Needed Moisture Content × TRRP Report Required **ANALYSIS REQUEST** BOD, TSS. pH REMARKS: Pesticides 8081A / 608 ш 200 East Sunset Rd , Suite E El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (889) 588-3443 **bCB**,2 8082 / 608 GC/MS Semi Vol 8270C / 625 CC/W2 A91 8560B / 624 ВCI TCLP Pesticides Intac(V) NI Headspace V / N / (A) \$ (Circle ( TCLP Semi Volatiles Log-in-Review B TCLP Volatiles LAB USE 0 TCLP Metals Ag As Ba Cd Cr Pb Se Hg ONLY ₹ 2 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200 7 801090 PAH 8270C / 625 5002 Basın Street, Suite A1 **Midland, Texas 79703** Tel (432) 689-6301 Fax (432) 689-6313 TPH 8015 GRO / DRO / TVHC Carrier # TPH 418.1 / TX1005 / TX1005 Ext(C35) 8021B / 602 / 8260B / 624 X3T8 01/08/08 1730 4.0 **Temp**ຶ( 8021B / 602 / 8260B / 624 **BATM** Temp<sup>®</sup> Temp<sub>°</sub> 091K 6430 3460 1046 050 <u>28</u> SAMPLING **TIME** 13607 12607 Time: 126.07 Time: Time: 6701 Aberdeen Avenue, Suite 9 **Lubbock, Texas 79424**Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296 **DATE** LAB Order ID # rterres 1 estabornet PRESERVATIVE Date: Date: Date: NONE  $\succ$  $\succ$ Ed TEACE METHOD ICE Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O Project Name: HOBN Company: Company: Company OS2H MCMULTAN HCI E-mail: Fax #: Received by: STUDGE Received by MATRIX Received by FraceAnalysis, Inc. ЯΙΑ  $\times$ TIOS (MOC) **A**3TAW email: lab@traceanalysis.com C)TC38 1730 JnuomA / əmuloV Time: Time: Time: # CONTAINERS 80/80/ W Oil Company Date: COMO Comp Comp 03-9' comp FIELD CODE 0 Company: Company (including state) الماكعا 03 - 9" 10- ha (If different from above) RUDDLKAR -Relinquished by: Relinquished by: Spr Project Location Refinduished by Address: Confact Person: Project #: 147212 (LAB USE) HIE? SE SE Invoice to: 16 J 233 LAB#

3