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

November 1, 2007

Mike Bratcher
NMOCD District 2 Office
1301 W. Grand
Artesia, New Mexico 88210

RE: Cass Draw 30 #1 - Final Pit Closure

Cass Draw 30 #1	Depth to Ground Water: 25'+/-
API: 30-015-34588	Planned Analytical Testing: Chlorides
Sec 30-T22S-R28E	Site Ranking Score:
650' FSL & 1650' FWL	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.

Due to the water depth, all drilling cuttings were stiffened and transported to Lea Land, Inc located on Highway 62/180 in Lea County, an approved disposal facility. All additional impacted material including berms were also excavated and transported to Lea Land, Inc. Upon excavating and transporting all pit contents to Lea Land, Inc, 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):

Q1	10' 410mg/kg 13' 260mg/kg	Q2	10' 380mg/kg 12' 330mg/kg	Q3	10' 200mg/kg
Q4	10' 370mg/kg 12' 210mg/kg	Q5	10' 360mg/kg 12' 280mg/kg		

After field tests were performed, Mike Bratcher of the New Mexico Oil Conservation Division (NMOCD) was contacted. Approval for closure was granted with the following stipulation:

> Due to the possibility of shallow water, a 20mil liner will be laid across the entire drill pit floor to prevent any possible migration of chloride impacted soils.

Pursuant to NMOCD Pit Rule 50, a 20mil liner was laid across the entire drill pit floor, backfilled with clean native material and contoured to the surrounding terrain.

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.

Sincerely,

Robin Terrell
Production Engineer

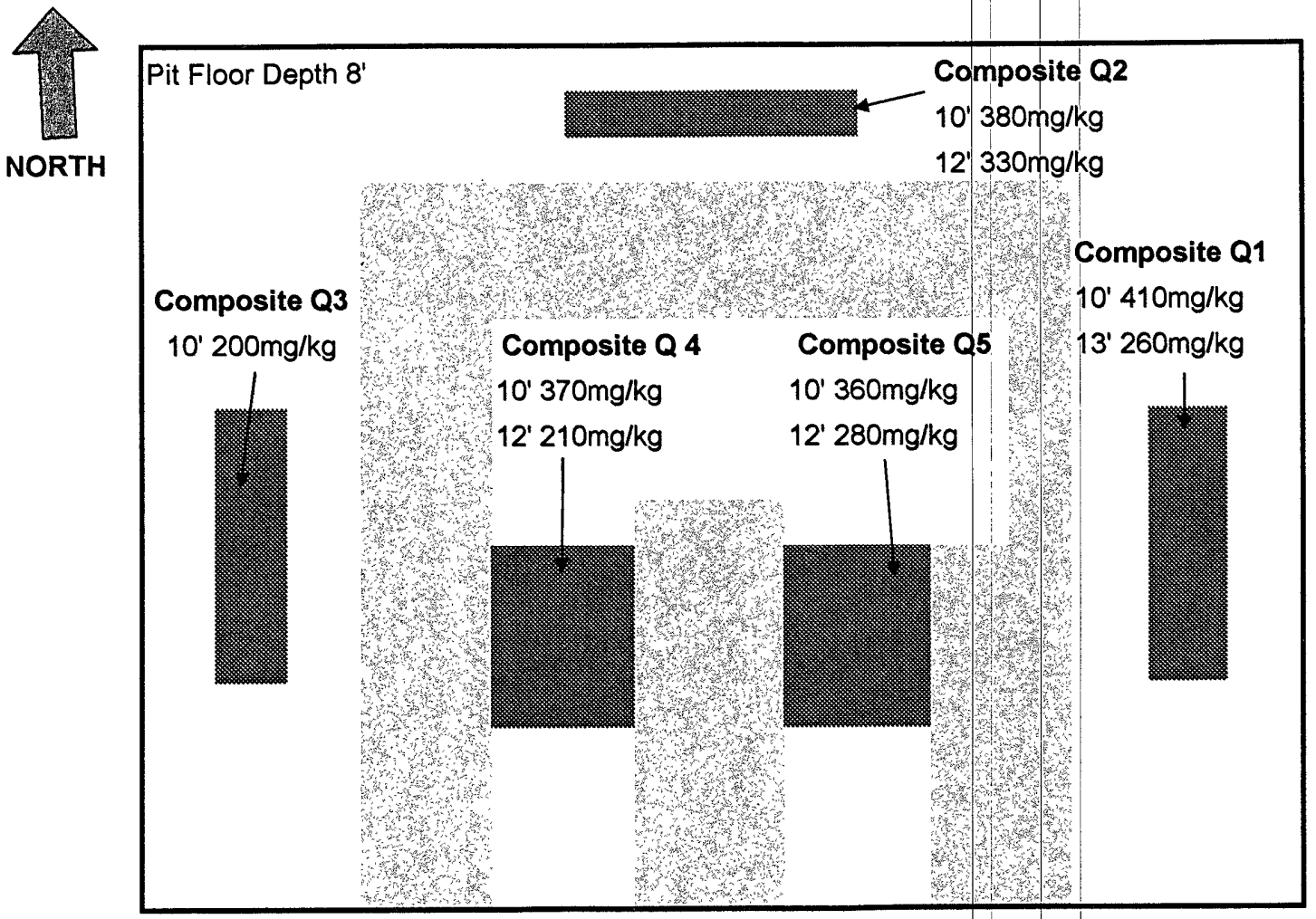
/sjt

OCD Copy

Accepted for record
NMOCD

JAN 10 2008

Cass Draw 30 #1
Field Results
Floor 11-01-07



Valley Energy Services, Inc.

PO Box 207
Loving, NM 88256

Invoice

Date	Invoice #
11/1/2007	651

Bill To
Mewbourne Oil Company Robin Terrell PO Box 5270 Hobbs, NM 88241

Terms	Rep
Due on receipt	SJT

Location
Cass Draw 30 #1

Quantity	Item Code	Description	Price Each	Amount
4	Enviro Sampling	pulled infield analysis for delineation - contacted Mike Bratcher - approval to close with stipulations	70.00	280.00T
20	Mileage Charge		0.50	10.00T
0.75	Enviro Reports		80.00	60.00T
0.5	Enviro misc	prepared, packaged and sent samples to Trace Analysis for official analyticals	70.00	35.00T
		New Mexico Sales Tax	6.3125%	24.30

Total $409.30

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resou

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☑

Operator: MEWBOURNE Oil CO Telephone: (505) 390-4816 mail address: _____
Address: 701 CECIL HOBBS NEW MEXICO 88240
Facility or well name: CASE DRAW 30#1 API #: 30-015-34588 U/L or Qtr/Qtr _____ Sec 30 T 22S R 28E
County: EDDY COUNTY NM Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☑ Indian ☐

Pit	Below-grade tank	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume: ____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why 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) X (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) X
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) X
	Ranking Score (Total Points)	20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: CONTENTS OF PIT WILL BE HAULED FROM LOCATION TO LEA LAND. PIT WILL BE TESTED FOR CHLORIDES & CLOSED AT 250 PPM CHLORIDES

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 10/22/07
Printed Name/Title ER Taylor Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature _____ Date: _____

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8808 Camp Bowie Blvd West, Suite 180 Ft. Worth, Texas 76116 817•201•5260 FAX 817•560•4336
E-Mail lab@traceanalysis.com

Bill To: **Mewbourne Oil Company**
P. O. Box 5270
Hobbs, NM 88220

Attn: Robin Terrell

Invoice No. 26325

Lab Location: Lubbock
Invoice Date: 2007-11-15
Payment Due: 2007-12-15

Work Order: 7110841
Project Location: Sec 30-T22S-R28E
Project Name: Cass Draw 30 #1
Project Number: API 30-015-34588

Item	Quantity	Matrix	Description	Price	Sub Total
Chloride/50% RUSH	5	soil	142314 - 142318	$25.50	$127.50

Payment Terms: Net-30

Total $127.50

Dr. Blair Leftwich, Director

Summary Report

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

Report Date: November 14, 2007

Work Order: 7110841

Project Location: Sec 30-T22S-R28E
Project Name: Cass Draw 30 #1
Project Number: API 30-015-34588

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142314	Q1 13'	soil	2007-11-01	09:45	2007-11-08
142315	Q2 12'	soil	2007-11-01	10:15	2007-11-08
142316	Q3 10'	soil	2007-11-01	10:45	2007-11-08
142317	Q4 12'	soil	2007-11-01	11:30	2007-11-08
142318	Q5 12'	soil	2007-11-01	12:00	2007-11-08

Sample: 142314 - Q1 13'

Param	Flag	Result	Units	RL
Chloride		**349**	mg/Kg	5.00

Sample: 142315 - Q2 12'

Param	Flag	Result	Units	RL
Chloride		**512**	mg/Kg	5.00

Sample: 142316 - Q3 10'

Param	Flag	Result	Units	RL
Chloride		**265**	mg/Kg	5.00

Sample: 142317 - Q4 12'

Param	Flag	Result	Units	RL
Chloride		**246**	mg/Kg	5.00

Sample: 142318 - Q5 12'

Param	Flag	Result	Units	RL
Chloride		**333**	mg/Kg	5.00

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8808 Camp Bowie Blvd West, Suite 180 Ft Worth, Texas 76116 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: November 14, 2007

Work Order: 7110841

Project Location: Sec 30-T22S-R28E
Project Name: Cass Draw 30 #1
Project Number: API 30-015-34588

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142314	Q1 13'	soil	2007-11-01	09:45	2007-11-08
142315	Q2 12'	soil	2007-11-01	10:15	2007-11-08
142316	Q3 10'	soil	2007-11-01	10:45	2007-11-08
142317	Q4 12'	soil	2007-11-01	11:30	2007-11-08
142318	Q5 12'	soil	2007-11-01	12:00	2007-11-08

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.

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 Cass Draw 30 #1 were received by TraceAnalysis. Inc. on 2007-11-08 and assigned to work order 7110841. Samples for work order 7110841 were received intact at a temperature of 22 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
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 7110841 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: 142314 - Q1 13'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43045	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37144	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**349**	mg/Kg	10	5.00

Sample: 142315 - Q2 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43045	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37144	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**512**	mg/Kg	10	5.00

Sample: 142316 - Q3 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43045	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37144	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**265**	mg/Kg	10	5.00

Sample: 142317 - Q4 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43045	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37144	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**246**	mg/Kg	10	5.00

Sample: 142318 - Q5 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43045	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37144	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**333**	mg/Kg	10	5.00

Method Blank (1) QC Batch: 43045

QC Batch: 43045 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37144 QC Preparation: 2007-11-09 Prepared By: MM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 43045 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37144 QC Preparation: 2007-11-09 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	102	mg/Kg	1	100	<3.25	102	96.1 - 103

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<3.25	102	96.1 - 103	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Matrix Spike (MS-1) Spiked Sample: 142318

QC Batch: 43045 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37144 QC Preparation: 2007-11-09 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	856	mg/Kg	10	500	332.854	105	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	862	mg/Kg	10	500	332.854	106	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 43045 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.6	100	85 - 115	2007-11-10

Standard (CCV-1)

QC Batch: 43045 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-11-10

LAB Order ID # 711041

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Mewbourne Oil Company
Phone #:
Address: (Street, City, Zip) PO Box 5270 Hobbs, NM 88240
Fax #:
Contact Person: Robin Terrell
E-mail: Robin + Shelly
Invoice to: (If different from above)
Project #: API -30-015-34588
Project Name: Cass Draw 30 #1
Project Location (including state): Sec. 30-T22S-R28E
Sampler Signature: Shelly Tucker

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
142314	Q1 - 13'	1			X							X		11-1-07	0945
315	Q2 - 12'	1			X							X		11-1-07	1015
316	Q3 - 10'	1			X							X		11-1-07	1045
317	Q4 - 12'	1			X							X		11-1-07	1130
318	Q5 - 12'	1			X							X		11-1-07	1200

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B / 624	GC/MS Semi. Vol 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides					Turn Around Time if different from standard	Hold
																X	X					RUSH	
																X							
																X							
																X							
																X							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Shelly Tucker	YES	11-5-07	1730		UPS	11-5-07	1730	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
						11-8-07	1110	22

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS: 11/14 EP

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # CLI 304135654 70

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C O. C.

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