Martha AIK Federal #14

	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN		Analytical							
	Sample Area	Sample Date	Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Mar 14-1 Surface	Release Area	3/3/2015	H500623	Grab/Backhoe	Surface	Q.	Q	Q	ND	32,000
Mar 14-1-1'	Release Area	3/3/2015	H500623	Grab/Backhoe	+	9	g	S	QN	3,560
Mar 14-1-3'	Release Area	3/3/2015	H500619	Grab/Backhoe	3,				-	128
Mar 14-1-5'	Release Area	3/3/2015	H500619	Grab/Backhoe	5,	-		-	-	208
CONTRACTOR		STREET, STREET	The state of the s	SECURE SECURE SECURE SECURE SECURE SECURE SECURIOR SECURI	SOUTHWEST TO SELECT THE PROPERTY OF THE PERSON OF THE PERS	CHESCOS DESCRIPTION OF THE PARTY.	STANDARD CONTRACT IS	SOUTH VEHICLES OF		STATE OF THE PROPERTY AND THE PROPERTY.
Mar 14-2-Surface	Release Area	3/3/2015	H500623	Grab/Backhoe	Surface	9	N	QN N	ND	13,200
Mar 14-2-1'	Release Area	3/3/2015	H500623	Grab/Backhoe	1,	ND	QN	ND	ND	32
Mar 14-2-3'	Release Area	3/3/2015	H500619	Grab/Backhoe	3,				-	80
Mar 14-2-5'	Release Area	3/3/2015	H500619	Grab/Backhoe	5'		-	1	_	48

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 150', Section 11-22S-31E, per Trend Map).

All results are ppm.Chlorides for documentation.

Released: 40 B/PW, 30 B/O; Recovered: 40 B/PW, 20 B/O. Release Date: 9/13/2014. 2RP-2506



March 10, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

03/10/2015

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #14

Sampling Condition:

Cool & Intact

Project Number:

2RP-2506

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: MAR 14-1-SURFACE (H500623-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.06	103	2.00	5.50	
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	114 9	% 61-154	i.						
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2015	ND	209	104	200	4.63	
DRO >C10-C28	<10.0	10.0	03/09/2015	ND	220	110	200	4.65	
Surrogate: 1-Chlorooctane	97.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	103	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

alex Ditiene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

Soil

03/10/2015

Sampling Type:

Project Name:

MARTHA AIK FEDERAL #14

Sampling Condition:

Cool & Intact

Project Number:

2RP-2506

Sample Received By:

Project Location:

EDDY COUNTY, NM

Jodi Henson

Sample ID: MAR 14-1-1 (H500623-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.06	103	2.00	5.50	
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1169	% 61-154	(2		* Blackwin Westpagenia			
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2015	ND	209	104	200	4.63	
DRO >C10-C28	<10.0	10.0	03/09/2015	ND	220	110	200	4.65	
Surrogate: 1-Chlorooctane	91.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	96.3	% 52.1-17	6						

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Color thema-



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

Sampling Type:

Soil

03/10/2015

Project Name:

MARTHA AIK FEDERAL #14

Sampling Condition:

Cool & Intact Jodi Henson

Project Number:

2RP-2506

Sample Received By:

Project Location:

EDDY COUNTY, NM

Sample ID: MAR 14-2-SURFACE (H500623-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.06	103	2.00	5.50	
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	115 9	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2015	ND	209	104	200	4.63	
DRO >C10-C28	<10.0	10.0	03/09/2015	ND	220	110	200	4.65	
Surrogate: 1-Chlorooctane	83.3	% 47.2-15;	7						
Surrogate: 1-Chlorooctadecane	85.1	% 52.1-170	6						

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*=Accredited Analyte

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Celeg D. Frene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

03/10/2015

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #14

Sampling Condition:

Cool & Intact

Project Number:

2RP-2506

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: MAR 14-2-1 (H500623-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms				11.0000 (0001110)	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.06	103	2.00	5.50	
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	115 9	% 61-154	1				- 10 (
TPH 8015M	mg/	kg	Analyze	d By: MS	- m- Variable Mark				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2015	ND	209	104	200	4.63	
DRO >C10-C28	<10.0	10.0	03/09/2015	ND	220	110	200	4.65	
Surrogate: 1-Chlorooctane	93.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	98.5	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celay to Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene

Relinquished by:	Relinquished by:	Special					-	6	4	_	LAB # (lab use only)	(lab use only) ORDER #:							So.
hed by:	hed by: Cannon hed by:	Special Instructions:	į.				Mar 14-2-1	Mar 14-2-Surface	OCCUPATION AND PERSONS	Mar 14-1-Surface	FIEL		Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:	ARDINAL LA
Uate	3	TPH: 8015B, BTEX: 8021B. <u>separate report.</u> Thank yo									FIELD CODE	H500623	(Junder (c	575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
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ime	Time	t: 8021B. Thank you									Ending Depth	1	anner						
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OI:	i Ale	Please show BTEX results as mg/kg.					9:59 AM	9:56 AM	9:42 AM	9:40 AM	Time Sampled		e-mail:	Fax No:					(505) 393-2326 FAX (505) 393-2476
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Temperature Upon Receipt: 4,4°	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS D	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?									Volatiles		Analyze	d.				Martha AIK Federal #14	25
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March 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

Sampling Type:

Soil

Project Name:

03/10/2015

Sampling Condition:

Cool & Intact

MARTHA AIK FEDERAL #14 2RP-2506

32.0

16.0

Project Number: Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: MAR 14-1-SURFACE (H500623-01)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	03/09/2015	ND	400	100	400	3.92	
Sample ID: MAR 14-1-1 (H50	0623-02)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	03/09/2015	ND	400	100	400	3.92	
Sample ID: MAR 14-2-SURFA	CE (H5006	523-03)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	03/09/2015	ND	400	100	400	3.92	
Sample ID: MAR 14-2-1 (H50	0623-041								
Chloride, SM4500CI-B	mg,	/ka	Analyze	d By: AP					
	79.								

03/09/2015

Cardinal Laboratories

Chloride

*=Accredited Analyte

3.92

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ND

400

100

400

Celeg to treme -



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey Theene

Relinquished by:	Relinquished by:	Relinquished by				T				_	N	4	_	LAB # (lab use only)	ORDER #:	(lab use only)							60	7
shed by:	Hoer Cannor	Special instructions:		1						Mar 14-2-1	and the later of	and the later of	Mar 14-1-Surface	FIEL	R# 10000000		Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:	ARDINAL LAB	/
Date	3	separate report.										æ		FIELD CODE	C 70/	222	(Limber ('a	575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	
Т	Т	34								<u>-</u> -	- <u>-</u> -	1.		Beginning Depth				799			3			
Time	Time	Thank you								- <u>-</u> -	7:	1'		Ending Depth			ronn							
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March 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

03/06/2015

Sampling Date:

03/03/2015

Reported:

03/10/2015

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #14

Sampling Condition:

** (See Notes)

Project Number:

2RP-2506

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: MAR 14-1-3 (H500619-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

Analyzed 03/09/2015 Method Blank ND

BS 400 % Recovery

True Value QC

RPD

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

16.0

Analyzed By: AP

100

400

True Value QC

400

3.92

Chloride

Chloride

Result 208

128

Reporting Limit 16.0

Analyzed 03/09/2015 Method Blank ND

BS 400 % Recovery 100

RPD

Qualifier

Qualifier

Sample ID: MAR 14-2-3 (H500619-03)

Sample ID: MAR 14-1-5 (H500619-02)

Chloride, SM4500CI-B

Analyzed By: AP

Analyzed

Method Blank

BS

% Recovery

100

True Value QC

RPD

3.92

Qualifier

Chloride

Result 80.0

48.0

Reporting Limit 16.0

03/09/2015

ND

400

100

400

400

3.92

Sample ID: MAR 14-2-5 (H500619-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Chloride

Result

Reporting Limit 16.0

Analyzed 03/09/2015

Method Blank ND

BS 400

% Recovery True Value QC **RPD**

3.92

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remo any other cause whatsoever shall be deemed waived unless made in writing and received by Cerdinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or conseq including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Colon to treme

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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	SlullS Date													ÖDm				limbu (anno	575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon	RATORIES Hobbs, NM 88240
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