MARTIN YATES, III 1912-1985 FRANK W YATES

1936-1986 S P YATES 1914-2008



105 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210-2118 TELEPHONE (575) 748-1471

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June 16, 2011

Mr Mike Bratcher NMOCD District II 1301 West Grand Artesia, NM 88210

Re Dagger Draw Water System 2RP-576 30-015-28898 Section 11, T19S-R25E Eddy County, New Mexico

Dear Mr. Bratcher.

Enclosed please find a Form C-141. Final Report for the above captioned site regarding the release on January 5, 2011 (800 bbls of oil/produced water mix with 300 bbls of oil/produced water mix being recovered) The release was from a break in a polyline reducer Vertical and horizontal samples were taken on 1/25/2011 and sent to an NMOCD approved laboratory for analysis The release area was excavated six (6) inches below the surface, impacted soils were taken to an NMOCD approved facility Vertical and horizontal samples were taken on 5/4/2011 and sent to an NMOCD approved laboratory for analysis Analytical results show TPH & BTEX (chlorides for documentation) below RRAL's for the site ranking of (10) ten, (enclosed sample diagram and results) Per the recommendations of the NMOCD the release/excavation area was ripped, disked and aerated Based on impacted soils being excavated, analytical results and remediation work, Yates Petroleum Corporation requests closure Upon NMOCD approval the area will be reseeded to reestablish vegetation

If you have any questions, please call me at 575-748-4217

Thank you

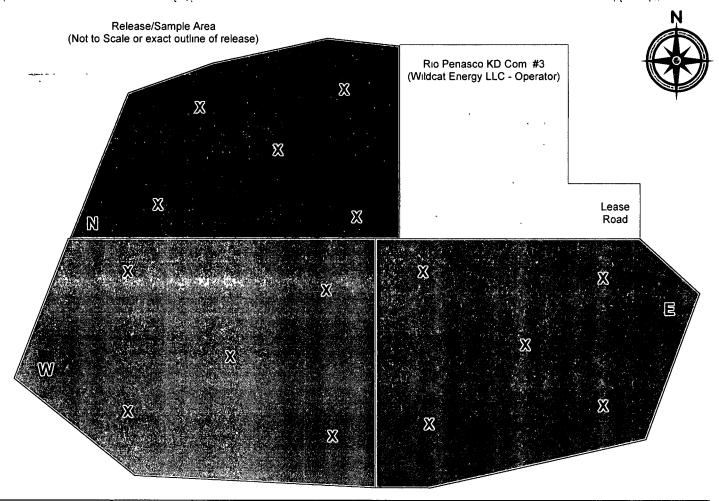
YATES PETROLEUM CORPORATION

Robert Asher

Senior Environmental Regulatory Agent

Enclosure(s)

RECEIVED
JUN 16 2011
NMOCD ARTESIA



Analytical Report-			* 1, 2					ć	
415676 & 415700	Sample Area.	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
				6" (12"					
Comp-00.5 N	Release Area	5/4/2011	Comp/Auger	BSL)	0 00156	ND	52 1	52 1	247
				12" (18"					
N 0.10=91109	Release Area	5/4/2011	Comp/Auger	BSL)	0 156	ND	76.9	76 9	317
				6" (12"					
©00009=00045 W	Release Area	5/4/2011	Comp/Auger	BSL)	ND	ДИ	ND	ND	429
				12" (18"					Ì
©00003=001*0 AA	Release Area	5/4/2011	Comp/Auger	BSL)	ND	18 9	ND	ND	391
				6" (12"					
©1179:00.5E	Release Area	5/4/2011	Comp/Auger	BSL)	ND	ND	ND	ND	304
				12" (18"					
Comp=01.0 E	Release Area	5/4/2011	Comp/Auger	BSL)	ND	ND	ND	ND	284

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

All results are ppm. X - Sample Points

Released: 800 B/O & PW Mix; Recovered: 300 B/O & PW Mix. Release Date: 1/5/2011



Dagger Draw Water System

30-015-28898

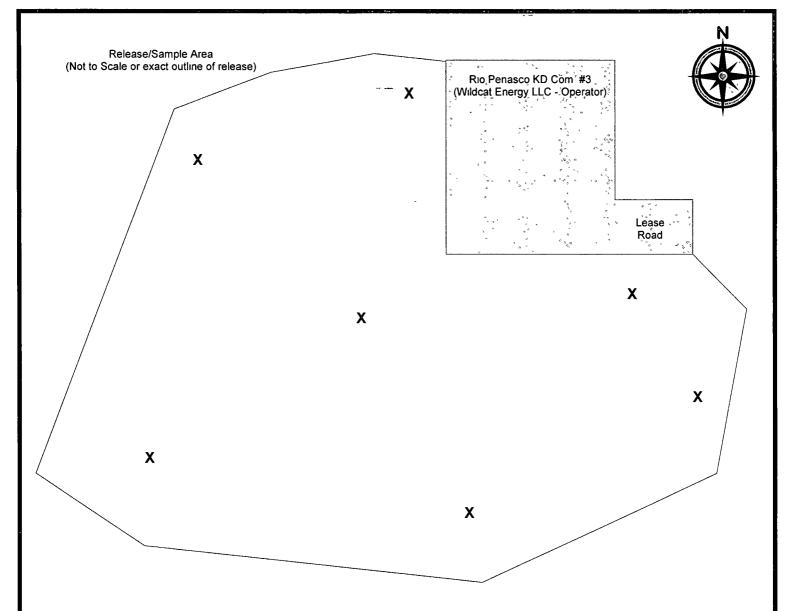
Section 11, T19S-R25E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 415676 & 415700 Report Date: 5/9/2011

Prepared by Robert Asher Environmental Regulatory Agent



- Analytical Report : 405103 & 405104		Sample Date	Sample Type	Depth	BTEX	GRO	DRO	ŤŐŤAĿ	Chlorides
Comp-00 5	Release Area	1/25/2011	Comp/Auger	6"	1.301	18 9	721	739 9	361
Comp-01 0	Release Area	1/25/2011	Comp/Auger	12"	0.008	ND	76	76	386
Comp-01 5	Release Area	1/25/2011	Comp/Auger	18"	0 378	ND	324	324	376

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

All results are ppm. X - Sample Points

Released: 800 B/O & PW Mix; Recovered: 300 B/O & PW Mix. Release Date: 1/5/2011



Dagger Draw Water System

30-015-28898

Section 11, T19S-R25E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 405103 & 405104 Report Date: 2/3/2011 Prepared by Robert Asher Environmental Regulatory Agent

Analytical Report 415700

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Water System

30-015-26299 (Arrow ARW Federal Com. # 1)

09-MAY-11



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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arızona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

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Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Mıamı (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

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Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code. AZ00901) Arızona (AZM757)

Xenco Tucson (EPA Lab code AZ000989): Arizona (AZ0758)





09-MAY-11

Project Manager Robert Asher Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 415700

Dagger Draw Water System Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 415700. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No 415700 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 415700



Yates Petroleum Corporation, Artesia, NM

Dagger Draw Water System

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5 N	S	May-04-11 10:25	6 - 6 In	415700-001
Comp-01 0 N	S	May-04-11 10:43	12 - 12 In	415700-002
Comp-00.5 W	S	May-04-11 10:58	6 - 6 In	415700-003
Comp-01.0 W	S	May-04-11 11:15	12 - 12 In	415700-004
Comp-00 5 E	S	May-04-11 11:32	6 - 6 In	415700-005
Comp-01.0 E	S	May-04-11 11:48	12 - 12 In	415700-006



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Dagger Draw Water System



Project ID:

30-015-26299 (Arrow ARV

Work Order Number: 415700

Report Date: 09-MAY-11 Date Received. 05/06/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-855115 TPH By SW8015B Mod

SW8015B_NM

Batch 855115, o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data

confirmed by re-analysis

Samples affected are: 415700-002,415700-003,415700-006,415700-005,415700-004.

Batch: LBA-855141 BTEX by EPA 8021B

SW8021BM

Batch 855141, Benzene, Toluene recovered below QC limits in the Matrix Spike. Ethylbenzene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 415700-003, -006, -005, -001, -004, -002.

The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes, o-Xylene is within laboratory Control Limits

Final 1 001



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit, therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL
- U Analyte was not detected
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample
- **BRL** Below Reporting Limit
- **RL** Reporting Limit
- MDL Method Detection Limit
- PQL Practical Quantitation Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Method Detection Limit
- * Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Project Id: 30-015-26299 (Arrow ARW Federal Com

Certificate of Analysis Summary 415700

Yates Petroleum Corporation, Artesia, NM

Project Name: Dagger Draw Water System

Date Received in Lab: Fri May-06-11 11 00 am

Contact: Robert Asher

Project Location: Eddy County

Report Date: 09-MAY-11

Project Manager: Brent Barron, II

Project Manager: Dient Batton, II													
	Lab Id:	415700-0	001	415700-0	002	415700-0	003	415700-0	004	415700-0	005	415700-0	006
Analusia Basusatad	Field Id:	Comp-00	5 N	Comp-01	0 N	Comp-00	5 W	Comp-01	0 W	Comp-00	5 E	Comp-01	0 E
Analysis Requested	Depth:	6-6 In	ı	12-12 I	n	6-6 In		12-12 I	n	6-6 In		12-12 I	n
	Matrix:	SOIL		SOIL	,	SOIL		SOIL		SOIL		SOIL	
	Sampled:	May-04-11	10 25	May-04-11	10 43	May-04-11	10 58	May-04-11	11 15	May-04-11	11 32	May-04-11	11 48
BTEX by EPA 8021B	Extracted:	May-06-11	13 30										
	Analyzed	May-07-11	07 58	May-07-11	08 21	May-07-11	06 28	May-07-11	06 50	May-07-11	07 13	May-07-11	07 36
	Units/RL:	mg/kg	RL	mg/kg	RL	nıg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0 0012	ND	0 0238	ND	0 0012						
Toluene		ND	0 0023	ND	0 0475	ND	0 0024						
Ethylbenzene		ND	0 0012	0 0254	0 0238	ND	0 0012						
m_p-Xylenes		ND	0 0023	0 0603	0 0475	ND	0 0024	ND	0 0024	ND 0 0024		ND	0 0024
o-Xylene		0 00156	0 0012	0 0706	0 0238	ND	0 0012						
Total Xylenes		0 00156	0 0012	0 131	0 0238	ND	0 0012						
Total BTEX		0 00156	0 0012	0 156	0 0238	ND	0 0012						
Percent Moisture	Extracted:												
	Analyzed:	May-06-11	17 00										
	Units/RL:	%	RL										
Percent Moisture	, , , , , , , , , , , , , , , , , , ,	148	1 00	15 3	1 00	15 6	1 00	168	1 00	158	1 00	16 5	1 00
TPH By SW8015B Mod	Extracted:	May-06-11	14 00										
	Analyzed:	May-07-11	09 02	May-07-11	09 31	May-07-11	10 00	May-07-11	10 29	May-07-11	10 59	May-07-11	1130
	Units/RL:	mg/kg	RL										
C6-C10 Gasoline Range Hydrocarbons		ND	17.5	ND	177	ND	178	ND	18 0	ND	178	ND	179
C10-C28 Diesel Range Hydrocarbons		52 1	17 5	76 9	177	ND	17 8	ND	180	ND	178	ND	179
Total TPH		52 1	175	76 9	177	ND	178	ND	18 0	ND	178	ND	179

This analytical report, and the entire data package it represents has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II Odessa Laboratory Manager

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager. Robert Ash	er															F	roje	ct Na	ıme:					aw	W	ate	<u>: 1</u> :	<u>Sys</u>	ten	<u>n</u>		_
	Company Name Yates Petro	leum Corpora	tion															F	roje	ct #:		015-2 row A			al Cor	m #1	l)						
	Company Address: 105 South	1th Street														_		Pro	ject	Loc:	Ede	dy C	ount	t <u>y</u>									
	City/State/Zip. Artesia, NM	88210														_			P	O #:	108	5632											_
	Telephone No: 575-748-42	17				Fax No:		575	5-748	8-46	62					_	Repo	ort F	orma	t:	×	Sta	ndar	ď	1		TRF	RP		ات	NPDE	S	
	Sampler Signature	Ou.				e-mail:		<u>bc</u>	ba	<u>@</u> y	ate	esp	etro	ole	um.	co	<u>m</u>	_				·	Δn	2010	e Fo	<u></u>						7	
lab use	010																	F				CLP		alyz		<i>"</i>	П				72 hrs		
ORDE	R#: 4156700/415	104						_		Prese	rvati	on & f	# of C	ontai	ners	I	Matrix			Г	TO	IAL	- B	\dashv	\dashv	,g					4	ī	
LAB # (lab use only)	FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	lce	HNO3	HCI	H₂SO₄	NaOH	Na ₂ S ₂ O ₃	None		<u> </u>	NP=Non-Potable Specify Other TPH 418 1 8015M 801	TX 1005 TX 10	ns (Ca, Mg, Na,	Anions (Ci, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	NORM	Chlorides	f	RUSH TAT (Pre-Schedule) 24,		מווסמוס יייי
	Comp-00.5 N		6"	6"	5/4/2011	10:25 AM	14	-	x			П	1	寸		1	s	X	_		H					X	T		x	\neg	\top	X	_
02	Comp-01.0 N		12"	12"	5/4/2011	10·43 AM		_	х					7		T	s	x	1			П		\exists	- 1	x			х	\neg	1	×	╗
03	Comp-00.5 W		6"	6"	5/4/2011	10:58 AM			Х							T		X	1					T		х			x		丁	X	\vec{c}
04	Comp-01.0 W		12"	12"	5/4/2011	11:15 AM			Х				$=$ Γ				s	X								X			х		\Box	X	7
05	Comp-00.5 E		6"	6"	5/4/2011	11:32 AM			X				[S_	x							\exists	x			х			X	$\left[\right]$
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pecial		8015M, BT	EX 80	21B &	Chlorides.	ALL results in	mg	/kg	. Ti	hani	k yo	ou.	<u> </u>			L	···			Sar	nple	Cor	tain	ers l	nts:	ct?		1		\$ \$\frac{2}{\triangle}	N Kir		1
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Robert A Relinquis		05/05/11 Date		PM me	Received by				<u> </u>					+		Date	-	Tin	10	Cus San	itody npie	/ sea Han	is or d De	n co elive	oler(red				ξ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	zzzzz(
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Page 15 of 16



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title Sample Receipt Checklist

Document No . SYS-SRC

Revision/Date No 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates			····					
Date/Time: 5-/0-11 1	1:00							
Lab ID#: 415700/								
Initials: LM								
		S	ample Receipt C	heck	iist			
1. Samples on ice?					Blue	Water	No	
2. Shipping container in	good condition?				Yes	No	None	
3. Custody seals intact of	on shipping contain	er (co	ooler) and bottles?		Yes	No	N/A	
4. Chain of Custody pres	sent?				(Yes)	No		
5. Sample instructions c	omplete on chain of	fcus	tody?		Yes	No		
6. Any missing / extra sa	ımples?				Yes	No		
7. Chain of custody sign	ed when relinquishe	ed / r	eceived?		Yes	No		
8. Chain of custody agre	es with sample labe	el(s)?	·		Yes	No		
9. Container labels legib	le and intact?				Yes	No		
10. Sample matrix / prop	erties agree with ch	ain o	of custody?		(Yes)	No		
11. Samples in proper co	ontainer / bottle?				Yes	No		
12. Samples properly pro	eserved?				Yes	No	N/A	
13. Sample container int	act?				Yes	No		
14. Sufficient sample am	nount for indicated t	est(s	s)?		Yes	No		
15. All samples received	within sufficient ho	old ti	me?		Yes	No		
16. Subcontract of samp	ile(s)?			··	Yes	No.	N/A	
17. VOC sample have ze	ro head space?		,		Yes	No	(N/A)	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.		Cooler 4 No).	Cooler 5 No.	
lbs 35 °C	lbs	°C	lbs	°C	lbs	°c	lbs	°C
	N	lond	conformance Doc	ume	ntation			
Contact:			y:			Doto/Time:		
Joniaci	Contact	eu b	y			Date/Time:_		
Regarding:								
Corrective Action Taken	ı:			-				
——————————————————————————————————————				····				

Object all the first								
Check all that apply:			egun shortly after san able by NELAC 5.5.8.3			ut of temper	ature	

□ Initial and Backup Temperature confirm out of temperature conditions

 \square Client understands and would like to proceed with analysis

Analytical Report 415704

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Water System

30-015-26299 (Arrow ARW Federal Com. # 1)

09-MAY-11



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Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212). Florida (E84900)

Xenco-Odessa (EPA Lab code. TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code. TX02613). Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816) Xenco-Phoenix Mobile (EPA Lab code: AZ00901) Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





09-MAY-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 415704

Dagger Draw Water System Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 415704. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 415704 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 415704



Yates Petroleum Corporation, Artesia, NM

Dagger Draw Water System

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5 N	S	May-04-11 10:25	6 - 6 In	415704-001
Comp-01.0 N	S	May-04-11 10:43	12 - 12 In	415704-002
Comp-00.5 W	S	May-04-11 10.58	6 - 6 In	415704-003
Comp-01.0 W	S	May-04-11 11 ⁻ 15	12 - 12 In	415704-004
Comp-00.5 E	S	May-04-11 11:32	6 - 6 In	415704-005
Comp-01.0 E	S	May-04-11 11:48	12 - 12 In	415704-006

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Dagger Draw Water System



Project ID:

30-015-26299 (Arrow ARV

Work Order Number: 415704

Report Date: 09-MAY-11 Date Received: 05/06/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



Certificate of Analysis Summary 415704

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-26299 (Arrow ARW Federal Com

Project Name: Dagger Draw Water System

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri May-06-11 11:00 am

Report Date: 09-MAY-11

Project Manager: Brent Barron, II

								Project Ma	nager. I	stent Barron,	11		
	Lah Id:	415704-0	001	415704-0	02	415704-0	03	415704-0	004	415704-0	05	415704-0	006
Analysis Requested	Field Id:	Comp-00	5 N	Comp-01.6	N	Comp-00	5 W	Comp-01	0 W	Comp-00	5 E	Comp-01	0 E
Anulysis Requesteu	Depth:	6-6 In	ı	12-12 In	n	6-6 In		12-12 I	n	6-6 In		12-12 In	n
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	May-04-11	10 25	May-04-11	10 43	May-04-11	10 58	May-04-11	11 15	May-04-11	11 32	May-04-11	11 48
Anions by E300	Extracted:					· · · · · · · · · · · · · · · · · · ·						(811)	
	Analyzed:	May-06-11	16 13	May-06-11	16 13	May-06-11	16 13	May-06-11	16 13	May-06-11	16 13	May-06-11	16 13
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		247	19 7	317	198	429	24 9	391	20 2	304	24 9	284	25 1
Percent Moisture	Extracted:					-							
	Analyzed:	May-06-11	17 00	May-06-11	17 00	May-06-11	17 00	May-06-11	17 00	May-06-11	17 00	May-06-11	17 00
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		14 8	1 00	15 3	1 00	15 6	1 00	168	1 00	15 8	1 00	16 5	1 00

This analytical report, and the entire data package it represents, has been mide for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount involved for this work order unless otherwise agreed to in writing.

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Brent Barron, II Odessa Laboratory Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit, therefore, the concentration is reported as estimated
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MOL and above the SOL
- U Analyte was not detected
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection Limit
- PQL Practical Quantitation Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Method Detection Limit
- * Outside XENCO's scope of NELAC Accreditation.

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Page 6 of 11 Final 1 000

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager: Robert A	sher																Pro	ject	Nar	ne:	Da	gge	er	Dra	<u>w'</u>	Wa	ite	<u>r S</u> y	/st	em]	
	Company Name Yates Pe	etroleum Corpora	tion																Pro	jec	t #	30-01 (Arro			ederal	Com	#1)						
	Company Address: 105 Sou	th 4th Street																P	roje	ct L	oc:	Eddy	Co	unt	у								
	City/State/Zip Artesia, I	NM 88210			•															PC)#:	1056	32										
	Telephone No: 575-748-	-4217				Fax No:		575	5-74	8-46	62						Re	port	Fori	mat	:	×	Stan	dar	ď		⊤	rrr	P	Γ	J۸	PDES	S
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lab use	only)																				_	TCI	_	An	alyze	For	_	一				┥"	ĺ
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LAB # (lab use only)			Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers		HNO3	0	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soll/Solid		418 1 8015M	TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	s Ag Ba Cd Cr Pb	Volatiles	Semivolatiles	EX 8021E/5030 or BTEX 8260		NORM	Joriaes		RUSH TAT (Pre-Schedule) 2	Standard TAT
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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title Sample Receipt Checklist

Document No., SYS-SRC

Revision/Date No 01, 5/27/2010

Effective Date. 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates				
Date/Time: 5-6-11 11:00				
Lab ID#: 415700/415704				
Initials: LM				
Sample Receipt Check	dist			
1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		<u></u>
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	Ves	No		<u> </u>
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	(No)	N/A	
17. VOC sample have zero head space?	Yes	No	(N/A)	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No		Cooler 5 No.	
lbs 35 °C lbs °C lbs °C	C Ibs	°c	[bs	°c
Nonconformance Docume	entation			
Contact: Contacted by:		Date/Time:_		
Regarding:				
Corrective Action Taken:	·····			
Check all that apply: ☐ Cooling process has begun shortly after sampling condition acceptable by NELAC 5.5.8.3.1.a.1☐ Initial and Backup Temperature confirm out of ten	1.		ature	

 \square Client understands and would like to proceed with analysis

Analytical Report 405104

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Water System

30-015-26299 (Arrow ARW Federal Com. # 1)

03-FEB-11



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Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901) Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989). Arizona (AZ0758)



03-FEB-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 405104

Dagger Draw Water System Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 405104. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 405104 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 405104



Yates Petroleum Corporation, Artesia, NM

Dagger Draw Water System

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Jan-25-11 10:24	6 - 6 In	405104-001
Comp-01.0	S	Jan-25-11 11:02	12 - 12 In	405104-002
Comp-01 5	S	Jan-25-11 11:36	18 - 18 In	405104-003

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Dagger Draw Water System



Project ID:

30-015-26299 (Arrow AR)

Work Order Number: 405104

Report Date: 03-FEB-11

Date Received: 01/28/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

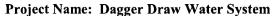
None

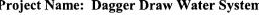


Project Location: Eddy County

Certificate of Analysis Summary 405104

Yates Petroleum Corporation, Artesia, NM





Project Id: 30-015-26299 (Arrow ARW Federal Com Date Received in Lab: Fri Jan-28-11 01 25 pm Contact: Robert Asher

Report Date: 03-FEB-11

Project Manager: Brent Barron II

Percent Moisture		160	1 00	18 1	1 00	163	1 00				
	Units/RL:	%	RL	%	RL	%	RL				ı
	Analyzed:	Jan-28-11	17 00	Jan-28-11 1	7 00	Jan-28-11 1	17 00				
Percent Moisture	Extracted:										
Chloride		361	20 0	386	20 5	376	20 1				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
	Analyzed:	Jan-31-11	Jan-31-11 20 02		Jan-31-11 20 02		20 02				
Anions in Soil By EPA 300.0	Extracted:										
	Sampled:	Jan-25-11	10 24	Jan-25-11 1	1 02	Jan-25-11 1	11 36				
	Matrix:	SOIL	SOIL		SOIL					ļ	
mulysis nequesica	Depth:	6-6 In		12-12 In		18-18 In					
Analysis Requested	Field Id:	Comp-00	5 5	Comp-01	Comp-01 0		1 5				
	Lab Id:	405104-0	001	405104-0	02	405104-0	003				
· · · · · · · · · · · · · · · · · · ·								110jeet Manager	: Brem Barron, I	<u>`</u>	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Odessa Laboratory Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration This condition could also effect the relative percent difference in the MS/MSD.
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- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
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- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit
- **RL** Reporting Limit
- MDL Method Detection Limit
- POL Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

TO MENT TO THE RESERVE OF THE PARTY OF THE P

Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager														_	F	Proje	ect N	lame		agg			aw	W	<u>ate</u>	r S	yst	tem	1		
	Company Name	Yates Petroleum Corpora	tion													_			Proj	ect #					al Co	m #1)						
	Company Address	105 South 4th Street					. ,					_	_			_		Pro	ojeci	Loc	:: <u>E</u> d	dy C	oun	ty								
	City/State/Zip ⁻	Artesia, NM 88210														_			1	PO #	: <u>10</u>	5632	2									
	Telephone No	575-748-4217				Fax No		575	5-748	3-46	62						Rep	ort F	orm	at:	X] Sta	ında	rd	1	<u></u>	FRR	P	Γ	JΝ	IPDE:	S
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LAB # (lab use only)		D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers		93				Na ₂ S ₂ O ₃	Specify	r SL=Sludge		on-Potable Specify Other	TPH 4181 8015M 8015I	ns (Ca. Mg. Na. K)	Anions (CI SO4, Alkalinity)	l iii	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	NORM	Chlorides		RUSH TAT (Pre-Schedule) 24, 4	Г
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	nstructions:	TPH 8015M, BTE	EX 80	21B &	Chlorides.	ALL results in	mg	/kg	 . Th	ani	k yo	u								Sa	bora imple	e Co	ntaır	ners	Inta	ct?			KKK	ユー シ	N N	
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Relinquish	FCOLX	Date	Tir	ne	Received by ELC	rea E	DÉ	X	v	1					· 75	ate 3 · [me ZS	Te	mpe	ratur	ι c e U	zen i	Rece	eipt		1		<u></u>	°C	



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philacelphia Phoenix, San Antonio, Tampa Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates	tetroleur					
Date/Time: \ 2	811 13.	25 _{-,}				
Lab ID#: 405	5103 / 409	3104				
Initials:	NE.					
	s	ample Receipt Ch	eck li st			
1. Samples on ice?			Blue	Water	No	
2. Shipping container in	good condition?		Yes	No	None	
3. Custody seals intact o		poler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody pres	ent?		Yes	No		
5. Sample instructions C	omplete on chain of cus	tody?	Yes	No		
6. Any missing / extra sa	mples?		Yes	(No)		
7. Chain of custody sign	ed when relinquished /	received?	Yes	No		
8. Chain of custody agre	es with sample label(s)	?	(Yes)	No		
9. Container labels legib	le and intact?		(Yes)	No		
10. Sample matrix / prop		of custody?	(Ye)	No ·		
11. Samples in proper co			(Yes)	No		
12. Samples properly pro			Yes	No	N/A	
13. Sample container int			Yes	No	 	
14. Sufficient sample am			Yes	No		
15. All samples received		me?	Yes	No		
16. Subcontract of samp			(Xes)	No	(NA)	
17. VOC sample have ze		T.	(Yes	No No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 N	T	Cooler 5 No.	
	lbs °C	ibs	°C lbs	°C	lbs	<u>°c</u>
	None	conformance Doc	umentation			
Contact:	Contacted b	y:		Date/Time:_	·	
Regarding:						
Corrective Action Taken	:					
Check all that apply:		egun shortly after san able by NELAC 5.5.8.3		out of tempe	rature	٠,

Final 1 000

□ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 405103

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Water System

30-015-26299 (Arrow ARW Federal Com. # 1)

03-FEB-11



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Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



03-FEB-11

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St.

Artesia, NM 88210

Reference: XENCO Report No. 405103

Dagger Draw Water System Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 405103. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 405103 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully.

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 405103



Yates Petroleum Corporation, Artesia, NM

Dagger Draw Water System

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Jan-25-11 10:24	6 - 6 In	405103-001
Comp-01.0	S	Jan-25-11 11:02	12 - 12 In	405103-002
Comp-01 5	S	Jan-25-11 11:36	18 - 18 In	405103-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Dagger Draw Water System



Project ID.

30-015-26299 (Arrow ARV

Work Order Number: 405103

Report Date: 03-FEB-11

Date Received: 01/28/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-841669 BTEX by EPA 8021

SW8021BM

Batch 841669, Ethylbenzene recovered below QC limits in the Matrix Spike. o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 405103-002, -001.

The Laboratory Control Sample for Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-841680 Percent Moisture

Batch: LBA-841876 BTEX by EPA 8021

SW8021BM

Batch 841876, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is

suspected; data not confirmed by re-analysis

Samples affected are: 405103-003.

SW8021BM

Batch 841876, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 405103-003.

The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is

within laboratory Control Limits

Batch: LBA-842022 TPH by SW 8015B

Final 1 000



Certificate of Analysis Summary 405103

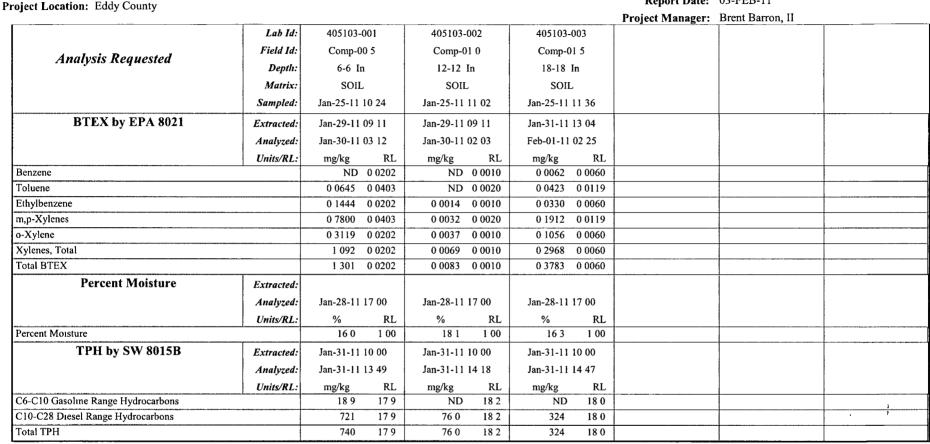
Yates Petroleum Corporation, Artesia, NM

Project Name: Dagger Draw Water System

Project Id: 30-015-26299 (Arrow ARW Federal Com

Date Received in Lab: Fri Jan-28-11 01 25 pm Contact: Robert Asher

Report Date: 03-FEB-11



This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and inakes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Odessa Laboratory Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL
- U Analyte was not detected
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- MDL Method Detection Limit
- PQL Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

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842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax. 432-563-1713

	Project Manager	t Manager Robert Asher												Project Name: Dagger Draw Water System 30-015-26299 Project #: (Arrow ARW Federal Com #1)									<u>.</u>									
	Company Name	Yates Petroleum	Corpora	tion				_									_		Pr	ojec					ederal	Com	#1)					
	Company Address	105 South 4th St	treet														_	F	roje	ct L	oc: l	Edd	y Cc	ounty	<u>/</u>							
	City/State/Zip	Artesia, NM 882	210														_			PC) #: <u>_</u>	1050	632									
	Telephone No	575-748-4217			_		Fax No:		575	-748	-466	2					R	eport	t For	mat	: [x ;	Stan	ndare	Ė] тғ	RRP			NPDE	s
	Sampler Signature	(Jus	Cu	ι.			e-mail		bo	ba(@γ.	ates	spe	etro	leu	m.c	<u>om</u>	_					_	<u> </u>								-
(lab use	only) R#: 405103	/105104																				TOT	AL	1	alyze	For	<u></u>	T			. 72 hrs	
LAB # (lab use only)		.D CODE	<u> </u>	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers		reser SONH			NaCH Na.S.O.		(Specify)		NP=Non-Potable Specify Other	TPH 4181 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl. SO4, Alkalınıty)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles BTEX 80218/5030 or RTEX 8260	BIEK BUZIEGOUSU OF BIEK BZBU RCI	LORM	Chlondes		RUSH TAT (Pre-Schedule) 24, 48.	_
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Special I	nstructions:	TPH 801	5M, BTE	EX 802	21B &	Chlorides.	ALL results in	mg	/kg	Th	ank	you	ı							J	Sam	ple (Cont	taıne	i me n ers In eadsp	ntact			{	2	N N	
Relinquish		1	Date	Tir		Received by				_					Τ	Da	te		Time		Labe	ls or	n co	ntai	ner(s	5)			(2	N N	
Robert As Relinquish		01	1/27/11 Date	2 03 Tır	PM ne	Received by							_		+	Da	ite	-	Time		Custo Sami	ody : ple l	seal Hand	ls on d De	n coo eliveri lient f	ler(s ed Rep	7			KAKAKA	N N N	
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XENCO Laboratories

Phoenix, San Antonio, Tampa

Attanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010

Prelogin / Nonconformance Report - Sample Log-In

Client:	ates	Petr	oleuv	1			•		
Date/Time:	7	B 11	13	25					
Lab ID#:	409	5103	1405	5104					
Initials:		-17							
		<u></u>	S	ample Receipt (Checki	list			
<u></u>							(Water)	No	
1. Samples on						Blue			
2. Shipping co						Yes	No _	None	
			container (co	oler) and bottles?		Yes	No	N/A	
4. Chain of Cu						Yes	No	i 	
5. Sample inst			chain of cus	tody?		Yes	No		
6. Any missing				·		Yes	(No	 	
7. Chain of cu						(Yes)	No	 	
8. Chain of cu	stody agre	es with sau	nple label(s)?	•		(Yes)	No		
9. Container la	abels legib	le and inta	:1?			(Yes)	No	ļ	
10. Sample ma	atrix / prop	erties agre	e with chain o	of custody?		Yes	No ·	 	
11. Samples is	n proper co	ontainer / b	ottle?			(Yes)	No	 	
12 Samples p	roperly pro	served?				Yes	No	N/A	
13. Sample co	ontainer int	act?				Yes	No		
14. Sufficient	sample am	ount for in	dicated test(s	;)?		(Yes)	No		
15. Ali sample	es received	within suf	ficient hold ti	me?		Yes	No		
16. Subcontra	ct of samp	ile(s)?				(yes)	No	(NA)	
17. VOC same	ole have ze	ro head sp	ace?			Yes	No	N/A	
18. Cooler 1 N	lo.	Cooler 2 h	lo.	Cooler 3 No.		Cooler 4 N	0.	Cooler 5 No.	
lbs	1.60°C	lbs	°C	lbs	°C	lbs	°c	lbs	°C
	-•		None	conformance De	ocume	ntation			
Contact:			Contacted by		- -		Date/Time:		
							Date inie		
Regarding:									
Corrective Ac	tion Taken	<u> </u>							
	- I GNGII								
		·							
Check all that	tapply: [Cooling p	rocess has b	egun shortly after s able by NELAC 5.5.	empling	event and	out of temper	rature	٠,
	г			DOCTOR CONTINUES		•	anditions.		

Final 1 000

☐ Client understands and would like to proceed with analysis