MARTIN YATES, III

FRANK W. YATES

5.P YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES

JOHN A. YATES JR.

JOHN D. PERINI
EXECUTIVE V.P. OF MONETIZATION
CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

April 16, 2015

Mr. Mike Bratcher/Mrs. Heather Patterson NMOCD District II 811 S. First St. Artesia, NM 88210

Re:

Benson Deep BDX Federal Com #1

30-015-22793

Section 33, T18S-R30E Eddy County, New Mexico

2RP-2732

Mr. Bratcher/Mrs. Patterson,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated January 13, 2015.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after May 1, 2015.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle Environmental Regulatory Agent

Enclosure(s)

Yates Petroleum Corporation

Benson Deep BDX Federal Com #1 Work Plan

Section 33, T18S-R30E

Eddy County, New Mexico

April 16, 2015

I. Location

The release is located off of Duval Shaft Road that is between mile marker 11 and 12 off of Highway 360.

II. Background

On January 13, 2015, Yates submitted to the NMOCD District II office a Form C-141 for the release of 200 B/O and 200 B/FW with 60 B/O and 170 B/FW recovered. The affected area was approximately 920 feet by 205 feet on and off the location, as well as within the bermed/lined battery. Initial delineation samples were taken at the Pit, Pad, Sep, and MR release areas (1/15/2015) and sent to a NMOCD approved laboratory (1/20/2015, results enclosed). After completing an Archeological Survey required by BLM, initial scraping was undertaken allowing for further sampling. Samples were taken from the MR and ER release areas (3/12/2015) and sent to NMOCD approved laboratory (3/20/2015, results enclosed). Based on analytical data (3/20/2015), further sampling was conducted in the MR release area (3/23/2015) and sent to a NMOCD approved laboratory (4/1/2015, results enclosed). This analytical data led Yates personnel to believe that previous sampling conducted in the MR area (1/15/2015) was tainted due to cross contamination from the area remaining saturated so shortly after the release. Therefore sampling was again conducted in the MR release area (4/8/2015) and sent to a NMOCD approved laboratory (4/14/2015, results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic Quaternary. The ChevronTexaco Trend Map displays at this location (Section 33, T18S-R30E) that depth to groundwater is approximately 175 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

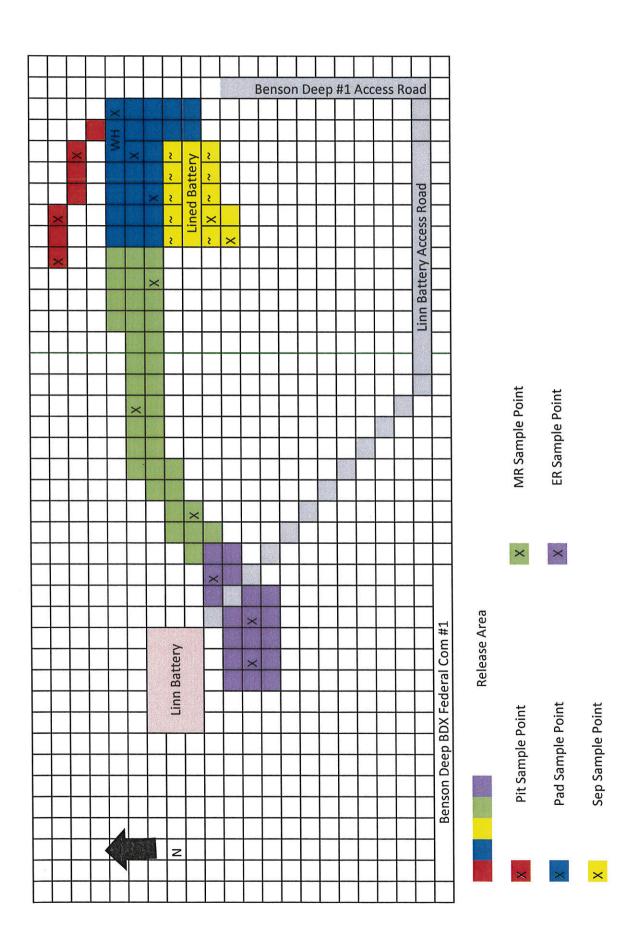
Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

IV. Soils

The area consists of soils that are sandy and loam topsoil, which are interspersed with clay layers providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on enclosed analytical results and the depth to groundwater (175'), Yates Petroleum Corporation will apply a treatment of 3% MicroBlaze to the Sep, MR, and ER release areas and monitor the breakdown of TPH and BTEX in the MR release area at the surface level, taking soil samples every 30 days that will be sent to NMOCD approved laboratory. If the MR surface area has not been remediated below RRALs by 90 days, another application of 3% MicroBlaze will occur with the same monitoring parameters. If the area is remediated below RRALs prior to August 15, 2015, Yates will reseed the MR and ER areas with BLM LPC Seed Mixture, if remediation below RRALs occurs after August 15, 2016, then seeding will occur in the 2016 planting season. Low areas remaining from the initial scrape will be smoothed out with a box blade prior to seeding. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0) in the Pit, Pad, Sep, and ER release area, no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation) in those areas. When remediation work is completed a C-141, Final Report will be submitted to the NMOCD requesting closure of the site.



Chlorides	816	272	560	48	416	48	752	304	Chlorides	64	256	192	64	Chlorides	32	Chlorides	N/A
DRO	<10.0	<10.0	3900	42.2	3270	260	6780	1510	DRO	13.1	<10.0	<10.0	<10.0	DRO	<10.0	DRO	12.7
GRO	<10.0	<10.0	<50.0	<10.0	234	10.2	2350	795	GRO	<10.0	<10.0	<10.0	<10.0	GRO	<10.0	GRO	<10.0
BTEX	1.2	<0.3	5.12	<0.3	3.41	0.411	406	105	BTEX	<0.3	<0.3	<0.3	<0.3	BTEX	<0.3	BTEX	<0.3
Depth	3"	1'	3"	1'	3"	1'	3"	1'	Depth	3'	1^{1}	2'	3'	Depth	2'	Depth	1,
Sample Type	Hand Auger	Sample Type	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Sample Type	Hand Auger	Sample Type	Hand Auger							
Sample Date	1/15/2015	1/15/2015	1/15/2015	1/15/2015	1/15/2015	1/15/2015	1/15/2015	1/15/2015	Sample Date	3/12/2015	3/12/2015	3/12/2015	3/12/2015	Sample Date	3/23/2015	Sample Date	4/8/2015
Sample Area	Release Area	Sample Area	Release Area	Release Area	Release Area	Release Area	Sample Area	Release Area	Sample Area	Release Area							
H500160	Pit- Surface	Pit-1'	Pad- Surface	Pad-1'	Sep- Surface	Sep-1'	MR- Surface	MR-1' (X-contam)	H500700	MR-3'	ER-11	ER-2'	ER-3'	H500824	MR-2'	H500937	MR-1'

Site Ranking is Zero (0). >100' (175', Section 33, T18S-R30E, Trend Map All results are ppm. Chlorides for documentation Released: 200 B/O & 200 B/FW; Recovered: 60 B/O & 170 B/FW Release Date: 01/09/2015



January 20, 2015

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street

Artesia, NM 88210

RE: BENSON DEEP BDX FEDERAL COM #1

Enclosed are the results of analyses for samples received by the laboratory on 01/16/15 12:05.

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/ga/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 CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

01/20/2015

Sampling Type:

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: PIT - SURFACE (H500160-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.156	0.050	01/19/2015	ND	1.79	89.5	2.00	13.9	
Toluene*	0.705	0.050	01/19/2015	ND	1.81	90.4	2.00	16.3	
Ethylbenzene*	0.160	0.050	01/19/2015	ND	1.77	88.5	2.00	14.9	
Total Xylenes*	0.178	0.150	01/19/2015	ND	5.33	88.8	6.00	14.6	
Total BTEX	1.20	0.300	01/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	01/19/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS	-		4		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	<10.0	10.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	101	% 47.2-15	7					***************************************	
Surrogate: 1-Chlorooctadecane	113 9	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Calley There -



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

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

Sampling Type:

Soil

01/20/2015

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: PIT - 1' (H500160-02)

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	01/19/2015	ND	1.79	89.5	2.00	13.9	
Toluene*	<0.050	0.050	01/19/2015	ND	1.81	90.4	2.00	16.3	
Ethylbenzene*	<0.050	0.050	01/19/2015	ND	1.77	88.5	2.00	14.9	
Total Xylenes*	<0.150	0.150	01/19/2015	ND	5.33	88.8	6.00	14.6	
Total BTEX	<0.300	0.300	01/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 5	% 61-154				<u> </u>		***************************************	
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP		LILLERY TO THE TOTAL OF THE PARTY.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/19/2015	ND	400	100	400	0.00	
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	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	<10.0	10.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	96.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	107	% 52.1-17	6						

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*=Accredited Analyte

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Celeg to Frence

Celey D. Keene, Lab Director/Quality Manager



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

BENSON DEEP BDX FEDERAL COM #1

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

Sampling Type:

Soil

Project Name:

01/20/2015

Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: PAD - SURFACE (H500160-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.380	0.050	01/19/2015	ND	1.79	89.5	2.00	13.9	
Toluene*	2.72	0.050	01/19/2015	ND	1.81	90.4	2.00	16.3	
Ethylbenzene*	0.805	0.050	01/19/2015	ND	1.77	88.5	2.00	14.9	
Total Xylenes*	1.21	0.150	01/19/2015	ND	5.33	88.8	6.00	14.6	
Total BTEX	5.12	0.300	01/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 %	61-154	r						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/19/2015	ND	400	100	400	0.00	
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	<50.0	50.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	3900	50.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	102 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	153 9	6 52.1-17	6						

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Celeg to trans-



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

Sampling Type:

Soil

01/20/2015

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: PAD - 1' (H500160-04)

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	01/19/2015	ND	1.79	89.5	2.00	13.9	
Toluene*	0.109	0.050	01/19/2015	ND	1.81	90.4	2.00	16.3	
Ethylbenzene*	<0.050	0.050	01/19/2015	ND	1.77	88.5	2.00	14.9	
Total Xylenes*	<0.150	0.150	01/19/2015	ND	5.33	88.8	6.00	14.6	
Total BTEX	<0.300	0.300	01/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	48.0	16.0	01/19/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	42.2	10.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	95.8	% 47.2-15	7			aug II			
Surrogate: 1-Chlorooctadecane	110 9	6 52.1-17	6						

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Celeg to treene -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

01/20/2015

Sampling Type:

Soil

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: SEP - SURFACE (H500160-05)

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	01/19/2015	ND	1.79	89.5	2.00	13.9	
Toluene*	0.372	0.050	01/19/2015	ND	1.81	90.4	2.00	16.3	
Ethylbenzene*	0.894	0.050	01/19/2015	ND	1.77	88.5	2.00	14.9	
Total Xylenes*	2.14	0.150	01/19/2015	ND	5.33	88.8	6.00	14.6	
Total BTEX	3.41	0.300	01/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113 9	% 61-154	(
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/19/2015	ND	400	100	400	0.00	
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	234	50.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	3270	50.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	125	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	149	% 52.1-17	6						

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Celley D. France -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

01/20/2015

Sampling Type:

Soil

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: SEP - 1' (H500160-06)

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	01/20/2015	ND	1.69	84.6	2.00	4.80	
Toluene*	0.101	0.050	01/20/2015	ND	1.71	85.5	2.00	4.41	
Ethylbenzene*	0.097	0.050	01/20/2015	ND	1.68	83.8	2.00	4.10	
Total Xylenes*	0.214	0.150	01/20/2015	ND	5.00	83.3	6.00	5.01	
Total BTEX	0.411	0.300	01/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/19/2015	ND	400	100	400	0.00	
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	10.2	10.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	260	10.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	92.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	113 9	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celler D. France -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

01/20/2015

Sampling Type:

Soil

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: MR - SURFACE (H500160-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms				·····	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.0	2.00	01/20/2015	ND	1.69	84.6	2.00	4.80	
Toluene*	170	2.00	01/20/2015	ND	1.71	85.5	2.00	4.41	
Ethylbenzene*	81.0	2.00	01/20/2015	ND	1.68	83.8	2.00	4.10	
Total Xylenes*	130	6.00	01/20/2015	ND	5.00	83.3	6.00	5.01	
Total BTEX	406	12.0	01/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108	% 61-154							
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	752	16.0	01/19/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	2350	50.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	6780	50.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	223	% 47.2-15	7		MIX TO THE OWNER OF THE OWNER.				
Surrogate: 1-Chlorooctadecane	181	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celler Ditreme -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

(505) 748-4635 Fax To:

Received:

01/16/2015

Sampling Date:

01/15/2015

Reported:

Sampling Type:

01/20/2015

Soil

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: MR - 1' (H500160-08)

BTEX 8021B	mg/	'kg	Analyze	d By: ms				(****	· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.37	0.500	01/20/2015	ND	1.69	84.6	2.00	4.80	
Toluene*	42.8	0.500	01/20/2015	ND	1.71	85.5	2.00	4.41	
Ethylbenzene*	21.0	0.500	01/20/2015	ND	1.68	83.8	2.00	4.10	
Total Xylenes*	33.9	1.50	01/20/2015	ND	5.00	83.3	6.00	5.01	
Total BTEX	105	3.00	01/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 61-154							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/19/2015	ND	400	100	400	0.00	
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	795	50.0	01/17/2015	ND	195	97.5	200	0.878	
DRO >C10-C28	1510	50.0	01/17/2015	ND	207	103	200	3.71	
Surrogate: 1-Chlorooctane	132	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	135	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celing Ditreme -



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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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Celay D. Keene

Beginning Depth	3.0	lpon Receipt	emperature	Time Te		Date								*	received by ELOT.					
Oject Managerr	Fed		by Sample by Courier				-							Ť	Received by ELO		Time	Date	l by:	Relinquished
Project 48.		itainer(s) on container(s) on cooler(s)	abels on cor ustody seals ustody seals	C	5	160			1	13	8	2	2	JAR.	Sedelived by:		Time	1-16-15 Date	l by:	Relinquished
### REID CODE ### RE		ainers Intact? Headspace?	ample Control OCs Free of	< 0 -											Docario his			Date	by.	Relinquished
Dject Manager: Class Settle Project Name: Benson Deep Bbx						-		-	-	-		and the same of	-			_			structions:	Special Ins
Time Sampled						-		+	+	-										
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101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	N	v s	A	< 7	0 0	******	-	-	_		×	-	_	11:45 A	1/15/2015				Pit- Sur	
ARDINAL LABORATORIES ARDINAL LABORATORIES Project Name: Benson Deep BDX 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Project Name: Benson Deep BDX mpx (505) 393-2326 Yates Petroleum Corporation Project Hame: Project Loc: Benson Deep BDX mpany Address: 105 South 4th Street Project Loc: Benson Deep BDX y/State/Zip: Artesia, NM 88210 Project Loc: Benson Deep BDX po #: 205-0750 Po #: 205-0750 Po #: 205-0750 e-mail: csettle@yatespetroleum.com Analyze For. Analyze For. TCLP. TOTAL: In TOTAL: Project Mame: Benson Deep BDX Analyze For. Project Loc: Benson Deep BDX TOTAL: In TOTAL:	.O.R.M.	olatiles emivolatiles TEX 8021B/5030 or BTEX 8266	inions (CI, SO4, Alkalinity)	PH: 418.1 8015M 801	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	the state of the s		The second secon		HNO ₃	Ice		Field Filtered	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	ODE	FIELD C	LAB# (lab use only)
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Project Name: Benson Deep BDX Project Name: Benson Deep BDX Project Loc: Benson Deep BDX				5B	Matrix	tainers	of Con	*	arvatic	Prese	T	1								
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ABORATORIES (505) 393-2326 FAX (505) 393-2476 Project Name: Benson Deep BDX Chase Settle Project Name: Benson Deep BDX K Yates Petroleum Corporation Project Loc: Benson Deep BDX 105 South 4th Street Project Loc: Benson Deep BDX Artesia, NM 88210 PO #: 205-0750 575-748-4171 Fax No: 575-748-4131 Report Format: X Standard TRI					1.com	oleun	etro		ya	le(c	sett	Ω	nail:	е-п				M. Ja	Sampler Signature:	
AL LABORATORIES t Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Project Name: Benson Deep BDX Project Name: Benson Deep BDX Project #: Project Loc: Benson Deep BDX Artesia, NM 88210 PO#: 205-0750	RRP		_	rt Forma	Repor				ω_	18-41	75-74	57	No:	Fax				5-748-4171		
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ABORATORIES arland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Chase Settle Project Name: Benson Deep BDX				Projec													tion	ates Petroleum Corpora	Comp: (505) 393-2326 Ye	
(505) 393-2326 FAX (505) 393-2476)X Fer	Deen		roject Na	קי													hase Settle		
	0										// ex .dil	2476	5) 393-2	126 FAX (505	(505) 393-23			DRATORIES 1, Hobbs, NM 88240	ARDINAL LABO	6

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

★ Standard TAT

Page 11 of 11



March 20, 2015

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BENSON DEEP BDX FEDERAL COM #1

Enclosed are the results of analyses for samples received by the laboratory on 03/13/15 11:25.

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/ga/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.

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 CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/13/2015

Sampling Date:

03/12/2015

Reported:

DTEV 0021D

03/20/2015

Sampling Type:

Soil

Project Name:

Cool & Intact

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: M R - 3' (H500700-01)

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	03/19/2015	ND	2.17	109	2.00	5.29	
Toluene*	<0.050	0.050	03/19/2015	ND	1.99	99.3	2.00	4.00	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.91	95.3	2.00	6.10	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.69	94.9	6.00	7.55	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 61-154	1						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/17/2015	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS		MARKET LINE AND ADDRESS OF THE PARTY OF THE			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2015	ND	200	100	200	0.434	
DRO >C10-C28	13.1	10.0	03/17/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	91.3	% 47.2-15	7						
Surrogate: I-Chlorooctadecane	96.8	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg Ditrema-



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Analyzed Ry: ms

Received:

03/13/2015

Sampling Date:

03/12/2015

Reported:

BTEX 8021B

03/20/2015

Sampling Type:

Soil

Project Name:

BENSON DEEP BDX FEDERAL COM #1

ma/ka

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: E R - 1' (H500700-02)

DIEX 8021B	mg/	кg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	109	2.00	5.29	
Toluene*	<0.050	0.050	03/19/2015	ND	1.99	99.3	2.00	4.00	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.91	95.3	2.00	6.10	
Total Xylenes*	0.218	0.150	03/19/2015	ND	5.69	94.9	6.00	7.55	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/17/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS			1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2015	ND	200	100	200	0.434	
DRO >C10-C28	<10.0	10.0	03/17/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	83.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.5	% 52.1-17	6						

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Celsey Theman



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street

Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/13/2015

Sampling Date:

03/12/2015

Reported:

Sampling Type:

03/20/2015

Cool & Intact

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: E R - 2' (H500700-03)

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	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/17/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS	26				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2015	ND	200	100	200	0.434	
DRO >C10-C28	<10.0	10.0	03/17/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	88.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.1	% 52.1-17	6						

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*=Accredited Analyte

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Celley & treeme



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

Received:

03/13/2015

Sampling Date:

03/12/2015

Reported:

Sampling Type:

03/20/2015

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Number: Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: E R - 3' (H500700-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms				in and the second	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	61-154	!						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/17/2015	ND	416	104	400	3.92	
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	03/17/2015	ND	200	100	200	0.434	
DRO >C10-C28	<10.0	10.0	03/17/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	83.2	% 47.2-15	7			×			
Surrogate: I-Chlorooctadecane	92.7	% 52.1-17	' 6						

Cardinal Laboratories

*=Accredited Analyte

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Celen to treens -



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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Celly to Krene-

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April 01, 2015

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: BENSON DEEP BDX FEDERAL COM #1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/15 11:15.

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.

Celes 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 CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/27/2015

Sampling Date:

03/23/2015

Reported:

04/01/2015

Sampling Type:

Soil

Project Name:

BENSON DEEP BDX FEDERAL COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: MR - 2 '(H500824-01)

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	03/31/2015	ND	2.04	102	2.00	4.46	
Toluene*	< 0.050	0.050	03/31/2015	ND	1.86	92.9	2.00	7.17	
Ethylbenzene*	<0.050	0.050	03/31/2015	ND	1.81	90.3	2.00	7.28	
Total Xylenes*	<0.150	0.150	03/31/2015	ND	5.49	91.5	6.00	7.97	
Total BTEX	<0.300	0.300	03/31/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 61-154		CHEDICAL DESCRIPTION OF SHEET					
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS				easta a succession	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2015	ND	192	96.2	200	1.47	
DRO >C10-C28	<10.0	10.0	03/27/2015	ND	204	102	200	5.54	
Surrogate: 1-Chlorooctane	121 :	% 47.2-15	7				***************************************	***************************************	
Surrogate: 1-Chlorooctadecane	125	% 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.

Celley I tremo -



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

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 (39) 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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shed by:		shed by:	Special Instructions:							MR-2:	2				Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Compt (505) 3	Project Manager:	ARDIN 101 Ear	1
												FIELD CODE	4500824	1				dress: 105 Sout	93-232€ Yates Pet	ger: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	
Date		3-27-15 Date											+		4	4171	Artesia, NM 88210	105 South 4th Street	Compt (505) 393-2326 Yates Petroleum Corporation	ottle	NM 88240	
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April 14, 2015

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: BENSON DEEP BDX FEDERAL COM #1

Enclosed are the results of analyses for samples received by the laboratory on 04/09/15 11:13.

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/ga/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.

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 CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

04/09/2015

Sampling Date:

04/08/2015

Reported:

Sampling Type:

Project Name:

04/14/2015

Sampling Condition:

Cool & Intact

BENSON DEEP BDX FEDERAL COM #1

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

BENSON DEEP BDX FEDERAL COM #1

Sample ID: MR-1' (H500937-01)

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	04/13/2015	ND	2.05	103	2.00	0.425	
Toluene*	<0.050	0.050	04/13/2015	ND	1.92	96.0	2.00	2.17	
Ethylbenzene*	<0.050	0.050	04/13/2015	ND	1.84	91.9	2.00	0.0379	
Total Xylenes*	<0.150	0.150	04/13/2015	ND	5.94	99.1	6.00	0.120	
Total BTEX	<0.300	0.300	04/13/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 61-154	!						
TPH 8015M	mg/	/kg	Analyze	d By: MS				and his first and the second	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2015	ND	181	90.7	200	1.65	
DRO >C10-C28	12.7	10.0	04/10/2015	ND	186	92.8	200	2.24	
Surrogate: 1-Chlorooctane	91.2	% 47.2-15	7	······································					
Surrogate: 1-Chlorooctadecane	87.1	% 52.1-17							

Cardinal Laboratories

*=Accredited Analyte

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Celler & trung



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 (39) 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.

Celey D. Keine

Relinquished by:	Relinquished by: Relinquished by:	Special					LAB # (lab use only)	ORDER #:	(lab use only)							Re
shed by:	shed by:	Special Instructions:				MR-1'	FIELD CODE	R#: H500937		Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Artesia, NM 88210	Company Address: 105 South 4th Street	Compt (505) 393-232t Yates Petroleum Corporation	Project Manager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	Date 4-9-15 Date						-			Cy N	71	88210	th Street	leum Corporation	Ф	ES VM 88240
							Beginning Depth				1			ä		
ime	Time Time						Ending Depth	1			,					
Received by ELOT:	Received by:					4/8/2015	Date Sampled									(505) 393-2326 FAX (505) 393-2476
	A					10:30 AM	Time Sampled			e-mail:	Fax No:					FAX (505) 393
	150						Field Filtered Total #. of Containers	_		lo	lo					2476
				_	_	×	ice	+		csettle@yatespe	575-748-4131					
							HNO ₃	Pre		le	48-4					
							нсі	Preservation		(V)	3					
							H ₂ SO ₄	200		ate						Q
							NaOH	# of Co		Spe			İ			CHAIN
							Na ₂ S ₂ O ₃			-						V _Q
	1						None	ntainers		eu						FC
Date	Date Date						Other (Specify)	4		3		1				US
a selection	"5"					S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	M a		roleum.com	20					0
	Minter.					0	NP=Non-Potable Specify Other	Matrix		13	por				Pr	Ϋ́
I Ime	Time Time					×		158	Т	П	ŧ Fo		roj	70	ojec	ΈC
ď	000						TPH: TX 1005 TX 1006				Report Format:	70	Project Loc:	Project #:	Project Name:	Q _R
Ten	Cus	Sar Vo					Cations (Ca, Mg, Na, K)				::	PO #:	00	#	me:	O A
nper	Labels on container(s) Custody seals on contain Custody seals on cooler Sample Hand Delivered by Sampler/Client Re by Courier? UPS	nple Cs F					Anions (CI, SO4, Alkalinity)		10.		×					8
erature U	Sea Harrianni	Cor					SAR / ESP / CEC		TOTAL:		Sta	205-0750	Ве		Be	A
e Up	ontal als o als o ler/(Con tain					Metals: As Ag Ba Cd Cr Pb Hg	Se		3	x Standard	55	Benson		nso	AL.
Š,	iner(n co elive	nme ers I eads					Volatiles			Analyze	a		n D		n D	YSI
Temperature Upon Receipt:	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?					Semivolatiles		_	e For			Deep		Benson Deep	OF CUSTODY RECORD AND ANALYSIS REQUEST
1 day (helps)	Committee of the Commit	" T				×	BTEX 8021B/5030 or BTEX 82	:60	L	a			BDX			EQ
0	HL s)						RCI				TRRP		×		×	UE:
6.6	n						N.O.R.M. Chlorides				0		Federal		BDX Federal Com	37
20	\$ 88×8€	BB			_		SAR				П		ra l		<u>a</u>	
											Z		Com		Con	
റ്	Lone Star	zz					RUSH TAT (Pre-Schedule) 24	4, 48, 72	hrs	Н	NPDES		n #1		# # # # # # # # # # # # # # # # # # # #	
	<u>e</u>					×	Standard TAT	T	OF STREET, SHOWING		S		100		Page	4 of 4