

3R - 071

2006 AGWMR

04/15/2007

BURLINGTON
RESOURCES
San Juan Division

3RD71

April 15, 2007

Hand Delivered
RECEIVED

Glen Von Gonten
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

APR 17 2007

Oil Conservation Division
Environmental Bureau

RE: 2006 Annual Groundwater Investigation and Remediation Reports
San Juan Basin, New Mexico


Dear Mr. Von Gonten:

As required in Burlington Resources approved Groundwater Investigation and Remediation Plan dated August, 1998, enclosed are the 2005 annual reports for Burlington's groundwater impact sites in the San Juan Basin. Separate reports are enclosed for the following locations:

✓ Hampton #4M
Johnson Federal #4 Metering Station
Flora Vista
Howell K-1

If you have questions or additional information is needed, please contact me at (505) 326-9537.

Sincerely,



Gregg Wurtz
Sr. Environmental Representative

Attachments - Groundwater Investigation and Remediation Reports

cc: Brandon Powell - NMOCD Aztec
WFS - Mark Harvey (Hampton #4M)
EPFS - Scott Pope (Johnson Fed. #4)
Facility and Correspondence Files

RECEIVED

APR 17 2007

BURLINGTON RESOURCES 2006 ANNUAL GROUND WATER REPORT Oil Conservation Division
Environmental Bureau

Johnston Federal #4 Metering Facility

SITE DETAILS

Location: Unit Letter M, Section 27, Township 31N, Range 9W; San Juan County, New Mexico
Land Type: Federal

PREVIOUS ACTIVITIES

El Paso Field Services (EPFS) excavated approximately 60 cubic yards from a pit at this location in 1994, and installed a monitoring well in 1995. Since then, EPFS has installed four additional monitoring wells on the site. It should be noted that in past reports, EPFS incorrectly showed the location of the monitoring wells at the Johnson Federal #4 producing location. The producing location is in a different section from where the metering facility and groundwater impact are located.

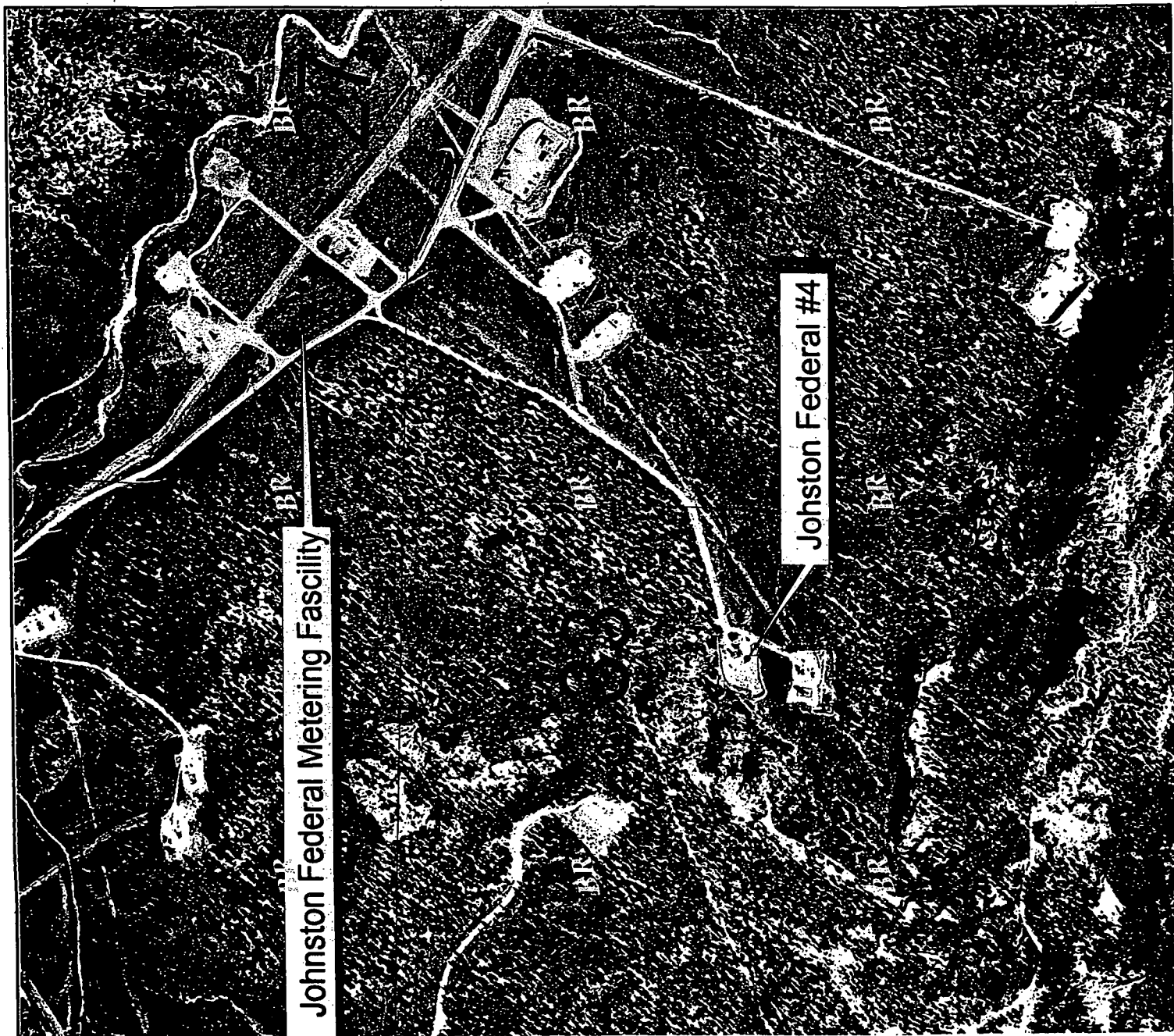
Burlington Resources conducted initial site assessments of two Burlington pits in August 1998. The separator pit tested clean and was closed. The tank drain pit had levels above standards, and excavation of approximately 3055 cubic yards of impacted soil to a depth of 30 feet occurred in December 1998. Prior to backfilling, the excavation was sprayed with 20 barrels of Oxy-1. Clean overburden and soils from a nearby wash were used to backfill the excavation.

GROUND WATER MONITORING

To determine impact to ground water, a ground water monitoring well was installed on May 13, 1999 (Figure 1). Ground water was reached at approximately 43 feet below the ground surface. Well logs and completion diagrams are shown in Attachment 1. The well was developed and sampled for the first time on May 25, 1999. Initial results indicated high concentrations of benzene, toluene, ethylbenzene and total xylenes (BTEX) in the ground water. A quarterly sampling schedule was initiated to monitor natural degradation of BTEX concentrations.

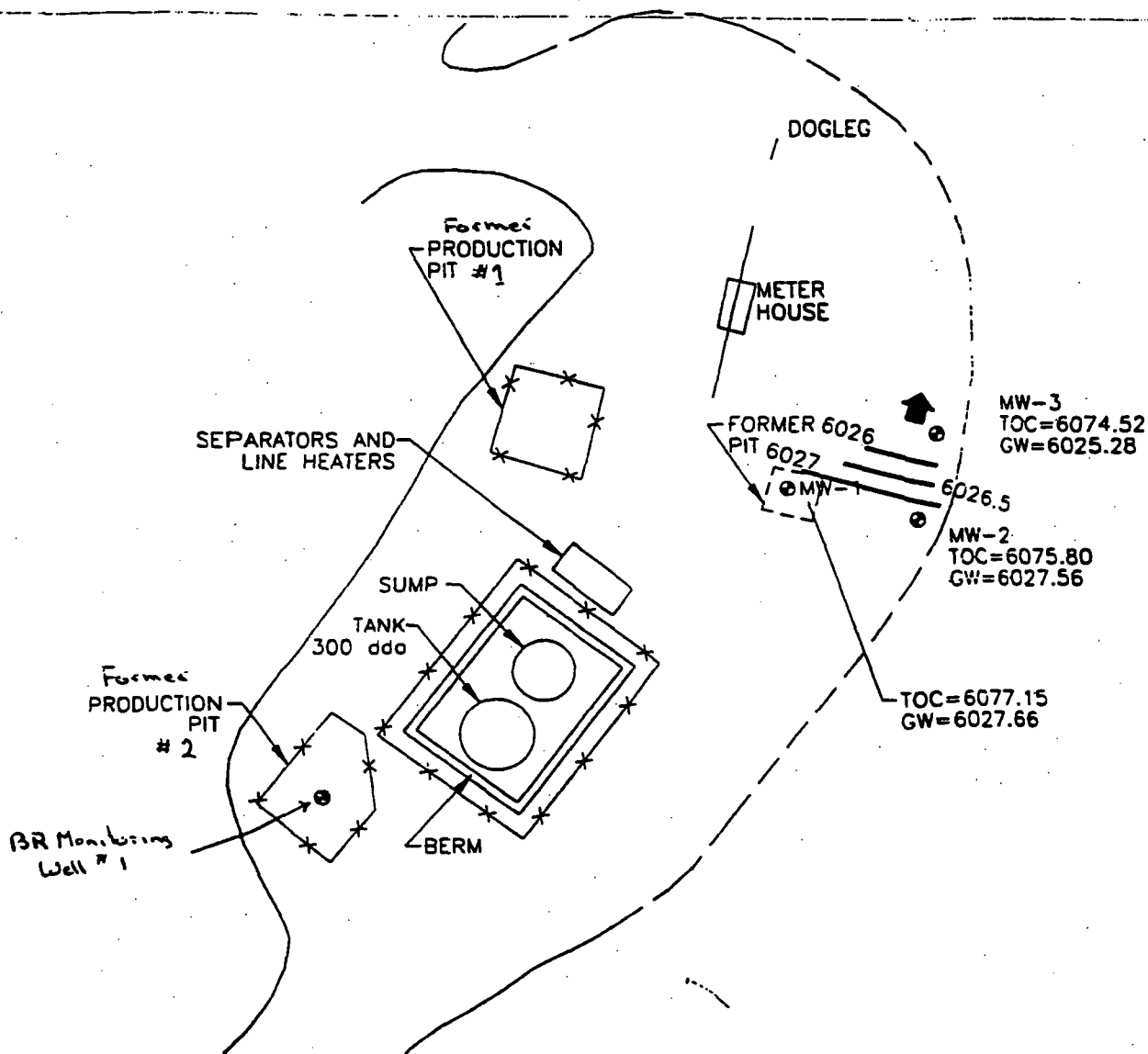
Prior to sampling at monitoring wells, depth to ground water and total depth of wells is measured with a Keck oil/water interface probe. Presence of any free-phase crude oil is also investigated using the interface probe. The interface probe is decontaminated with Alconox™ soap and rinsed with de-ionized water prior to each measurement. The volume of water in the wells is calculated, and a minimum of three casing volumes of water is purged from each well using a disposable bailer or a permanent decontaminated PVC bailer. As water is removed, pH, electric conductivity and temperature are monitored. Wells are purged until these properties stabilize, indicating that the purge water is representative of aquifer conditions. Stabilization is defined as three consecutive stable readings for each water property (± 0.4 units for pH, ± 10 percent for electric conductivity and $\pm 2^\circ$ C for temperature). All purge water is disposed into tanks on site. Data is recorded on the attached *Well Development and Sampling Logs* (Attachment 2). Once each monitoring well is properly purged, groundwater samples are collected by filling at least two 40-milliliter (ml) glass vials. The pre-cleaned and pre-preserved (with hydrochloric acid or mercuric chloride) vials are filled and capped with no air inside to prevent

Figure 1: Site Map of Johnston Federal #4



BURLINGTON RESOURCES < San Juan >	
Johnston Federal # 4 Sec 33 -3 1N - 9W Monitoring Well Location	
Transverse Mercator UTM - 1827 ; Zone 13	19854
Prepared By: Gregg Wurtz	Date: 04/09/2003
File No: <Please enter file number>	Revised: <Revision date>
File Name: g:\public\johnston\map.apr	

Figure 1



LEGEND

- ⊙ MW-1 APPROXIMATE MONITORING WELL LOCATION AND NUMBER
- TOC TOP OF CASING ELEVATION
- GW - GROUNDWATER POTENTIOMETRIC SURFACE
- ➔ GROUNDWATER GRADIENT
- 25.0- GROUNDWATER POTENTIOMETRIC SURFACE



1752089-003



TITLE:

JOHNSTON FEDERAL NO. 4

METER 70194

2/23/99

(BR Mod. P. ed)
3/22/00

DWG:	DES.:	PROJECT NO.:
TMM	CC	EPFS GW PI
CHKD:	APPD:	
CC		
DATE:	REV.:	
3/22/99	0	

FIGURE

Figure 2: Graphical Presentation of Product Thickness in MW-1 over Time

Product Thickness in MW-1

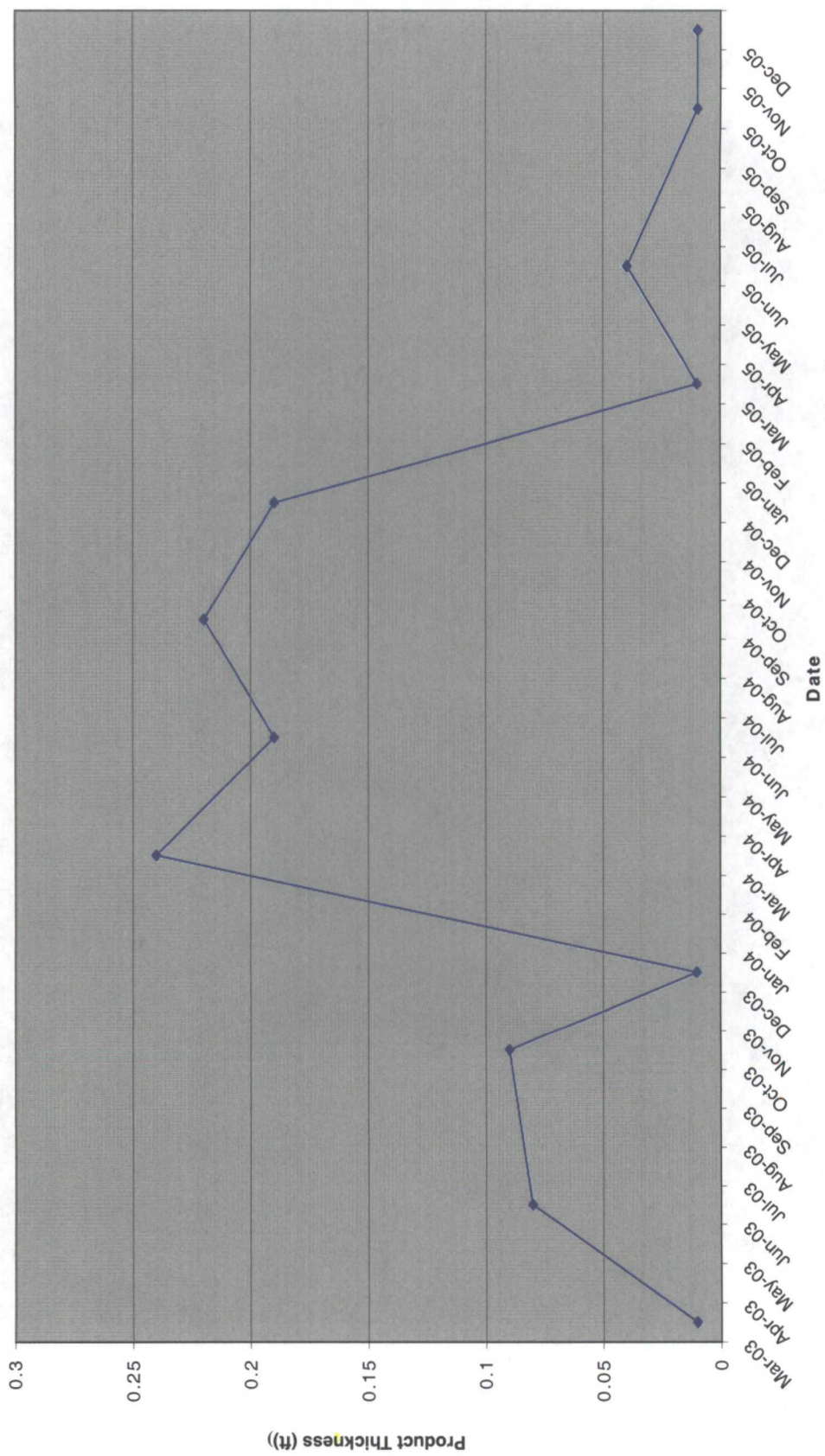


Table 1: Ground Water Sampling Results

Ground Water Analytical Results
Johnston Federal #4
MW-1

Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	BTEX (ppb)	DTW (ft)	Product Thickness (ft)
NMWQCC Standards	10	750	750	620	50		-
5/25/1999	8700	2900	2800	2900	43400		-
9/1/1999	Free Phase Product Detected - No Sample Collected					47.02	0.005
12/1/1999	4700	1300	900	10000	16900	46.96	-
1/18/2000	3600	820	840	7500	12760	44.05	-
5/17/2000	6900	1100	1500	17000	26500	46.90	-
9/8/2000	4600	620	930	10000	16150	46.91	-
12/20/2000	<0.2	0.5	34	61	95.5	46.88	-
3/27/2001	5430	641	991	9830	16892		-
6/27/2001	5870	900	990	10400	18160	47.05	-
9/17/2001	5910	750	980	10700	18340	46.93	-
12/19/2001	7200	650	1020	11300	20170	46.97	-
3/25/2002	5520	830	1190	10500	18040	46.99	-
6/26/2002	516	66.2	78.7	863	1523.9	47.01	-
9/24/2002	5310	8000	880	13960	28150	46.98	-
12/30/2002	7660	10200	760	14140	32760	47.4	-
3/27/2003	Free Phase Product Detected - No Sample Collected						0.01
6/27/2003	Free Phase Product Detected - No Sample Collected						0.08
10/10/2003	Free Phase Product Detected - No Sample Collected						0.09
12/10/2003	Free Phase Product Detected - No Sample Collected						0.01
3/16/2004	Free Phase Product Detected - No Sample Collected					47.28	0.24
6/22/2004	6160	8100	470	15840	30570	47.06	0.19
9/30/2004	Free Phase Product Detected - No Sample Collected					47.24	0.22
12/13/2004	Free Phase Product Detected - No Sample Collected					47.14	0.19
3/23/2005	Free Phase Product Detected - No Sample Collected					46.91	0.01
6/22/2005	Free Phase Product Detected - No Sample Collected					46.93	0.04
10/28/2005	Free Phase Product Detected - No Sample Collected					46.87	0.01
12/14/2005	Free Phase Product Detected - No Sample Collected					46.72	0.01
3/20/2006	3170	3740	1060	30130	38100	46.75	0.01
6/21/2006	4900	3280	448	2390	10910	46.84	0.01
10/20/2006	Free Phase Product Detected - No Sample Collected					46.89	0.09
12/13/2006	5300	7220	870	15450	28840	46.92	0.01

Notes:

DTW is Depth to Water measured from top of well casing

Attachment 1: Drilling Log and Wellbore Diagrams

ICE II

Per DD, Arco, NM 88211

ICE III

Brazer Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORTOperator: Buckington Resources Telephone: (505) 326-9700Address: 3535 E. 30th Farmington NM 87402Utility or: Johnston Federal #4 (Metering Location) Pit # 9
Well NameLocation: Unit or Qtr/Qtr sec H sec 27 T 31N R 9W county San JuanType: Separator X Dehydrator Other Land Type: BLM X, State , Fee , Other Location: Pit dimensions: length 19', width 12', depth 4'
(attach diagram)Reference: wellhead , other DuglegFootage from reference: 81.5'Direction from reference: 55 Degrees East North
of
X West South X

Distance To Ground Water:

Vertical distance from
contaminants to seasonal
high water elevation of
ground water)Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 20

Wellhead Protection Area:

Less than 200 feet from a private
domestic water source, or; less than
100 feet from all other water sources)Yes (20 points)
No (0 points) 0

Distance To Surface Water:

Horizontal distance to perennial
rivers, ponds, rivers, streams, creeks,
irrigation canals and ditches)Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0RANKING SCORE (TOTAL POINTS): 20



PRODUCTION PIT ASSESSMENT FORM

WELL NAME:

JOHNSTON FEDERAL

WELL NUMBER:

4

DP NO:

NO. NAME: B154

OPERATOR NAME:

BURLINGTON RESOURCES

PIL DISTRICT:

COORDINATES:

TOWNSHIP 31N

RANGE 9W

SECTION 27

LETTER H

PIT TYPE:

DEHYDRATOR ☐

SEPARATOR ☐

BLOW PIT ☐

OTHER:

CATHODIC PROTECTION WELL:

☐ YES ☒ NO

UNKNOWN

SITE ASSESSMENT DATE:

8/10/98

MOI FOREMAN NO.

AREA:

NMOCD ZONE: (from NMOCD Maps):

Inside ☒

Outside ☐

LAND TYPE:

BLM ☒ (1)

STATE ☐ (2)

FEE ☐ (3)

INDIAN:

DEPTH TO GROUNDWATER:

LESS THAN 50 FT (1) ☒ (20 POINTS)

50 FT TO 99 FT (2) ☐ (10 POINTS)

GREATER THAN 100 FT (3) ☐ (0 POINTS)

WELLHEAD PROTECTION AREA: Is it less than 1,000 feet from wells, springs, or other sources of fresh water extraction?, or, is it less than 200 ft from a private domestic water source (or 1,000' on Navajo surface)?

YES ☐ (20 POINTS)

NO ☒ (0 POINTS)

HORIZONTAL DISTANCE TO SURFACE WATER BODY:

LESS THAN 200 FT (1) ☐ (20 POINTS)

200 FT TO 1,000 FT (2) ☐ (10 POINTS)

GREATER THAN 1,000 FT (3) ☒ (0 POINTS)

NAME OF SURFACE WATER BODY

SURFACE WATER BODY: PERENNIAL RIVERS, STREAMS, CREEKS, IRRIGATION CANALS, DITCHES, LAKES, PONDS

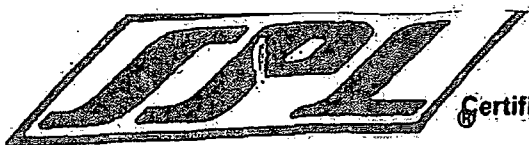
DISTANCE TO NEAREST EPHEMERAL STREAM

(1) ☐ <100 FEET (NAVAJO PITS ONLY)

(2) ☐ >100 FEET

TOTAL HAZARD RANKING SCORE: 20 POINTS

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100



Certificate of Analysis No. 9803038-02

FARMINGTON LABORATORY

807 S. CARLTON
FARMINGTON, NM 87499-1289
(505) 326-2588

Philip Environmental Services

4000 Monroe Road

Farmington, NM 87401

Attn: Cory Chance

Date: 08/17/98

Project: BR Misc.

Project No: 19074

Site: Johnston Fed. #4, Pit #1

Matrix: Soil

Sampled By: Holly Bradbury

Date Sampled: 08/10/98

Sample ID: BR8B1541AV

Date Received: 08/11/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	1.2	0.1 (P)	mg/kg
Surrogate	% Recovery		
1,4-Difluorobenzene	147		
4-Bromofluorobenzene	310MI		
Method 8015B*** for Gasoline			
Analyzed by: AA			
Date: 08/12/98			
Total Petroleum Hydrocarbons-Diesel	ND	10 (P)	mg/kg
Surrogate	% Recovery		
n-Pentacosane	118		
Method 8015B*** for Diesel			
Analyzed by: RR			
Date: 08/14/98			

ND-Not Detected

MI-Matrix Interference

(P)-Practical Quantitation Limit

Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

Billy G. Rich, Lab Director

Pit Remediation and Closure Reports (Pit #2)

Office 1
Jan 1980, Hobbs, NM
Office 2
Drawer DD, Artesia, NM 87211
Office 3
U.S. Highway 18, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Burkington Resources Telephone: (505) 326-9700

Address: 3535 E. 30th Farmington NM 87402

Facility or: Johnston Federal #4 (Measuring Location) Pit # 2
Well Name

Location: Unit or Qtr/Qtr sec 14 sec 27 T 31N R 9W County San Juan

Well Type: Separator Dehydrator other Tank Drain

Land Type: ELM X, State , Fee , Other

Well Location: Pit dimensions: length 21, width 20, depth 3
(Attach diagram)

Reference: wellhead , other Angle

Footage from reference: 173'

Direction from reference: 45 Degrees East North
of
X West South X

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 20

Wellhead Protection Area:

Less than 200 feet from a private
domestic water source, or; less than
200 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20



PRODUCTION PIT ASSESSMENT FORM

WELL NAME: JOHNSTON FEDERAL WELL NUMBER: 4 OP NO.: 6134
WIDE NAME: 6134

OPERATOR NAME: BURLINGTON RESOURCES PIL DISTRICT:

COORDINATES: TOWNSHIP 31N RANGE 9W SECTION 27 LETTER H

PIT TYPE: DEHYDRATOR ☐ SEPARATOR ☐ BLOW PIT ☐ OTHER: UNKNOWN
CATHODIC PROTECTION WELL: ☐ YES ☒ NO

SITE ASSESSMENT DATE: 8/10/98 MOI FOREMAN NO. AREA:

NMOCD ZONE: (from NMOCD Maps): Inside ☒ Outside ☐

LAND TYPE: BLM ☒ (1) STATE ☐ (2) FEE ☐ (3) INDIAN:

DEPTH TO GROUNDWATER: LESS THAN 50 FT (1) ☒ (20 POINTS)
50 FT TO 99 FT (2) ☐ (10 POINTS)
GREATER THAN 100 FT (3) ☐ (0 POINTS)

WELLHEAD PROTECTION AREA: Is it less than 1,000 feet from wells, springs, or other sources of fresh water extraction?, or; is it less than 200 ft from a private domestic water source (or 1,000' on Navajo surface)?

YES ☐ (20 POINTS) NO ☒ (0 POINTS)

HORIZONTAL DISTANCE TO SURFACE WATER BODY: LESS THAN 200 FT (1) ☐ (20 POINTS)
200 FT TO 1,000 FT (2) ☐ (10 POINTS)
GREATER THAN 1,000 FT (3) ☒ (0 POINTS)

NAME OF SURFACE WATER BODY _____

SURFACE WATER BODY: PERENNIAL RIVERS, STREAMS, CREEKS, IRRIGATION CANALS, DITCHES, LAKES, PONDS

DISTANCE TO NEAREST EPHEMERAL STREAM (1) ☐ <100 FEET (NAVAJO PITS ONLY)
(2) ☐ >100 FEET

TOTAL HAZARD RANKING SCORE: 20 POINTS



Certificate of Analysis No. 9803038-03a

FARMINGTON LABORATORY

807 S. CARLTON
FARMINGTON, NM 87499-1289
(505) 326-2588Philip Environmental Services
4000 Monroe Road
Farmington, NM 87401
Attn: Cory Chance

Date: 08/17/98

Project: BR Misc.
Site: Johnston Fed #4, Plt #2
Sampled By: Holly Bradbury
Sample ID: BR8B1541BVProject No: 19074
Matrix: Soil
Date Sampled: 08/10/98
Date Received: 08/11/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	81000	5000 (P)	µg/Kg
Toluene	41000	5000 (P)	µg/Kg
Ethylbenzene	85000	5000 (P)	µg/Kg
Total Xylene	780000	5000 (P)	µg/Kg
Total Volatile Aromatic Hydrocarbons	987000		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

120

4-Bromofluorobenzene

193MI

Method 8020A***

Analyzed by: AA

Date: 08/13/98

ND-Not Detected

MI-Matrix Interference

(P)-Practical Quantitation Limit

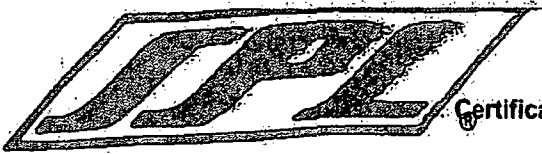
Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

Billy G. Rich, Lab Director



Certificate of Analysis No. 9803038-03b

FARMINGTON LABORATORY

807 S. CARLTON
FARMINGTON, NM 87401-1289
(505) 328-2588Philip Environmental Services
4000 Monroe Road
Farmington, NM 87401
Attn: Cory Chance

Date: 08/17/98

Project: BR Misc.
Site: Johnston Fed #4, Pit #2
Sampled By: Holly Bradbury
Sample ID: BR8B1541BVProject No: 19074
Matrix: Soil
Date Sampled: 08/10/98
Date Received: 08/11/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	17000	1000 (P)	mg/kg
Surrogate	% Recovery		
1,4-Difluorobenzene	123		
4-Bromofluorobenzene	367MI		
Method 8015B*** for Gasoline			
Analyzed by: AA			
Date: 08/13/98			
Total Petroleum Hydrocarbons-Diesel	2700	200 (P)	mg/kg
Surrogate	% Recovery		
n-Pentacosane	D		
Method 8015B*** for Diesel			
Analyzed by: RR			
Date: 08/14/98			

MI Matrix Interference (P)-Practical Quantitation Limit D-Diluted, limits not applicable.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

Comments: Sample contains petroleum hydrocarbons from C10 - C24 that do not resemble a diesel pattern. (C10 - C24) RR.

Billy G. Rich, Lab Director



PRODUCTION PIT REMEDIATION FORM

WELL NAME: Johnson Rd #4 WELL No.: _____ DP No.: _____
OPERATOR NAME: Burlington Resources P/L DISTRICT: _____
COORDINATES: LETTER: 14 SECTION: 27 TOWNSHIP: 31N RANGE: 9W
PIT TYPE: DEHYDRATOR: _____ LOCATION DRIP: _____ LINE DRIP: _____ OTHER: X
TANK DRAIN PIT
FOREMAN No.: GARY OSBORNE AREA: Arter

INITIAL REMEDIATION ACTIVITIES

DATE: 12-17-98 TIME: _____

GROUND WATER ENCOUNTERED? ☐ Y / ☒ N

INSIDE NMOCD ZONE

FINAL EXCAVATION DIMENSIONS: LENGTH: 58 WIDTH: 45 DEPTH: 30

APPROX. CUBIC YARDS: 4,762 FINAL PID READING: 1967 ppm

REMEDICATION METHOD: ONSITE LANDFARM _____

OFFSITE LANDFARM X

LOCATION: Johnson Rd 22 R 4

OTHER _____

LANDFARM DIMENSIONS: LENGTH: _____ WIDTH: _____

OUTSIDE NMOCD ZONE

FINAL SAMPLE DEPTH: _____ FINAL PID READING: _____

EXCAVATION SAMPLING INFORMATION

IF PID READINGS ARE LESS THAN 100 PPM, SAMPLE TAKEN DURING EXCAVATION)

SAMPLE DATE: _____ SAMPLE NOS: _____

SAMPLE ANALYSIS: TPH METHOD 8015 MODIFIED

IF PID READINGS ARE GREATER THAN 100 PPM, NO SAMPLE WILL BE TAKEN DURING EXCAVATION.
THE EXCAVATION WILL BE SAMPLED PRIOR TO BACKFILLING (SEE ADDITIONAL SAMPLING SECTION).

REMARKS: Contaminated Soil 3,055 cu. yd
Clean Soil 1,647 cu. yd.

SIGNATURE: Pat Champion

DATE: 12/17/98



Certificate of Analysis No. 9812150-01a

807 S. CARLTON AVE
FARMINGTON, NEW MEXICO 87401
PHONE (505) 325-2588
FAX (505) 328-2875

Philip Environmental Services
4000 Monroe Road

Farmington, NM 87401

Attn: Robert Thompson

Date: 01/06/99

Project: BR Pits

Project No: 20440

Site: Farmington

Matrix: Soil

Sampled By: R. Thompson

Date Sampled: 12/28/98

Sample ID: 12281416 - BOTTOM

Date Received: 12/30/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	500 (P)	µg/Kg
Toluene	20000	500 (P)	µg/Kg
Ethylbenzene	8100	500 (P)	µg/Kg
Total Xylene	120000	500 (P)	µg/Kg
Total Volatile Aromatic Hydrocarbons	148100		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

160MI

Method 8020A***

Analyzed by: AA

Date: 01/05/99

ND-Not Detected

MI-Matrix Interference

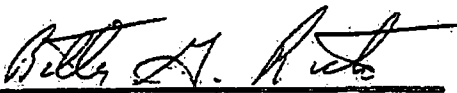
(P)-Practical Quantitation Limit

Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.


Billy G. Rich, Lab Director



© Certificate of Analysis No. 9812150-01b

807 B. CARLTON AVE.
FARMINGTON, NEW MEXICO 87401
PHONE (505) 326-2588
FAX (505) 326-2875

Philip Environmental Services

4000 Monroe Road

Farmington, NM 87401

Attn: Robert Thompson

Project: BR Pits

Site: Farmington

Sampled By: R. Thompson

Sample ID: 12281416 - BOTTOM

Date: 01/06/99

Project No: 20440

Matrix: Soil

Date Sampled: 12/28/98

Date Received: 12/30/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	2100	50 (P)	mg/kg
Surrogate	% Recovery		
1,4-Difluorobenzene	80		
4-Bromofluorobenzene	613MI		
Method 8015B*** for Gasoline			
Analyzed by: AA			
Date: 01/05/99			
Total Petroleum Hydrocarbons-Diesel	430	250 (P)	mg/kg
Surrogate	% Recovery		
n-Pentacosane	96		
Method 8015B*** for Diesel			
Analyzed by: RR			
Date: 01/04/99			

MI-Matrix Interference

(P)-Practical Quantitation Limit

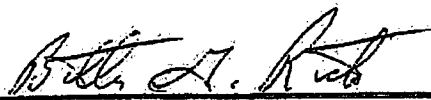
ND-Not Detected

Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.


Billy G. Rich, Lab Director



Certificate of Analysis No. 9812150-02a

807 S. CARLTON AVE.
FARMINGTON, NEW MEXICO 87401
PHONE (505) 326-2568
FAX (505) 326-2875

Philip Environmental Services

4000 Monroe Road

Farmington, NM 87401

Attn: Robert Thompson

Date: 01/06/99

Project: BR Pits

Project No: 20440

Site: Farmington

Matrix: Soil

Sampled By: R. Thompson

Date Sampled: 12/28/98

Sample ID: 12281410 - WAUS

Date Received: 12/30/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	500 (P)	µg/Kg
Toluene	6100	500 (P)	µg/Kg
Ethylbenzene	3400	500 (P)	µg/Kg
Total Xylene	75000	500 (P)	µg/Kg
Total Volatile Aromatic Hydrocarbons	84500		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

167MI

Method 8020A***

Analyzed by: AA

Date: 01/05/99

ND-Not Detected

MI-Matrix Interference

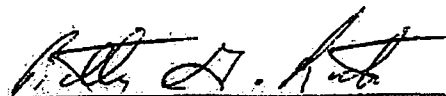
(P)-Practical Quantitation Limit

Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.


Billy G. Rich, Lab Director



Certificate of Analysis No. 9812150-02b

307 S. CARLTON AVE.
FARMINGTON, NEW MEXICO 87401
PHONE (505) 328-2588
FAX (505) 328-2873

Philip Environmental Services

4000 Monroe Road

Farmington, NM 87401

Attn: Robert Thompson

Date: 01/06/99

Project: BR Pits

Project No: 20440

Site: Farmington

Matrix: Soil

Sampled By: R. Thompson

Date Sampled: 12/28/98

Sample ID: 12281410 - WAUS

Date Received: 12/30/98

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	1600	50 (P)	mg/kg
Surrogate	% Recovery		
1,4-Difluorobenzene	87		
4-Bromofluorobenzene	667MI		
Method 8015B*** for Gasoline			
Analyzed by: AA			
Date: 01/05/99			
Total Petroleum Hydrocarbons-Diesel	250	50. (P)	mg/kg
Surrogate	% Recovery		
n-Pentacosane	92		
Method 8015B*** for Diesel			
Analyzed by: RR			
Date: 01/04/99			

MI-Matrix Interference

(P)-Practical Quantitation Limit

D-Diluted, limits not applicable

Notes:

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

**Ref: Standard Methods for Examination of Water & Wastewater, 18th Ed

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.


Billy G. Rich, Lab Director



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(618) 281-5120 FAX

COC Serial No. **G 3232**

Project Name DEPITS				Lab		Name SPL	
Project Number 20440		Phase, Task 1000.77		Location Falmington			
Samplers Paul Archuleta				Analysis Type			
Sample Number	Date	Time	Matrix	X	X		Comments
12281416	12-28-98	1416	Soil	TPH	DTA		PIV reading 1467 ppm
12281410	12-28-98	1410	Soil	TPH	DTA		PIV reading 2026 ppm
<div style="text-align: center;">V. 12/20/98</div>							

Relinquished by:

Received By:

Signature	Date	Time	Signature	Date	Time
<i>Robert J. [Signature]</i>	12/30/98	1333hrs	<i>T. [Signature]</i>	12/30/98	1333hrs

Carrier:	Airbill No.
Shipping and Lab Notes:	

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Moravia Road

Farmington, New Mexico 87401

(505) 326-2282 FAX (505) 326-2388

Borehole #

2

Well #

MW-BZ

Pogo

1 of 2

Project Name

Burlington

Project Number

21057

Phone

1000.99

Project Location

Johnson Fed #4

Elevation

Borehole Location

GWL Depth

43'

Logged By

P. Cheney

Drilled By

K. Padilla

Date/Time Started

5/13/99 0920

Date/Time Completed

5/13/99 1200

Well Logged By

P. Cheney

Personnel On-Site

Cheney, K. Padilla, A. Padilla

Contractors On-Site

Client Personnel On-Site

Ed Haseley

Drilling Method

4 1/4" ID HSA

Air Monitoring Method

PTD

Depth (Feet)	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (Feet)	Air Monitoring Unit: NDU 82 BH 9			Drilling Conditions & Blow Count
0			Pit has been excavated and back filled to 30' (Ed Haseley) First sample will be from 30'-32' back fill is a yellowish brown medium to coarse grained sand						
5									
10									
15									
20									
25									
30									
35	35	35-37	gray to dark gray clay. Approx 5-10% sand, soft, low plasticity, strong H ₂ S odor		30'	0.1	9.1	1064	BC = 5 S/H ₂ S = 1133
40			dark gray, fine grained clayey sand, strong H ₂ S odor			0.2	11.5	560	BC = 12 S/H ₂ S = 1103

Comments:

Geologist Signature

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2282 FAX (505) 326-2388

Bartholo B

Well ID

Page

2

NW-BZ

of 2

Project Name

Project Number

Project Location

Burton, Melon

2105Z Phase 1000-99

Johnston Fed #4

Well Logged By

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

P Cheney

P. Cheney, K. Padilla, A. Padilla

Ed Isely

Drilling Method

Air Monitoring Method

4 1/4" ID HSA

PID

Elevation

Borehole Location

GWL Depth

Logged By

Drilled By

Date/Time Started

Date/Time Completed

P. Cheney

K. Padilla

5/13/99 0920

5/13/99 1200

Depth (Feet)	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU			Drilling Parameters & Flow Control
40	40		light gray, fine to medium grained clayey sand. 5m			BZ	BN	S	
	42					1.6	5.0	1015	BC = 7 S/Hs = 291
45	45		gray, very coarse grained sand w/ 5% sm. gravel. Strong odor, approx 2 ft, yellowish brown consolidated sand at 47'			6.2		946	BC = 36 S/Hs = 252
50	50		gray, fine to medium grained sand. 2-5% black mineral grains well consolidated			0.3		77	BC = 50 (7") S/Hs = 141
52	52								
55			TP = 50' set screen 35-50						
20									
25									
30									
35									
40									

Comments:

Materials: 1 silt trap, 1-10' screen, 1-5' screen, 4-10' risers, 1-5' risers
7 sacks silica sand

Geologist Signature

ORING WELL INSTALLATION RECORD

Environmental Services Corp.

Box Road

New Mexico 87401

262 FAX (505) 326-2388

Borehole # 1
Well # MW-B1
Page 1 of 1

Project Name Surveillance Drilling

Project Number 21057 Phase POD-99

Project Location Johnson Federal Hwy

On-Site Geologist P. Cheney

Personnel On-Site K. Padilla J. Padilla

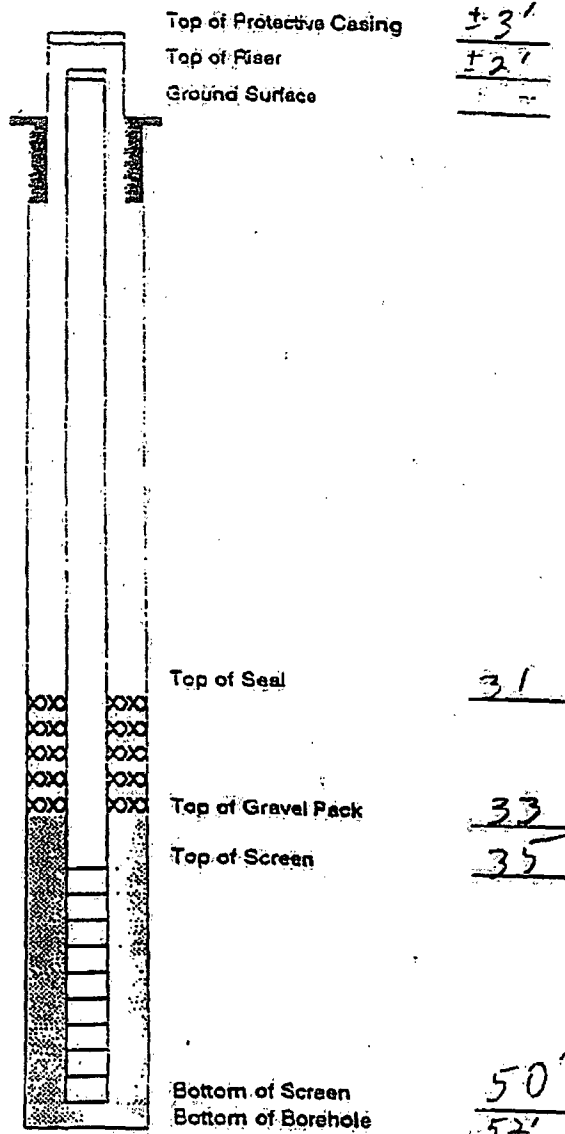
Contractors On-Site

Client Personnel On-Site Ed Hasely

ation _____
ith 42'
By K. Padilla
D. Padilla
Started 5/13/99 1300
Completed 6/14/99 1300

in Reference to Ground Surface

	Material	Depth
Protective Casing		
m of Protective Casing		
Permanent Borehole		
m of Permanent Borehole		
Concrete		
m of Concrete		
GROUT		
m of GROUT		
Well Riser		
m of Well Riser		
Well Screen		
m of Well Screen		
Peltonite Seal		
m of Peltonite Seal		
Gravel Pack		
m of Gravel Pack		
Natural Cave-In		
m of Natural Cave-In		
Groundwater		
Depth of Borehole		



Geologist Signature

Paul Cheney for Paul Cheney

Attachment 2: Ground Water Monitoring Well Development and Sampling Logs

WELL DEVELOPMENT AND SAMPLING LOG



Project No 30003.0 Project Name BR Groundwater Sampling Client: Burlington

Location: Johnson Federal 4 Well No: MW-1 Development Sampling
 Project Manager MJN Date 032106 Start Time 1452 Weather clear 50s
 Depth to Water 46.74 Depth to Product na Product Thickness: na Measuring Point TOC
 Water Column Height 3.16 Well Dia. 2"

Sampling Method: Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other ☐

Bottom Valve Bailer ☒ Double Check Valve Bailer ☐ Stainless-Steel Kemmerer ☐

Criteria: 3 to 5 Casing Volumes of Water Removal ☒ stabilization of Indicator Parameters ☒ Other or bail dry

Gal/ft x ft of water	Water Volume in Well		Gal/oz to be removed
	Gallons	Ounces	
3.16 x .16	0.51		1.51

Time (military)	pH (su)	SC (umhos/cm)	Temp (°F)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. (gal)	Comments/ Flow rate
1501	6.89	2750	60.3				.25	clear, HC odor
	6.88	2750	59.0				.5	grey, HC odor, sheen
	6.89	2800	58.8				.75	grey, HC odor, sheen
	6.90	2850	58.2				1	grey, HC odor, sheen
	6.92	2850	58.0				1.25	grey, HC odor, sheen
	6.91	2840	57.5				1.5	grey, HC odor, sheen
1510	6.95	2850	57.1				1.75	grey, HC odor, sheen

Final: Time	pH	SC	Temp	Eh-ORP	D.O.	Turbidity	Ferrous Iron	Vol Evac.	Comments/Flow Rate
1510	6.95	2850	57.1					1.75	grey, HC odor, sheen

COMMENTS

INSTRUMENTATION: pH Meter ☒ _____ Temperature Meter ☒
 DO Monitor _____ Other _____
 Conductivity Meter ☒ _____
 Water Disposal onsite Sample ID Johnson Federal 4 MW-1 Sample Time 1512
 Analysis: BTEX
 MS/MSD _____ BD _____ BD Name/Time _____ TB _____

WELL DEVELOPMENT AND SAMPLING LOG



Project No 30003.0 Project Name BR Groundwater Sampling Client: Burlington

Location: Johnson Federal 4 Well No: MW-1 Development Sampling
 Project Manager MJN Date 062106 Start Time 1434 Weather clear
 Depth to Water 46.84 Depth to Product na Product Thickness: na Measuring Point TOC
 Water Column Height 5.06 Well Dia. 2"

Sampling Method: Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other ☐

Bottom Valve Bailer ☒ Double Check Valve Bailer ☐ Stainless-Steel Kemmerer ☐

Criteria: 3 to 5 Casing Volumes of Water Removal ☒ stabilization of Indicator Parameters ☒ Other or bail dry

Gal/ft x ft of water	Water Volume in Well		Gal/oz to be removed
	Gallons	Ounces	
5.06 x .16	0.81		2.43

Time (military)	pH (su)	SC (umhos/cm)	Temp (°F)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. (gal)	Comments/ Flow rate
1434	7.09	1530	68.5				.25	clear, HC odor
	7.09	1450	66.0				.75	clear, HC odor
	7.10	1430	65.3				1	clear, HC odor
	7.10	1410	64.8				1.5	clear, HC odor
	7.10	1400	64.5				2	grey, HC odor, sheen
	7.12	1410	64.3				2.25	grey, HC odor, sheen
1449	7.12	1420	64.6				2.5	grey, HC odor, sheen

Final: Time	pH	SC	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comments/Flow Rate
1449	7.12	1420	64.6				2.5	grey, HC odor, sheen

COMMENTS

INSTRUMENTATION: pH Meter ☒ _____ Temperature Meter ☒
 DO Monitor _____ Other _____
 Conductivity Meter ☒ _____
 Water Disposal onsite Sample ID Johnson Federal 4 MW-1 Sample Time 1451
 Analysis: BTEX
 MS/MSD _____ BD _____ BD Name/Time _____ TB _____

WATER LEVEL DATA

Project Name	XTO Ground Water	Well Name	Johnston Federal 4
Project Manager	<u>MJN</u>		
Client Company	<u>MWH</u>	Date	<u>10/20/06</u>

Location	Well	Date	Depth to Product (ft)	Depth to Water (ft)	Total Depth (ft)	Comments
Johnston Federal #4	MW-1	10/22/06	46.80	46.89	0.09	Bailed off 4 oz of product

Comments

Did not install sock, will let well sit.

Signature: Martin Nee Date: 10/20/06

WELL DEVELOPMENT AND SAMPLING LOG

Project No _____ Project Name Burlington Ground Water Sampling Client: Burlington
 Location: Johnston Federal 4 Well No: MW-1 Development **Sampling**
 Project Manager MJN Date 12/13/06 Start Time 0845 Weather clear 19
 Depth to Water 46.92 Depth to Product 46.82 Product Thickness: 0.10 Measuring Point TOC
 Water Column Height 6' Well Dia. 2"

Sampling Method: Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other ☐

Bottom Valve Bailer ☒ Double Check Valve Bailer ☐ Stainless-Steel Kemmerer ☐

Criteria: 3 to 5 Casing Volumes of Water Removal ☒ stabilization of Indicator Parameters ☒ Other or bail dry

Gal/ft x ft of water	Water Volume in Well		Gal/oz to be removed
	Gallons	Ounces	
6 x .16	0.96 x 3	122.9 x 3	368.6

Time (military)	pH (su)	SC (umhos/cm)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. (oz)	Comments/ Flow rate
0900	5.96	3420	53.1				32	clear, product bubbles, sheen, strong odor
	5.92	4390	52.5				64	
	5.90	3980	52.0				96	
	5.92	3880	51.1				128	
	5.98	4000	51.2				256	
	5.99	4010	51.0				320	

Final:	pH	SC	Temp	Eh-ORP	D.O.	Turbidity	Ferrous Iron	Vol Evac.	Comments/Flow-Rate
0936	5.98	4050	51.1					384 oz	still appears to have some product

COMMENTS: could not eliminate air bubbles from voas. Rinsed preservative, but still contains bubbles, probably from presence of product. Added a sock to well before leaving.

INSTRUMENTATION: pH Meter ☒ _____ Temperature Meter ☒
 DO Monitor _____ Other _____
 Conductivity Meter ☒ _____
 Water Disposal onsite Sample ID Johnston Federal 4 MW-1 Sample Time 0938
BTEX VOCs Diesel
 MS/MSD _____ BD _____ BD Name/Time _____ TB 12122006TB01

Attachment 3: Laboratory Analytical Results

March 31, 2006

Report to:

Gregg Wurtz
Burlington Resources, Inc.
3401 E. 30th St. P.O. Box 4289
Farmington, NM 87499

Bill to:

Gregg Wurtz
Burlington Resources, Inc.
P.O. Box 4289
Farmington, NM 87499

cc: Martin Nee

Project ID: JOHNSON FEDERAL

ACZ Project ID: L55782

Gregg Wurtz:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 23, 2006. This project has been assigned to ACZ's project number, L55782. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 11.0. The enclosed results relate only to the samples received under L55782. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 30, 2006. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

31/Mar/06

Sue Webber, Project Manager, has reviewed and approved this report in its entirety.



Burlington Resources, Inc.

Project ID: JOHNSON FEDERAL

Sample ID: JOHNSON FEDERAL MW-1

ACZ Sample ID: **L55782-01**

Date Sampled: 03/20/06 15:12

Date Received: 03/23/06

Sample Matrix: Ground Water

Benzene, Toluene, Ethylbenzene & XyleneAnalysis Method: **M8021B GC/PID**Extract Method: **Method**Workgroup: **WG204013**Analyst: *km*

Extract Date: 03/27/06 19:27

Analysis Date: **03/27/06 19:27**

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	000071-43-2	3170		100	*	ug/L	30	100
Ethylbenzene	000100-41-4	1060		100		ug/L	20	100
m p Xylene	01330 20 7	23700		100		ug/L	40	200
o Xylene	00095-47- 6	6430		100		ug/L	20	100
Toluene	000108-88-3	3740		100		ug/L	20	100

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Bromofluorobenzene	000460-00-4	81.2		100	*	%	83	117

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>LCL</i>	Lower Control Limit
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>UCL</i>	Upper Control Limit
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

B	Analyte detected in daily blank
H	Analysis exceeded method hold time.
J	Analyte concentration detected at a value between MDL and PQL
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	Analyte was analyzed for but not detected at the indicated MDL
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
W	Poor recovery for Silver quality control is accepted because Silver often precipitates with Chloride.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.
P	Analyte concentration differs from second detector by more than 40%.
E	Analyte concentration is estimated due to result exceeding calibration range.
M	Analyte concentration is estimated due to matrix interferences.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
- (3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December, 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Organic analyses are reported on an "as received" basis.

Burlington Resources, Inc.

ACZ Project ID: **L55782**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L55782-01	WG204013	Benzene	M8021B GC/PID	V8	Calibration verification-recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
		Bromofluorobenzene	M8021B GC/PID	S5	Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

Burlington Resources, Inc.

ACZ Project ID: **L55782**

No certification qualifiers associated with this analysis

Burlington Resources, Inc.
JOHNSON FEDERALACZ Project ID: L55782
Date Received: 3/23/2006
Received By:
Date Printed: 3/23/2006**Receipt Verification**

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
X		
		X
X		
X		
X		
X		
X		
		X
		X
X		
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
293	8.5	14

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Burlington Resources, Inc.
JOHNSON FEDERALACZ Project ID: L55782
Date Received: 3/23/2006
Received By:**Sample Container Preservation**

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L55782-01	JOHNSON FEDERAL MW-1									X		<input type="checkbox"/>

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: _____

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of
CUSTODY

Report to:

Name: Gregg Wurtz
Company: Burlington
E-mail:

Address: PO 4289
Farmington NM 87499
Telephone: 505 326 9537

Copy of Report to:

Name: M Nee
Company: Lodester Services

E-mail: MJN@lodester-services.com
Telephone: 505 334-2791

Invoice to:

Name: Gregg Wurtz
Company: AS Above
E-mail:

Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:
Project/PO #: Johnson Federal
Shipping Co.: Fed Ex
Tracking #: 847982592640
Reporting State for compliance testing: NM
Sample M Nee

of Containers

BTX

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

Johnson Federal 32006 1512 GW

2 2

Matrix

SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

PAGE

[Signature] 32006 1512

CEG

3-23-06 10:00

Of

July 12, 2006

Report to:

Gregg Wurtz
Burlington Resources, Inc.
3401 E. 30th St. P.O. Box 4289
Farmington, NM 87499

Bill to:

Gregg Wurtz
Burlington Resources, Inc.
P.O. Box 4289
Farmington, NM 87499

cc: Martin Nee

Project ID: JOHNSTON FEDERAL #4

ACZ Project ID: L57332

Gregg Wurtz:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 23, 2006. This project has been assigned to ACZ's project number, L57332. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 11.0. The enclosed results relate only to the samples received under L57332. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 12, 2006. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

12/Jul/06

Sue Webber, Project Manager, has reviewed and approved this report in its entirety.



Burlington Resources, Inc.

Project ID: JOHNSTON FEDERAL #4
Sample ID: JOHNSTON FEDERAL MW

ACZ Sample ID: **L57332-01**
Date Sampled: 06/21/06 14:51
Date Received: 06/23/06
Sample Matrix: Ground Water

Benzene, Toluene, Ethylbenzene & Xylene

Analysis Method: **M8021B GC/PID**
Extract Method:

Workgroup: **WG209185**
Analyst: *ccp*
Extract Date:
Analysis Date: **07/07/06 18:52**

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Ethylbenzene	100-41-4	448	H	25	*	ug/L	5	30
o Xylene	95-47-6	2390	H	25	*	ug/L	5	30
Toluene	108-88-3	3280	H	25	*	ug/L	5	30

Surrogate Recoveries	CAS	% Recovery	Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	106.2	25		%	83	117

Workgroup: **WG209258**
Analyst: *ccp*
Extract Date:
Analysis Date: **07/10/06 15:37**

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2	4900	H	50	*	ug/L	20	50
m p Xylene	1330 20 7	8520	H	50	*	ug/L	20	100

Surrogate Recoveries	CAS	% Recovery	Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	97.3	50	*	%	83	117

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>LCL</i>	Lower Control Limit
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>UCL</i>	Upper Control Limit
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

B	Analyte detected in daily blank
H	Analysis exceeded method hold time.
J	Analyte concentration detected at a value between MDL and PQL
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	Analyte was analyzed for but not detected at the indicated MDL
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
W	Poor recovery for Silver quality control is accepted because Silver often precipitates with Chloride.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.
P	Analyte concentration differs from second detector by more than 40%.
E	Analyte concentration is estimated due to result exceeding calibration range.
M	Analyte concentration is estimated due to matrix interferences.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
- (3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December, 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Organic analyses are reported on an "as received" basis.

Burlington Resources, Inc.

ACZ Project ID: **L57332**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L57332-01	WG209185	Ethylbenzene	M8021B GC/PID	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
		o Xylene	M8021B GC/PID	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
		Toluene	M8021B GC/PID	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
	WG209258	*All Compounds*	M8021B GC/PID	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
		Benzene	M8021B GC/PID	V8	Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
		m p Xylene	M8021B GC/PID	M2	Matrix spike recovery was low, the method control sample recovery was acceptable.

Burlington Resources, Inc.

ACZ Project ID: **L57332**

No certification qualifiers associated with this analysis

Burlington Resources, Inc.
JOHNSTON FEDERAL #4ACZ Project ID: L57332
Date Received: 6/23/2006
Received By:
Date Printed: 6/23/2006**Receipt Verification**

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
X		
		X
X		
X		
X		
X		
X		
		X
		X
X		
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1410	0.5	17

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Burlington Resources, Inc.
JOHNSTON FEDERAL #4ACZ Project ID: L57332
Date Received: 6/23/2006
Received By:**Sample Container Preservation**

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L57332-01	JOHNSTON FEDERAL MW1									X		<input type="checkbox"/>

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: _____

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Gregg Wurtz
Company: Burlington
E-mail: _____

Address: P.O. Box 4289
Farmingdale, N.Y. 11737
Telephone: 516-326-9537

Copy of Report to:

Name: M. Lee

Company: _____

E-mail: ~~W~~W@lodestar.services.com
Telephone: 505-334-2791

Invoice to:

Name: Gregg Wentz
Company: AS ABOVE
E-mail: _____

Address: _____

 Telephone: _____

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

As indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:
Project/PO #: Johnston Federal #4
Reporting state for compliance testing: N.H.
Sampler's Name:
Are any samples NRC licensable material?

of Containers
37EX

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

Johnston Federn	MW-	62106	1451
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[illegible]

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Fed Ex 847982594263

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

12206 1600	62300103
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January 05, 2007

Report to:

Gregg Wurtz
Burlington Resources, Inc.
3401 E. 30th St. P.O. Box 4289
Farmington, NM 87499

Bill to:

Gregg Wurtz
Burlington Resources, Inc.
P.O. Box 4289
Farmington, NM 87499

cc: Martin Nee

Project ID: JOHNSTON FEDERAL 4

ACZ Project ID: L60375

Gregg Wurtz:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 14, 2006. This project has been assigned to ACZ's project number, L60375. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 11.0. The enclosed results relate only to the samples received under L60375. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 05, 2007. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

05/Jan/07

Sue Webber, Project Manager, has reviewed and approved this report in its entirety.



Burlington Resources, Inc.

Project ID: JOHNSTON FEDERAL 4
Sample ID: JOHNSTON FEDERAL 4 M

ACZ Sample ID: **L60375-01**
Date Sampled: 12/13/06 9:38
Date Received: 12/14/06
Sample Matrix: Ground Water

Benzene, Toluene, Ethylbenzene & Xylene

Analysis Method: **M8021B GC/PID**
Extract Method:

Workgroup: **WG218508**
Analyst: *ccp*
Extract Date:
Analysis Date: **12/22/06 18:10**

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2	5300		50	*	ug/L	20	50
Ethylbenzene	100-41-4	870		50	*	ug/L	10	50
m p Xylene	1330 20 7	12300		50	*	ug/L	20	100
o Xylene	95-47-6	3150		50	*	ug/L	10	50
Toluene	108-88-3	7220		50	*	ug/L	10	50

Surrogate Recoveries	CAS	% Recovery	Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	119.4	50	*	%	70	130

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>LCL</i>	Lower Control Limit
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>UCL</i>	Upper Control Limit
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

B	Analyte detected in daily blank
H	Analysis exceeded method hold time.
J	Analyte concentration detected at a value between MDL and PQL
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	Analyte was analyzed for but not detected at the indicated MDL
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
W	Poor recovery for Silver quality control is accepted because Silver often precipitates with Chloride.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.
P	Analyte concentration differs from second detector by more than 40%.
E	Analyte concentration is estimated due to result exceeding calibration range.
M	Analyte concentration is estimated due to matrix interferences.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
- (3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December, 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Organic analyses are reported on an "as received" basis.

Burlington Resources, Inc.

ACZ Project ID: **L60375**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L60375-01	WG218508	*All Compounds*	M8021B GC/PID	Q3	Sample received with improper chemical preservation.
			M8021B GC/PID	SA	Surrogate recovery was outside acceptance limits due to matrix interference.
		Benzene	M8021B GC/PID	V8	Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Burlington Resources, Inc.

ACZ Project ID: **L60375**

No certification qualifiers associated with this analysis

Burlington Resources, Inc.
JOHNSTON FEDERAL 4ACZ Project ID: L60375
Date Received: 12/14/2006
Received By:
Date Printed: 12/14/2006**Receipt Verification**

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
		X
		X
X		
X		
X		
X		
X		
X		
		X
		X
X		
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1244	5.9	22

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Burlington Resources, Inc.
JOHNSTON FEDERAL 4ACZ Project ID: L60375
Date Received: 12/14/2006
Received By:**Sample Container Preservation**

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L60375-01	JOHNSTON FEDERAL 4 M									X		<input type="checkbox"/>

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: _____



Laboratories, Inc.

L60375

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Gregg Wurtz
Company: Bellington Conoco Phillips
E-mail: gwurtz@PR-inc.com

Address: Box 4289
Farmington NM 87499
Telephone: 505 326 9537

Copy of Report to:

Name: M Nee
Company: Lodestar Services

E-mail: mjn@lodestarservices.com
Telephone: 505 334 2791

Invoice to:

Name: G Wurtz
Company: as above
E-mail:

Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:
Project/PO #: Johnston Federal 4
Reporting state for compliance testing:
Sampler's Name: ALA
Are any samples NRC licensable material?

of Containers

80213 BTEX

SAMPLE IDENTIFICATION DATE: TIME Matrix

Johnston Federal 4 MW 121306 0938 GW

3

✓

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

* vials contain air bubbles - could not eliminate 1/2 of product
No preservative
FedEx 847982594300

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE: TIME

RECEIVED BY:

DATE: TIME

Ashley F. Reger

121306 1530

MVS

12-14-06
11:06