

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-23020

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	BP America Production Company	Contact	Jeff Peace
Address	200 Energy Court, Farmington, NM 87410	Telephone No.	(505) 326-9279
Facility Name	Boyd Gas Com C #1	Facility Type	Active gas well

Surface Owner: John D. Brandenburg	Mineral Owner	Lease No. Fee
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	8	31.0N	10.0W					San Juan

Latitude 36.918156 Longitude -107.911840

NATURE OF RELEASE

Type of Release: Produced fluids, possible historical in nature	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: Below-grade tank or possibly abandoned earthen pit	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 07/20/06 - 2:15pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RCVD DEC 23 '11
OIL CONS. DIV.
DIST. 3

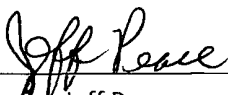
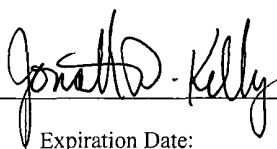
Describe Cause of Problem and Remedial Action Taken.*

BP hired construction crew to remove below-grade tank (bgt) in July 2006. Upon instructed task, a test hole was advanced and discolored, impacted soils were observed beneath bgt. Soil sampled, field screened, laboratory tested in July 2006. Since impact appeared to be limited to the bgt area and possibly historical in nature, no immediate remedial action was necessary.

Describe Area Affected and Cleanup Action Taken.*

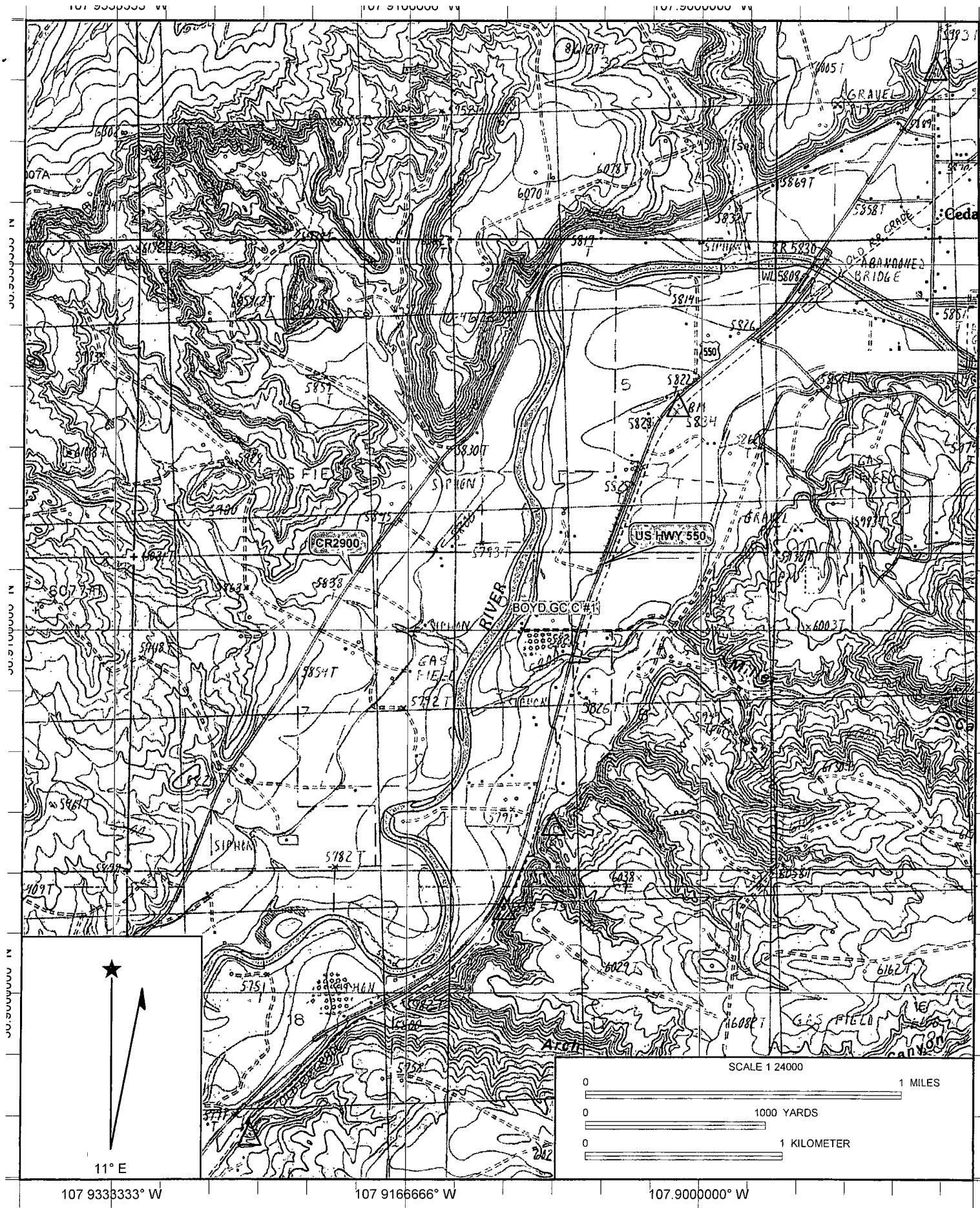
Investigation & excavation of impacted soils completed in October 2011 (see attached site map). Groundwater monitor well installed and sampled in October 2011 (analytical data attached). CLOSURE REQUESTED.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jeff Peace	Approved by District Supervisor: 	
Title: Environmental Advisor	Approval Date: 1/10/2012	Expiration Date:
E-mail Address: Peace.Jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: December 22, 2011	Phone: (505) 326-9479	

* Attach Additional Sheets If Necessary

nJK 1201049399



Name: CEDAR HILL
Date: 11/24/2007

Caption: Boyd GC C #1
Unit D, Sec. 8, T31N, R10W



Boyd GC C #1

Jnit D, Sec. 8, T31N, R10W

API #: 300-45-23020

feet
meters



36.918156°N / 107.911840°W or
36° 55' 5.36"N / 107° 54' 42.62"W

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: _____

COCR NO: HALL

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: BOYD GC C WELL #: 1 TYPE: SEP/DEHYDATE STARTED: 7/20/06QUAD/UNIT: D SEC: 8 TWP: 31N RNG: 10W PM: NM CNTY: SJ ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: 825'N 840'W NW NW CONTRACTOR: SIERRA (JEFF)ENVIRONMENTAL
SPECIALIST: NV

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____

DISPOSAL FACILITY: _____

REMEDIAL METHOD: _____

LAND USE: RANGELEASE: FEEFORMATION: PC

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 77 FT. 58W FROM WELLHEAD.DEPTH TO GROUNDWATER: <50'NEAREST WATER SOURCE: >1,000'NEAREST SURFACE WATER: <200'NMOCD RANKING SCORE: 40NMOCD TPH CLOSURE STD: 100 PPMSOIL AND EXCAVATION DESCRIPTION: ELEV. - 5,785'OVM CALIB. READ. = 53.8 ppmOVM CALIB. GAS = 100 ppm

RF = 0.52

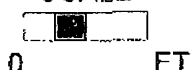
TIME: 3:19 am/pm am DATE: 7/20/06SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: med. brownCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - black sand & gravel below 6' from grade (in groundwater)HC ODOR DETECTED: YES / NO EXPLANATION - w/in groundwater soil - (no sample collected)SAMPLE TYPE: GRAB COMPOSITE - # OF PTS _____ADDITIONAL COMMENTS: STEEL TANK REMOVED PRIOR TO ARRIVAL. OBSERVED POSSIBLE HC SHEEN ON GROUNDWATER SURFACE w/in TEST HOLE. WILL BACKFILL PITS & ADDRESS REMEDIAL EFFORT AFTER WELL WORKOVER COMPLETION. GROUNDWATER POSSIBLY IMPACTED.

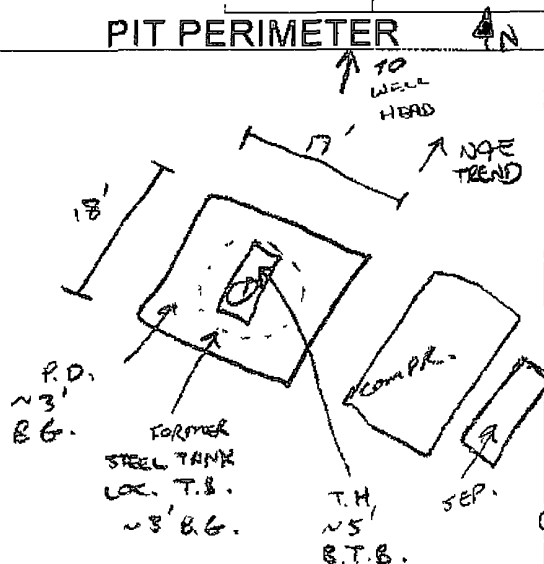
SCALE



FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION/READING	CALC. (ppm)

PIT PERIMETER

OVM
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6'	00
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
De 6'	TPH (80158)	1417
"	CHLORIDE	"

PIT PROFILE

NOT APPLICABLE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:

CALLOUT: 7/20/06-morn. ONSITE: 7/20/06-morn. (SCHED.)

Hall Environmental Analysis Laboratory, Inc.

Date: 02-Aug-06

CLIENT: Blagg Engineering
Lab Order: 0607258
Project: BOYD GC C#1
Lab ID: 0607258-01

Client Sample ID: 1@6'-SEP/DEHY PIT
Collection Date: 7/20/2006 2:17:00 PM
Date Received: 7/24/2006
Matrix: SOIL

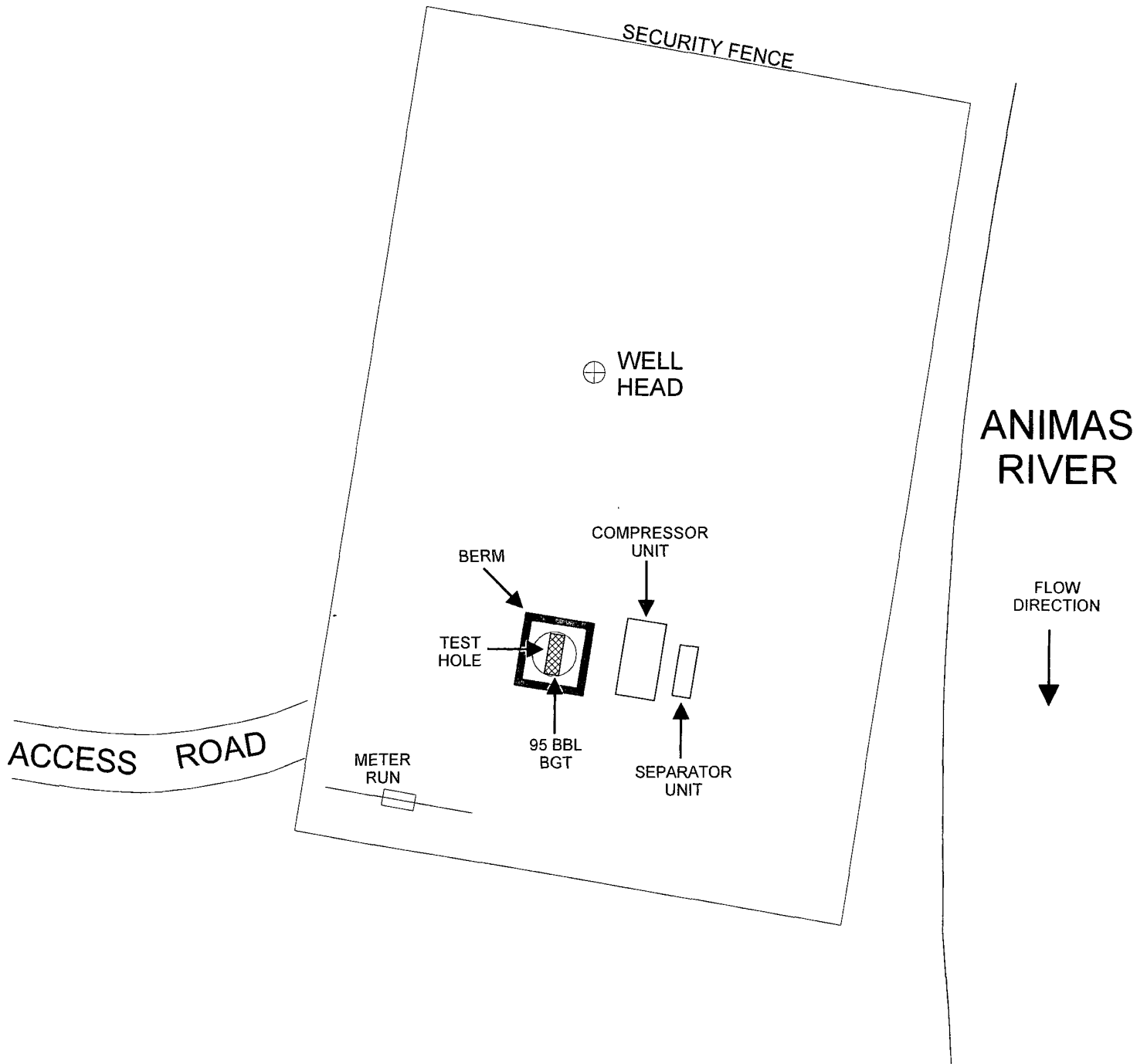
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/31/2006 11:59:13 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/31/2006 11:59:13 AM
Surr: DNOP	105	61.7-135		%REC	1	7/31/2006 11:59:13 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2006 1:44:42 PM
Surr: BFB	101	81.7-127		%REC	1	7/27/2006 1:44:42 PM
EPA METHOD 9056A: ANIONS						Analyst: TES
Chloride	ND	3.0		mg/Kg	10	7/31/2006 6:38:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

FIGURE 1



BELOW-GRADE TANK LOCATION IS ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES OR REFERENCES DISPLAYED ON THIS MAP MAY OR MAY NOT BE TO SCALE. MAGNETIC DECLINATION USED ~ 13 5° E

0 40 80 FT.

BP AMERICA PRODUCTION COMPANY

BOYD GC C # 1.

NW/4 NW/4 SEC. 8, T31N, R10W
SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87
BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: PIT CLOSURE

DRAWN BY: NJV

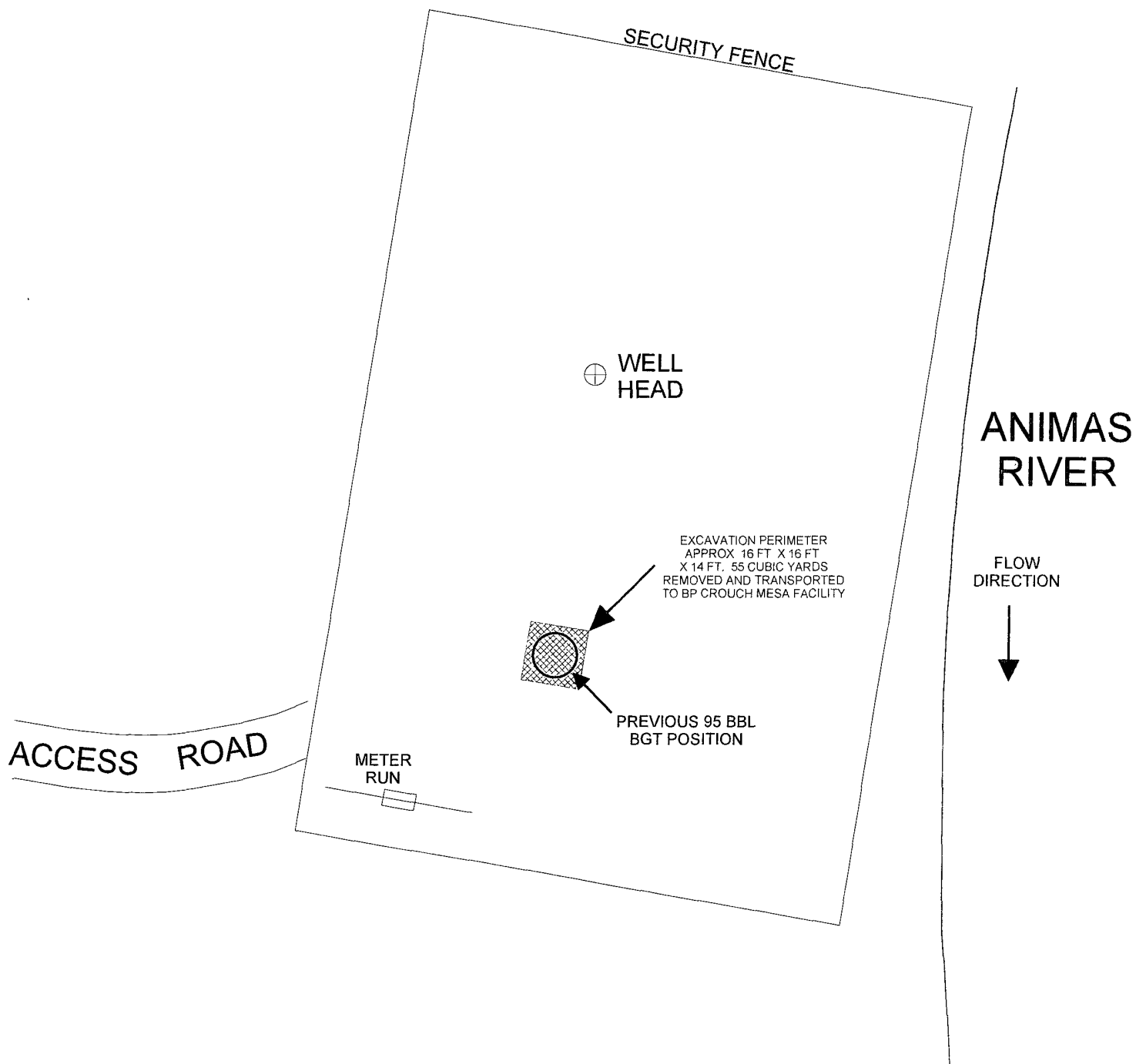
FILENAME: BOYD GC C 1-SM2 SKF

REVISED: 12/20/11 NJV

**SITE
MAP**

07/06

FIGURE 2



BELOW-GRADE TANK LOCATION IS ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER) ALL OTHER STRUCTURES OR REFERENCES DISPLAYED ON THIS MAP MAY OR MAY NOT BE TO SCALE MAGNETIC DECLINATION USED ~ 10° E

0 40 80 FT.

BP AMERICA PRODUCTION COMPANY

BOYD GC C # 1

NW/4 NW/4 SEC. 8, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE (505) 632-1199

PROJECT: REMEDIATION

DRAWN BY: NJV

FILENAME: BOYD GC C 1-SM3 SKF

REVISED: 12/20/11 NJV

**EXCAVATION
MAP**

10/11

BLAGG ENGINEERING, INC.

P.O. BOX 87
BLOOMFIELD, NM 87413

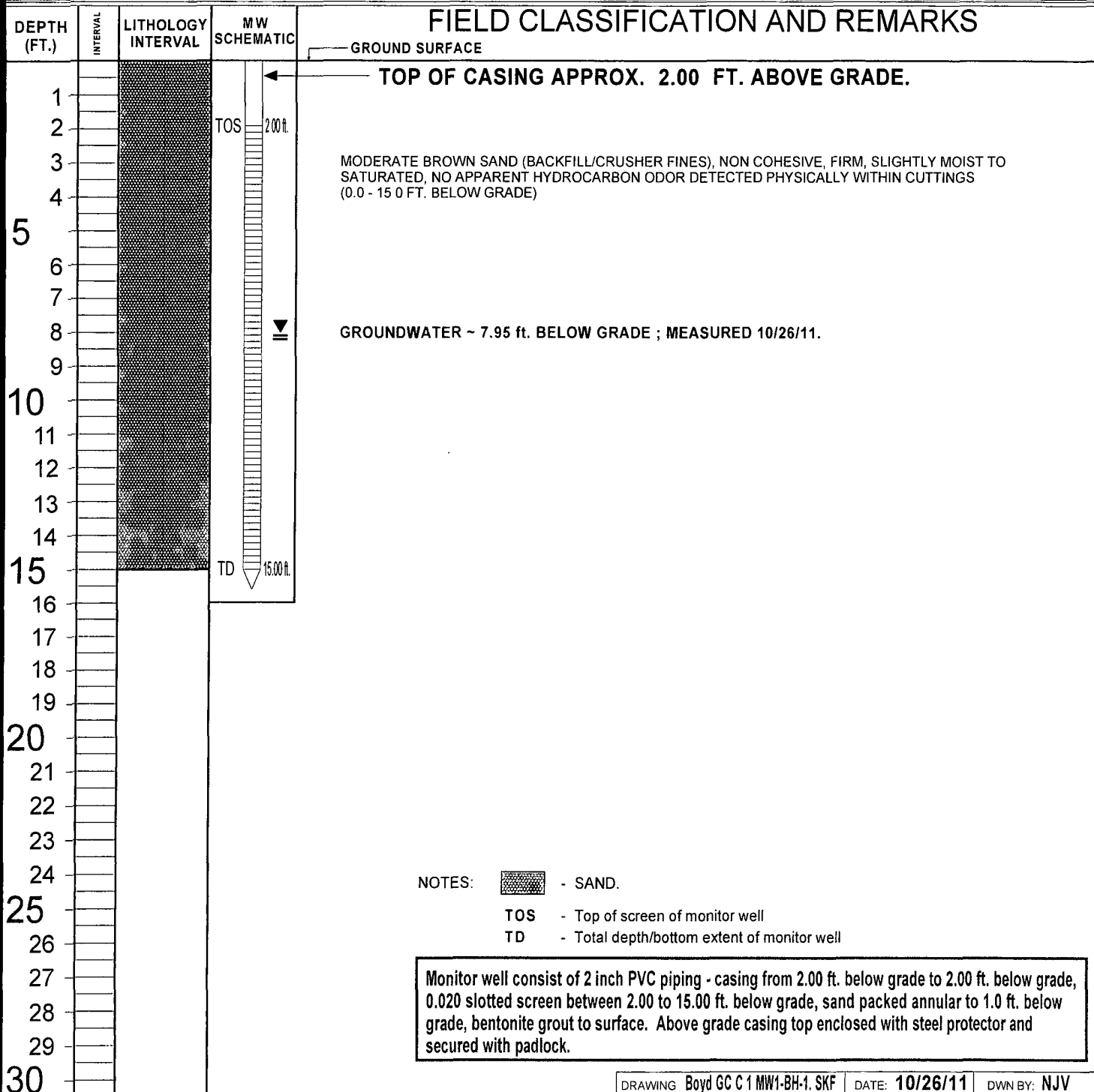
(505) 632-1199

MW # 1

BORE / TEST HOLE REPORT

CLIENT: **BP AMERICA PRODUCTION CO.**
LOCATION NAME: **Boyd GC C # 1** UNIT D SEC. 8, T31N, R10W
CONTRACTOR: **BLAGG ENGINEERING, INC. / KYVEK ENERGY SERVICES, INC.**
EQUIPMENT USED: **MOBILE DRILL RIG (CME 75) - HOLLOW STEM AUGER**
BORING LOCATION: **78 FEET, S11W FROM WELL HEAD.**

BORING #..... **BH - 1**
MW #..... **1**
PAGE #..... **1**
DATE STARTED **10/25/11**
DATE FINISHED **10/25/11**
OPERATOR..... **KP**
LOGGED BY..... **NJV**



BLAGG ENGINEERING, INC.

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : **BP AMERICA PROD. CO.**

CHAIN-OF-CUSTODY # : **N / A**

Boyd GC C # 1

LABORATORY (S) USED : **HALL ENVIRONMENTAL**

UNIT D, SEC. 8, T31N, R10W

Date : **October 31, 2011**

DEVELOPER / SAMPLER : **N J V**

Filename : **10-31-11.WK4**

PROJECT MANAGER : **N J V**

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
1			9.83	17.00	1045	7.46	1,700	11.7	3 50

INSTRUMENT CALIBRATIONS =

4 01/7 00/10 00

2,800

DATE & TIME =

10/31/2011

1040

NOTES : Volume of water purged from well prior to sampling: $V = \pi \times r^2 \times h \times 7.48 \text{ gal./ft}^3 \times 3 \text{ (wellbores)}$.
(i.e. 2" MW $r = (1/12) \text{ ft.}$ $h = 1 \text{ ft.}$) (i.e. 4" MW $r = (2/12) \text{ ft.}$ $h = 1 \text{ ft.}$)

Ideally a minimum of three (3) wellbore volumes:

2.00 " well diameter = 0.49 gallons per foot of water.

Comments or note well diameter if not standard 2 ".

Initially developed / purged 25 gallons from MW # 1 on 10 / 26 / 11 .

Excellent recovery in MW # 1 , murky brown appearance , no apparent sheen or odor detected within purged water . Collected sample for BTEX per US EPA Method 8021B .

Top of casing ~ 2.00 ft. above grade .

on-site	9:50	temp	40 F
off-site	11:05	temp	48 F
sky cond.	Sunny		
wind speed	5 - 10	direct.	ESE - SE

CLIENT: Blagg Engineering

Client Sample ID: MW#1

Lab Order: 1111107

Collection Date: 10/31/2011 10:45:00 AM

Project: Boyd GC C #1

Date Received: 11/1/2011

Lab ID: 1111107-01

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/2/2011 4:22:18 AM
Toluene	ND	1.0		µg/L	1	11/2/2011 4:22:18 AM
Ethylbenzene	ND	1.0		µg/L	1	11/2/2011 4:22:18 AM
Xylenes, Total	ND	2.0		µg/L	1	11/2/2011 4:22:18 AM
Surr: 4-Bromofluorobenzene	86.9	76.5-115		%REC	1	11/2/2011 4:22:18 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

QA/QC SUMMARY REPORT

Client: Blagg Engineering
 Project: Boyd GC C #1

Work Order: 1111107

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	--------	---------	------	----------	-----------	------	----------	------

Method: EPA Method 8021B: Volatiles

Sample ID: b 8

MBLK

Batch ID: R48803 Analysis Date: 11/1/2011 2:33:42 PM

Benzene ND µg/L 1.0

Toluene ND µg/L 1.0

Ethylbenzene ND µg/L 1.0

Xylenes, Total ND µg/L 2.0

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R48803 Analysis Date: 11/1/2011 2:03:31 PM

Benzene 20.57 µg/L 1.0 20 0 103 80 120

Toluene 21.02 µg/L 1.0 20 0 105 80 120

Ethylbenzene 21.10 µg/L 1.0 20 0 106 80 120

Xylenes, Total 64.79 µg/L 2.0 60 0 108 80 120

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **BLAGG**

Date Received:

11/1/2011

Work Order Number 1111107

Received by: **MMG**

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1.8°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Number of preserved bottles checked for pH:

<2 >12 unless noted below.

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action