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

For drilling and production facilities, submit to appropriate NMOCD District Office For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

	k covered by a "general plan"? Yes 🔀 No r below-grade tank 🔲 Closure of a pit or below-gra									
Address 200 Energy Ct, Farmington, NM 87401  Facility or well name HEATH 6C 0 #1 API #: 30	e:(505)326-9200	Sec 8 T Z9 NR 9 W								
Pit  Type Drilling Production Disposal Workover Emergency  Lined Unlined L  Liner type Synthetic Thickness mil Clay  Pit Volume bbl  Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)	Below-grade tank  Volume:bbl Type of fluid.  Construction material:  Double-walled, with leak detection? Yes If no  Less than 50 feet  50 feet or more, but less than 100 feet  100 feet or more	(20 points) (10 points) ( 0 points)								
Wellhead protection area. (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes No	(20 points) ( 0 points)								
Distance to surface water (horizontal distance to all wetlands, playas, urrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) ( 0 points)								
	Ranking Score (Total Points)	30								
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's your are burying in place) onsite  offsite  If offsite, name of facility remediation start date and end date. (4) Groundwater encountered. No  \( \) Attach soil sample results and a diagram of sample locations and excavate Additional Comments.  See Attached Documentation	. (3) Attach a general	description of remedial action taken including								
		DIST. 3								
I hereby certufy that the information above is true and complete to the best of my knowledge and belief I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .										
Date										
Approval Deputy Oil & Gas Inspec Printed Name/Title District #3	tor, Signature	AUG 1 U 2007								

P D = PIT DEPRESSION, B.G = BELOW GRADE TH. = TEST HOLE; ~ = APPROX.; B = BELOW TRAVEL NOTES: 6/3/02 - MORN. 6(3/02-more. CALLOUT: ONSITE: revised: 02/27/02



## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	2 - 13'	Date Reported:	06-04-02
Laboratory Number:	22846	Date Sampled:	06-03-02
Chain of Custody No:	9070	Date Received:	06-03-02
Sample Matrix:	Soil	Date Extracted:	06-04-02
Preservative:	Cool	Date Analyzed:	06-04-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5,560	0.1
Total Petroleum Hydrocarbons	5,560	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments: Heath GC O #1 Blow Pit.

Analyst C. Church

Mister Muchters
Review

# BLAGG ENGINEERING, Inc.

P.O. BOX 87 **BLOOMFIELD, NM 87413** (505) 632-1199

# BORE / TEST HOLE REPORT

CLIENT:

LOCATION NAME: CONTRACTOR: **EQUIPMENT USED:**  BP AMERICA PRODUCTION CO. HEATH GC O # 1 BLOW PIT

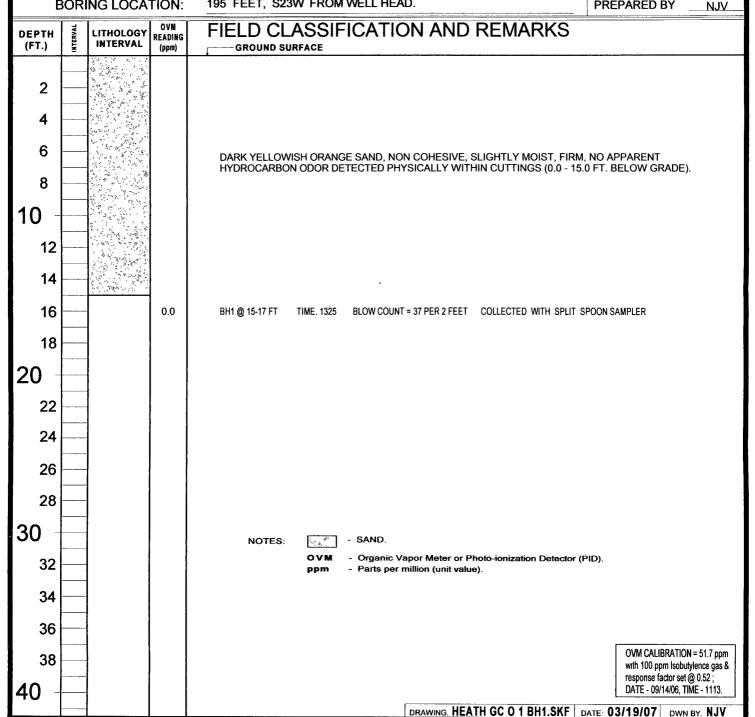
UNIT N. SEC. 8, T29N, R9W BLAGG ENGINEERING, INC. / ENVIROTECH, INC.

**MOBILE DRILL RIG (CME 75)** 

195 FEET, S23W FROM WELL HEAD. **BORING LOCATION:** 

BORING #..... BH1 MW #..... NA PAGE #..... DATE STARTED 09/14/06 DATE FINISHED 09/14/06 OPERATOR..... \_ DP

PREPARED BY



## BLAGG ENGINEERING, Inc.

P.O. BOX 87 BLOOMFIELD, NM 87413 (505) 632-1199

# BORE / TEST HOLE REPORT

CLIENT:

LOCATION NAME:

CONTRACTOR: EQUIPMENT USED: BORING LOCATION: BP AMERICA PRODUCTION CO.

HEATH GC O # 1 BLOW PIT UNIT N, SEC. 8, T29N, R9W BLAGG ENGINEERING, INC. / ENVIROTECH, INC.

MOBILE DRILL RIG (CME 75)

195 FEET, S11W FROM WELL HEAD.

BORING #...... BH2

MW #...... 1

PAGE #...... 1

DATE STARTED 09/14/06

DATE FINISHED 09/14/06

OPERATOR..... DP

PREPARED BY NJV

DRAWING HEATH GC O 1 BH2.SKF DATE: 03/19/07 DWN BY NJV

DEPTH (FT.)	INTERVAL	LITHOLOGY READING (ppm)	FIELD CLASSIFICATION AND REMARKS ——GROUND SURFACE
2 4 6 8			DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (0.0 - 10.0 FT. BELOW GRADE).
10 - 12 14			SAME AS ABOVE EXCEPT OLIVE GRAY AND AN APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (10.0 - 14.0 FT. BELOW GRADE).
16		0.0	BH2 @ 15-17 FT. TIME 1340 BLOW COUNT = 30 PER 2 FEET COLLECTED WITH SPLIT SPOON SAMPLER TPH = 230 ppm DARK YELLOWISH ORANGE to MODERATE BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM,
18 20 -		0.0	NO APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (14.0 - 20.0 FT. BELOW GRADE).  BH2 @ 20-22 FT. TIME: 1359 BLOW COUNT = 30 PER 2 FEET COLLECTED WITH SPLIT SPOON SAMPLER
22 24			TPH = ND
26 28			
30 - 32			NOTES: SAND.  OVM - Organic Vapor Meter or Photo-ionization Detector (PID).  TPH - Total Petroleum Hydrocarbons EPA Method 8015B.
34 36			ND - Not detected at the Reporting Limit.  ppm - Parts per million (unit value).
38 40 -			OVM CALIBRATION = 51.7 ppm with 100 ppm Isobutylence gas & response factor set @ 0 52; DATE - 09/14/06, TIME - 1113

Hall Environmental Analysis Laboratory, Inc.

Date: 25-Sep-06

**Collection Date:** 9/14/2006 1:40:00 PM

CLIENT:

Blagg Engineering

Lab Order:

0609185

Heath GC 0 #1-Blow Pit

Project: Lab ID:

0609185-01

Client Sample ID: BH2 @ 15'-17'

Date Received: 9/15/2006

Matrix: SOIL

Analyses	Result	PQL Qı	ial Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	230	10	mg/Kg	1	9/22/2006 3·53:21 PM
Motor Oil Range Organics (MRO)	<del>200</del>	50	mg/Kg	1	9/22/2006 3 53:21 PM
Surr. DNOP	79.5	61.7-135	%REC	1	9/22/2006 3·53:21 PM
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/21/2006 5:26.22 PM
Surr: BFB	103	84.5-129	%REC	1	9/21/2006 5:26:22 PM

TPH = Z30 ppm

Qualifiers:

Value exceeds Maximum Contaminant Level

Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date: 25-Sep-06

CLIENT:

Blagg Engineering

Lab Order:

0609185

0009183

Heath GC 0 #1-Blow Pit

Project: Lab ID:

0609185-02

Client Sample ID: BH2 @ 20'-22'

**Collection Date:** 9/14/2006 1:59:00 PM

Date Received: 9/15/2006

Matrix: SOIL

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	SE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/20/2006 10:59:13 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/20/2006 10:59.13 AM
Surr: DNOP	87.9	61.7-135	%REC	1	9/20/2006 10:59·13 AM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/21/2006 6:56:43 PM
Surr: BFB	108	84.5-129	%REC	1	9/21/2006 6·56 43 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

Client / Project Name	/BP		Project Location	EASE		ANALYSIS / PARAMETERS											
Sampler: ルゴ(	/		Client No. 94034 - 0		No. of ontainers	TPH (80:58)	BIEX		,		R€	emarks					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	Control	(80:5K)	(3571E)										
/-7'	6/3/02	1100	22844	2017	,	<u> </u>					ABANI HERTH G						
1-9'	6/3/02	1115	22845	SOIL	1	1	<b>4</b>				BLO HEATH G	SP CO					
ر ا 2-13	6/3/02	1210	22846	5012	1	✓						"					
										1 11	IF TPH F						
											15 < 100 Run (1)		アムビュ				
Dersi	6/2/021	1145	m	non	W	M	1	2	1		DENYO HEATH G		\$ P # 1				
De6'	6/3/02	1245	22847	2017	1	<b>√</b>				,	•	49 <i>02</i> 50 G					
Relinquished by: (Signat		1	6	Date Time 5/3/02/1428	Received by:	Signatu	r <u>e</u> ) (	Edi				oate °∫∪≥_	Tim				
Relinquished by: (Signat	ture)	•			Received by:	Signatu	re)	V									
Relinquished by: (Signat	ure)			Received by: (Signature)													
				ENVIROT	ECH	In	S.				Sample R	· ·					
5796 U.S. Hig						Highway 64					ived Intact	Y 2	N				
				Farmington, Ne	ew Mexico 32-0615	87401					Ice/Blue Ice	4	$\overline{}$				



### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Mister of Walters Review

Olivert	0.000		Duningt #		N1/A
Client:	QA/QC		Project #:		N/A
Sample ID:		VQC	Date Reported:		06-04-02
Laboratory Number:	22844		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		06-04-02
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	04-25-02	2.7355E-002	2.7328E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-25-02	2.4557E-002	2.4508E-002	0.20%	0 - 15%
				o to announce of the second section of the	?*# <b>!</b>
Blank Conc. (mg/L - mg/Kg		Concentration		Detection Lin	)IŲ
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range	<b>3</b>
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	****
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept, Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 22844, 22846 - 22847.

ik. 9					(N J	) Y) 90	edspe	9H 10 :	eelddu8	ηiA								
HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE, Sulte D	Albuquerque, New Mexico 87109 Tel. 505.345.3975 Fax 505.345.4107	www.hallenvironmental.com	ANAIVSIS REGUEST				/ bcB. '' NO <sup>5</sup> '	Aq no <i>l</i> stats ON , IQ sebioi	7 ( Meth A 8 Me Ons (F, ( 81 Pest 81 Pest 10 (Sen	83 PrinA inA 08 82								
							(1.4	OG bor	H (Meth	G3								
		<b>a</b> .			(ləs	əs/Die			- Metho		>	>						
				ا/)					M + X3	_							7	Remarks:
QA/QC Package: Std 🔲 Level 4 🔲	Project Name:	HEATH GC O #1 - BLOWN PIT	Project #:			<u> </u>	Sampler: NV	Sample Temperature:	sservative HEAL No.	HgC1 HNO3 60 7 (1007 185	1-402.	1-402.					9-15 M	Received By: (Signature)  Received By: (Signature)
CHAIN-OF-CUSTODY RECORD	Client: Reflex ENSR. 189 AMERICA		Address: P.O. BOX 87				4: 632-1199	Fax #:	Date Time Matrix Sample I.D. No.		9/14/06/1340 5012 BHA @ 15-17	9/4/06 1359 501L BHA @ 20'-22'						Date: Time: Relinquished By: (Signature)    Hallow

.

# **QA/QC SUMMARY REPORT**

Client:

Blagg Engineering

Project:

Heath GC 0 #1-Blow Pit

Work Order:

Date: 25-Sep-06

0609185

Analyte	Result	Units	PQL	%Rec	LowLimit HighLir	mit	%RPD RPE	DLimit Qual
Method: SW8015 Sample ID: MB-11301		MBLK			Batch ID: 11	1301	Analysis Date:	9/20/2006 5:45:15 AM
Diesel Range Organics (DRO)	ND	mg/Kg	10					
Motor Oil Range Organics (MRO) Sample ID: LCS-11301	ND	mg/Kg LCS	50		Batch ID: 1	1301	Analysis Date:	9/20/2006 6:20:03 AM
Diesel Range Organics (DRO) Sample ID: LCSD-11301	35.04	mg/Kg LCSD	10	70.1	64.6 116 Batch ID: 1	1301	Analysis Date.	9/20/2006 6:54:50 AM
Diesel Range Organics (DRO)	37.38	mg/Kg	10	74.8	64.6 116		6.45 17	.4
Method: SW8015								
Sample ID: 0609185-01A MSD		MSD /			Batch ID: 1	1294	Analysis Date:	9/21/2006 6:26:35 PM
Gasoline Range Organics (GRO)	25.60	mg/Kg	5.0	98 4	73.4 115		1.97 11	.6
Sample ID: MB-11294		MBLK			Batch ID: 11	1294	Analysis Date:	9/19/2006 6:49:38 PM
Gasoline Range Organics (GRO) Sample ID: LCS-11294	ND	mg/Kg LCS	5.0		Batch ID: 1	1294	Analysis Date:	9/19/2006 7:20·12 PM
Gasoline Range Organics (GRO) Sample ID: 0609185-01A MS	22.70	mg/Kg <i>M</i> S	5 0	90 8	73 4 115  Batch ID: 1	1294	Analysis Date:	9/21/2006 5:56:32 PM
Gasoline Range Organics (GRO)	25 10	mg/Kg	5.0	96 4	73.4 115	1234	Analysis Date.	3/2 1/2000 3.30.32 F WI

#### Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits  $3 \ / \ 4$ 

### Hall Environmental Analysis Laboratory, Inc.

#### Sample Receipt Checklist

Client Name BLAGG				Date and Time	Received:	9/18/2006
Work Order Number 0609185	1 1			Received by	GLS	
Checklist completed by Signature	Neppe		Date	7-18-06	<u>o</u>	
Matrix	Carrier name	Grey	hound			
Shipping container/cooler in good condition?		Yes	<b>V</b>	No 🗆	Not Present	
Custody seals intact on shipping container/coole	r?	Yes	✓	No 🗆	Not Present	☐ Not Shipped ☐
Custody seals intact on sample bottles?		Yes		No 🗌	N/A	V
Chain of custody present?		Yes	<b>✓</b>	No 🗆		
Chain of custody signed when relinquished and	received?	Yes	<b>✓</b>	No 🗆		
Chain of custody agrees with sample labels?		Yes	<b>✓</b>	No 🗆		
Samples in proper container/bottle?		Yes	<b>✓</b>	No 🗆		
Sample containers intact?		Yes	<b>✓</b>	No 🗆		
Sufficient sample volume for indicated test?		Yes	$\checkmark$	No 🗆		
All samples received within holding time?		Yes	<b>✓</b>	No 🗌		
Water - VOA vials have zero headspace?	No VOA vials subm	nitted		Yes 🔽	No 🗌	
Water - pH acceptable upon receipt?		Yes		No 🗌	N/A	
Container/Temp Blank temperature?				4° C ± 2 Acceptai		
COMMENTS:						
Client contacted	Date contacted	<del></del>		Perso	on contacted	
Contacted by:	Regarding	·············				
Comments: Lei NV	Collection	k	M.			
				* **		19/19/06
						/ <del>/</del>
			-			
Corrective Action			•		<del></del>	