

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

Form C-144  
June 1, 2004

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

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

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: ROBERTS #1 API #: 30-045- 29228 U/L or Qtr/Qtr A Sec 14 T 29N R 13W  
County: SAN JUAN Latitude 36.73049 Longitude 108.16923 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

**Pit**  
Type: Drilling ☐ Production ☒ Disposal ☐ PROD. TANK  
Workover ☐ Emergency ☐  
Lined ☒ Unlined ☐ STEEL TANK  
Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**  
Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_  
Construction material: N/A  
Double-walled, with leak detection? Yes ☐ If not, explain why not.

RCVD APR 5 '07  
OIL CONS. DIV.  
DIST. 3

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	<b>20</b>
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	( 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	(20 points)	<b>0</b>
	No	( 0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	<b>10</b>
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	( 0 points)	
Ranking Score (Total Points)			<b>30</b>

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments PIT LOCATED APPROXIMATELY 48 FT. N13E FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)

Cubic yards: N/A

I hereby certify 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 alternative OCD-approved plan ☒.

Date: 07/5/06

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature [Signature]

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: Deputy Oil & Gas Inspector,

Printed Name/Title

District #3

Signature [Signature]

Date

AUG 02 2007

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>81779</u> COCR NO: <u>HALL</u>
-------------------	---	---

**FIELD REPORT: PIT CLOSURE VERIFICATION**

PAGE No: 1 of 1

LOCATION: NAME: <u>ROBERTS</u> WELL #: <u>1</u> TYPE: <u>Production</u> QUAD/UNIT: <u>A</u> SEC: <u>14</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1160 FNL x 850 FEL</u> <sup>NEHE</sup> CONTRACTOR: <u>L+R (ADRIAN)</u>	DATE STARTED: <u>6-19-06</u> DATE FINISHED: <u>6-19-06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
---	---

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: FEE - FARM LEASE: FEE FORMATION: PC

**FIELD NOTES & REMARKS:** PIT LOCATED APPROXIMATELY 48 FT. N 13 E FROM WELLHEAD.

DEPTH TO GROUNDWATER: < 50 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: < 1000

NMOCD RANKING SCORE: 20+ NMOCD TPH CLOSURE STD: 100 PPM

**SOIL AND EXCAVATION DESCRIPTION:**

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL (OTHER) RIVER COBBLES @ 5'

SOIL COLOR: TAN

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (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 SATURATED

DISCOLORATION/STAINING OBSERVED: YES (NO) EXPLANATION: \_\_\_\_\_

HC ODOR DETECTED: YES (NO) EXPLANATION: \_\_\_\_\_

SAMPLE TYPE GRAB / COMPOSITE - # OF PTS 5

ADDITIONAL COMMENTS: 95 BBL STEEL TANK SET IN PIT - SIDES NOT EXPOSED - USE BACKHOE TO PULL TANK & SAMPLE. No evidence of contamination

OVM CALIB. READ. = 51.9 ppm

OVM CALIB. GAS = 100 ppm RF = 0.52

TIME: 0820 (am/pm) DATE: 6/19

LISTED AS "BLOW PIT" ON ROBERTS SEC 8 T1N1

CLOSED

**SCALE**

0 1 2 FT

**PIT PERIMETER**

**FIELD 418.1 CALCULATIONS**

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

**PIT PROFILE**

**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-Pt 8'	

**LAB SAMPLES**

SAMPLE ID	ANALYSIS	TIME
5-PC	T/G/CL	1040

↓ T.B.

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

TRAVEL NOTES: CALLOUT: \_\_\_\_\_ ONSITE: 6/19/06

**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Jun-06

**CLIENT:** Blagg Engineering  
**Lab Order:** 0606224  
**Project:** Roberts 1  
**Lab ID:** 0606224-01

**Client Sample ID:** 5-Point @ 8'  
**Collection Date:** 6/19/2006 10:40:00 AM  
**Date Received:** 6/21/2006  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: <b>SCC</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2006 7:49:41 AM
Surr: DNOP	101	61.7-135		%REC	1	6/29/2006 7:49:41 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: <b>HLM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/23/2006 6:38:06 PM
Surr: BFB	94.2	81.7-127		%REC	1	6/23/2006 6:38:06 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>HLM</b>
Benzene	ND	0.050		mg/Kg	1	6/23/2006 6:38:06 PM
Toluene	ND	0.050		mg/Kg	1	6/23/2006 6:38:06 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/23/2006 6:38:06 PM
Xylenes, Total	ND	0.15		mg/Kg	1	6/23/2006 6:38:06 PM
Surr: 4-Bromofluorobenzene	90.2	76.8-115		%REC	1	6/23/2006 6:38:06 PM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: <b>MAP</b>
Chloride	13	1.5		mg/Kg	5	6/29/2006 2:54:05 AM

<b>Qualifiers:</b>	<b>*</b>	Value exceeds Maximum Contaminant Level	<b>B</b>	Analyte detected in the associated Method Blank
	<b>E</b>	Value above quantitation range	<b>H</b>	Holding times for preparation or analysis exceeded
	<b>J</b>	Analyte detected below quantitation limits	<b>ND</b>	Not Detected at the Reporting Limit
	<b>S</b>	Spike Recovery outside accepted recovery limits		



## QA/QC SUMMARY REPORT

Client: Blagg Engineering  
 Project: Roberts 1

Work Order: 0606224

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<hr/>									
Method: E300								Batch ID: 10701	
Sample ID: MB-10701		MBLK						Analysis Date: 6/29/2006	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-10701		LCS						Analysis Date: 6/29/2006	
Chloride	14.51	mg/Kg	0.30	96.7	90	110			
<hr/>									
Method: SW8015								Batch ID: 10699	
Sample ID: MB-10699		MBLK						Analysis Date: 6/29/2006	
Petroleum Range Organics (DRO)	ND	mg/Kg	10						
Sample ID: LCS-10699		LCS						Analysis Date: 6/29/2006	
Petroleum Range Organics (DRO)	33.90	mg/Kg	10	67.8	64.6	116			
Sample ID: LCSD-10699		LCSD						Analysis Date: 6/29/2006	
Petroleum Range Organics (DRO)	39.42	mg/Kg	10	78.8	64.6	116	15.1	17.4	
<hr/>									
Method: SW8015								Batch ID: 10674	
Sample ID: MB-10674		MBLK						Analysis Date: 6/23/2006	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-10674		LCS						Analysis Date: 6/23/2006	
Gasoline Range Organics (GRO)	17.50	mg/Kg	5.0	70.0	73.4	115			S
<hr/>									
Method: SW8021								Batch ID: 10674	
Sample ID: MB-10674		MBLK						Analysis Date: 6/23/2006	
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.15						
Sample ID: LCS-10674		LCS						Analysis Date: 6/23/2006	
Benzene	0.2596	mg/Kg	0.050	81.1	77.5	123			
Toluene	1.564	mg/Kg	0.050	76.7	85.3	129			S
Ethylbenzene	0.3360	mg/Kg	0.050	86.2	79.6	121			
Xylenes, Total	1.911	mg/Kg	0.15	91.0	80	130			

## Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name **BLAGG**

Date and Time Received:

6/21/2006

Work Order Number **0606224**

Received by **GLS**

Checklist completed by

Signature

Date

Matrix

Carrier name Greyhound

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 - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

4°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

=====

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_