

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: SANDOVAL GC A #1R API #: 30-045- 23907 U/L or Qtr/Qtr A Sec 35 T 30N R 9W  
County: SAN JUAN Latitude 36.77288 Longitude 107.74395 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

**Pit**  
Type: Drilling ☐ Production ☒ Disposal ☐ ABANDON  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
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)

50 feet or more, but less than 100 feet

(10 points)

10

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)

No

( 0 points)

0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

10

1000 feet or more

( 0 points)

**Ranking Score (Total Points)**

20

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 90 FT. S68W 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: 05/26/06

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

Signature Jeff Blagg

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,  
District #3

Printed Name/Title \_\_\_\_\_

Signature Brandon R. [Signature]

Date: AUG 02 2007

30-045-23907

36.77288 x 107.74395

VUL

CLIENT: BP
**BLAGG ENGINEERING, INC.**  
**P.O. BOX 87, BLOOMFIELD, NM 87413**  
**(505) 632-1199**
LOCATION NO: 81772COCR NO: HALL**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: SANDOVAL GC A WELL#: 1R TYPE: ABANDONDATE STARTED: 5/10/06DATE FINISHED: 5/10/06QUAD/UNIT: A SEC: 35 TWP: 30N RNG: 9W PM: NM CNTY: SJ ST: NMENVIRONMENTAL SPECIALIST: JCBQTR/FOOTAGE: 790 FNL x 790 FEL NEISE CONTRACTOR: HDI - LIONELEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE LEASE: NM 073292 FEE 70 FORMATION: MVFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. S 68 W FROM WELLHEAD.DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM**SOIL AND EXCAVATION DESCRIPTION:**
OVM CALIB. READ. = 53.3 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 0615 am/pm DATE: 5/10
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: YELLOW TANCOHESION (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 &amp; SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION -HC ODOR DETECTED: YES / NO EXPLANATION -SAMPLE TYPE GRAB / COMPOSITE - # OF PTS. —

ADDITIONAL COMMENTS:

ABANDON PIT. ORIGINAL SIZE 18' x 18' x 3' COVERED  
SOMETIME AFTER 1998. USE BAGGAGE TO KNOW IN PIT LOCATION.  
OLD PIPING LIES @ 3' - OTHERWISE NO CONTAMINATION.

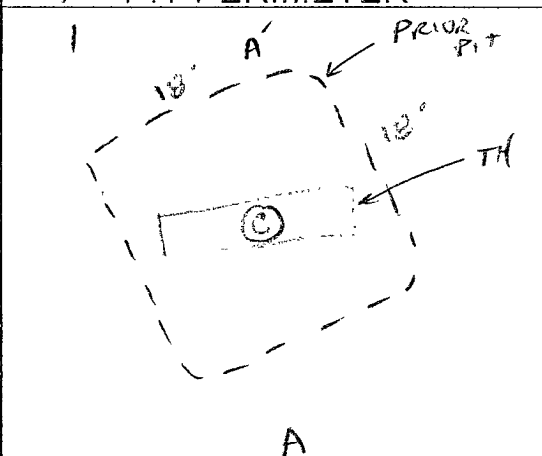
**FIELD 418.1 CALCULATIONS**

SCALE



0 FT

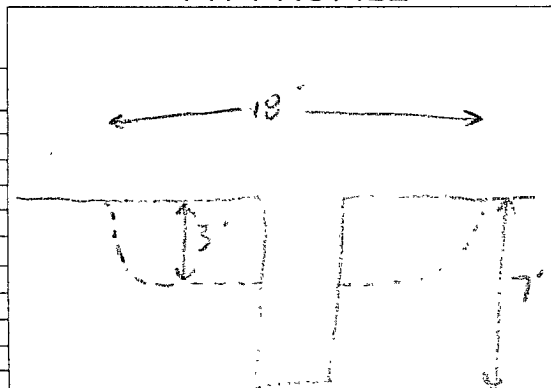
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

**PIT PERIMETER****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
COT	3.1

**LAB SAMPLES**

SAMPLE ID	ANALYSIS	TIME
COT	T/B/C	1033

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

TRAVEL NOTES.

CALLOUT: \_\_\_\_\_

ONSITE: 5/10/06

**Hall Environmental Analysis Laboratory**

Date: 22-May-06

**CLIENT:** Blagg Engineering  
**Lab Order:** 0605142  
**Project:** Sandoval GC A #1R  
**Lab ID:** 0605142-01

**Client Sample ID:** Abandon @ 7'  
**Collection Date:** 5/10/2006 10:38:00 AM  
**Date Received:** 5/12/2006  
**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	5/17/2006 11:20:01 PM
Surr: DNOP	109	61.7-135		%REC	1	5/17/2006 11:20:01 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: <b>HLM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2006 6:20:57 PM
Surr: BFB	87.1	81.7-127		%REC	1	5/17/2006 6:20:57 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>HLM</b>
Benzene	ND	0.050		mg/Kg	1	5/17/2006 6:20:57 PM
Toluene	ND	0.050		mg/Kg	1	5/17/2006 6:20:57 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2006 6:20:57 PM
Xylenes, Total	ND	0.15		mg/Kg	1	5/17/2006 6:20:57 PM
Surr: 4-Bromofluorobenzene	90.6	77.6-114		%REC	1	5/17/2006 6:20:57 PM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: <b>MAP</b>
Chloride	6.3	0.30		mg/Kg	1	5/18/2006 4:32:42 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



## QA/QC SUMMARY REPORT

Client: Blagg Engineering  
 Project: Sandoval GC A #1R

Work Order: 0605142

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: E300</b>									
Batch ID: 10442									
Sample ID: MB-10442		MBLK							Analysis Date: 5/18/2006
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-10442		LCS							Analysis Date: 5/18/2006
Chloride	14.74	mg/Kg	0.30	98.3	90	110			
<b>Method: SW8015</b>									
Batch ID: 10408									
Sample ID: MB-10408		MBLK							Analysis Date: 5/16/2006
iesel Range Organics (DRO)	ND	mg/Kg	10						
Sample ID: LCS-10408		LCS							Analysis Date: 5/16/2006
iesel Range Organics (DRO)	42.03	mg/Kg	10	84.1	64.6	116			
Sample ID: LCSD-10408		LCSD							Analysis Date: 5/16/2006
iesel Range Organics (DRO)	43.97	mg/Kg	10	87.9	64.6	116	4.53	17.4	
<b>Method: SW8015</b>									
Batch ID: 10423									
Sample ID: MB-10423		MBLK							Analysis Date: 5/17/2006
asoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-10423		LCS							Analysis Date: 5/17/2006
asoline Range Organics (GRO)	21.20	mg/Kg	5.0	84.8	73.4	115			
<b>Method: SW8021</b>									
Batch ID: 10423									
Sample ID: MB-10423		MBLK							Analysis Date: 5/17/2006
enzene	ND	mg/Kg	0.050						
luene	ND	mg/Kg	0.050						
hylbenzene	ND	mg/Kg	0.050						
lenes, Total	ND	mg/Kg	0.15						
Sample ID: LCS-10423		LCS							Analysis Date: 5/17/2006
enzene	0.3821	mg/Kg	0.050	101	77.5	123			
luene	1.994	mg/Kg	0.050	95.0	85.3	129			
hylbenzene	0.3796	mg/Kg	0.050	97.3	79.6	121			
lenes, Total	2.045	mg/Kg	0.15	97.4	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

## Sample Receipt Checklist

Client Name **BLAGG**

Date and Time Received:

5/12/2006

Work Order Number **0605142**

Received by **LMM**

Checklist completed by

Lisa Medved  
Signature

5/12/06  
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?

5°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

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

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

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

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