

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: HUTCHIN LS #1 API #: 30-045- 10915 U/L or Qtr/Qtr G Sec 7 T 31N R 10W
County: SAN JUAN Latitude 36.91566 Longitude 107.91962 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit	Below-grade tank	
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEP/COMP</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
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) 20
	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, gation 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)		30

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: <u>PIT LOCATED APPROXIMATELY 87 FT. S49E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH n/a ft., LENGTH n/a ft., DEPTH n/a ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input type="checkbox"/>, LANDFARM: <input checked="" type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>400</u>

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: 04/30/04

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, DIST. 8

Printed Name/Title

Signature Branch Bell

Date: JAN 09 2006

CLIENT:

BP

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

LOCATION NO: 81342

COCR NO: HAL

5

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HUTCHIN LS WELL #: 1 TYPE: SEP./COMPR.

DATE STARTED: 2/25/04

QUAD/UNIT: 6 SEC: 7 TWP: 31N RING: 100 PM: NM CNTY: SJ ST: NM

DATE FINISHED:

QTR/FOOTAGE: 1700N/1650E SW/NE CONTRACTOR: HDI (EDGAR)

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 30 FT. x 25 FT. x 15 FT. DEEP. CUBIC YARDAGE: 400

DISPOSAL FACILITY: HUTCHIN GC B#1 (6-7-31-10) REMEDIATION METHOD: LANDFARM

LAND USE: RANGE LEASE: FEE FORMATION: MV

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 87 FT. S 49E FROM WELLHEAD.

DEPTH TO GROUNDWATER: <50'

NEAREST WATER SOURCE: >1000'

NEAREST SURFACE WATER: <1000'

NMOCD RANKING SCORE: 30

NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.1 ppm

OVM CALIB. GAS = 100 ppm RF = 0.52

TIME: 1:55 am/pm DATE: 2/25/04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR: LT. TO DK. GRAY

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: ENTIRE TEST HOLE

HC ODOR DETECTED: YES / NO EXPLANATION: ENTIRE TEST HOLE & OVM SAMPLE

SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. -

ADDITIONAL COMMENTS: SAMPLE 2 @ 20' COLLECTED 3/2/04 0845 / OVM CALIB. 51.8 ppm 3/2/04 0858.

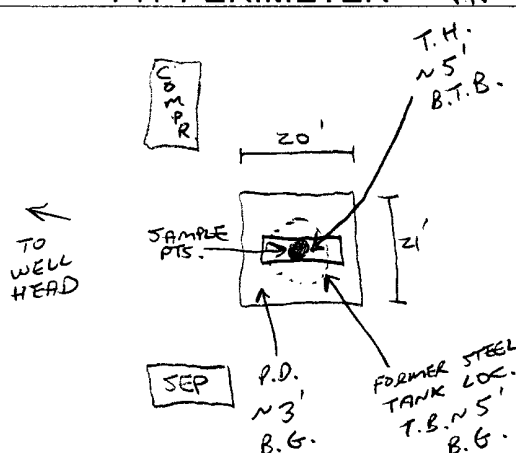
FIELD 418.1 CALCULATIONS

SCALE



0 FT

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

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

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 10'	1487
2 @ 20'	1397
3 @	
4 @	
5 @	
842 @ 45'	31.1

4/21/04

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 10'	TPH (3015A)	1340
"	BTEX (3021B)	"
842 @ 45'	TPH (3015A)	1108
"	BTEX (3021B)	"

4/21/04

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

TRAVEL NOTES:

CALLOUT: 2/25/04 - MORN. ONSITE: 2/25/04 - AFTER.

BLAGG ENGINEERING, INC.

P.O. BOX 87

BLOOMFIELD, NM 87413

(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT:

BP AMERICA PRODUCTION COMPANY

LOCATION NAME:

HUTCHIN LS #1 SEPARATOR / COMPRESSOR PIT - UNIT G, SEC. 7, T31N, R10W

CONTRACTOR:

BLAGG ENGINEERING

EQUIPMENT USED:

MOBILE DRILL RIG - EARTHPROBE 200

BORING LOCATION:

69 FEET, S50E FROM WELL HEAD.

BORING #.....

BH - 1

MW #.....

N/A

PAGE #.....

N/A

DATE STARTED

3/08/04

DATE FINISHED

3/08/04

OPERATOR.....

JCB

PREPARED BY

NJV

DEPTH
(FT.)

INTERVAL

LITHOLOGY
INTERVAL

VENT PIPE
SCHEMATIC

FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

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40

DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM
(0.0 - 38.0 FT. BELOW GRADE).

NOTES: ☐ - SAND.

DRAWING: HUTCH LS 1-BH1. SKF

DATE: 04/23/04

DWN BY: NJV

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 COMPANY

HUTCHIN LS #1 SEPARATOR / COMPRESSOR PIT - UNIT G, SEC. 7, T31N, R10W

BLAGG ENGINEERING / TERRACON

MOBILE DRILL RIG -

85 FEET, S49E FROM WELL HEAD.

BORING #..... BH - 2
MW #..... N/A
PAGE #..... N/A
DATE STARTED 4/21/04
DATE FINISHED 4/21/04
OPERATOR..... KO
PREPARED BY NJV

DEPTH (FT.)
INTERVAL
LITHOLOGY INTERVAL
VENT PIPE SCHEMATIC

FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

Vent pipe completion - Top of 2 inch PVC casing approximately 5.0 ft. above grade (with wind turbine attached) to 20 ft. below grade, 0.010 slotted screen 20.0 - 45.0 ft. Auger cuttings reintroduced into annular between 0.0 - 15.0 ft., bentonite plug 15.0 - 17.0 ft., sand 17.0 - 45.0 ft.

DARK YELLOWISH ORANGE SAND (FILL MATERIAL), NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM (0.0 - 20.0 FT. BELOW GRADE).

MEDIUM GRAY SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HYDROCARBON ODOR DETECTED (20.0 - 28.0 FT. BELOW GRADE).

SAMPLE COLLECTED WITH SPLIT SPOON SAMPLER - BLOW COUNT - 15 OVER 1 FT. INTERVAL. BH-2 @ 30 FT. OVM READING - 1,308 ppm, DATE COLLECTED - 4/21/04, TIME - 9:40 am.

DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HYDROCARBON ODOR DETECTED (28.0 - 40.0 FT.).

BLOW COUNT - 13 OVER 1 FT. INTERVAL. BH-2 @ 35 FT. OVM READING - 1,833 ppm, DATE COLLECTED - 4/21/04, TIME - 10:03 am.

BLOW COUNT - 13 OVER 1 FT. INTERVAL. BH-2 @ 40 FT. OVM READING - 151 ppm, DATE COLLECTED - 4/21/04, TIME - 10:44 am.

MEDIUM GRAY SILTY CLAY TO CLAY, COHESIVE, MOIST, FIRM, HYDROCARBON ODOR DETECTED (40.0 - 43.0 FT.).

DARK YELLOWISH ORANGE SILTY CLAY TO CLAY, COHESIVE, SLIGHTLY MOIST, FIRM (43.0 - 45.0 FT.).

BLOW COUNT - 13 OVER 1 FT. INTERVAL. BH-2 @ 45 FT. OVM READING - 31.1 ppm, TPH - 5.3 ppm, DATE COLLECTED - 4/21/04, TIME - 11:08 am.

NOTES:

- SAND (FILL MATERIAL).
- IMPACTED / DISCOLORED SAND.
- SAND.

TOS - Top of 2" PVC 0.010 slotted screen interval.

TD - Total depth of 2" PVC.

OVM - Organic Vapor Meter or Photoionization Detector (PID).

TPH - Total Petroleum Hydrocarbon US EPA method modified 8015B.

ppm - Parts per million or milligrams per liter (mg/L).

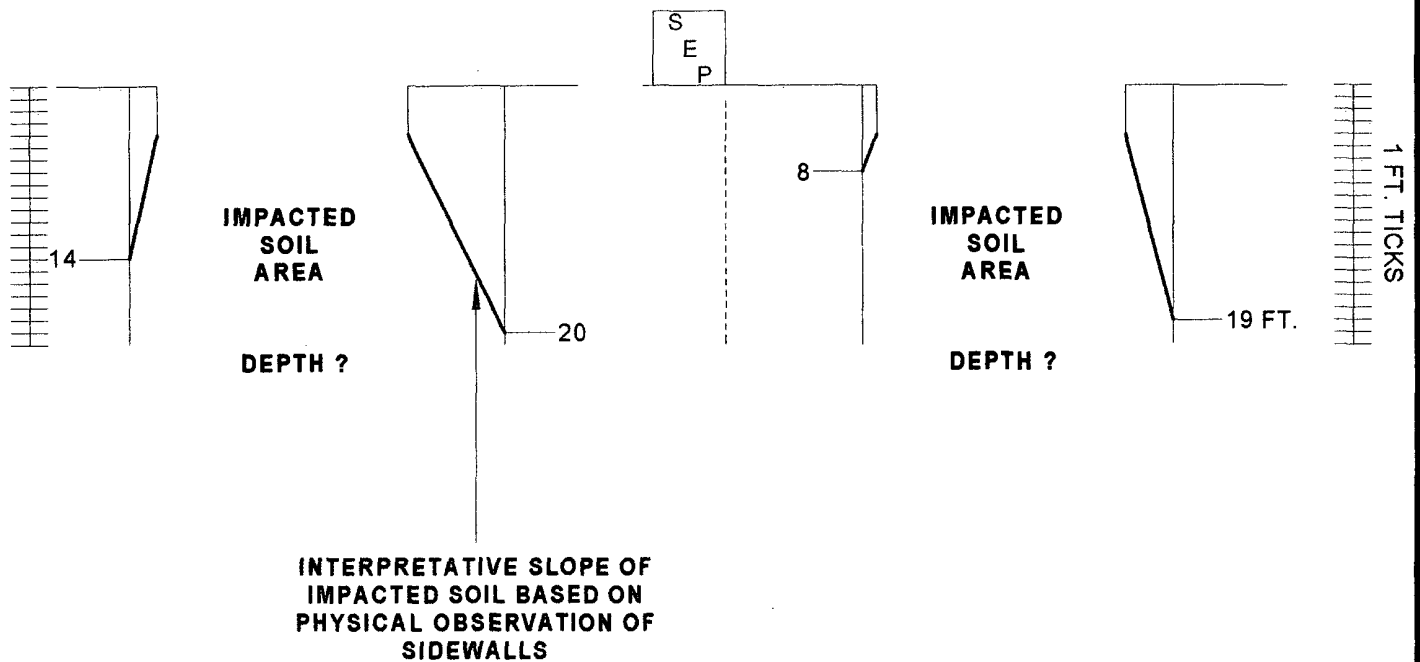
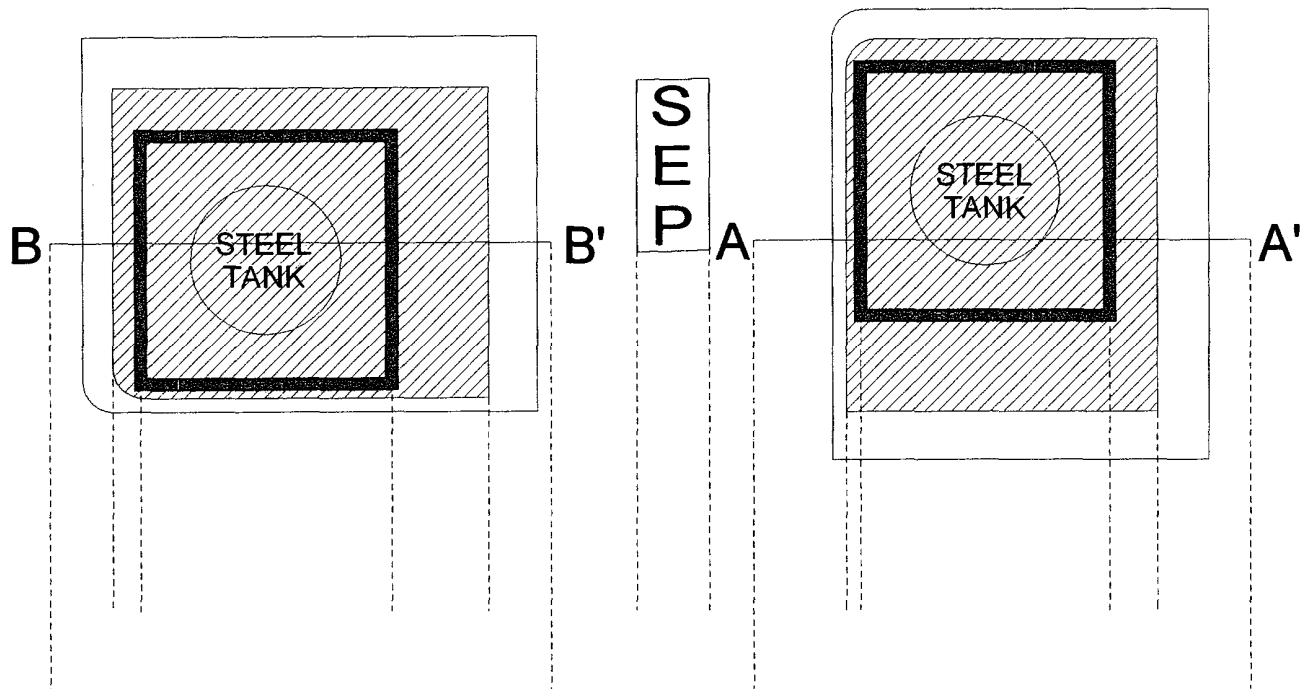
OVM CALIBRATION CHECK - 54.0 ppm with 100 ppm Isobutylene gas & response factor set @ 0.52 ; TIME - 10:00 (prior to sample readings).

DRAWING: HUTCH LS 1-BH2. SKF

DATE: 04/23/04

DWN BY: NJV

FIGURE 2



1 INCH = 15 FT.
0 15 30 FT.

BP AMERICA PRODUCTION CO.
HUTCHIN LS #1
SW/4 NE/4 SEC. 7, T31N, R10W, NMPM
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: REMEDIAL ACTION
DRAWN BY: NJV
FILENAME: HUTCHIN LS 1-CSD.SKF
DRAFTED: 03/04/04 NJV

**CROSS
SECTIONAL
DIAGRAMS**
03/04

Hall Environmental Analysis Laboratory

Date: 01-Mar-04

CLIENT: Blagg Engineering
Lab Order: 0402208
Project: Hutchin LS #1
Lab ID: 0402208-03

Client Sample ID: 1 @ 10' Separator Compressor Pit
Collection Date: 2/25/2004 1:40:00 PM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	6300	250		mg/Kg	50	3/1/2004 11:53:01 AM
Motor Oil Range Organics (MRO)	2900	2500		mg/Kg	50	3/1/2004 11:53:01 AM
Surr: DNOP	0	60-124	S	%REC	50	3/1/2004 11:53:01 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	4900	500		mg/Kg	100	2/27/2004 1:35:45 PM
Surr: BFB	156	74-118	S	%REC	100	2/27/2004 1:35:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	4.6	2.5		mg/Kg	100	2/27/2004 1:35:45 PM
Toluene	ND	2.5		mg/Kg	100	2/27/2004 1:35:45 PM
Ethylbenzene	47	2.5		mg/Kg	100	2/27/2004 1:35:45 PM
Xylenes, Total	400	2.5		mg/Kg	100	2/27/2004 1:35:45 PM
Surr: 4-Bromofluorobenzene	125	74-118	S	%REC	100	2/27/2004 1:35:45 PM

TOTAL TPH = 14,100 ppm

TOTAL BTEX = 451.6 ppm

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 04-May-04

CLIENT: Blagg Engineering
Lab Order: 0404210
Project: Hutchin LS #1
Lab ID: 0404210-01

Client Sample ID: BH2@45'-Sep Comp Pit
Collection Date: 4/21/2004 11:08:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	5.3	5.0		mg/Kg	1	4/30/2004 4:09:44 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2004 4:09:44 PM
Surr: DNOP	116	60-124		%REC	1	4/30/2004 4:09:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/26/2004 9:16:36 PM
Surr: BFB	89.9	74-118		%REC	1	4/26/2004 9:16:36 PM

TOTAL TPH = 5.3 ppm

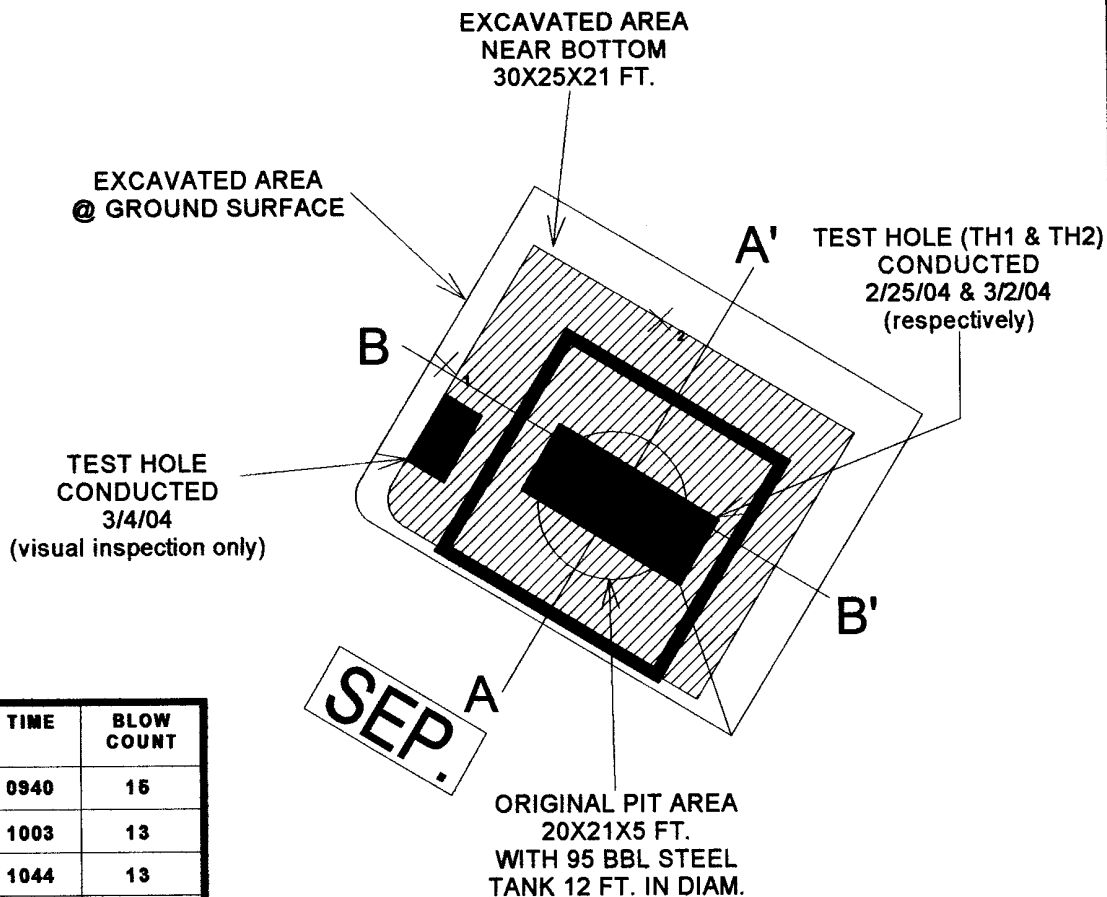
Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

WELL
HEAD



FIGURE 1

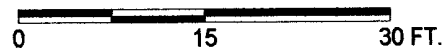


SAMPLE ID	OVM (ppm)	TIME	BLOW COUNT
TH2 @ 30'	1,308	0940	15
TH2 @ 35'	1,833	1003	13
TH2 @ 40'	151	1044	13
TH2 @ 45'	31.3	1108	13

SAMPLE ID	OVM (ppm)	BENZENE (ppm)	TOTAL BTEX (ppm)	TPH (ppm)
TH1 @ 10'	1,487	4.6	451.6	14,100
TH2 @ 20'	1,397	N/A	N/A	N/A

- 1) PIT CENTER MEASURED @ 87 ft., S49E FROM WELL HEAD.
- 2) X₁ SIDEWALL EDGE MEASURED @ 69 ft. FROM WELL HEAD.
- 3) X₂ SIDEWALL EDGE MEASURED 81 ft., S59E FROM WELL HEAD.

1 INCH = 15 FT.



NOTES: OVM = organic vapor meter.
ppm = parts per million.
BTEX = benzene, toluene, ethylbenzene, & total xylenes.
TPH = total petroleum hydrocarbon US EPA method 8015.
TH = test hole (see diagram above).

PERIMETER MEASUREMENTS, DISTANCE / BEARING FROM THE WELL HEAD, & SEPARATOR UNIT LOCATION ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED (LASER RANGE FINDER, TAPE MEASURE, & BRUNTON COMPASS).

BP AMERICA PRODUCTION CO.
HUTCHIN LS #1
SW/4 NE/4 SEC. 7, T31N, R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO

B LAGG ENGINEERING, INC.
CONSULTING PETROLEUM / RECLAMATION SERVICES
P.O. BOX 87
BLOOMFIELD, NEW MEXICO 87413
PHONE: (505) 632-1199

PROJECT: REMEDIAL ACTION
DRAWN BY: NJV
FILENAME: HUTCHIN LS 1-SM.SKF
DRAFTED: 03/04/04 NJV

**SITE
MAP**
03/04