

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
200 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

SEP - R&K -
DHY - R&K -
RECEIVED
OCT 21 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: R. C. RESOURCES COMPANY INC. Telephone: (505) 326-6903

Address: 501 AIRPORT DR., SUITE 161, FARMINGTON, NEW MEXICO 87499

Facility Or: HODGES #15
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 27 T26N R 8W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 15', width 16', depth 8'
(Attach diagram) Reference: wellhead ☒, other ☐

Footage from reference: 85'

Direction from reference: 68 Degrees ☐ East North ☒
of ☒ West South ☐

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 0

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) 0
No (0 points) 0

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points) 0
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____

Date Completed: 7/25/95

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 50

Landfarmed ☒

Insitu Bioremediation _____

Other _____

Remediation Location:

Onsite ☒ Offsite _____

(ie. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: _____

Excavation - NEARLY ENTIRE PTT COMPOSED OF BEDROCK. SEE

PTT PROFILE ON FIELD REPORT: CLOSURE VERIFICATION SHEET

(ATTACHED).

Ground Water Encountered:

No ☒

Yes _____

Depth _____

Final Pit:

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location see Attached Documents

Sample depth 8'

Sample date 7/25/95

Sample time 1400

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 512

TPH _____

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 7/25/95

SIGNATURE

PRINTED NAME
AND TITLE

ROBERT R. CLICK - President

CLIENT: <u>R.R. CLICK</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8R302</u> C.D.C. NO: _____
---------------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>HODGES</u> WELL #: <u>15</u> PIT: <u>SEP</u> QUAD/UNIT: <u>B</u> SEC: <u>27</u> TWP: <u>26N</u> RNG: <u>8W</u> PM: <u>Nm</u> CNTY: <u>JT</u> STNM: _____ QTR/FOOTAGE: <u>NW/4</u> <u>NE/4</u> CONTRACTOR: <u>EPC</u>	DATE STARTED: <u>7/25/95</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
---	---

EXCAVATION APPROX. 15' FT. x 16' FT. x 8' FT. DEEP. CUBIC YARDAGE: 50

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: SF - 078432 FORMATION: DR

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 85 FT. N68W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE :
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED
 FIBERGLASS

NEARLY ENTIRE PIT COMPOSED OF SANDSTONE,
 SOFT (NEAR SURFACE) TO HARD (BOTTOM), BLACK DISCOLORATION
 SATURATED W/ APPARENT HC FLUIDS INITIALLY DURING EXCAVATION,
 STRONG HC ODOR IN OVM SAMPLE.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

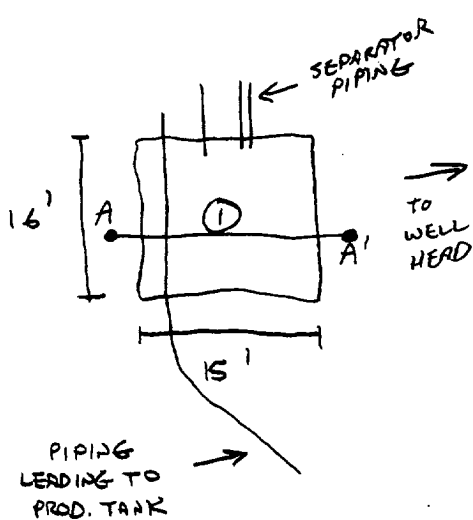
SCALE



0 FT



PIT PERIMETER

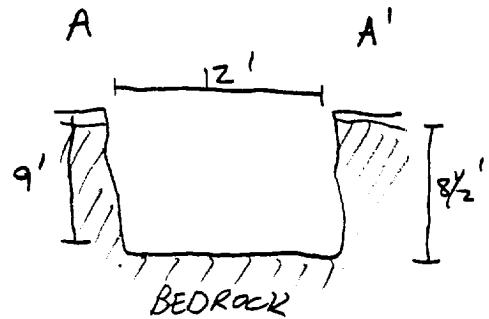


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 8'	512
2	
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 7/25/95 MORN. ONSITE: 7/25/95 MORN.

000 Rio Brazos Rd, Aztec, NM 87410

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

RANKING SCORE (TOTAL POINTS) : 0

Date Remediation Started: _____

Date Completed: 7/25/95

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 7

Landfarmed ☒

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation - NEARLY ENTIRE PIT COMPOSED OF BEDROCK. SEE
PIT PROFILE ON FIELD REPORT: CLOSURE VERIFICATION SHEET
(ATTACHED).

Ground Water Encountered: _____

No ☒

Yes _____

Depth _____

Final Pit:

Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 2'

Sample date 7/25/95

Sample time 1330

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 62.6

TPH 384 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 7/25/95

SIGNATURE

PRINTED NAME
AND TITLE

Robert R. Click - President

CLIENT: <u>R.R. CLICK</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>82302</u> C.D.C. NO: _____
---------------------------	--	---


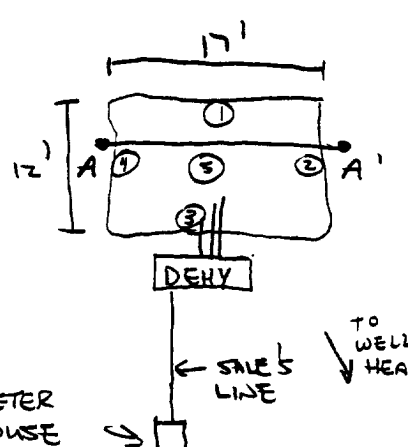
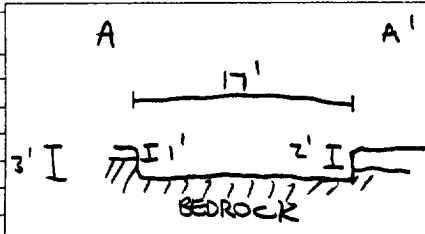
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>HODGES</u> WELL #: <u>15</u> PIT: <u>DEHY</u>		DATE STARTED: <u>7/25/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>B</u> SEC: <u>27</u> TWP: <u>26N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NW 1/4 NE 1/4</u> CONTRACTOR: <u>EPC</u>		

EXCAVATION APPROX. <u>17</u> FT. x <u>12</u> FT. x <u>3</u> FT. DEEP. CUBIC YARDAGE: <u>7</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF-078432</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>114</u> FT. <u>N3E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>7100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM

SOIL AND EXCAVATION DESCRIPTION:	<input type="checkbox"/> CHECK ONE : <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> <u>STEEL</u> TANK INSTALLED <u>FIBERGLASS</u>
<p>DK. YELL. BROWN SAND NON-COHESIVE SLIGHTLY MOIST, FIRM TO DENSE, SLIGHT HC ODOR IN EAST SIDEWALL OUM SAMPLE. BEDROCK ENCOUNTERED ONE FOOT BELOW GROUND SURFACE ON ALL SIDEWALLS EXCEPT EAST (TWO FEET).</p> <p><u>BOTTOM - SANDSTONE, HARD, MED. GRAY DISCOLORATION, STRONG HC ODOR.</u></p>	

FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1330	222'	TPH-1544	5	20	1:1	96	384

<p>SCALE</p>  <p>0 FT</p> <p>PIT PERIMETER</p> 	<p>OVM RESULTS</p> <table border="1" style="width:100%"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1 @ 1'</td><td>0.0</td></tr> <tr><td>2 @ 2'</td><td>62.6</td></tr> <tr><td>3 @ 1'</td><td>6.8</td></tr> <tr><td>4 @ 1'</td><td>16.1</td></tr> <tr><td>5 @ 3'</td><td>57.1</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> <p>LAB SAMPLES</p> <table border="1" style="width:100%"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 1'	0.0	2 @ 2'	62.6	3 @ 1'	6.8	4 @ 1'	16.1	5 @ 3'	57.1											SAMPLE ID	ANALYSIS	TIME																<p>PIT PROFILE</p> 
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																									
1 @ 1'	0.0																																									
2 @ 2'	62.6																																									
3 @ 1'	6.8																																									
4 @ 1'	16.1																																									
5 @ 3'	57.1																																									
SAMPLE ID	ANALYSIS	TIME																																								

TRAVEL NOTES: CALLOUT: <u>7/25/95 MORN.</u> ONSITE: <u>7/25/95 MORN.</u>
--

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client: R.R. CLICK
Sample ID: 2 @ 2'
Project Location: Hodges 15
Laboratory Number: TPH-1544

Project #:
Date Analyzed: 07-25-95
Date Reported: 07-25-95
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	380	20

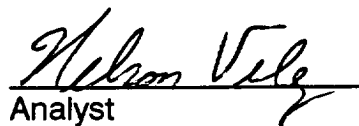
ND = Not Detectable at stated detection limits.

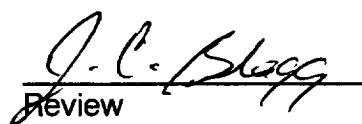
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	1040	956	8.42

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: Dehydrator Pit - BR302


Analyst


Review

CLIENT: <u>RL RESOURCES</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BR302</u> C.D.C. NO: <u>7191</u>
-----------------------------	--	---

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>HODGES</u>	WELL #: <u>15</u>	PITS: <u>DEHY</u>	DATE STARTED: <u>8.18.99</u>
QUAD/UNIT: <u>B</u>	SEC: <u>27</u>	TWP: <u>26N</u> RNG: <u>8W</u>	PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>
QTR/FOOTAGE: <u>790N / 1850E</u>			CONTRACTOR: <u>EPC</u>
			ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 57

LAND USE: RANGE LIFT DEPTH (ft): —

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

MODERATE YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM.

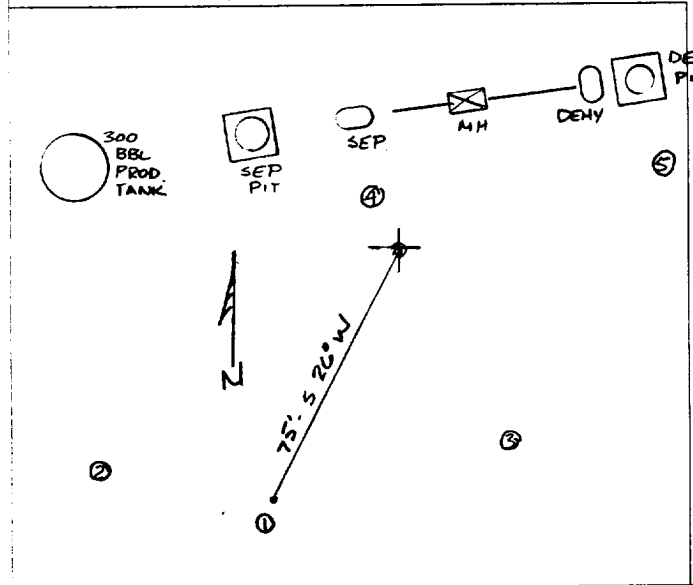
NO VISIBLE LANDFARM, COLLECTED SAMPLES FROM WELL PAD. (SEE SKETCH BELOW)

NO APPARENT STAINING. NO HC ODOR DETECTED. SAMPLING DEPTHS RANGE FROM 6" - 8". COLLECTED A SPT. COMPOSITE SAMPLE FOR LAB ANALYSIS

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS

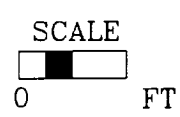


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (80.5)	1430	0.8



TRAVEL NOTES: CALLOUT: NA ONSITE: 8.18.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

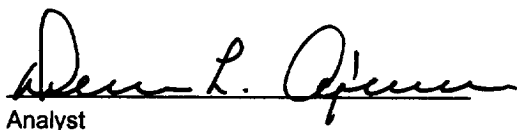
Client:	Blagg / RC Resources	Project #:	403410
Sample ID:	LF - 1	Date Reported:	08-19-99
Laboratory Number:	F935	Date Sampled:	08-18-99
Chain of Custody No:	7191	Date Received:	08-19-99
Sample Matrix:	Soil	Date Extracted:	08-19-99
Preservative:	Cool	Date Analyzed:	08-19-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.8	0.1
Total Petroleum Hydrocarbons	0.8	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: Hodges 15 LF. 5 Pt. Composite.


Analyst


Review

7191

Client / Project Name			Project Location			ANALYSIS / PARAMETERS											
BAAQ/BC RESOURCES			HODGES 15														
Sampler: REP			Client No. 403410														
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)											
LF-1	8.8.99	1430	F935	501L	1	✓					SP. CONTAMINANTS						
											SAMPLE PRESERVED						
											COOL						
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time		
Relinquished by: (Signature)			8.9.99			0710			Steven L. Ogden			8.19.99			0710		
Relinquished by: (Signature)									Received by: (Signature)								
Relinquished by: (Signature)									Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615															Sample Receipt		
															Received Intact		
															Cool - Ice/Blue Ice		