

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

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

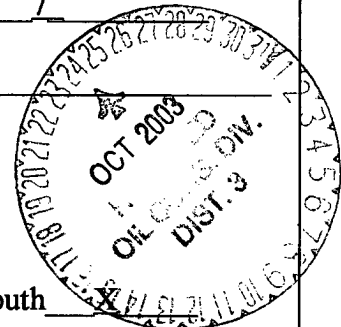
Risk Vulnerable  
Area  
TPH 1750  
Submit 1 copy to  
appropriate  
District Office  
and 1 copy to  
the Santa Fe Office

Revised June 10, 2003

**PIT REMEDIATION AND CLOSURE REPORT**

30-039-22932

Operator: <u>Dominion Oklahoma Texas Exploration &amp; Production Inc.</u> Telephone: <u>325-387-5355 ext.7239</u>		
Address: <u>P.O. Box 525 Sonora, Texas 76950</u>		
Facility Or: <u>MKL 5A</u>		
Well Name		
Location: Unit or Qtr/Qtr Sec <u>SWSE</u> Sec <u>6</u> T <u>26N</u> R <u>7W</u> County <u>Rio Arriba</u>		
Pit Type: Separator <u>X</u> Dehydrator _____ Other _____		
Land Type: BLM <u>X</u> State _____, Fee _____ Other _____		
Pit Location: Pit dimensions: length <u>16</u> , width <u>12</u> , depth <u>7</u> (Attach diagram) Reference: wellhead _____, other <u>Stock tanks</u> Footage from reference: <u>20 ft.</u> Direction from reference: <u>180</u> 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 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) ( 0 points) <u>20</u>
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) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) ( 0 points) <u>20</u>
RANKING SCORE (TOTAL POINTS):		<u>40</u>



Date Remediation Started: 11 October 1996 Date completed: 18 June 1998

Remediation Method: Excavation X Approx. cubic yards 50 yards  
(Check all appropriate sections.) Landfarmed X Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_  
(i.e. landfarmed onsite,  
name and location of  
offsite facility) \_\_\_\_\_

General Description of Remedial Action: \_\_\_\_\_

Placed excavated soil in landfarm. Turn soil and fertilize periodically and sample.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

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

Sample location Attached

Sample depth 23'

Sample Date 9/8/97 Sample time 15:15 hours

Sample Results Attached

Benzene(ppm) ND

Total BTEX(ppm) 0.213

Field headspace(ppm) \_\_\_\_\_

TPH 1750

1527  
3/2/04



Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

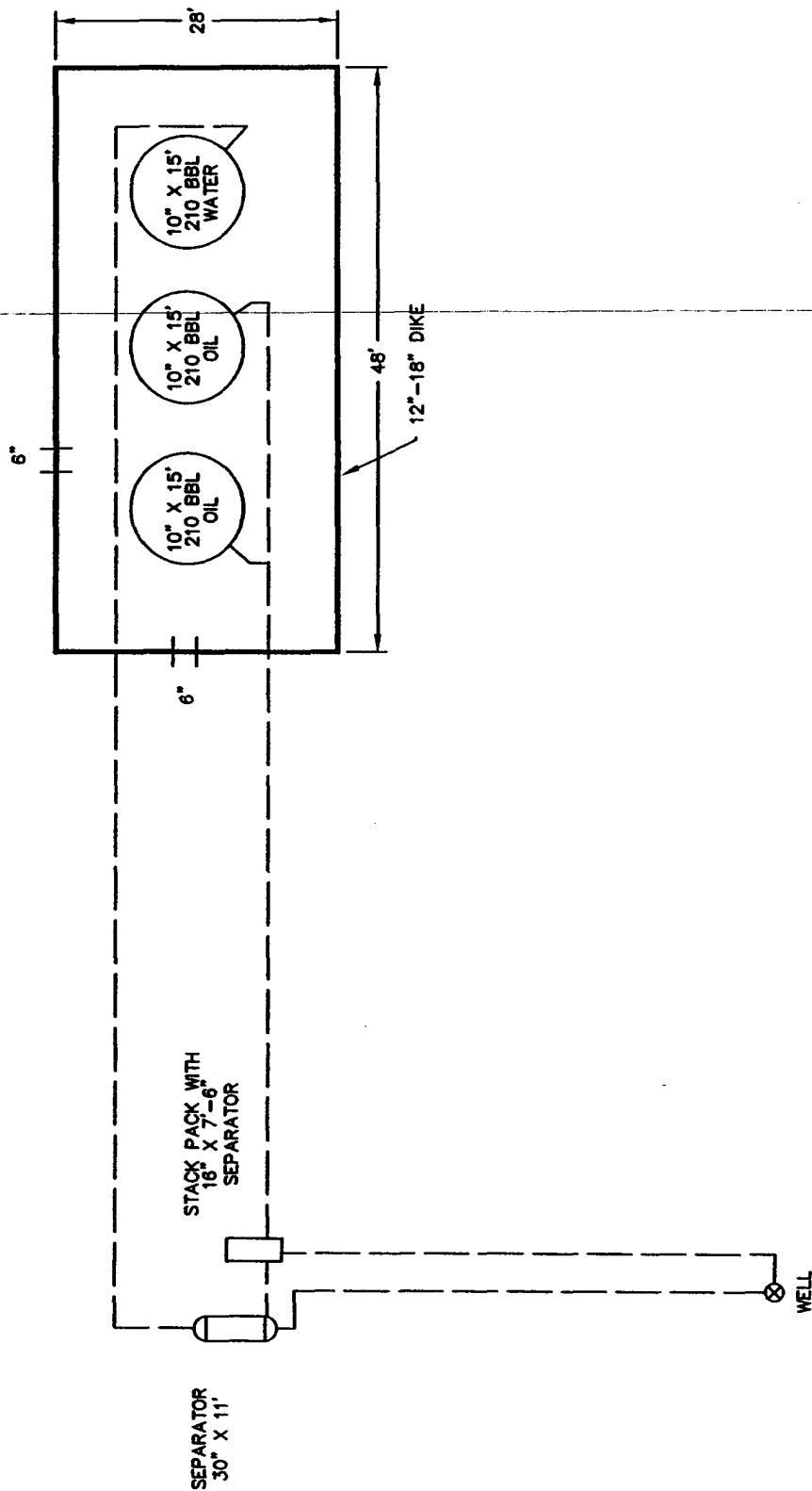
Signature Tommy H. Arnwine Date 10-16-03

Printed Name Tommy H. Arnwine Title Senior Environmental & Safety Specialist

E-mail Address Tommy\_H\_Arnwine@dom.com

NOR. ---

FLOW



RIO ARriba COUNTY, NEW MEXICO

DOMINION EXPLORATION &  
PRODUCTION, INC.  
WESTERN DISTRICT

MKL 5-A TB

10/9/02

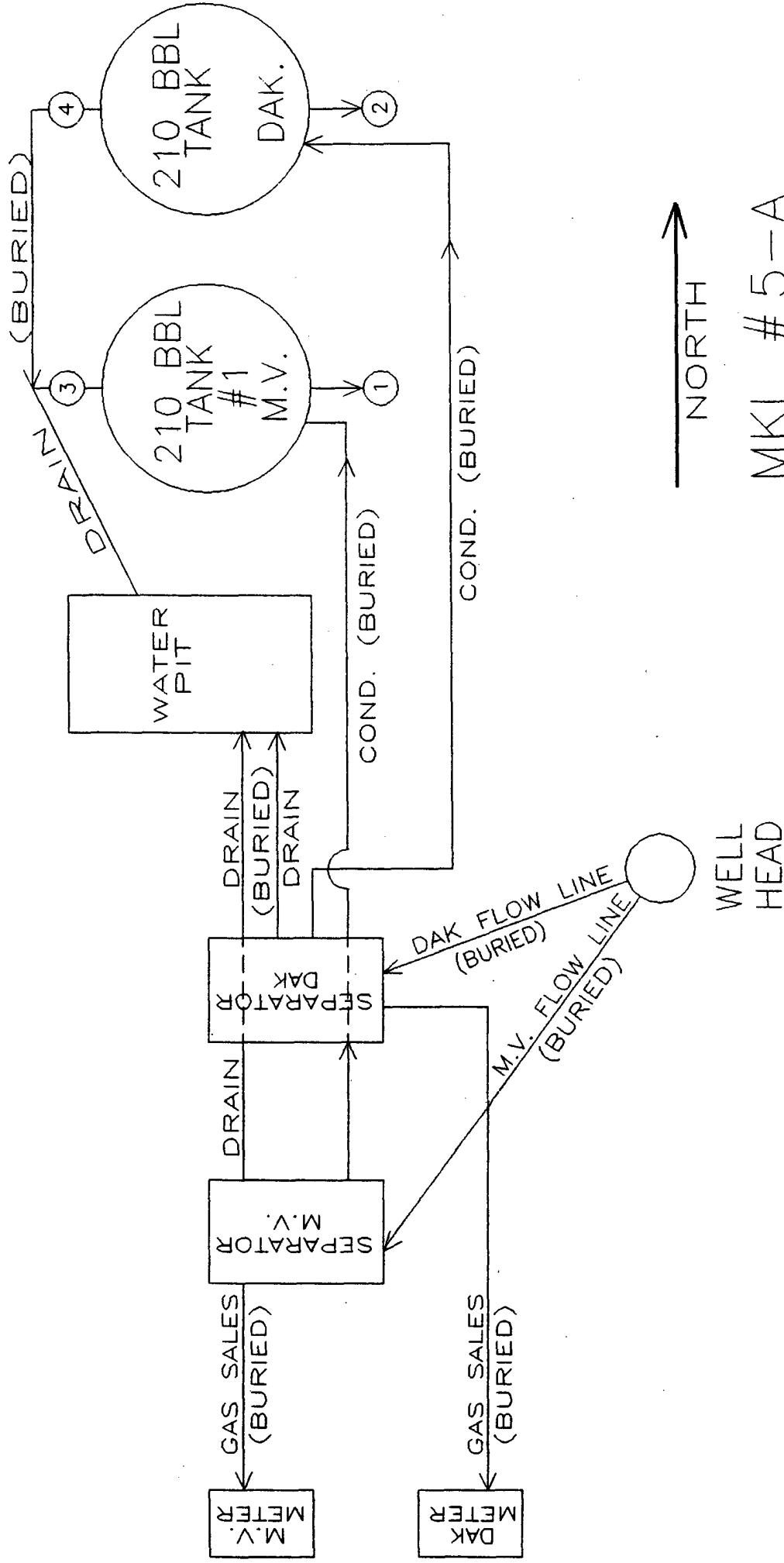
HIGHLANDER ENVIRONMENTAL CORP.  
MIDLAND, TEXAS

DATE:  
10/21/02

DWG. BY:  
JDA

FILE:  
ENVIRONMENTAL  
MKT-5-A

NOT TO SCALE



- ①② Oil sales outlets - 2", Sealed  
 ③④ Drain line to pit - 2", Sealed

MKL #5-A

DEKALB

SO. BLANCO P.C.

LEASE NO. SF079162

SW/4 SE/4 SEC. 6 T26N-R7W  
 RIO ARriba COUNTY, NEW MEXICO

## ANALYTICAL REPORT

Date: 17-Sep-97  
COC No.: 4319  
Sample No.: 16106  
Job No.: 2-1000

**Project Name:** *Louis Dryfus National Gas - Federal 8-22*

**Project Location:** *FED8-201; Bottom, 23'*

Sampled by: PRC

Date: 8-Sep-97 Time: 15:15

Analyzed by: DC

**Date:** 11-Sep-97


**Sample Matrix:** *Soil*

### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	2	ug/kg
<i>Toluene</i>	14	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	28	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	146	ug/kg	2	ug/kg
<i>o-Xylene</i>	25	ug/kg	2	ug/kg
	<i>TOTAL</i>	213	ug/kg	

ND - Not Detected at Limit of Quantitation

**Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography**

Approved by:   
Date: 9/17/57

**P.O. BOX 2606 • FARMINGTON, NM 87499**

## - TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Shawn Adams*  
Company: *Contract Environmental Services, Inc.*  
Address: *P.O. Box 3376*  
City, State: *Farmington, NM 87499*

Date: *15-Sep-97*  
COC No.: *4319*  
Sample No.: *16106*  
Job No.: *2-1000*

Project Name: *Louis Dryfus National Gas - Federal 8-22*

Project Location: *FED-8-201; Bottom, 23'*

Sampled by: *PRC* Date: *8-Sep-97* Time: *15:15*

Analyzed by: *HR* Date: *10-Sep-97*

Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>1750</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

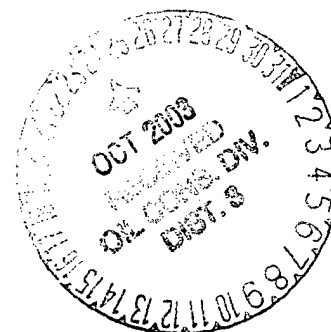
#### Quality Assurance Report

##### Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>ND</i>	<i>ND</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSSI</i>	<i>920</i>	<i>800-1200</i>	<i>mg/kg</i>

##### Duplication

Laboratory Identification	RPD	Limit RPD
<i>16105-4319</i>	<i>4.5</i>	<i>15.0</i>



Approved by: *[Signature]*  
Date: *9/15/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

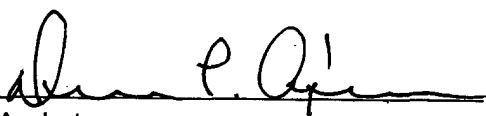
Client:	Dominion Exp. & Prod.	Project #:	03101-002
Sample ID:	MKL - 5A	Date Reported:	09-15-03
Laboratory Number:	26588	Date Sampled:	09-12-03
Chain of Custody No:	11311	Date Received:	09-12-03
Sample Matrix:	Soil	Date Extracted:	09-15-03
Preservative:	Cool	Date Analyzed:	09-15-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

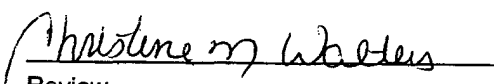
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **MKL - 5A - Landfarm.**

  
Analyst

  
Review