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REPORTS

DATE:

4/2006

GENERAL REMEDIATION WORK PLAN

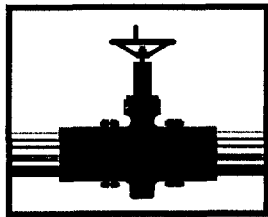
Clay Osborn
Rocky Top Ranch Sites
Jal, Lea County, New Mexico
Sections 7, 12 and 13, T25S R36E
Sections 7 and 18, T25S R37E

April 2006

Prepared For:

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Prepared By:



PLAINS
PIPELINE, L.P.

Plains Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

DISTRIBUTION LIST

Ed Martin – Environmental Engineer
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
emartin@state.nm.us

Camille Reynolds - Remediation Coordinator
Plains Pipeline, L.P.
P. O. Box 3319
Midland, TX 79702
cjreynolds@paalp.com

Jeff Dann – Senior Environmental Specialist
Plains Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, TX 77002
jpdann@paalp.com

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1.0 BACKGROUND

Plains Pipeline, L.P. (Plains) is the owner/operator of several pipelines present on the Clay Osborn Rocky Top Ranch property located in Jal, New Mexico. These pipeline assets were acquired by Eott Energy (later renamed Link Energy) from Shell and from Texas-New Mexico Pipe Line Company (TNMPLC) between 1993 and 1999. Plains acquired the Link Energy assets on April 1, 2004.

The Rocky Top Ranch is located in southern Lea County, New Mexico approximately $\frac{3}{4}$ -mile northwest of Jal and made up of the SE $\frac{1}{4}$ of Section 7, the S $\frac{1}{2}$ of Section 12 and the entire Section 13 of Township 25 South (T25S) and Range 36 East (R36E) and the S $\frac{1}{2}$ of Section 7 and the entire Section 18 of T25S and R37E.

This General Work Plan is provided for NMOCD review and approval. A list of the ten (10) sites that are the subject of this General Work Plan is included in Table 1 in Attachment A. A Site Location Map is included as Figure 1 in Attachment B. Please note that a site-specific work plan will be prepared for each site and will include a summary of the investigation data, categorization of the site based on site-specific characteristics, and a detailed summary of the proposed remedial activities.

2.0 PLAN OBJECTIVES

Plains proposes to remediate crude oil impacted sites at the Rocky Top Ranch, consistent with the remediation/abatement goals and objectives set forth in the New Mexico Oil Conservation Division (NMOCD) "*NMOCD Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993.*" In addition, when applicable, appropriate risk-based thresholds for the contaminants of concern (CoCs) will be proposed based on the relative risk posed by the CoC residuals to local groundwater, area water wells, surface water bodies and impacts on surface reclamation success.

Plains has prepared the following general work plan for typical or standardized soil remediation objectives that will: 1) limit the amount of surface impact to the areas surrounding each of the remediation sites; 2) be effective on all the sites so that remediation at each site can be conducted in a similar manner; 3) be in accordance with New Mexico Oil Conservation Division (NMOCD) general soil remediation guidelines and accepted practices for the area; and 4) use risk-based remediation principles when and where practical. Information gathered during the subsurface site investigations conducted in these impacted areas in 2001 revealed three (3) potential remediation scenarios: 1) sites where the surface areas have restored themselves naturally, the surface expression of the release is difficult to identify, and the impacts are limited to the surface and/or shallow soils; 2) sites where impacts are limited in depth and total excavation and treatment of the impacted soil is practical; and, 3) sites where soil impacts are deeper and partial excavation of the impacted soil with risk-based closure is warranted. The investigation data also indicates that soil impacts are generally deeper at the source of pipeline leak and shallower along the

flowpath. Prior to initiating any remedial activities at these sites, several of the sites will require soil delineation and evaluation of potential groundwater impacts. Each remediation scenario is described further in Section 5.0 below.

3.0 INVESTIGATION AND DELINEATION OF NEW SITES

There are four (4) previously, uninvestigated historical sites that are potentially subject to remediation. Plains will conduct a site investigation at each location to delineate the vertical and horizontal extent of soil impacts and assess the potential impact to groundwater. In the event one or more of the six (6) previously identified sites requires additional delineation prior to or during the soil remediation phase of work, Plains will conduct these activities. The site-specific Work Plan for each site will contain details of the proposed investigation activities such as location, number and depth of soil borings as well as a sampling and analysis plan.

4.0 PROPOSED TPH AND BTEX REMEDIAL GOALS

Based on the results of the previous investigation activities, the site-specific remedial goals in soil are 10 mg/Kg for benzene, 50 mg/Kg for BTEX and 100 mg/Kg for TPH. However, for those sites where risk-based closure will be proposed, Plains will install an impermeable liner at a depth of 10 to 15 feet bgs to isolate the deeper soil impacts and the treated soils, and the site-specific remedial goals of 10 mg/Kg benzene, 50 mg/Kg BTEX, and 100 mg/Kg TPH will only apply to the sidewalls (lateral extent) of the excavation. For soils excavated, treated, and utilized as backfill over a liner, the site-specific remedial goals will be 10 mg/Kg benzene, 50 mg/Kg BTEX, and 2,000 mg/Kg TPH.

NO
1,000
ppm

5.0 REMEDIATION STRATEGIES

5.1 SURFACE RESTORATION SITES (SCENARIO 1)

For at least one of the known sites, the investigation data indicates the surface area has restored itself naturally, the surface expression of the release is difficult to identify, the impacts are limited to the surface and/or shallow soils, and there is no threat to groundwater. Listed below are the typical steps involved for a site in this category.

- Scrape the surface asphaltines where apparent and remove;
- Blend the underlying 1 to 2 feet of soil with native soil and contour;
- Do not disturb areas that have already re-vegetated.

5.2 TOTAL EXCAVATION (SCENARIO 2)

At several of the sites, investigation data indicates that soil impacts are limited in vertical extent (i.e. 10 to 15 feet in depth) and total excavation of the impacted soil is practical. Listed below are the typical steps involved for a site in this category.

- Excavation of impacted soil to below site guidelines.
- Collect and analyze soil samples from the walls and floor of the excavation to confirm that the remediation has met the site guidelines.
- 2. • Relocation of excavated soil to the centralized soil treatment area for blending and aeration.
- Collect and analyze treated soil to confirm that the soil treatment activities have met the site guidelines.
- Prepare a risk-based closure proposal for submittal and approval by the NMOCD.
- Install an impermeable liner in the bottom of the excavation to isolate the excavated/treated soils from the underlying non-impacted soils to prevent vertical migration of petroleum hydrocarbons and allow these soils to further attenuate over time (see liner detail below).
- Backfill the excavation with treated soil and restore the area to as close as possible to pre-spill conditions.

REVEGETATION ?

5.3 LIMITED EXCAVATION AND RISK-BASED CLOSURE (SCENARIO

3)

At several of the sites, investigation data indicates that soil impacts in the source area extend to between 10 feet and 45 feet below ground surface and excavation of all of the impacted soil to below NMOCD guidelines is not practical for these sites. Several of these sites also have an impacted "flowpath" area where the depth of the soil impacts are generally less than 10 feet in depth and excavation of the flowpath area is practical. Listed below are the typical steps involved for a site in this category.

- Excavation of impacted soil to approximately 10 feet below ground surface where investigation data indicates deeper soil impacts remain.
- If portions of the impacted area (flowpath for example) appear to be shallow, then excavate the impacted soil from shallow impacted areas to below NMOCD guidelines.
- Collect and analyze soil samples from the walls and floor of the excavation to confirm that the horizontal extent of the soil remediation effort has met the site guidelines.
- 1. • Relocation of excavated soil to the centralized soil treatment area for blending and aeration.
- Collect and analyze treated soil to confirm that the soil treatment activities have met the site guidelines.
- Prepare a risk-based closure proposal for submittal and approval by the NMOCD.
- Install an impermeable liner in the bottom of the excavation to isolate the impacted soil and prevent vertical migration of petroleum hydrocarbons (see liner details below).
- Backfill the excavation with treated soil and restore the area to as close as possible to pre-spill conditions.

5.4 LINER DETAILS

Soils impacted above site standards will be isolated from the near surface environment with the installation of an oversized 20 mil polyethylene liner that is impermeable and impervious to water and petroleum hydrocarbon. Establishment of the 3-foot wide clean area buffer around the contaminated soil in the floor of the excavation will be determined using a calibrated photoionization detector (PID) and confirmed by laboratory analysis of grab samples collected around the perimeter of the excavation. The liner shall be cushioned above and below with a 3 to 4-inch layer of sand or a geotextile to protect it from puncture and tearing during the backfilling process. After the liner has been properly installed, the excavation will be backfilled with soil remediated to acceptable levels in the soil treatment area, contoured to the natural grade and seeded with a seed mix acceptable to the landowner.

6.0 SAMPLING AND LABORATORY ANALYSIS

The Work Plan soil sampling program will consist in general of the collection of an appropriate number of confirmation soil samples from the walls and floor of the excavations and from the treated soil stockpiles. Each site-specific Work Plan will include details as to the number and location of confirmation soil samples. Soil samples will be analyzed for TPH gasoline range organics (GRO) and TPH diesel range organics (DRO) utilizing EPA Method SW-846 #8015 and benzene, toluene, ethylbenzene and xylene (BTEX) using EPA Method SW-846 #8021b.

The soil samples collected will be placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a cooler which was secured with a custody seal. The samples and completed chain-of-custody forms will be relinquished to the selected laboratory for analysis.

7.0 CENTRALIZED SOIL TREATMENT FACILITY

Plains proposes to utilize the soil landfarm area currently located adjacent to the Jalmat #22A site as a centralized soil treatment and processing area. Prior to transporting the excavated soil to this area, the existing soil in the landfarm will be pushed up into stockpiles with a bulldozer to be later utilized as blending material during the soil treatment process. Soil excavated from each of the remediation sites will be loaded and transported to this centralized soil treatment facility where the soil will be blended, screened, and/or aerated to reduce contaminant concentrations to Work Plan limits (10 mg/Kg benzene, 50 mg/Kg BTEX, and 2,000 mg/Kg TPH). Treated soils will be segregated into approximate 500 cubic yard stockpiles.

To verify that the soil treatment process has met the Work Plan objectives, a composite soil sample will be collected and analyzed from each 500 cubic yard stockpile. Soil samples will be analyzed for TPH gasoline range organics (GRO) and diesel range organics (DRO) utilizing EPA Method SW-846 #8015 and benzene, toluene, ethylbenzene and xylene (BTEX) using EPA Method SW-846 #8021b. If laboratory results indicate the stockpile sample is below the site-specific remediation goals, the stockpiled soil will be flagged as ready to be utilized for backfill over a liner. In the event the

stockpile analytical results indicate TPH and/or BTEX results above the site-specific remediation goals, then the stockpile will be reprocessed and the sampling/verification procedure will be repeated.

8.0 BACKFILL AND SITE RESTORATION

Upon verification that the excavation activities have met the goals of the Work Plan, each site will be backfilled with treated soil that has also met the objective of the Work Plan for reuse as backfill. The backfill will be placed and compacted in lifts and the surface will be contoured to match the surrounding area. The site will be reseeded with a native grasses.

9.0 NOTIFICATIONS

At least 48-hours prior to collecting laboratory samples, Plains will notify the Hobbs, New Mexico office of the NMOCD of the intent to collect laboratory samples.

10.0 REPORTING

Remediation and monitoring activities and analytical information will be summarized in a closure report for each individual release site and submitted to the NMOCD requesting "no further action" be required at that particular site.

11.0 SITE RESTORATION

After the sites have been backfilled, the landfarm area and remediated release site will be reseeded. Follow-up inspections will be made at least quarterly to verify acceptable revegetation of the landfarmed area and the other areas disturbed during remediation of the sites.

TABLES

**Plains Pipeline, L.P.
Clay Osborn – Rocky Top Ranch Sites
Jal, Lea County, New Mexico**

Site Name	Legal Description	GPS Coordinates
Jalmat #1	Section 7, T25N, R37E	Lat : 32.1403 N Long : 103.2106 W
Jalmat #2	Section 7, T25N, R37E	Lat : 32.1408 N Long : 103.2106 W
Jalmat #3	Section 7, T25N, R37E	Lat : 32.1378 N Long : 103.2106 W
Jalmat #22A	Section 18, T25N, R37E	Lat : 32.1328 N 328 / 328 Long : 103.2106 W
Jalmat #22B	Section 18, T25N, R37E	Lat : 32.1319 N Long : 103.2106 W
Shell North 6" (East of Road)	Section 12, T25N, R36E	Lat : 32.1428 N Long : 103.2161 W
TM -245-2	Section 18, T25N, R37E	Lat : 32.1314 N Long : 103.2105 W
DT-27	Section 7, T25N, R37E	Lat : 32.1402 N Long : 103.2104W
SH 0193-2	Section 12, T25N, R36E	Lat : 32.1418 N Long : 103.2125 W
SH 0184-1	Section 18, T25N, R37E	Lat : 32.1313 N Long : 103.1983 W

1R-412

1R-411

1R-83

CLAY

ORN ROCKY TOP RANCH
GENERAL REMEDIATION
WORK PLAN

FIGURES

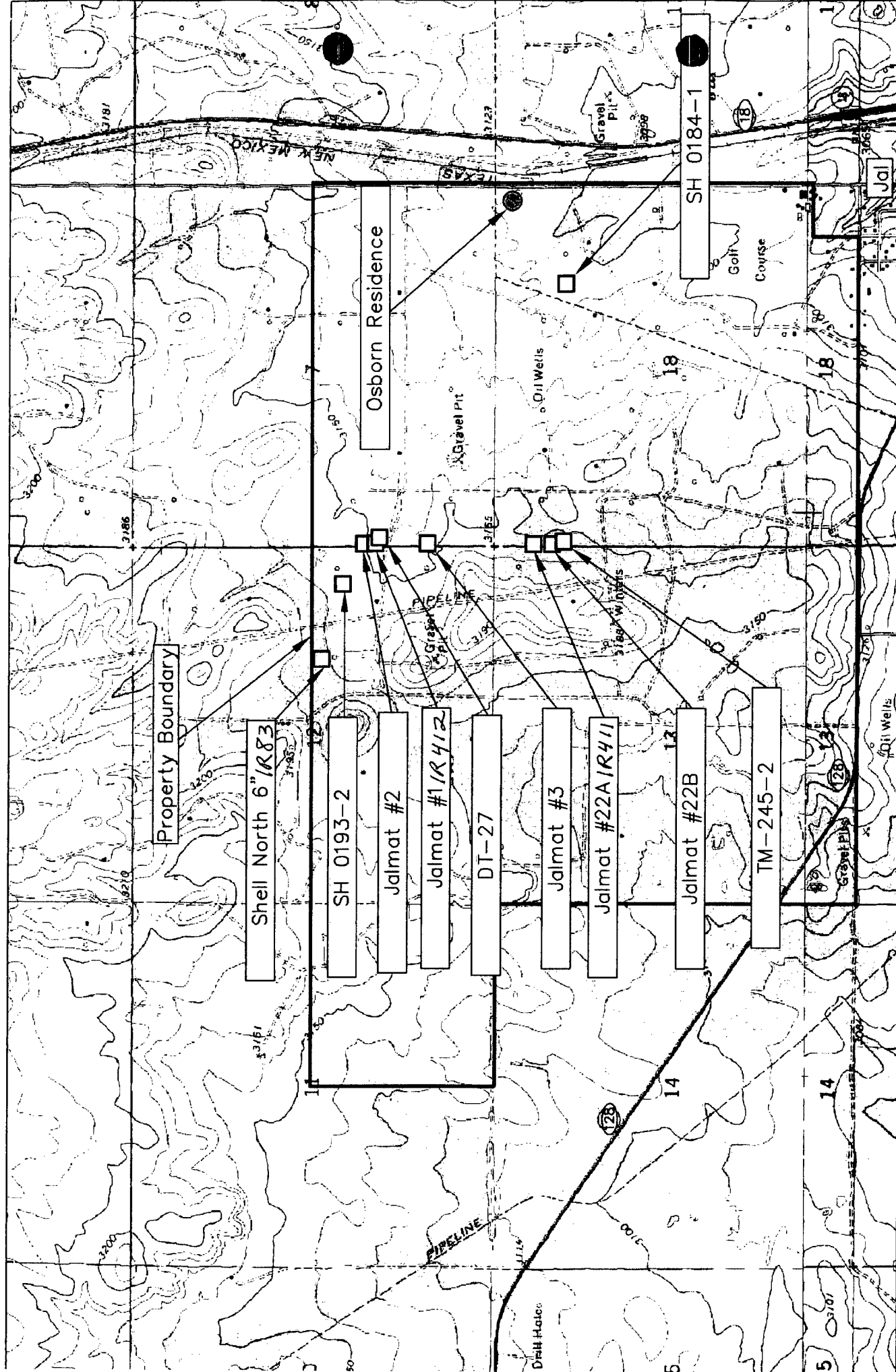
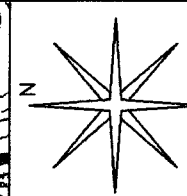


Figure 1
Area Map
Plains Pipeline, L.P.
Clay Osborn Rocky Top Ranch

Lea County, New Mexico
SE 1/4 Sec. 11, S 1/2 Sec. 12, & 13 T25S R36E
S 1/2 Sec. 7 and Sec. 18, T25S R37E
Elevation: ~3,100 feet amsl

DWG By: Daniel Dominguez
January 2006
REvised:
0 2000 4000 SHEET
1 of 1
Feet



AGREEMENT OF SETTLEMENT AND RELEASE

THIS AGREEMENT OF SETTLEMENT AND RELEASE (the "Agreement"), made and entered into as of the ____ day of _____, 2006, by WILBUR C. OSBORN and GERALDINE B. OSBORN, for the benefit of TEXAS-NEW MEXICO PIPELINE COMPANY INC., SHELL PIPELINE COMPANY LP, TEXACO PIPELINE INC., SHELL PIPE LINE LLC (DE) TEXACO TRADING AND TRANSPORTATION INC., EQUILON ENTERPRISES LLC d/b/a SHELL OIL PRODUCTS US, EQUILON PIPELINE COMPANY LLC n/k/a SHELL PIPELINE COMPANY LP, SHELL OIL COMPANY, PLAINS PIPELINE, L.P. and all other "Released Entities" as further defined below:

RECITALS

(A) Landowners are the owners of the "Property" (further defined in Exhibit 1 hereto) or have the legal right and authority, through binding legal agreements, to control or act on behalf of any other interest holders of the Property, including the right to settle and release any and all claims with respect to the Property.

(B) The term "Released Entities" shall mean and include TEXAS-NEW MEXICO PIPELINE COMPANY INC. INC., SHELL PIPELINE COMPANY LP, TEXACO PIPELINE INC., SHELL PIPE LINE LLC (DE) TEXACO TRADING AND TRANSPORTATION INC., EQUILON ENTERPRISES LLC d/b/a SHELL OIL PRODUCTS US, EQUILON PIPELINE COMPANY LLC n/k/a SHELL PIPELINE COMPANY LP, SHELL OIL COMPANY, PLAINS PIPELINE, L.P., and all their respective successors, assignees, representatives, officers, directors, employees, agents, principals, parents, subsidiaries, affiliates, partners, members,

predecessors, insurers, including American International Specialty Lines Insurance Company, servants, and attorneys, including Miller Stratvert P.A., Thompson & Knight, LLP and Locke, Lidell & Sapp. This release shall be fully binding and a complete settlement between the Plaintiffs and Released Entities, their respective executors, administrators, personal representatives, heirs, successors, assignees, representatives, agents and all parties represented by or claiming through such Parties.

(C) The term "Landowners" shall mean and include WILBUR C. OSBORN and GERALDINE B. OSBORN, including any future owner of any interest in the Property claiming under the present interest holders in the Property, and the respective executors, administrators, personal representatives, heirs, devisees, successors and assigns of each and any of said persons, and any and all persons for whom said persons own and/or control any property interest, including lessors of surface rights in the Property.

(D) The Landowners desire to enter into this Agreement with respect to the Property.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS THAT, for and in consideration of Ten Dollars and no/100 (\$10.00) and other good and valuable consideration, WILBUR C. OSBORN and GERALDINE B. OSBORN, individually, and as representatives of all Landowners as hereinabove defined, do hereby release and agree as follows:

LANDOWNERS ON BEHALF OF THEMSELVES OR ANY OTHER ENTITIES HEREBY COMPLETELY RELEASE AND FOREVER DISCHARGE THE RELEASED ENTITIES (AS DEFINED ABOVE) to the full extent permitted by law from any and all claims, liabilities, demands, obligations, actions, causes of action or complaints of whatever nature which were brought, or which could have been brought by the Landowners, whether known or

unknown, arising from, or which are the subject of, WILBUR C. OSBORN and GERALDINE B. OSBORN v. TEXAS-NEW MEXICO PIPELINE COMPANY, INC.; TEXACO PIPELINE INC., SHELL PIPELINE COMPANY, L.P.; SHELL PIPELINE GP LLC; SHELL PIPELINE CORPORATION/SHELL PIPELINE LLC (DE), NO. CIV-04-1-34 LCS/KBM, UNITED STATES DISTRICT COURT FOR THE DISTRICT OF NEW MEXICO, or arising from or relating to the Property including but not limited to future movement or migration of any contamination which is on or under the Property (as hereinafter defined); provided however that Plaintiffs do not release Plains Pipeline, L.P. ("Plains") from damages which might arise as a result of their future operations on the Property after the date of this Agreement. The Osborns acknowledge that this release covers all damages related to the remediation of the sites listed in Exhibit B by Plains and any other areas associated with the remediation so long as Plains complies with the separate Access Agreement to be entered into between Wilbur C. Osborn and Geraldine B. Osborn and Plains. This release does not cover damages resulting from a breach of the Access Agreement.

1. Landowners' release and discharge against the Released Entities is intended to be as broad a release of claims against the predecessors, successors, parents, subsidiaries and affiliates of the Release Entities and all of the officers, directors, employees and agents of such companies, as is permitted by law. All Released Entities shall have standing to enforce the release terms of this Agreement, and Landowners to the Property stipulate that the other Released Entities are intended beneficiaries of this Agreement.

2. To the full extent permitted by law, the terms and provisions of this Agreement are and shall be covenants running with the land binding upon the undersigned and any and every other current or future person or legal entity within the definition of the term

Landowners to the end that all who hereafter deal with the Property will have notice of and be subject to this Agreement.

IN WITNESS WHEREOF, this Agreement is executed as of the day and year first above written.

**WILBUR C. OSBORN and
GERALDINE B. OSBORN**

By: _____
WILBUR C. OSBORN

By: _____
GERALDINE B. OSBORN

SUBSCRIBED and SWORN TO before me on this the ____ day of _____, 2006,
by WILBUR C. OSBORN.

NOTARY PUBLIC, State of _____
Notary's Printed Name: _____

My commission expires:

SUBSCRIBED and SWORN TO before me on this the ____ day of _____, 2006,
by GERALDINE B. OSBORN.

NOTARY PUBLIC, State of _____
Notary's Printed Name: _____

My commission expires:

Exhibit 1

LEGAL DESCRIPTION

(DEDED)

Section 1. Township 25, Range 36, 160.0 Acres being the Southwest quarter.

Section 11, Township 25, Range 36, 160 Acres Being the Southeast quarter.

Section 12, Township 25, Range 36, 320 Acres being the South half.

Section 13, Township 25, Range 36, being the entire section.

Section 7, Township 25, Range 37, 317.32 Acres being Lots 3-4, and the East half of the Southwest quarter, and the Southeast quarter of said section 7.

Section 18, Township 25, Range 37, 155.76 acres being Lots 1, 2, 3, 4. 203.40 acres Located in the East half of the West half, and the West half of the East half. Tract beginning 1321.2 feet West of the Northeast corner section, thence West approximately 2638.8 feet, South approximately 5280 feet, East approximately 718 feet, North 19 deg. 46 min. East approximately 5613.9 to the point of beginning.

Section 18, Township 25, Range 37 1.0 Acres located in the Northeast quarter. Beginning South 89 deg. 57 min. West 50 feet, and North 0 deg. 3 min. West 1165 feet from the Southeast corner of the Northeast quarter of section 18, thence South 89 deg. 57 min. West 210 feet, North 0 deg. 3 min. West 197.8 feet, North 84

OK 

deg. 27 min. East 211 feet, South 0 deg. 3 min. East 218 feet to the point of beginning.

Section 18, Township 25, Range 37, 255.99 acres located in the East half. Tract beginning at the Northeast corner of section 18, thence South 89 deg. 52 min. West 1321.2 feet to the intersect of the Jal corporate boundary, thence South 19 deg. 46 min. West along Jal corp. Boundary line 5610.7 feet more or less to the South line of section 18, East along said line 602 feet, more or less, to the South quarter corner of section 18, North 20 feet, East 230 feet, North 210 feet, East 210 feet, South 210 feet, East 20 feet, North 210 feet, East 1310 feet, South 198 feet, more or less, East 10 feet, North 198 feet, East 440 feet, North 400.6 feet, East 20 feet, North 222 feet, East 400 feet to the East Line of Section 18, North along the East line of Section 18, to a point 1165 feet North of the East quarter corner of Section 18, South 89 deg. 57 min. West 260 feet, North 0 deg. 3 min. West 179.8 feet, North 84 deg. 27 min. East 211 feet, South 0 deg. 3 min. East 218 feet, North 89 deg. 57 min. East 50 feet to the East line of Section 18, thence North along said line 419 feet, West 210 feet, North 210 feet, East 210 feet, to the East line of Section 18, North along said East line to the Northeast corner of section 18, and the point of beginning.

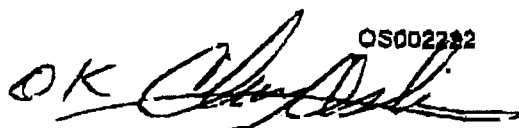
OK  OS002732

EXHIBIT B

- 1) Jalmat #1
- 2) TM 0245-2
- 3) Jalmat #22B
- 4) Jalmat #22A
- 5) Jalmat 2
- 6) DT-27
- 7) Jalmat #3
- 8) East half Shell 6" (east of road)
- 9) SH 0193-2
- 10) SH 0184-1



May 12, 2006

Mr. Ed Martin
State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

1R-466

Re: Plains Pipeline, L.P.
Document Submittal
Clay Osborn - Rocky Top Ranch
Jal, Lea County, New Mexico

Dear Mr. Martin:

Plains Pipeline, L.P. (Plains) is pleased to submit the attached Document Submittal for the soil remediation project sites located on the Osborn's Rocky Top Ranch in Jal, Lea County, New Mexico. These documents include the original soil investigation report, annual groundwater monitoring reports (where monitor wells are present), and various correspondences. Plains assumes this information is already in your files; however, for convenience purposes we have prepared one document containing the reports.

Should you have any questions or comments, please contact me at (713) 646-4657.

Sincerely,

Jeffrey P. Dann, P.G.
Sr. Environmental Specialist
Plains All American

Attachment: Document Submittal

File: n/jeff-files/Osborn-RockyTopRanch/DocumentSubmittal CovrLtr.doc

E.O.T.T. ENERGY CORPORATION

SITE INVESTIGATION AND REMEDIATION PROPOSAL

CLAY OSBORN JALMAT #2
Ref. # 2000-10607

SW¼ SW¼ UL-M Section 7 T25S R37E
~½ mile Northwest of Jal
Lea County, New Mexico
Latitude: 32°08'27"N Longitude: 103°12'38"W

December 8, 2001

Prepared by

Environmental Plus, Inc.
2100 Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505-394-3481 FAX 505-394-2601



JAN 3 2002

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1.0 INTRODUCTION

This site is located in Unit Letter M, in the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 7 T25S R37E, approximately $\frac{1}{2}$ mile northwest of Jal, Lea County New Mexico at Latitude 32°08'27"N and Longitude 103°12'38"W. The property is owned by Clay and Gerry Osborn who live in the ranch headquarters approximately 1 mile southeast of the site. A topographical map is included in Attachment I. The leak is historical and the crude oil release and recovery volumes unknown. Photographs are included as Attachment IV.

2.0 ENVIRONMENTAL MEDIA CHARACTERIZATION

Chemical parameters of the soil and ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the New Mexico Oil Conservation Division (NMOCD) approved **"General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000"** and the NMOCD guidelines published in the following documents;

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for **contaminants/constituents of concern** (CoCs), i.e., TPH, Benzene, and the sum of Benzene, Toluene, Ethyl Benzene, and total Xylene (BTEX), will be determined based on the NMOCD Ranking Criteria as follows;

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

2.1 GEOLOGICAL DESCRIPTION

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. During the investigation a yellowish to tan silty clay interbed was identified at ~55 feet below ground surface ('bgs) and supports a 3-foot thick zone of saturation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and was encountered at 5-7'bgs.

2.2 ECOLOGICAL DESCRIPTION

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Quercus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses and weeds. Mammals represented, include Orrd's and Merriam's Kangaroo

Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and the Mule Deer. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 AREA GROUND WATER

A temporary monitor well was installed at the 22C Borehole #6 location to delineate ground water level and possible contamination. The unconfined ground water aquifer occurs at the site at 52.8' bgs and is consistent with information provided by the New Mexico Tech Geoinformation website, (www.geoinfo.nmt.edu/.esrimap), the New Mexico Office of the State Engineer, and other information available for the site. Copies of the State Engineer's Average Depth to Ground Water Reports for Range 36E and 37E in Township 25 are included in Attachment II. According to the USGS, the ground water elevation decreases generally to the southeast.

2.4 AREA WATER WELLS

The only water well within 1000 feet of the site is a windmill well bore currently not in use located 458 horizontal feet northeast of the site and is transverse gradient to the site.

2.5 AREA SURFACE WATER BODIES

There are no permanent or intermittent surface water bodies within 1000 horizontal feet of the site.

3.0 NMOCD SITE RANKING

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to ground water, the NMOCD ranking score for the site is 20 points with the soil remedial goals highlighted below in the Site Ranking Matrix.

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body	
If Depth to GW <50 feet: 20 points	If <1000' from water source, or; <200' from private domestic water source: 20 points	<200 horizontal feet: 20 points	
If Depth to GW 50 to 99 feet: 10 points		200-100 horizontal feet: 10 points	
If Depth to GW >100 feet: 0 points	If >1000' from water source, or; >200' from private domestic water source: 0 points	>1000 horizontal feet: 0 points	
Ground water Score = 0	Wellhead Protection Area Score= 20	Surface Water Score= 0	
Site Rank (1+2+3) = 0 + 20 + 0 = 20 points			
Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	>19	10-19	0-9
Benzene ¹	10 ppm	100 ppm	1000 ppm
BTEX ¹	50 ppm	500 ppm	5000 ppm
TPH	100 ppm	1000 ppm	10000 ppm

4.0 SUBSURFACE SOIL INVESTIGATION

Strategically located boreholes were sampled discretely at 5' vertical intervals using a hollow stem auger and stainless steel sample probe with a vinyl sleeve. All samples were jarred immediately with the remainder decanted into a zip lock bag for Volatile Organic Constituent (VOC) Headspace analysis using a calibrated Photoionization Detector (PID). Sampling equipment was decontaminated routinely between sampling iterations. The site sample location map is included in Attachment I. The visible spill area perimeter defines the horizontal extent of CoC contamination and involves approximately 36,700 ft². Vertical contamination was restricted to the surficial asphaltinic crusty material over laying the site. Estimated affected soil volume is 1,359 yd³. The original analytical reports are provided and summarized in Attachment III.

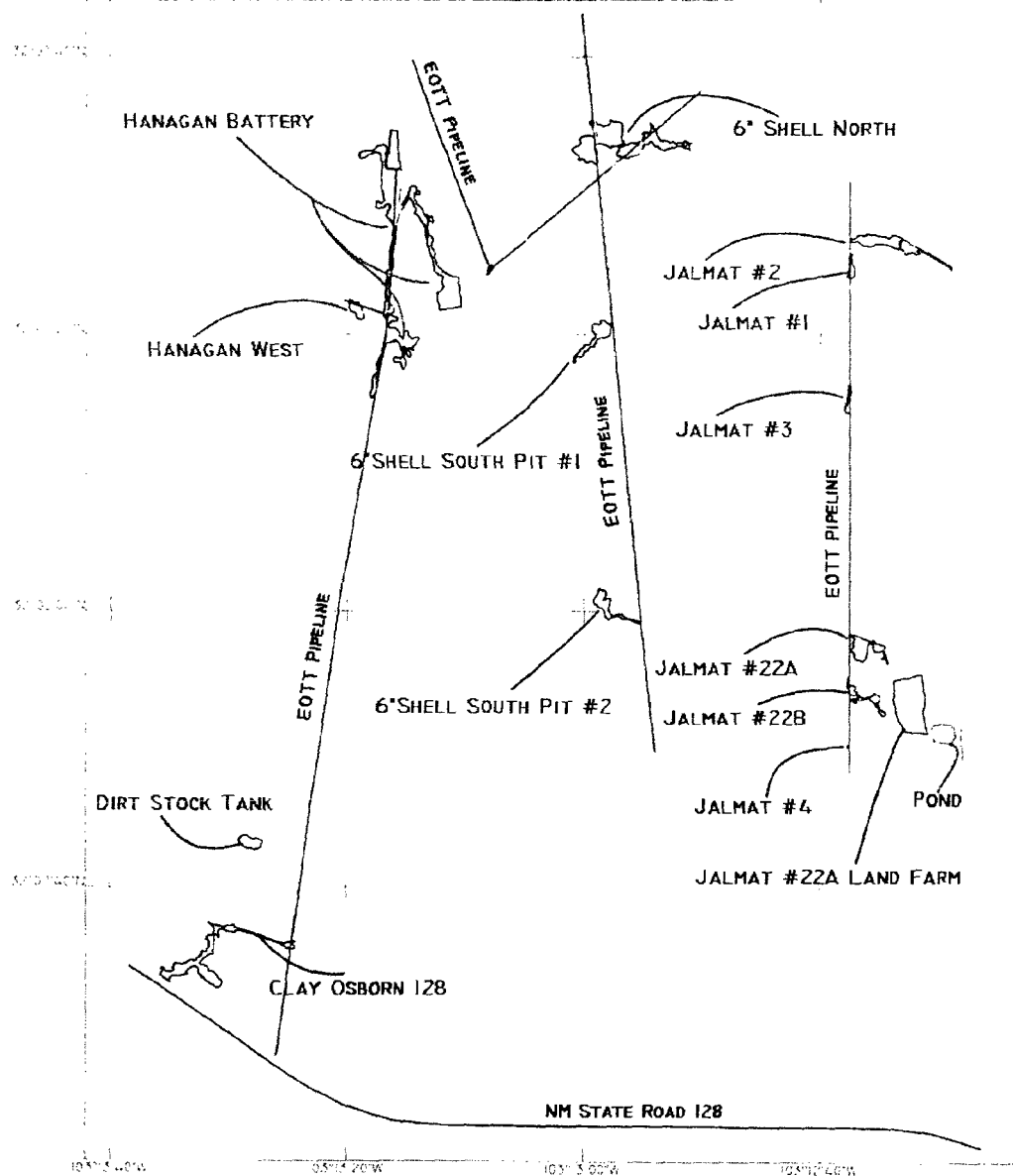
5.0 GROUND WATER INVESTIGATION

Borehole #6 in the 2C section of the site was advanced to water to verify no impact and determine the protectability of the resource, i.e. >10,000 mg/L is not protectable. The data indicate that the ground water underlying the site at 52.8' bgs is not contaminated with hydrocarbon but does exhibit an elevated Total Dissolved Solids (TDS) concentration of 3,705 mg/L, well above the Clay Osborn Pond Well Reference value of 297 mg/L, suggesting possible contamination resulting from oil and gas activities up-gradient from the site. BTEX and TDS were the only parameters analyzed. It should be acknowledged that the EOTT waste stream does not include detectable metals, chloride, or constituents that contribute to TDS. The original analytical reports are provided and summarized in Attachment III.

6.0 RESTORATION PROPOSAL

Remediation of the site is unnecessary, however, the residual asphaltinic material on the surface of much of the site continues to affect site vegetation. To restore the surface to agricultural productivity, it is proposed to blend and pulverize the crusty residue with approximately 1,359 yd³ of local clean soil, fertilize, and reseed. The estimated soil volume affected at the site is approximately 1,359 yd³.

ATTACHMENT I: SITE MAPS



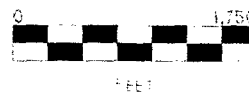
E.O.T.T. ENERGY PIPELINE
 CLAY OSBORN RANCH REMEDIATION SITES
 T25S-R36E & R37E NORTHWEST OF JAL LEA COUNTY, NM

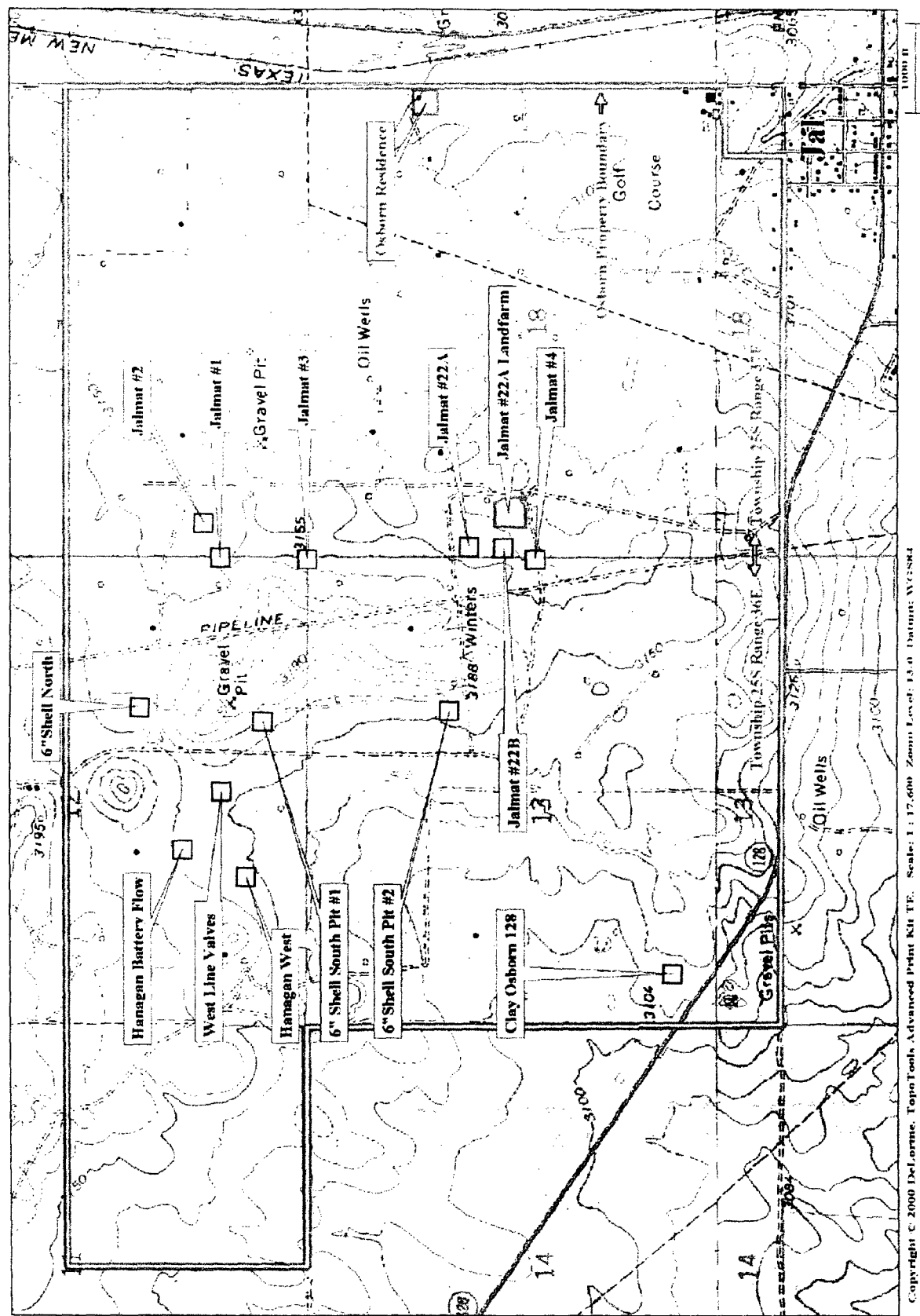
LAT/LONG
 WGS 1984

SCALE 1 IN = 1,250 FT

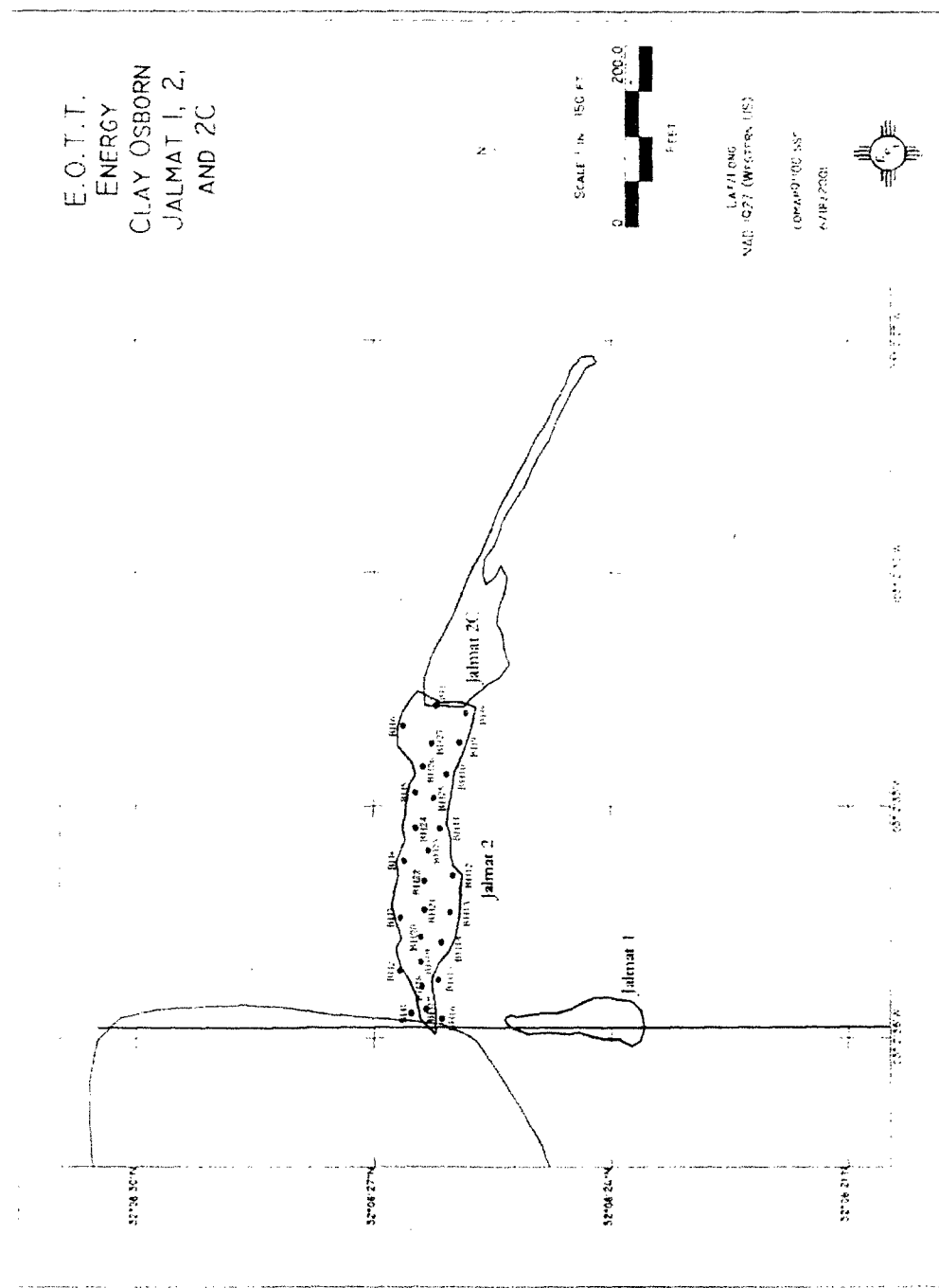
CO122201.SSE

12/26/2001

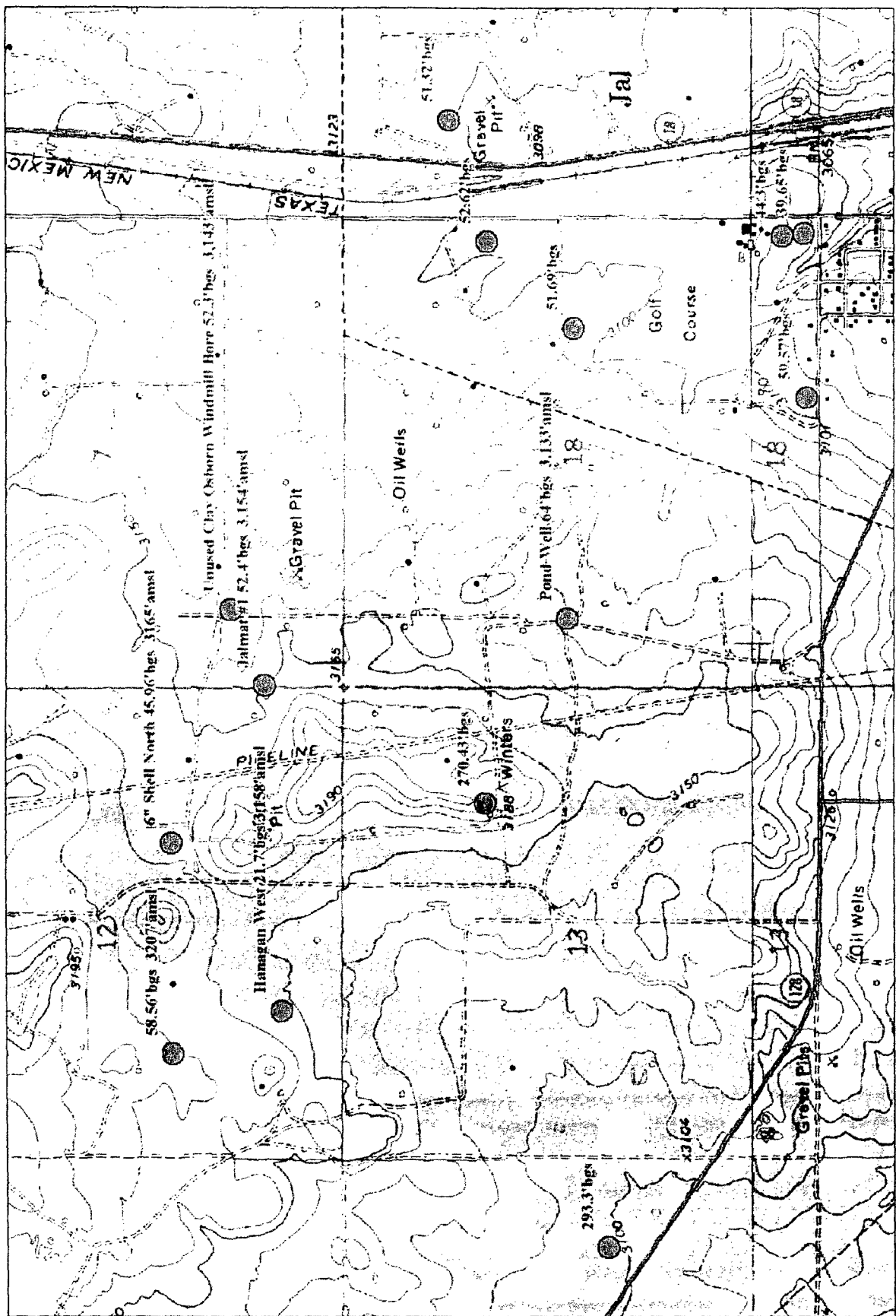




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ATTACHMENT II: AVERAGE DEPTH TO GROUND WATER REPORTS AND
WELL MAP



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New Mexico Office of the State Engineer

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New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections: NAD27 X: Y: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All**AVERAGE DEPTH OF WATER REPORT 12/29/2001**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
No Records found, try again										

http://164.64.214.10/awdProd/awd.html?email_address=enviplus1@aol.com&tw=25S&r... 12/29/2001

New Mexico Office of the State Engineer

Page 1 of 1

New Mexico Office of the State Engineer
Well Reports and Downloads

 Township: Range: Sections:

 NAD27 X: Y: Zone: Search Radius

 County: Basin: Number: Suffix:

 Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 12/29/2001

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	25S	37E	19				9	27	63	44
CP	25S	37E	20				6	23	60	34

Record Count: 15

http://164.64.214.10/awdProd/awd.html?email_address=enviplus1@aol.com&tws=25S&r... 12/29/2001

ATTACHMENT III: ORIGINAL ANALYTICAL REPORTS AND SUMMARIES

E.O.T.T. Energy Pipeline Jalmat 2c Boreholes 1-5

Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p- Xylene mg/Kg	o- Xylene mg/Kg
1	2	ECO2CGP1-02	8/11/2000	sand	0.80	10	10	20	1.131	0.025	0.105	0.165	0.734	0.102
	5	ECO2CGP1-05	8/11/2000	sand	0.40	10	10	20	0.152	0.025	0.037	0.025	0.040	0.025
	10	ECO2CGP1-10	8/11/2000	sand	0.00	10	10	20	0.208	0.025	0.053	0.025	0.080	0.025
	15	ECO2CGP1-15	8/11/2000	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
2	2	ECO2CGP2-02	8/11/2001	sand	1.60	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	5	ECO2CGP2-05	8/11/2001	sand	0.60	100	100	200	0.182	0.025	0.025	0.025	0.082	0.025
	10	ECO2CGP2-10	8/11/2001	sand	0.00	10	29	39	0.165	0.025	0.025	0.025	0.065	0.025
	15	ECO2CGP2-15	8/11/2001	sand	0.00	10	10	20	0.198	0.025	0.025	0.026	0.085	0.037
3	2	ECO2GP3-02	8/11/2000	sand	0.90	10	51	61	0.235	0.025	0.025	0.025	0.103	0.057
	5	ECO2GP3-05	8/11/2000	sand	2.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	10	ECO2GP3-10	8/11/2000	sand	2.90	10	10	20	0.193	0.025	0.025	0.036	0.062	0.045
	15	ECO2GP3-15	8/11/2000	sand	2.90	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
4	2	ECO2CGP4-02	8/11/2001	sand	0.00	50	50	100	0.130	0.025	0.029	0.026	0.025	0.025
	5	ECO2CGP4-05	8/11/2001	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	10	ECO2CGP4-10	8/11/2001	sand	0.00	10	10	20	0.137	0.025	0.037	0.025	0.025	0.025
	15	ECO2CGP4-15	8/11/2001	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
5	2	ECO2GP5-02	8/11/2000	sand	0.00	10	41	51	0.125	0.025	0.025	0.025	0.025	0.025
	5	ECO2GP5-05	8/11/2000	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	10	ECO2GP5-10	8/11/2000	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	15	ECO2GP5-15	8/11/2000	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

E.O.T.T. Energy Pipeline Jalmat 2c Borehole #6 and Ground Water Data

Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p- Xylene mg/Kg	o- Xylene mg/Kg
6	2	ECO2CGP6-02	8/14/2001	sand	0.60	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	5	ECO2CGP6-05	8/14/2001	sand	0.40	10	10	20	0.142	0.025	0.025	0.025	0.042	0.025
	10	ECO2CGP6-10	8/14/2001	sand	0.30	10	10	20	0.193	0.025	0.025	0.026	0.092	0.025
	15	ECO2CGP6-15	8/14/2001	sand	0.10	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	20	ECO2CGP6-20	8/14/2001	sand	0.00	10	10	20	0.138	0.025	0.025	0.025	0.038	0.025
	25	ECO2CGP6-25	8/14/2001	sand	0.00	10	10	20	0.126	0.025	0.025	0.025	0.026	0.025
	30	ECO2CGP6-30	8/14/2001	sand	0.00	10	10	20	0.143	0.025	0.025	0.025	0.025	0.043
	35	ECO2CGP6-35	8/14/2001	sand	0.00	10	10	20	0.238	0.025	0.027	0.035	0.084	0.067
	40	ECO2CGP6-40	8/14/2001	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	45	ECO2CGP6-45	8/14/2001	sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	50	ECO2CGP6-50	8/14/2001	Clay Sand	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	55	ECO2CGP6-55	8/14/2001	Clay	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	60	ECO2CGP6-60	8/14/2001	Clay	0.00	10	10	20	0.162	0.025	0.050	0.025	0.037	0.025
	65	ECO2CGP6-65	8/14/2001	Clay	0.00	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025

Clay Osborn, Jalmat 2c Ground Water Data

Borehole	SAMPLE ID#	Date	Total Dissolved Solids mg/L	Benzene mg/L	Toluene mg/L	Ethyl Benzene mg/L	m,p- Xylene mg/L	o-Xylene mg/L
6	ECO2CGP6-GW	8/15/2001	3705	<0.001	<0.001	<0.001	<0.001	<0.001

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

E.O.T.T. Energy Pipeline Jalmat 2

Borehole	Sampling Interval (FT, BGS ¹)	SAMPLE ID#	Date Taken	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m-p-Xylene mg/Kg	o-Xylene mg/Kg
1	2	EJM2GP1-02	6/27/2000	Sand	0.0	10	10	20	0.569	0.100	0.100	0.100	0.137	0.132
	5	EJM2GP1-05	6/27/2000	Sand	0.0	10	10	20	0.521	0.100	0.121	0.100	0.100	0.100
	10	EJM2GP1-10	6/27/2000	Sand	0.0	10	10	20	0.530	0.100	0.100	0.100	0.130	0.100
	15	EJM2GP1-15	6/27/2000	Sand	0.0	10	10	20	0.732	0.100	0.207	0.120	0.188	0.117
2	2	EJM2GP2-02	6/27/2000	Sand	0.0	10	10	20	0.524	0.100	0.100	0.100	0.124	0.100
	5	EJM2GP2-05	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP2-10	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP2-15	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
3	2	EJM2GP3-02	6/27/2000	Sand	0.0	10	10	20	0.579	0.100	0.121	0.100	0.140	0.118
	5	EJM2GP3-05	6/27/2000	Sand	0.0	10	10	20	0.525	0.100	0.125	0.100	0.100	0.100
	10	EJM2GP3-10	6/27/2000	Sand	0.0	10	10	20	0.528	0.100	0.100	0.100	0.128	0.100
	15	EJM2GP3-15	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
4	2	EJM2GP4-02	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP4-05	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP4-10	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP4-15	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
5	2	EJM2GP5-02	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP5-05	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP5-10	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP5-15	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
6	2	EJM2GP6-02	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP6-05	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP6-10	6/27/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP6-15	6/27/2000	Sand	0.0	10	10	20	0.554	0.100	0.154	0.100	0.100	0.100

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

E.O.T.T. Energy Pipeline Jalmat 2

Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m-p-Xylene mg/Kg	o-Xylene mg/Kg
7	2	EJM2GP7-02	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP7-05	6/28/2000	Sand	0.0	10	10	20	0.769	0.100	0.100	0.110	0.359	0.100
	10	EJM2GP7-10	6/28/2000	Sand	0.0	10	10	20	0.572	0.100	0.100	0.117	0.155	0.100
	15	EJM2GP7-15	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	2	EJM2GP8-02	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
8	5	EJM2GP8-05	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP8-10	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP8-15	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	2	EJM2GP9-02	6/28/2000	Sand	0.1	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP9-05	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
9	10	EJM2GP9-10	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP9-15	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	2	EJM2GP10-02	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP10-05	6/28/2000	Sand	0.0	10	10	20	0.612	0.100	0.100	0.146	0.166	0.100
	10	EJM2GP10-10	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
10	15	EJM2GP10-15	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	2	EJM2GP11-02	6/28/2000	Sand	0.0	10	10	20	0.621	0.100	0.221	0.100	0.100	0.100
	5	EJM2GP11-05	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP11-10	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP11-15	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
11	2	EJM2GP12-02	6/28/2000	Sand	0.0	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP12-05	6/28/2000	Sand	0.0	10	10	20	0.504	0.100	0.104	0.100	0.100	0.100
	10	EJM2GP12-10	6/28/2000	Sand	0.0	10	10	20	0.540	0.100	0.140	0.100	0.100	0.100
	15	EJM2GP12-15	6/28/2000	Sand	0.9	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	2	EJM2GP12-02	6/28/2000	Sand	0.8	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

E.O.T.T. Energy Pipeline Jalmat 2

Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date Taken	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p- Xylene mg/Kg	o- Xylene mg/Kg
13	2	EJM2GP13-02	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP13-05	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP13-10	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP13-15	7/6/2000	Sand	0.00	10	10	20	0.505	0.100	0.105	0.100	0.100	0.100
14	2	EJM2GP14-02	7/6/2000	Sand	0.00	10	10	20	0.544	0.100	0.144	0.100	0.100	0.100
	5	EJM2GP14-05	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP14-10	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP14-15	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
15	2	EJM2GP15-02	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP15-05	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP15-10	7/6/2000	Sand	0.00	10	10	20	0.648	0.100	0.163	0.100	0.168	0.117
	15	EJM2GP15-15	7/6/2000	Sand	0.00	10	10	20	0.569	0.100	0.169	0.100	0.100	0.100
16	2	EJM2GP16-02	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP16-05	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP16-10	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP16-15	7/6/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
17	2	EJM2GP17-02	7/12/2000	Sand	0.00	10	10	20	0.565	0.100	0.156	0.109	0.100	0.100
	5	EJM2GP17-05	7/12/2000	Sand	0.00	10	10	20	0.513	0.100	0.113	0.100	0.100	0.100
	10	EJM2GP17-10	7/12/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP17-15	7/12/2000	Sand	0.00	10	10	20	0.501	0.100	0.101	0.100	0.100	0.100
18	2	EJM2GP18-02	7/12/2000	Sand	0.00	10	10	20	0.556	0.100	0.156	0.100	0.100	0.100
	5	EJM2GP18-05	7/12/2000	Sand	0.00	10	10	20	0.641	0.162	0.135	0.107	0.128	0.109
	10	EJM2GP18-10	7/12/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP18-15	7/12/2000	Sand	0.00	10	10	20	0.745	0.100	0.100	0.100	0.345	0.100

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

E.O.T.T. Energy Pipeline Jalmat 2

E.O.T.T. Energy Pipeline Jalmat 2															
Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date Taken	Lithology	HEADSPACE		GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p- Xylene mg/Kg	o- Xylene mg/Kg
					VOC ² (ppm)										
19	2	EJM2GP19-02	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP19-05	7/12/2000	Sand	1.1		10	10	20	0.608	0.100	0.208	0.100	0.100	0.100
	10	EJM2GP19-10	7/12/2000	Sand	1.6		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP19-15	7/12/2000	Sand	3.2		10	10	20	0.518	0.100	0.118	0.100	0.100	0.100
20	2	EJM2GP20-02	7/12/2000	Sand	0.7		10	19	29	0.587	0.100	0.132	0.100	0.155	0.100
	5	EJM2GP20-05	7/12/2000	Sand	3		10	10	20	0.545	0.100	0.145	0.100	0.100	0.100
	10	EJM2GP20-10	7/12/2000	Sand	0.4		10	10	20	0.513	0.100	0.113	0.100	0.100	0.100
	15	EJM2GP20-15	7/12/2000	Sand	1.8		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
21	2	EJM2GP21-02	7/12/2000	Sand	1.2		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP21-05	7/12/2000	Sand	2.1		10	10	20	0.538	0.100	0.138	0.100	0.100	0.100
	10	EJM2GP21-10	7/12/2000	Sand	1.9		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP21-15	7/12/2000	Sand	1.1		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
22	2	EJM2GP22-02	7/12/2000	Sand	1		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP22-05	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP22-10	7/12/2000	Sand	0.00		10	10	20	0.507	0.107	0.100	0.100	0.100	0.100
	15	EJM2GP22-15	7/12/2000	Sand	0.00		10	10	20	0.510	0.110	0.100	0.100	0.100	0.100
23	2	EJM2GP23-02	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP23-05	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP23-10	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP23-15	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
24	2	EJM2GP24-02	7/12/2000	Sand	0.00		10	10	20	0.569	0.100	0.169	0.100	0.100	0.100
	5	EJM2GP24-05	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP24-10	7/12/2000	Sand	0.00		10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP24-15	7/12/2000	Sand	0.00		10	10	20	0.505	0.105	0.100	0.100	0.100	0.100

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTX summations.

E.O.T.T. Energy Pipeline Jalmat 2

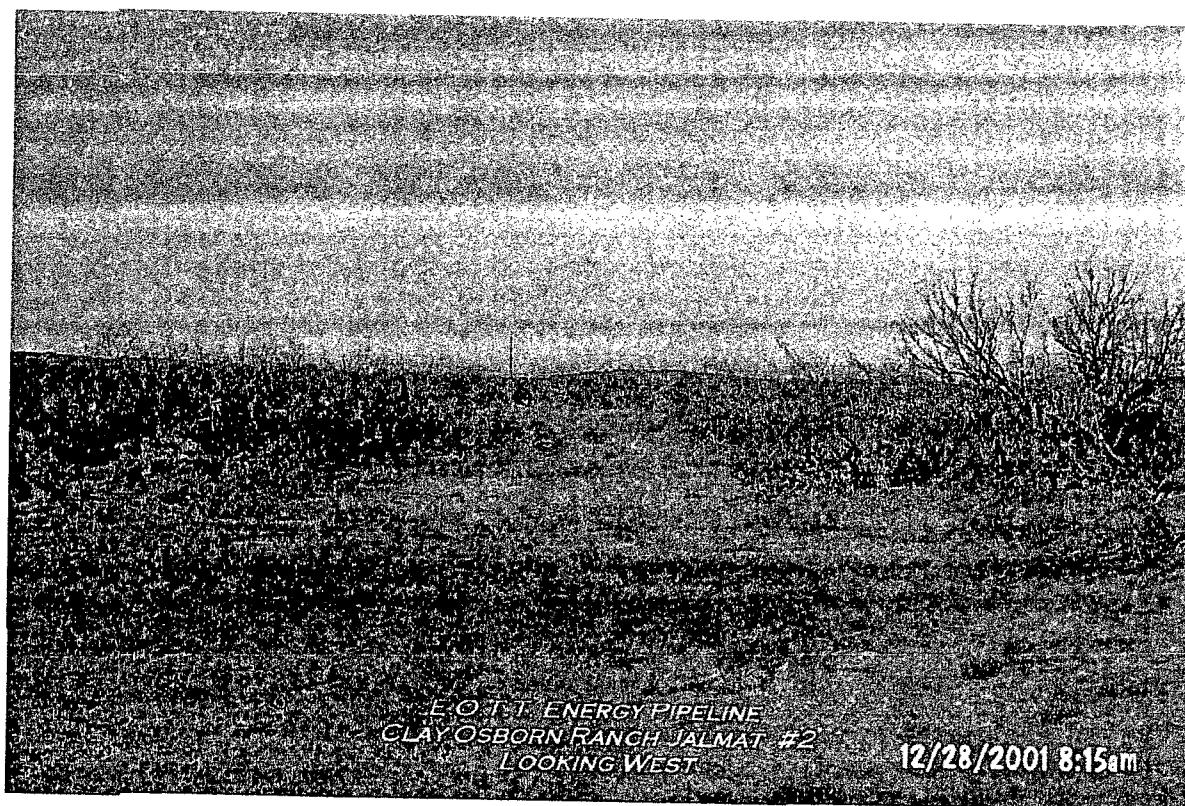
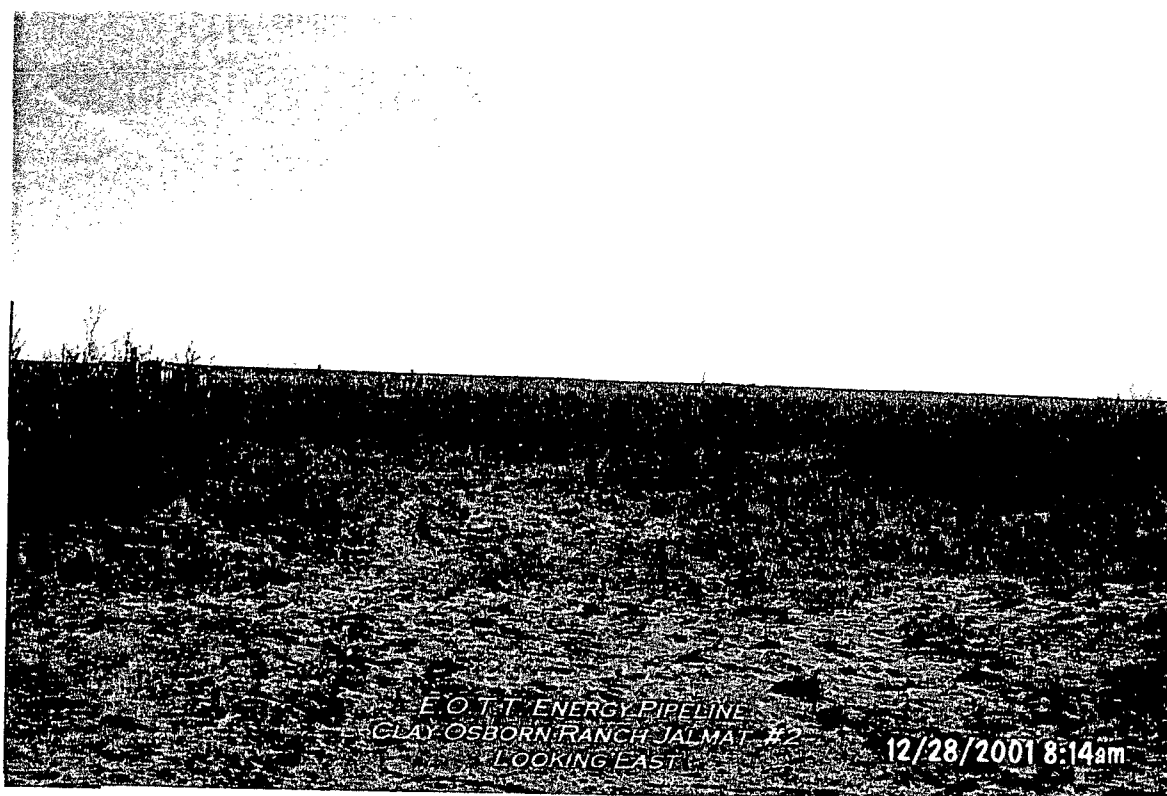
Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Date Taken	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	mp- Xylene mg/Kg	o- Xylene mg/Kg
25	2	EJM2GP25-02	7/12/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP25-05	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP25-10	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP25-15	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
26	2	EJM2GP26-02	7/13/2000	Sand	0.00	10	69	79	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP26-05	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP26-10	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP26-15	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
27	2	EJM2GP27-02	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	5	EJM2GP27-05	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	10	EJM2GP27-10	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	15	EJM2GP27-15	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	20	EJM2GP27-20	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100
	25	EJM2GP27-25	7/13/2000	Sand	0.00	10	10	20	0.500	0.100	0.100	0.100	0.100	0.100

100 ppm Isobutylene calibration gas = 101 ppm

¹bgs - below ground surface²VOC-Volatile Organic Contaminants/Constituents³GRO-Gasoline Range Organics⁴DRO-Diesel Range Organics⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter⁷Italicized values are < the instrument detection limit.⁸N/A Not Analyzed

Reported detection limits are considered "de minimis" values and are included in the GRO/DRO and BTEX summations.

ATTACHMENT IV: PHOTOGRAPHS



ATTACHMENT V: SITE INFORMATION AND METRICS FORM

Site Information and Metrics

SITE: Clay Osborn Jalmat #2		Assigned Site Reference # 2000-10607	
Company: EOTT Energy Pipeline			
Company Street Address: 5805 E. Highway 80, Midland, Texas 79701			
Company Mailing Address: P.O. Box 1660			
Company City, State, Zip: Midland, Texas 79702			
Company Representative: Wayne Brunette			
Company Representative Telephone: 915.553.7557			
Company Telephone: 915.684.3479 Fax: 915.684.3456			
Fluid volume released (bbls) =?			
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
Leak, Spill, or Pit (LSP) Name: Clay Osborn Jalmat #2			
Source of contamination: Pipe Line			
Land Owner, i.e., BLM, ST, Fee, Other: Clay and Gerry Osborn			
LSP Dimensions: affected area = 775' X 75'			
LSP Area = 36,700 ft ²			
Latitude: 32° 08 ' 27 "N			
Longitude: 103° 12 ' 38"W			
Elevation above mean sea level: ~3,150'amsl			
Location- Unit or ¼¼: SW¼ of SW¼ UL-M			
Location- Section = 7			
Location- Township = 25S			
Location- Range = 37E			
Surface water body within 1000' radius of site: None			
Domestic water wells within 1000' radius of site: None			
Agricultural water wells within 1000' radius of site: 458' northeast Old windmill bore not in use.			
Public water supply wells within 1000' radius of site: None			
Depth from land surface to ground water (DG): ~52.8			
Depth of contamination (DC): 0'bgs			
Depth to ground water (DG - DC = DtGW) 52.8' bgs			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or; <200' from private domestic water source: 20 points If >1000' from water source, or; >200' from private domestic water source: 0 points	
If Depth to GW 50 to 99 feet: 10 points			
If Depth to GW >100 feet: 0 points			
Ground water Score = 0		Wellhead Protection Area Score= 20	
Site Rank (1+2+3) = 0 + 20 + 0 = 20 points			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19		
Benzene ¹	10 ppm		
BTEX ¹	50 ppm		
PH	100 ppm		
100 ppm field VOC headspace measurement may be substituted for lab analysis			

Phone #: 915 556-0190

FAX #: 915 684 3456

Project Manager:

Wayne Baunke

Company Name & Address:

Cell

Project #:

Gloria Osborn Jalmat Site II

Project Location:

Project Name:

Sampler Signature:

Cody Miller

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	ALL	SLUDGE	OTHER	ICE	THIO3	ICE	THIO3	OTHER	DATE	TIME
27659	EJM26P1-02	1		X					X					6-27	9:10
27660	EJM26P1-05	1		X					X					6-27	9:40
27661	EJM26P1-10	1		X					X					6-27	10:10
27662	EJM26P1-15	1		X					X					6-27	10:40
27663	EJM26P2-02	1		X					X					6-27	11:00
27664	EJM26P2-05	1		X					X					6-27	11:25
27665	EJM26P2-10	1		X					X					6-27	11:45
27666	EJM26P2-15	1		X					X					6-27	12:00
27667	EJM26P3-02	1		X					X					6-27	1:00
27668	EJM26P3-05	1		X					X					6-27	1:20
27669	EJM26P3-10	1		X					X					6-27	1:40

Relinquished by:

Cody Miller

Date:

7-6-00

Relinquished by:

Relinquished by:

Time:

Time:

Time:

15:15

Received by:

Received by:

Received by:

Cody Kane

REMARKS

410F

ANALYSIS REQUEST

TPH	8015
UTEX #120/500	
TC P Metals Ag As Ba Cd Cr Pb Hg Se	
Total Metals Ag As Ba Cd Cr Pb Hg Se	
TC P Volatiles	
TC P Semi Volatiles	
TDS	
HCl	

Environmental Lab of Texas, Inc. (512) 344-1200 FAX (512) 344-1201
P.O. Box 1300 FAX (512) 344-1201

ANALYSIS REQUEST	
TCIP Metals Ag As Ba Cd Cr Pb Hg Se	
TCIP Metals Ag As Ba Cd Cr Pb Hg Se	
TCIP Volatiles	
TCIP Semi Volatiles	
TDS	
HCl	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	NATURAL						PRESERVATIVE METHOD				DATE	TIME
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER		
27670	EJM26P3-15	1		X	X						X			6-27	200
27671	EJM26P4-02	1		X	X						X			6-27	220
27672	EJM26P4-05	1		X	X						X			6-27	240
27673	EJM26P4-10	1		X	X						X			6-27	300
27674	EJM26P4-15	1		X	X						X			6-27	315
27675	EJM26P5-02	1		X	X						X			6-27	325
27676	EJM26P5-05	1		X	X						X			6-27	335
27677	EJM26P5-10	1		X	X						X			6-27	345
27678	EJM26P5-15	1		X	X						X			6-27	355
27679	EJM26P6-02	1		X	X						X			6-27	410
27680	EJM26P6-05	1		X	X						X			6-27	425

Rolling released by:	Date:	Time:	Received by:	Time:
Cody Miller	7-6-00			
Rolling released by:	Date:	Time:	Received by:	Time:
Rolling released by:	Date:	Time:	Received by:	Time:

410F

15/15

15/15

15/15

15/15

15/15

3-6

Environmental Lab of Texas, Inc. 1100 West 20th Street, Fort Worth, Texas 76102
 (817) 503-1300 FAX (817) 503-1371

Phone #: 915 596-0190
 FAX #: 915 684 3456

Wayne Brunelle

Company Name & Address

Co #

Project Name :

Elroy Osborn Jalmat Site II

Sampler Signature:

Cody Miller

Project Location :

ANALYSIS REQUEST

TCRP Metals Ag As Ba Cd Cr Pb Hg Se	
TCRP Semi Volatiles	
TCRP Volatiles	
TPH 418.1	X
DIEX #1215111 80.15	X
TIME	435
DATE	6-27
TIME	445
DATE	6-28
TIME	820
DATE	6-28
TIME	840
DATE	6-28
TIME	900
DATE	6-28
TIME	920
DATE	6-28
TIME	950
DATE	6-28
TIME	1000
DATE	6-28
TIME	1030
DATE	6-28
TIME	1050
DATE	6-28
TIME	1101
DATE	6-28

418F

REMARKS

Received by:

Time:

Date:

7-6-00

Cody Miller

Relinquished by:

Received by:

Time:

Date:

Paula Kane

Relinquished by:

Relinquished by:

Environmental Lab of Texas, Inc. 1100 West 10 Street, Suite 100, Fort Worth, TX 76104
 (817) 563-1300 FAX (817) 563-1311

Phone #: 915 596-0190

FAX #: 015 684 3456

Wayne Baunke

Company Name & Address

Cell

Project Name :

Elroy Osborn Jalmat Site II

Sampler Signature :

Cody Miller

Project Location :

ANALYSIS REQUEST

Wayne Baunelle		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project 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:		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name :		Project Name 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REMARKS
 4/10

Time:

Date:

Relinquished by:

Cody Miller

7-6-00

Relinquished by:

Time:

Date:

Received by:

Cody Miller

Time: 5:15

Relinquished by:

Date:

Time:

Environmental Lab of Texas, Inc. 1000 West 120th Street, Suite 100, Houston, Texas 77059
(915) 563-1300 FAX (915) 563-1311

Phone #: 915 566-0190

FAX #: 915 684 3456

Wayne Baunelle

Company Name & Address

Cell

Project Name :

Clay Osborn Jalmat Site II

Sampler Signature:

Cody Miller

Project Location :

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD				SAMPLING		ANALYSIS REQUEST					
				WATER	SOIL	AIR	SLUDGE	OTHER	HL	HIIO3	ICE	HOIE	OTHER	DATE	TIME	TC.P Metals Ag As Ba Cd Cr Pb Hg Se	TC.P Metals Ag As Ba Cd Cr Pb Hg Se	TC.P Volatiles	TC.P Semi Volatiles	TDS	TCI
27703	EJM26P12-02	1		X	X						X			6/28	330	X	X				
27704	EJM26P12-05	1		X	X						X			6/28	350	X	X				
27705	EJM26P12-10	1		X	X						X			6/28	410	X	X				
27706	EJM26P12-15	1		X	X						X			6/28	430	X	X				
27707	EJM26P13-02	1		X	X						X			7/6	800	X	X				
27708	EJM26P13-05	1		X	X						X			7/6	830	X	X				
27709	EJM26P13-10	1		X	X						X			7/6	900	X	X				
27710	EJM26P13-15	1		X	X						X			7/6	930	X	X				
27711	EJM26P14-02	1		X	X						X			7/6	1000	X	X				
27712	EJM26P14-05	1		X	X						X			7/6	1030	X	X				
27713	EJM26P14-10	1		X	X						X			7/6	1050	X	X				

REMARKS 4/17

Relinquished by:	Date:	Received by:	Date:
Cody Miller	7-6-00		
Relinquished by:	Date:	Received by:	Date:
Relinquished by:	Date:	Received by:	Date:

6-6

Environmental Lab of Texas, Inc. (500 West 20th Street, Fort Worth, TX 76102)
(817) 563-1300 FAX (817) 563-1313

Phone #: 915 556-0190
Fax #: 915 684 3456

Wayne Brunelle

Company Name & Address

Cell

Project Name :

Elroy Osborn Jalmat Site II

Sampler Signature:

Cody Miller

Project Location :

ANALYSIS REQUEST

TCLP Metals Ag As Ba Cd Cr Pb Hg Bz	
Total Metals Ag As Ba Cd Cr Pb Hg Bz	
TCLP Semi Volatiles	
TDS	
TCI	

UFEX #2245111 80.15

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX							PRESERVATIVE METHOD					DATE	TIME
				WATER	SOIL	AIR	SLUDGE	OTHER	TC	LIQID	ICE	NOIE	OTHER				
27714	ESM26P14-15	1		X	X						X				7/6	1120	
27715	ESM26P15-02	1		X	X						X				7/6	1140	
27716	ESM26P15-05	1		X	X						X				7/6	1200	
27717	ESM26P15-10	1		X	X						X				7/6	1210	
27718	ESM26P15-15	1		X	X						X				7/6	1220	
27719	ESM26P16-02	1		X	X						X				7/6	1000	
27720	ESM26P16-05	1		X	X						X				7-6	1110	
27721	ESM26P16-10	1		X	X						X				7-6	1200	
27722	ESM26P16-15	1		X	X						X				7-6	1300	
27723	ESM26P16-15	1		X	X						X				7-6	1300	
27724	ESM26P16-15	1		X	X						X				7-6	1300	
27725	ESM26P16-15	1		X	X						X				7-6	1300	
27726	ESM26P16-15	1		X	X						X				7-6	1300	
27727	ESM26P16-15	1		X	X						X				7-6	1300	
27728	ESM26P16-15	1		X	X						X				7-6	1300	
27729	ESM26P16-15	1		X	X						X				7-6	1300	
27730	ESM26P16-15	1		X	X						X				7-6	1300	
27731	ESM26P16-15	1		X	X						X				7-6	1300	
27732	ESM26P16-15	1		X	X						X				7-6	1300	
27733	ESM26P16-15	1		X	X						X				7-6	1300	
27734	ESM26P16-15	1		X	X						X				7-6	1300	
27735	ESM26P16-15	1		X	X						X				7-6	1300	
27736	ESM26P16-15	1		X	X						X				7-6	1300	
27737	ESM26P16-15	1		X	X						X				7-6	1300	
27738	ESM26P16-15	1		X	X						X				7-6	1300	
27739	ESM26P16-15	1		X	X						X				7-6	1300	
27740	ESM26P16-15	1		X	X						X				7-6	1300	
27741	ESM26P16-15	1		X	X						X				7-6	1300	
27742	ESM26P16-15	1		X	X						X				7-6	1300	
27743	ESM26P16-15	1		X	X						X				7-6	1300	
27744	ESM26P16-15	1		X	X						X				7-6	1300	
27745	ESM26P16-15	1		X	X						X				7-6	1300	
27746	ESM26P16-15	1		X	X						X				7-6	1300	
27747	ESM26P16-15	1		X	X						X				7-6	1300	
27748	ESM26P16-15	1		X	X						X				7-6	1300	
27749	ESM26P16-15	1		X	X						X				7-6	1300	
27750	ESM26P16-15	1		X	X						X				7-6	1300	
27751	ESM26P16-15	1		X	X						X				7-6	1300	
27752	ESM26P16-15	1		X	X						X				7-6	1300	
27753	ESM26P16-15	1		X	X						X				7-6	1300	
27754	ESM26P16-15	1		X	X						X				7-6	1300	
27755	ESM26P16-15	1		X	X						X				7-6	1300	
27756	ESM26P16-15	1		X	X						X				7-6	1300	
27757	ESM26P16-15	1		X	X						X				7-6	1300	
27758	ESM26P16-15	1		X	X						X				7-6	1300	
27759	ESM26P16-15	1		X	X						X				7-6	1300	
27760	ESM26P16-15	1		X	X						X				7-6	1300	
27761	ESM26P16-15	1		X	X						X				7-6	1300	
27762	ESM26P16-15	1		X	X						X				7-6	1300	
27763	ESM26P16-15	1		X	X						X				7-6	1300	
27764	ESM26P16-15	1		X	X						X				7-6	1300	
27765	ESM26P16-15	1		X	X						X				7-6	1300	
27766	ESM26P16-15	1		X	X						X				7-6	1300	
27767	ESM26P16-15	1		X	X						X				7-6	1300	
27768	ESM26P16-15	1		X	X						X				7-6	1300	
27769	ESM26P16-15	1		X	X						X				7-6	1300	
27770	ESM26P16-15	1		X	X						X				7-6	1300	
27771	ESM26P16-15	1		X	X						X				7-6	1300	
27772	ESM26P16-15	1		X	X						X				7-6	1300	
27773	ESM26P16-15	1		X	X						X				7-6	1300	
27774	ESM26P16-15	1		X	X						X				7-6	1300	
27775	ESM26P16-15	1		X	X						X				7-6	1300	
27776	ESM26P16-15	1		X	X						X				7-6	1300	
27777	ESM26P16-15	1		X	X						X				7-6	1300	
27778	ESM26P16-15	1		X	X						X				7-6	1300	
27779	ESM26P16-15	1		X	X						X				7-6	1300	
27780	ESM26P16-15	1		X	X						X				7-6	1300	
27781	ESM26P16-15	1		X	X						X				7-6	1300	
27782	ESM26P16-15	1		X	X						X				7-6	1300	
27783	ESM26P16-15	1		X	X						X				7-6	1300	
27784	ESM26P16-15	1		X	X						X				7-6	1300	
27785	ESM26P16-15	1		X	X						X				7-6	1300	
27786	ESM26P16-15	1		X	X						X				7-6	1300	
27787	ESM26P16-15	1		X	X						X				7-6	1300	
27788	ESM26P16-15	1		X	X						X				7-6	1300	
27789	ESM26P16-15	1		X	X						X				7-6	1300	
27790	ESM26P16-15	1		X	X						X				7-6	1300	
27791	ESM26P16-15	1		X	X						X				7-6	1300	
27792	ESM26P16-15	1		X	X						X				7-6	1300	
27793	ESM26P16-15	1		X	X						X				7-6	1300	
27794	ESM26P16-15	1		X	X						X				7-6	1300	
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27796	ESM26P16-15	1		X	X						X				7-6	1300	
27797	ESM26P16-15	1		X	X						X				7-6	1300	
27798	ESM26P16-15	1		X	X						X				7-6	1300	
27799	ESM26P16-15	1		X	X						X				7-6	1300	
27800	ESM26P16-15	1		X	X						X				7-6	1300	
27801	ESM26P16-15	1		X	X						X				7-6	1300	
27802	ESM26P16-15	1		X	X						X				7-6	1300	
27803	ESM26P16-15	1		X	X						X				7-6	1300	
27804	ESM26P16-15	1		X	X						X				7-6	1300	
27805	ESM26P16-15	1		X	X						X				7-6	1300	
27806	ESM26P16-15	1		X	X						X				7-6	1300	
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27809	ESM26P16-15	1		X	X						X				7-6	1300	
27810	ESM26P16-15	1		X	X						X				7-6	1300	
27811	ESM26P16-15	1		X	X						X				7-6	1300	
27812	ESM26P16-15	1		X	X						X				7-6	1300	
27813	ESM26P16-15	1		X	X						X				7-6	1300	
27814	ESM26P16-15	1		X	X						X				7-6	1300	
27815	ESM26P16-15	1		X	X						X				7-6	1300	
27816	ESM26P16-15	1		X	X						X				7-6	1300	
27817	ESM26P16-15	1		X	X						X				7-6	1300	
27818	ESM26P16-15	1		X	X						X				7-6	1300	
27819	ESM26P16-15	1		X	X						X				7-6	1300	
27820	ESM26P16-15	1		X	X						X				7-6	1300	
27821	ESM26P16-15	1		X	X						X				7-6	1300	
27822	ESM26P16-15	1		X	X						X				7-6	1300	
27823	ESM26P16-15	1		X	X						X				7-6	1300	
27824	ESM26P16-15	1		X	X						X				7-6	1300	
27825	ESM26P16-15	1		X	X						X				7-6	1300	
27826	ESM26P16-15	1		X	X						X				7-6	1300	
27827	ESM26P16-15	1		X	X						X				7-6	1300	
27828	ESM26P16-15	1		X	X						X				7-6	1300	
27829	ESM26P16-15	1		X	X												

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

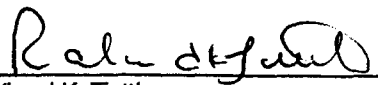
EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: 06/27/00
Receiving Date: 07/06/00
Analysis Date: 07/06/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
27659	EJM2GP1-02	<0.100	<0.100	<0.100	0.137	0.132
27660	EJM2GP1-05	<0.100	0.121	<0.100	<0.100	<0.100
27661	EJM2GP1-10	<0.100	<0.100	<0.100	0.130	<0.100
27662	EJM2GP1-15	<0.100	0.207	0.120	0.188	0.117
27663	EJM2GP2-02	<0.100	<0.100	<0.100	0.124	<0.100
27664	EJM2GP2-05	<0.100	<0.100	<0.100	<0.100	<0.100
27665	EJM2GP2-10	<0.100	<0.100	<0.100	<0.100	<0.100
27666	EJM2GP2-15	<0.100	<0.100	<0.100	<0.100	<0.100
27667	EJM2GP3-02	<0.100	0.121	<0.100	0.140	0.118
27668	EJM2GP3-05	<0.100	0.125	<0.100	<0.100	<0.100
27669	EJM2GP3-10	<0.100	<0.100	<0.100	0.128	<0.100
27670	EJM2GP3-15	<0.100	<0.100	<0.100	<0.100	<0.100
27671	EJM2GP4-02	<0.100	<0.100	<0.100	<0.100	<0.100
27672	EJM2GP4-05	<0.100	<0.100	<0.100	<0.100	<0.100
27673	EJM2GP4-10	<0.100	<0.100	<0.100	<0.100	<0.100
27674	EJM2GP4-15	<0.100	<0.100	<0.100	<0.100	<0.100
27675	EJM2GP5-02	<0.100	<0.100	<0.100	<0.100	<0.100
27676	EJM2GP5-05	<0.100	<0.100	<0.100	<0.100	<0.100
27677	EJM2GP5-10	<0.100	<0.100	<0.100	<0.100	<0.100
27678	EJM2GP5-15	<0.100	<0.100	<0.100	<0.100	<0.100
% IA		99	96	98	109	99
% EA		92	93	94	103	96
BLANK		<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030


Raland K. Tuttle

7-11-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

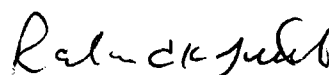
EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/06/00
Analysis Date: 07/07/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
27679	EJM2GP6-02	<0.100	<0.100	<0.100	<0.100	<0.100	06/27/00
27680	EJM2GP6-05	<0.100	<0.100	<0.100	<0.100	<0.100	06/27/00
27681	EJM2GP6-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/27/00
27682	EJM2GP6-15	<0.100	0.154	<0.100	<0.100	<0.100	06/27/00
27683	EJM2GP7-02	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27684	EJM2GP7-05	<0.100	<0.100	0.110	0.359	<0.100	06/28/00
27685	EJM2GP7-10	<0.100	<0.100	0.117	0.155	<0.100	06/28/00
27686	EJM2GP7-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27687	EJM2GP8-02	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27688	EJM2GP8-05	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27689	EJM2GP8-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27690	EJM2GP8-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27691	EJM2GP9-02	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27692	EJM2GP9-05	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27693	EJM2GP9-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27694	EJM2GP9-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27695	EJM2GP10-02	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27696	EJM2GP10-05	<0.100	<0.100	0.146	0.166	<0.100	06/28/00
27697	EJM2GP10-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27698	EJM2GP10-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27699	EJM2GP11-02	<0.100	0.221	<0.100	<0.100	<0.100	06/28/00
27700	EJM2GP11-05	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27701	EJM2GP11-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
% IA		94	91	93	102	94	
% EA		90	90	90	99	92	
BLANK		<0.100	<0.100	<0.100	<0.100	<0.100	

METHODS: SW 846-8021B,5030


Raland K. Tuttle

7-11-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/06/00
Analysis Date: 07/08/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
27702	EJM2GP11-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27703	EJM2GP12-02	<0.100	0.104	<0.100	<0.100	<0.100	06/28/00
27704	EJM2GP12-05	<0.100	0.140	<0.100	<0.100	<0.100	06/28/00
27705	EJM2GP12-10	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27706	EJM2GP12-15	<0.100	<0.100	<0.100	<0.100	<0.100	06/28/00
27707	EJM2GP13-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27708	EJM2GP13-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27709	EJM2GP13-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27710	EJM2GP13-15	<0.100	0.105	<0.100	<0.100	<0.100	07/06/00
27711	EJM2GP14-02	<0.100	0.144	<0.100	<0.100	<0.100	07/06/00
27712	EJM2GP14-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27713	EJM2GP14-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27714	EJM2GP14-15	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27715	EJM2GP15-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27716	EJM2GP15-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27717	EJM2GP15-10	<0.100	0.163	<0.100	0.168	0.117	07/06/00
27718	EJM2GP15-15	<0.100	0.169	<0.100	<0.100	<0.100	07/06/00
27719	EJM2GP16-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27720	EJM2GP16-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00
27721	EJM2GP16-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/06/00

% IA	99	95	98	111	101
% EA	96	95	97	110	100
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle
Raland K. Tuttle

7-11-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

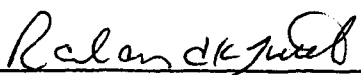
Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: 07/06/00
Receiving Date: 07/06/00
Analysis Date: 07/09/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
27722	EJM2GP16-15	<0.100	<0.100	<0.100	<0.100	<0.100

% IA	98	96	96	108	98
% EA	90	90	92	104	95
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030


Raland K. Tuttle

7-11-00
Date

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MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

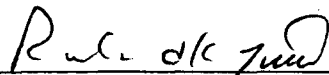
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: 07/12/00
Receiving Date: 07/14/00
Analysis Date: 07/15/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
28119	EJM2GP17-02	<0.100	0.156	0.109	<0.100	<0.100
28120	EJM2GP17-05	<0.100	0.113	<0.100	<0.100	<0.100
28121	EJM2GP17-10	<0.100	<0.100	<0.100	<0.100	<0.100
28122	EJM2GP17-15	<0.100	0.101	<0.100	<0.100	<0.100
28123	EJM2GP18-02	<0.100	0.156	<0.100	<0.100	<0.100
28124	EJM2GP18-05	0.162	0.135	0.107	0.128	0.109
28125	EJM2GP18-10	<0.100	<0.100	<0.100	<0.100	<0.100
28126	EJM2GP18-15	<0.100	<0.100	<0.100	<0.100	<0.100
28127	EJM2GP19-02	<0.100	<0.100	<0.100	0.345	<0.100
28128	EJM2GP19-05	<0.100	0.208	<0.100	<0.100	<0.100
28129	EJM2GP19-10	<0.100	<0.100	<0.100	<0.100	<0.100
28130	EJM2GP19-15	<0.100	0.118	<0.100	<0.100	<0.100
28131	EJM2GP20-02	<0.100	0.132	<0.100	0.155	<0.100
28132	EJM2GP20-05	<0.100	0.145	<0.100	<0.100	<0.100
28133	EJM2GP20-10	<0.100	0.113	<0.100	<0.100	<0.100
28134	EJM2GP20-15	<0.100	<0.100	<0.100	<0.100	<0.100

% IA	100	96	99	110	97
% EA	94	94	97	112	101
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030


Raland K. Tuttle

3-6-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

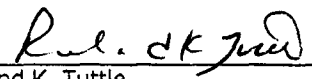
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/14/00
Analysis Date: 07/17/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
28135	EMJ2GP21-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28136	EJM2GP21-05	<0.100	0.138	<0.100	<0.100	<0.100	07/12/00
28137	EJM2GP21-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28138	EJM2GP21-15	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28139	EJM2GP22-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28140	EJM2GP22-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28141	EJM2GP22-10	0.107	<0.100	<0.100	<0.100	<0.100	07/12/00
28142	EJM2GP22-15	0.110	<0.100	<0.100	<0.100	<0.100	07/12/00
28143	EJM2GP23-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28144	EJM2GP23-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28145	EJM2GP23-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28146	EJM2GP23-15	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28147	EJM2GP24-02	<0.100	0.169	<0.100	<0.100	<0.100	07/12/00
28148	EJM2GP24-05	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28149	EJM2GP24-10	<0.100	<0.100	<0.100	<0.100	<0.100	07/12/00
28150	EJM2GP24-15	0.105	<0.100	<0.100	<0.100	<0.100	07/12/00
28151	EJM2GP25-02	<0.100	<0.100	<0.100	<0.100	<0.100	07/13/00

% IA	92	88	91	100	92
% EA	91	92	94	105	96
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030


Ralnd K. Tuttle

3-6-01
Date

ENVIRONMENTAL LAB OF , INC.

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EOTT ENERGY
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P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

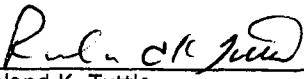
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/17/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
28152	EJM2GP25-05	0.100	<0.100	<0.100	<0.100	<0.100
28153	EJM2GP25-10	<0.100	<0.100	<0.100	<0.100	<0.100
28154	EJM2GP25-15	<0.100	<0.100	<0.100	<0.100	<0.100
28155	EJM2GP26-02	<0.100	<0.100	<0.100	<0.100	<0.100
28156	EJM2GP26-05	<0.100	<0.100	<0.100	<0.100	<0.100
28157	EJM2GP26-10	<0.100	<0.100	<0.100	<0.100	<0.100
28158	EJM2GP26-15	<0.100	<0.100	<0.100	<0.100	<0.100
28159	EJM2GP27-02	<0.100	<0.100	<0.100	<0.100	<0.100
28160	EJM2GP27-05	<0.100	<0.100	<0.100	<0.100	<0.100
28161	EJM2GP27-10	<0.100	<0.100	<0.100	<0.100	<0.100
28162	EJM2GP27-15	<0.100	<0.100	<0.100	<0.100	<0.100
28163	EJM2GP27-20	<0.100	<0.100	<0.100	<0.100	<0.100
28164	EJM2GP27-25	<0.100	<0.100	<0.100	<0.100	<0.100

% IA	90	86	89	96	89
% EA	85	85	86	93	88
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030


Raland K. Tuttle

3-6-01
Date

ENVIRONMENTAL

LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: 06/27/00
Receiving Date: 07/06/00
Analysis Date: 07/09/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
27659	EJM2GP1-02	<10	<10
27660	EJM2GP1-05	<10	<10
27661	EJM2GP1-10	<10	<10
27662	EJM2GP1-15	<10	<10
27663	EJM2GP2-02	<10	<10
27664	EJM2GP2-05	<10	<10
27665	EJM2GP2-10	<10	<10
27666	EJM2GP2-15	<10	<10
27667	EJM2GP3-02	<10	17
27668	EJM2GP3-05	<10	<10
27669	EJM2GP3-10	<10	<10
27670	EJM2GP3-15	<10	<10
27671	EJM2GP4-02	<10	17
27672	EJM2GP4-05	<10	<10
27673	EJM2GP4-10	<10	<10
27674	EJM2GP4-15	<10	<10
27675	EJM2GP5-02	<50	<50
27676	EJM2GP5-05	<10	<10
27677	EJM2GP5-10	<10	<10
27678	EJM2GP5-15	<10	<10
% IA		76	83
% EA		75	94
BLANK		<10	<10

METHODS: SW 846-8015M


Raland K. Tuttle

7-11-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

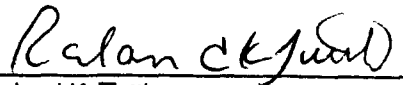
EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/06/00
Analysis Date: 07/09/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
27679	EJM2GP6-02	<50	240	06/27/00
27680	EJM2GP6-05	<10	16	06/27/00
27681	EJM2GP6-10	<10	<10	06/27/00
27682	EJM2GP6-15	<10	<10	06/27/00
27683	EJM2GP7-02	<10	335	06/28/00
27684	EJM2GP7-05	<10	23	06/28/00
27685	EJM2GP7-10	<10	<10	06/28/00
27686	EJM2GP7-15	<10	<10	06/28/00
27687	EJM2GP8-02	<10	<10	06/28/00
27688	EJM2GP8-05	<10	<10	06/28/00
27689	EJM2GP8-10	<10	<10	06/28/00
27690	EJM2GP8-15	<10	<10	06/28/00
27691	EJM2GP9-02	<10	<10	06/28/00
27692	EJM2GP9-05	<10	<10	06/28/00
27693	EJM2GP9-10	<10	<10	06/28/00
27694	EJM2GP9-15	<10	<10	06/28/00
27695	EJM2GP10-02	<10	<10	06/28/00
27696	EJM2GP10-05	<10	<10	06/28/00
27697	EJM2GP10-10	<10	<10	06/28/00
27698	EJM2GP10-15	<10	<10	06/28/00
27699	EJM2GP11-02	<10	65	06/28/00
27700	EJM2GP11-05	<10	<10	06/28/00
27701	EJM2GP11-10	<10	<10	06/28/00
% IA		90	109	
% EA		83	97	
BLANK		<10	<10	

METHODS: SW 846-8015M


Raland K. Tuttle

7-11-00
Date

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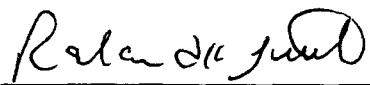
Sample Type: Soil
Sample Condition: Intact/ Iced/ 41 deg. F
Project #: Clay Osborn Jalmat Site II
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/06/00
Analysis Date: 07/09/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
27702	EJM2GP11-15	<10	<10	06/28/00
27703	EJM2GP12-02	<10	<10	06/28/00
27704	EJM2GP12-05	<10	<10	06/28/00
27705	EJM2GP12-10	<10	<10	06/28/00
27706	EJM2GP12-15	<10	<10	06/28/00
27707	EJM2GP13-02	<10	<10	07/06/00
27708	EJM2GP13-05	<10	<10	07/06/00
27709	EJM2GP13-10	<10	<10	07/06/00
27710	EJM2GP13-15	<10	<10	07/06/00
27711	EJM2GP14-02	<10	<10	07/06/00
27712	EJM2GP14-05	<10	<10	07/06/00
27713	EJM2GP14-10	<10	<10	07/06/00
27714	EJM2GP14-15	<10	<10	07/06/00
27715	EJM2GP15-02	<10	<10	07/06/00
27716	EJM2GP15-05	<10	<10	07/06/00
27717	EJM2GP15-10	<10	<10	07/06/00
27718	EJM2GP15-15	<10	<10	07/06/00
27719	EJM2GP16-02	<10	<10	07/06/00
27720	EJM2GP16-05	<10	<10	07/06/00
27721	EJM2GP16-10	<10	<10	07/06/00
27722	EJM2GP16-15	<10	<10	07/06/00

% IA	82	96
% EA	86	123
BLANK	<10	<10

METHODS: SW 846-8015M


Raland K. Tuttle

7-11-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

EOTT ENERGY
ATTN: MR. WAYNE BRUNETTE
P.O. BOX 1660
MIDLAND, TEXAS 79703
FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

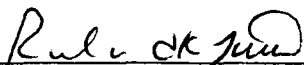
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: 07/12/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
28119	EJM2GP17-02	<10	<10
28120	EJM2GP17-05	<10	<10
28121	EJM2GP17-10	<10	<10
28122	EJM2GP17-15	<10	<10
28123	EJM2GP18-02	<10	<10
28124	EJM2GP18-05	<10	<10
28125	EJM2GP18-10	<10	<10
28126	EJM2GP18-15	<10	<10
28127	EJM2GP19-02	<10	<10
28128	EJM2GP19-05	<10	<10
28129	EJM2GP19-10	<10	<10
28130	EJM2GP19-15	<10	<10
28131	EJM2GP20-02	<10	19
28132	EJM2GP20-05	<10	<10
28133	EJM2GP20-10	<10	<10
28134	EJM2GP20-15	<10	<10

% IA	91	123
% EA	91	111
BLANK	<10	<10

METHODS: SW 846-8015M


Raland K. Tuttle

3-6-01
Date

ENVIRONMENTAL LAB OF , INC.

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P.O. BOX 1660
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FAX: 915-684-3456
FAX: 505-394-2601 (Pat McCasland)

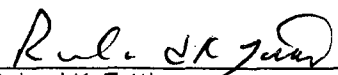
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: See Below
Receiving Date: 07/14/00
Analysis Date: 07/14/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
28135	EMJ2GP21-02	<10	<10	07/12/00
28136	EJM2GP21-05	<10	<10	07/12/00
28137	EJM2GP21-10	<10	<10	07/12/00
28138	EJM2GP21-15	<10	<10	07/12/00
28139	EJM2GP22-02	<10	<10	07/12/00
28140	EJM2GP22-05	<10	<10	07/12/00
28141	EJM2GP22-10	<10	<10	07/12/00
28142	EJM2GP22-15	<10	<10	07/12/00
28143	EJM2GP23-02	<10	<10	07/12/00
28144	EJM2GP23-05	<10	<10	07/12/00
28145	EJM2GP23-10	<10	<10	07/12/00
28146	EJM2GP23-15	<10	<10	07/12/00
28147	EJM2GP24-02	<10	<10	07/12/00
28148	EJM2GP24-05	<10	<10	07/12/00
28149	EJM2GP24-10	<10	<10	07/12/00
28150	EJM2GP24-15	<10	<10	07/12/00
28151	EJM2GP25-02	<10	<10	07/13/00

% IA	72	103
% EA	75	108
BLANK	<10	<10

METHODS: SW 846-8015M


Raland K. Tuttle

3-6-01
Date

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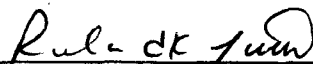
Sample Type: Soil
Sample Condition: Intact/ Iced/ 38 deg. F
Project #: Clay Osborn Site 2
Project Name: None Given
Project Location: None Given

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
28152	EJM2GP25-05	<10	<10
28153	EJM2GP25-10	<10	<10
28154	EJM2GP25-15	<10	<10
28155	EJM2GP26-02	<10	69
28156	EJM2GP26-05	<10	<10
28157	EJM2GP26-10	<10	<10
28158	EJM2GP26-15	<10	<10
28159	EJM2GP27-02	<10	<10
28160	EJM2GP27-05	<10	<10
28161	EJM2GP27-10	<10	<10
28162	EJM2GP27-15	<10	<10
28163	EJM2GP27-20	<10	<10
28164	EJM2GP27-25	<10	<10

% IA	82	114
% EA	80	100
BLANK	<10	<10

METHODS: SW 846-8015M


Raland K. Tuttle

3-6-01
Date