Basin Environmental Service Technologies,

P. O. Box 301 Lovington, New Mexico 88260 kdutton@basinenv.com

Office: (505) 396-2378 Fax: (505) 396-1429



PRELIMINARY SITE INVESTIGATION REPORT and WORK PLAN

Olsen Energy, Inc.
B. V. Lynch "A" & "B" Federal Lease
Lea County, New Mexico
UNIT J (NW/SE), Section 34, Township 20 South, Range 34 East
Latitude 32°, 31, 45.5" North, Longitude 103°, 32, 48.0" West

Prepared For:

Olsen Energy, Inc.
Oil & Gas Development
19210 Huebner Road
Suite 200
San Antonio, Texas 78258

Prepared By:
Basin Environmental Service Technologies, LLC
P. O. Box 301
Lovington, New Mexico 88260

21 April 2005

Ken Dutton

Başin Environmental Service Technologies, LLC

application # pPRS05/2341581 Olsen #16/82

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

April 27, 2005

12004

Olsen Energy, Inc., (Olsen) Attn: Rusty Olsen 19210 Huebner, Suite 200

San Antonio, TX 78258

Re:

B. V. Lynch "A" & "B" Federal Lease

Preliminary Site Work Plan Approval – Tank Battery Remediation Plan

UL-J Sec.34, T20S-R34E

Dated: April 21, 2005, Basin Environmental Service Technologies, LLC.

Dear Mr. Olsen,

The New Mexico Oil Conservation Division (OCD) reviewed the proposal submitted for Olsen by Basin Environmental Service Technologies, LLC, and referenced above. The proposal is **hereby approved** according to the information provided.

Please be advised that OCD approval does not relieve Olsen of liability should operations result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve Olsen of responsibility for compliance with other federal, state or local laws and/or regulations.

If you have any questions or need any assistance call: (505) 393-6161 x113 or email: psheeeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief

Chris Williams - District I Supervisor Larry Johnson - Environmental Engineer

Paul Evans - BLM Ken Dutton - Basin

INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded to a verbal request by Mr. Rusty Olsen, Olsen Energy, Inc. (Olsen), to visually inspect the operational tank-battery and affected areas adjacent to the battery to prepare a work plan for submission to New Mexico Oil Conservation Division (NMOCD) and the Bureau of Land Management (BLM) pertaining to the B. V. Lynch "A" & "B" Federal Lease on 06 April 2005. Olsen Energy, Inc., received a BLM Form 3160-18, Notice of Written Order, dated 28 March 2005, Number 05-PE-179 and 05-PE-180, initiating this request (Appendix B).

This site is located in Unit J (NW/SE), Section 34, Township 20 South, Range 34 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The latitude is 32 31, 45.5 North, and longitude is 103°, 32, 48.0 West. The site is characterized as an operational tank battery surrounded by pastureland utilized for cattle ranching.

SUMMARY OF FIELD ACTIVITIES

On 06 April 2005, Basin arrived at the B.V. Lynch "A" & "B" Federal Lease to visually inspect the tank battery and adjacent area. Utilizing the BLM Form 3160-18 the visually stained crude oil and chloride-impacted areas were located and preliminary assessment of the site was accomplished. Mr. Olsen was notified of Basin's preliminary assessment of the site and approved the preparation of a work plan for submission to NMOCD and BLM for approval.

New Mexico Oil Conservation Division (NMOCD) Soil Classification

A search of the New Mexico State Engineers database revealed no water depth information for that section; however, a stock tank and windmill are located approximately one-half mile to the southwest of the site, with a depth to groundwater of approximately 88 feet below ground surface (bgs). There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of 10 -19, which sets the remediation levels at:

Benzene:

10 ppm

BTEX:

50 ppm

TPH:

1000 ppm

The above criterion is assumed and may be adjusted based on the actual results of the soil delineation activities.

RECOMMENDATIONS FOR DELINEATION/REMEDIATION

Olsen proposes to mobilize a backhoe to the tank battery and adjacent impacted areas to determine the vertical and horizontal depth of the chloride and hydrocarbon-impacted soils (see Figure 2, proposed delineation locations). Delineation trenches will be excavated and soil samples will be collected at depth; field screened with a Photoionization Detector (PID) to determine Volatile Organic Compounds (VOC's), a chloride field test kit, and selected samples will be delivered to a certified laboratory for analysis. The soil samples will be analyzed for chlorides, BTEX and TPH-GRO/DRO. The delineation trenches will be backfilled for safety precautions, flagged: photographed and total depth documented awaiting analytical results.

A remedial work plan will be submitted to the NMOCD, Hobbs District, and BLM, Carlsbad District, for approval once delineation of the site is completed and remedial options have been evaluated. As requested in the BLM 3160-18, a BLM Undesirable Event Form (BLM NM 3162-1) will be accomplished and submitted to the Carlsbad BLM office.

QA/QC PROCEDURES

Soil Sampling

Soil samples will be delivered to Environmental Lab of Texas, Inc. (ELOT), in Odessa, Texas for BTEX, TPH and Chloride analyses using the methods described below. Soil samples will be analyzed for BTEX, TPH-GRO/DRO and Chlorides within fourteen days following the collection date.

The soil samples will be analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO
- Chloride concentrations in accordance with EPA Method 300.1

Decontamination Of Equipment

Cleaning of the sampling equipment will be the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment will be cleaned with Liqui-Nox® detergent and rinsed with distilled water.

Laboratory Protocol

The laboratory will be responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures will be either transmitted with the laboratory reports or are on file at the laboratory.



LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this Preliminary Investigation Report and Work Plan to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Service Technologies, LLC, has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Service Technologies, LLC, has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Service Technologies, LLC, has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Service Technologies, LLC, also notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Olsen Energy, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the written consent of Basin Environmental Service Technologies, LLC, and Olsen Energy, Inc.

DISTRIBUTION

Copy 1:

Mr. Rusty Olsen Olsen Energy, Inc.

19210 Huebner Road

Suite 200

San Antonio, Texas 78258

Copy 2:

Mr. Larry Johnson

New Mexico Oil Conservation Division

1625 Francis Dr.

Hobbs, New Mexico 88240 LWJohnson@state.nm.us

Copy 3:

Mr. Paul Evans

U. S. Department of the Interior Bureau of Land Management

620 E. Greene St. P. O. Box 1778

Carlsbad, New Mexico 88220
Paul Evans@nm.blm.gov

Copy 4:

Basin Environmental Service Technologies LLC

P. O. Box 301

Lovington, New Mexico 88260

kdutton@basinenv.com

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FIGURES

FIGURE 1

SITE LOCATION MAP

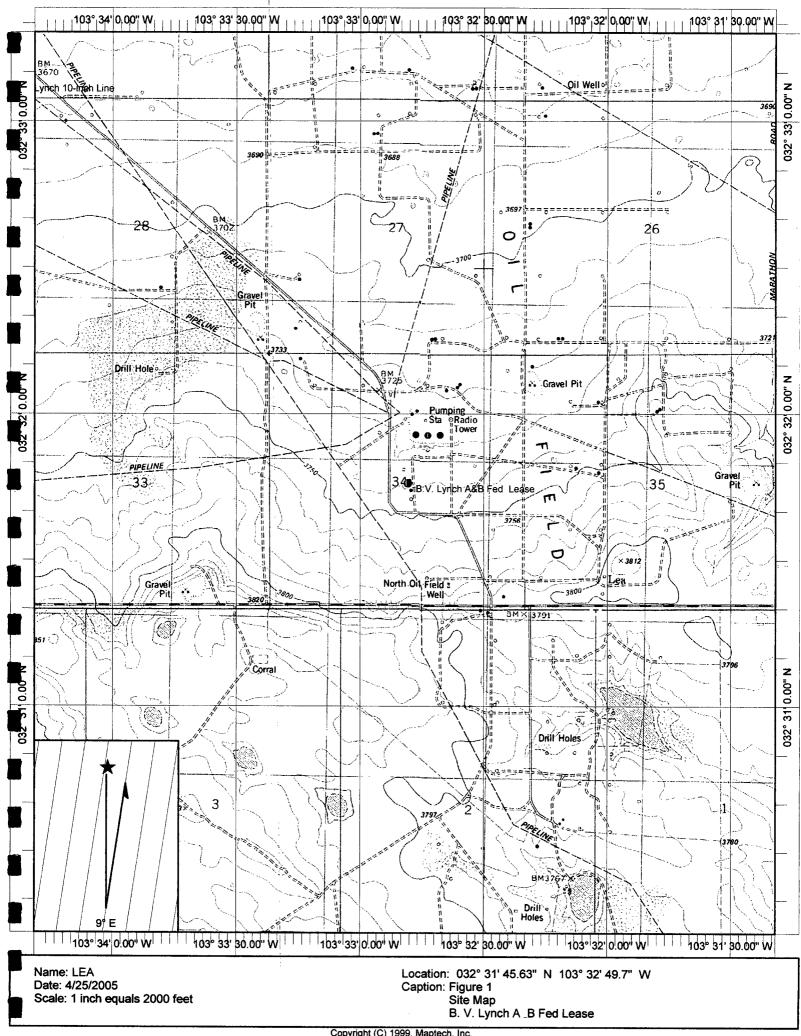
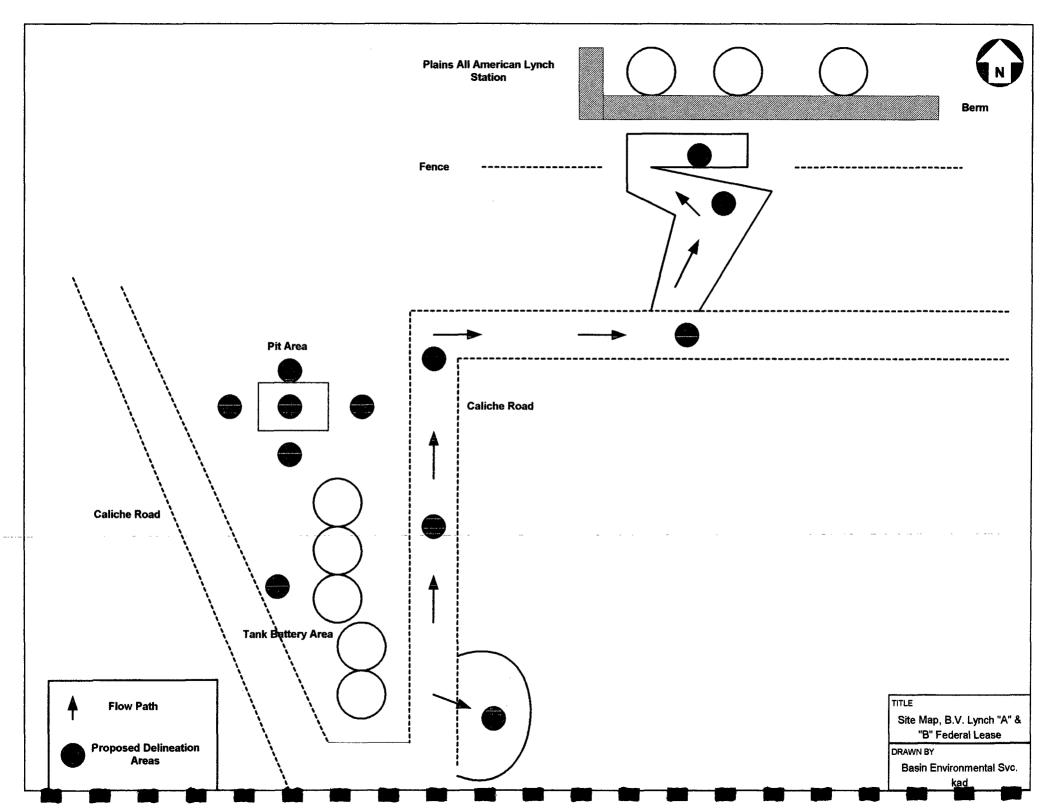


FIGURE 2

SITE MAP



APPENDICES

APPENDIX A

NEW MEXICO OFFICE OF THE STATE ENGINEER WATER WELL DATABASE REPORT ATOMOTO CONTROL TO 17 TO A LANGE OF THE PROPERTY OF THE PROPER

Column

New Mexico Office of the State Engineer Well Reports and Downloads

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APPENDIX B

BLM FORM 3160-18, NOTICE OF WRITTEN ORDER

Form 3160-18 (October, 1999)

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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Form 3160-18 (October, 1999)

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Additional information for Written Order Number 05-PE-180

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BLM Remarks, continued