GW - 29

GENERAL CORRESPONDENCE

YEAR(S):

2007-1978

Lowe, Leonard, EMNRD

From: Price, Wayne, EMNRD
Sent: Thursday, November 01, 2007 8:16 AM
To: HUDSON, MATTHEW
Cc: Lowe, Leonard, EMNRD
Subject: RE: Buckeye Compressor Station GW-29

Thanks Matthew, duly noted.

Leonard make sure this e_mail is placed in the GW-29 file.

From: HUDSON, MATTHEW [mailto:MHKW@chevron.com]
Sent: Monday, October 29, 2007 8:36 AM
To: Price, Wayne, EMNRD
Subject: RE: Buckeye Compressor Station GW-29

Wayne,

I can't remember if I responded to this, but to confirm...Chevron is handling the existing groundwater remediation issue at the Buckeye Compressor Station GW-29. This includes only the current groundwater issues related to historical activities and not necessarily any subsequent release in the future. Please give me a call if you need additional information.

Thanks
Matt

From: Price, Wayne, EMNRD [mailto:wayne.price@state.nm.us]
Sent: Thursday, August 16, 2007 8:43 AM
To: Kristen Stevenson; HUDSON, MATTHEW
Cc: Mark Larson; Cal Wrangham
Subject: RE: Buckeye Compressor Station GW-29

Dear Mr. Hudson:

Please provide OCD an E-mail stating that Chevron will be handling the groundwater issue at the site mentioned below.

From: Kristen Stevenson [mailto:kristen@laenvironmental.com]
Sent: Wednesday, August 15, 2007 8:10 AM
To: Price, Wayne, EMNRD
Cc: Mark Larson; Cal Wrangham
Subject: RE: Buckeye Compressor Station GW-29

Dear Mr. Price,

I have contacted the project manager at Chevron who has the Targa Buckeye Compressor Station site. The project manager's name is Matt Hudson and he said that he would be happy to send a written commitment for the groundwater clean up if he received a written request from the OCD. I do not know if a written request from the OCD has already been sent, or if one needs to be drafted so that Chevron can provide their written commitment. Below is the address for Matt Hudson, or if you prefer to send the request to me so that I could forward it on my

address is also included. Please copy me and Mr. Cal Wrangham (CWrangham@targaresources.com) on any correspondence with Matt Hudson or Chevron. Please let me know if I can be of any more assistance. Thank you.

Sincerely,

Kristen Stevenson
Environmental Scientist
Larson & Associates, Inc.
432.687.0901 office
432.853.8169 cell
432.687.0456 fax
Kristen@laenvironmental.com

Matt
Hudson
Kristen Stevenson
Project
Manager
Environmental Scientist
Chevron Environmental Management Company Larson
& Associates, Inc.
Abandonment Business Unit
507 N. Marienfeld
1400 Smith
Street Suite 202
Room
19001A
Midland, Texas 79701
Houston, Texas 77002
mhkw@chevron.com

From: Price, Wayne, EMNRD [mailto:wayne.price@state.nm.us]
Sent: Tuesday, July 17, 2007 3:16 PM
To: Kristen Stevenson
Cc: Cal Wrangham; Mark Larson
Subject: RE: Buckeye Compressor Station GW-29

OCD will require a written commitment from Texaco/Chevron.

From: Kristen Stevenson [mailto:kristen@laenvironmental.com]
Sent: Tuesday, July 17, 2007 2:10 PM
To: Price, Wayne, EMNRD
Cc: Cal Wrangham; Mark Larson
Subject: Buckeye Compressor Station GW-29

Dear Mr. Price,

In response to your e-mail to Mr. Cal Wrangham, regarding the groundwater contamination at the Targa Buckeye Compressor Station, I have faxed two letters to Mr. VonGonten detailing Texaco/Chevron's agreement to be responsible for the groundwater contamination. I talked with Mr. VonGonten on July 17, 2007 and faxed the letters shortly after our phone conversation. Mr. VonGonten said that he would have to review the documents and then proceed from there. Please let me know if I can be of any more assistance. Thank you.

Sincerely,

Kristen Stevenson
Environmental Scientist
Larson & Associates, Inc.
kristen@laenvironmental.com
(432) 687-0901
Fax: (432) 687-0456

This inbound email has been scanned by the MessageLabs Email Security System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

This inbound email has been scanned by the MessageLabs Email Security System.

Price, Wayne, EMNRD

From: Price, Wayne, EMNRD
Sent: Wednesday, March 07, 2007 4:51 PM
To: Cal Wrangham (cwrangham@targaresources.com)
Cc: VonGonten, Glenn, EMNRD
Subject: Buckeye Compressor St. GW-29

Dear Cal,

After reviewing your recently approved DP we noticed you were suppose to provide us an update on the groundwater contamination. In addition, Chevron was in for a meeting and this discussion came up. Until OCD receives verification from all parties on who is handling the contamination Targa will be responsible. I am sure this was worked out but OCD need verification so we may split the permit.

Thanks

Wayne Price
Environmental Bureau Chief
Oil Conservation Division
1220 S. Saint Francis
Santa Fe, NM 87505
505-476-3490
Fax: 505-476-3462

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 850
Hobbs, NM 88241-0850
Phone: (505) 393-2123
Fax: (505) 397-0610

WAYNE PRICE
OIL CONSERVATION DIVISION
1220 S. SAINT FRANCIS
SANTA FE, NM 87505

2006 FEB 2 PM 12 17

Cust#: 01101546-000
Ad#: 02580583
Phone: (505)827-5950
Date: 01/31/06

Ad taker: HNS **Salesperson:** 08 **Classification:** 673

Description	Start	Stop	Ins.	Cost/Day	Surcharges	Total
07 07 Daily News-Sun	12/14/05	12/14/05	1	104.89		104.89
Bold						1.00
Affidavit for legals						3.00

Payment Reference:

Total:	108.89
Tax:	7.28
Net:	116.17
Prepaid:	0.00
Total Due	116.17

LEGAL NOTICE
December 14, 2005

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-029) - Dynegy Midstream Services, LP, Cal Wrangham, 6 Desta Drive, Suite 3300, Midland, Texas 79705, has submitted an application for renewal of its previously approved

2/7/06

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

_____ weeks.

Beginning with the issue dated

December 14 2005

and ending with the issue dated

December 14 2005

Kathi Bearden

Publisher

Sworn and subscribed to before me this 14th day of December 2005

Dora Montz

Notary Public.

My Commission expires
February 07, 2009
(Seal)

OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: _____

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
December 14, 2005

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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(GW-029) – Dynegy Midstream Services, LP, Cal Wrangham, 6 Desta Drive, Suite 3300, Midland, Texas 79705, has submitted an application for renewal of its previously approved discharge plan for its Buckeye Gas Processing Plant located in the NE/4 SE/4 and SW/4 SW/4 of Section 36, township 17 South, Range 34 East and the NE/4 NE/4 and SW/4 NE/4 of Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of 1,300 mg/l is disposed of at OCD permitted offsite Class II injection wells. Ground water most likely to be affected by any accidental discharge is at a depth of approximately 120 feet and has a total dissolved solids content of approximately 360 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
S E A L
Mark Fesmire, Director
#22022

Approved
2/17/06

01101546000 02580583

OIL CONSERVATION DIVISION
P.O. BOX 1980
SANTA FE, NM 87501

THE SANTA FE
NEW MEXICAN
Founded 1849

EMNRD MINING & MINERALS
ATTN: Wayne Price
1220 S St. Francis Dr
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56660
AD NUMBER: 00148920 ACCOUNT: 00002190
LEGAL NO: 78106 P.O. #: 06-199-050125
230 LINES 1 TIME(S) 128.80
AFFIDAVIT: 5.50
TAX: 10.16
TOTAL: 144.46

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, R. Lara, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 78106 a copy of which is hereto attached was published in said newspaper 1 day(s) between 12/07/2005 and 12/07/2005 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 7th day of December, 2005 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ R. Lara
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 7th day of December, 2005

Notary Laura E. Harding

Commission Expires: 11/23/07

OK To Pay
Ed Martin
1-4-06

OFFICIAL SEAL
Laura E. Harding
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 11/23/07

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

SEAL

Mark Fesmire,
Director

Legal #78106
Pub. December 7, 2005

Price, Wayne

From: Price, Wayne
Sent: Thursday, April 18, 2002 5:18 PM
To: 'bailerg@chevrontexaco.com'
Cc: 'cwwr@dynegy.com'; 'mark@laenvironmental.com'; Sheeley, Paul; Johnson, Larry
Subject: Groundwater Investigation- Buckeye Compressor Station GW-029

Dear Mr. Bailey:

The OCD is in receipt of the groundwater investigation work plan dated April 12, 2002 submitted by Larson & Associates, Inc. The OCD hereby approves of the plan with the following conditions:

1. Notify the OCD Santa Fe office and the OCD District office at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.

2. Submit the results of the investigation by July 19, 2002.

Please be advised that NMOCD approval of this plan does not relieve Chevron-Texaco or Dynegy of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Chevron-Texaco or Dynegy of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Larson & Associates, Inc.
Environmental Consultants

April 12, 2002

Via Facsimile: (505) 827-8177

Mr. Wayne Price
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Groundwater Investigation Work Plan, Buckeye Compressor Station (GW-029), Unit Letter O (SW/4, SE/4), Section 36, Township 17 South, Range 34 East, Lea County, New Mexico

Dear Mr. Price:
Texaco Exploration and Production Inc. (Texaco), former operator of the Buckeye Compressor Station (Site), has retained Larson and Associates, Inc. (LA) to prepare a work plan to investigate the source and extent of dissolved benzene that was reported in a sample from a well at the Site. The benzene impact was detected during renewal of the groundwater discharge plan (GW-029). This letter presents the groundwater investigation plan that was requested by the New Mexico Oil Conservation Division (NMOCD) on January 17, 2002. Figure 1 presents a Site location and topographic map. Figure 2 presents Site Details.

PROPOSED INVESTIGATIONS

Proposed Investigation Areas
In order to effectively investigate the source and extent of benzene impact at the Site, soil borings will be installed in the following locations:

- North (BH-3) and south (BH-2) of the Slop Oil Tanks,
- North of the Metering Skid and Chevron Sales Pumps (BH-4),
- North of the Storage Area (BH-5),
- North of the Condensate Storage area (BH-6),
- North, south, east and west of the Skimmer Pit (BH-7, BH-8, BH-9 and BH-10),
- North of the Salt Bed and Hot Oil Heaters (BH-11),
- North of the Compressor Building (BH-12, BH-13 and BH-14),
- South of the Compressor Building (BH-15), and
- West of the Glycol Regeneration Area (BH-16).

Additionally, one soil boring (BH-1), to represent background conditions, will be installed to the south of the Site.

Monitoring wells will be installed at the following locations:

- Southeast corner of the site (MW-1),
- North of the skimmer pit (MW-2),
- North of the Dehydrator Skids (MW-3),
- Outside the northeast fence line (MW-4),

- North of the northern fence line (MW-5),
- North of the Compressor Building (MW-6 and MW-7), and
- West of the Cooling Tower (MW-8).

Soil Borings

Approximately sixteen (16) soil borings will be installed at the Site to determine potential sources for the benzene impact. Figure 2 presents the locations for the proposed borings. The borings will be drilled using a truck-mounted air rotary drilling rig. The soil samples will be collected using a split-spoon sampler or equivalent device for geological descriptions and possible laboratory analysis. Each soil sample will be placed in a clean glass sample container, labeled, chilled in an ice chest, and delivered under chain-of-custody control to an environmental laboratory. A portion of each sample will be collected in a separate glass sample jar for soil headspace gas analysis using the ambient temperature headspace (ATH) method. The ATH method involves placing a soil sample in a clean glass sample jar to approximately ¾ full, sealing the top of the jar with aluminum foil before replacing the cap. After approximately 15 minutes at ambient temperature the concentration of organic vapors in the headspace of the sample jar is measured with a photoionization detector (PID). The probe of the PID is passed through the aluminum foil and measures the concentration of ionizable hydrocarbons in the headspace vapors. The NMOCD allows a PID measurement of 100 parts per million (ppm) or less to be substituted for a laboratory analysis of benzene, toluene, ethylbenzene, and xylene (commonly referred to as BTEX). The NMOCD requires laboratory confirmation for BTEX when a PID measurement exceeds 100 ppm.

However, headspace analysis cannot replace a laboratory analysis for total petroleum hydrocarbons (TPH). A soil sample will be collected at the surface at each location, and every ten (10) feet thereafter until observed impacts diminish or groundwater is encountered. Initially, the sample exhibiting the highest PID reading, and deepest sample from each boring will be analyzed for TPH and chloride. The samples will also be analyzed for BTEX if PID readings exceed 100 ppm, and additional samples may be analyzed to characterize potential impacts. The analysis will be compared to the Recommended Remediation Action Levels established by the NMOCD to determine the need for remediation. A geologic log will be prepared for each boring that graphically displays the PID readings.

The sample exhibiting the highest TPH concentration will be analyzed for the primary New Mexico Water Quality Control Commission (WQCC) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) to determine potential impacts to soil. The laboratory results will be compared to background and soil screening levels established by the New Mexico Environment Department (NMED) for these compounds. Additional samples may be analyzed if the reported concentrations exceed the soil screening levels. Drill cuttings will be placed on the ground adjacent to the borings until the laboratory analyses are received, and disposal is arranged. All down-hole equipment (i.e., drilling rods, bit, etc.) will be thoroughly decontaminated between each use with a high-pressure hot water wash and rinse. All soil sampling equipment (i.e., split-spoon sampler, samples trowels, etc.) will be thoroughly washed between events with potable water and laboratory-grade detergent and rinsed with distilled water.

Monitoring Wells

Texaco proposes to install eight (8) monitoring wells at the Site. The proposed well locations are presented on Figure 2. The anticipated groundwater flow direction is from south to north, and groundwater occurs at about 125 feet below ground surface (BGS), based on depth-to-groundwater measured in nearby monitoring wells. Depth-to-groundwater at the Site may vary due to draw down from the water well located at the Site. The monitoring wells may be drilled to about 140 feet BGS, however, the final well depths will be determined from field observations. An air-rotary drilling rig will be used to drill the wells, and soil samples will be collected using a split-spoon or equivalent sampling device at intervals previously described. The soil samples will be field screened using the ATH method previously described. The sample exhibiting the highest PID reading, and sample collected immediately above the groundwater level observed during drilling will be analyzed for TPH and chloride. The samples may also be tested for BTEX if PID readings exceed 100 ppm. Additional samples may be tested as necessary to define the vertical extent of a potential impact.

The monitoring wells will be constructed with 2-inch diameter schedule 40 PVC casing and screen. Approximately 20 feet of well screen will be placed in each well, with approximately 15 feet of screen extending into groundwater, and 5 feet extending above groundwater. Silica sand will be placed around the well screen to about 2 feet above the screen. A layer of bentonite pellets, approximately 2 feet thick, will be placed over the sand, and hydrated with potable water. The remainder of the annulus will be filled with cement and bentonite grout, to about one (1) foot below ground. Each well will be secured with an above-grade locking steel cover anchored in a concrete pad measuring approximately 3 feet by 3 feet. The monitoring wells and water well will be surveyed by a Professional Land Surveyor registered in the State of New Mexico. The wells will be surveyed for horizontal location, top-of-casing and ground elevations.

The wells will be bailed after installation to remove fine-grained sediment disturbed during drilling. Additional development will be performed using an electric submersible pump and dedicated polyethylene tubing. The purged water will be contained in a portable tank, and placed in the produced water injection system at the Vacuum Field Unit operated by Texaco. All equipment contacting groundwater (i.e., water level indicator, interface probe, submersible pump, etc.) will be thoroughly cleaned and rinsed between wells using laboratory-grade detergent.

Groundwater samples will be collected from all wells, including the monitoring wells and water well, and analyzed for BTEX, dissolved WQCC metals, anions, cations, and TDS. Depth-to-groundwater will be measured in the water well and monitoring wells before the wells are purged and sampled. Groundwater samples will be collected using dedicated disposable polyethylene bailers, and carefully poured into laboratory-prepared containers. Samples for dissolved metals analysis will be filtered using dedicated 0.45-micron disposable filters before placement in the laboratory-prepared container, and preservation. The sample containers will be labeled, immediately chilled in an ice chest, and transferred under chain-of-custody control to the laboratory. A duplicate sample and trip blank will be collected for Quality Assurance/Quality Control (QA/QC). The field observations will be documented in a bound field notebook, and a construction diagram and geologic log will be prepared for each monitoring well.

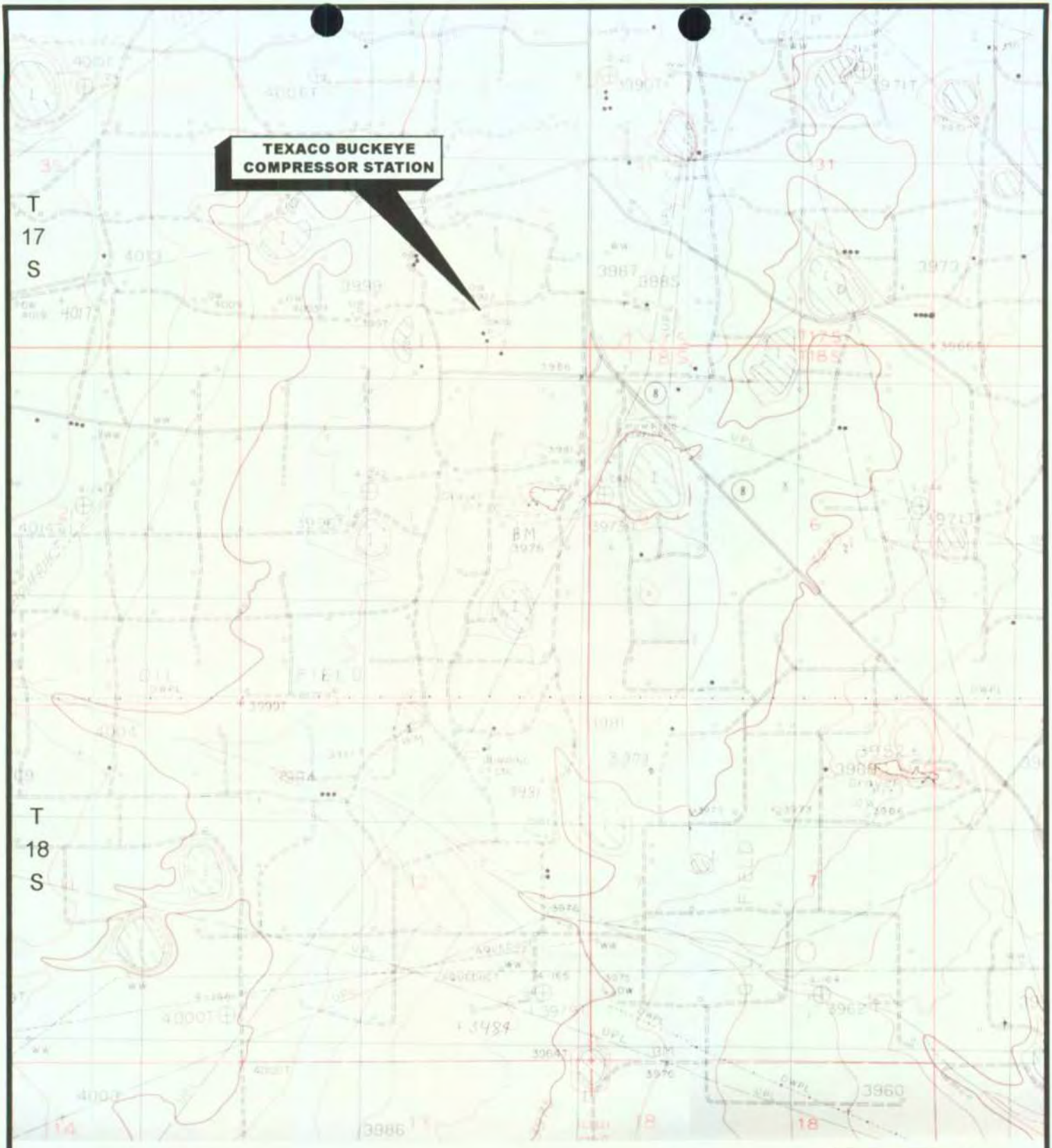
A review of New Mexico State Engineer records will be performed to determine the construction of the water well. The records review will also include water wells within 0.5 miles of the Site to determine possible receptors. A final report will be submitted to the NMOCD following completion of the investigation, and will include summaries of field and laboratory data, a groundwater flow diagram, and isopleth maps of various parameters exhibited in groundwater above regulatory limits. Please call Mr. Rodney Bailey at (915) 687-7100 or myself at (915) 687-0901 if you have questions.

Sincerely,
Larson & Associates, Inc.

Cindy Crain
Geologist

Encl.

cc: Mr. Rodney G. Bailey - Texaco
Mr. Cal Wrangham – Dynegy
Mr. Paul Sheeley – NMOCD, Hobbs District



TAKEN FROM U.S.G.S.
BUCKEYE & LOVING SW, NEW MEXICO 1985
7.5' QUADRANGLES

SCALE: 1"=2000'

FIGURE #1

LEA COUNTY, NEW MEXICO

TEXACO EXPLORATION and PRODUCTION INC.

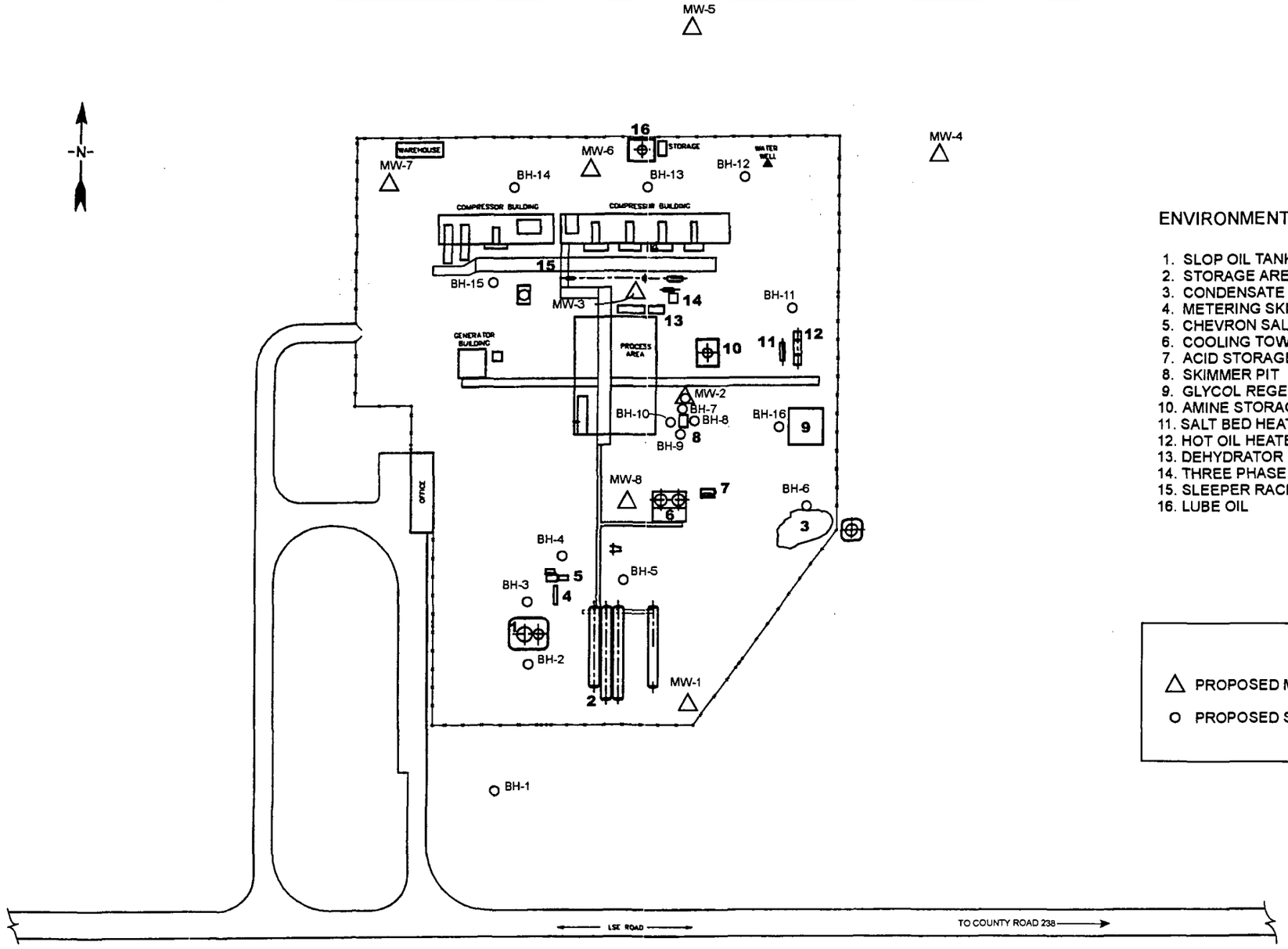
BUCKEYE COMPRESSOR STATION

TOPOGRAPHIC MAP

SE/4, SE/4 , SEC. 36, T-17-S, R-34-E

DATE 04/06/02
NAME
FILE 2-0102

Larson & Associates, Inc.
Environmental Consultants



ENVIRONMENTAL INVESTIGATION AREAS

1. SLOP OIL TANKS
2. STORAGE AREA
3. CONDENSATE STORAGE
4. METERING SKID
5. CHEVRON SALES PUMPS
6. COOLING TOWER
7. ACID STORAGE TANKS
8. SKIMMER PIT
9. GLYCOL REGENERATION AREA
10. AMINE STORAGE
11. SALT BED HEATER
12. HOT OIL HEATER
13. DEHYDRATOR SKIDS
14. THREE PHASE SEPARATOR
15. SLEEPER RACK
16. LUBE OIL

LEGEND

△ PROPOSED MONITORING WELL LOCATION

○ PROPOSED SOIL BORING LOCATION

FIGURE #2

LEA COUNTY, NEW MEXICO

TEXACO EXPLORATION and PRODUCTION INC.
BUCKEYE COMPRESSOR STATION

SITE DETAILS
PROPOSED SOIL BORING and MONITORING WELL LOCATIONS

DATE: 04/04/02
NAME:
FILE: 2-0102

Larson & Associates, Inc.
Environmental Consultants

Larson & Associates, Inc.
Environmental Consultants

March 7, 2002

VIA FACSIMILE: (505) 476-3462

Mr. Wayne Price, Engineer
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Re: Water Well Impact and Groundwater Investigation Work Plan, Buckeye Compressor Station (GW-029), Lea County, New Mexico

Dear Mr. Price:
Texaco Exploration and Production Inc. (Texaco) has requested Larson and Associates, Inc. (LA) to prepare a work plan to perform a groundwater investigation at the Buckeye Compressor Station (Site). Dynegy Midstream Services, L.P. (Dynegy) reported an elevated benzene level in a sample collected from the water well during renewal of the groundwater discharge plan (GW-029). Texaco will be responsible for the investigation in accordance with an agreement when it merged its interest in the Site with Dynegy (Versado Gas Processors, L.P.). LA will prepare a work plan in accordance with the communication between the NMOCD and Dynegy (electronic mail) dated January 17, 2002. Please call Mr. Rodney Bailey with ChevronTexaco Inc. at (915) 687-7100 or myself at (9150 687-0901 if you have questions.
Sincerely,
Larson and Associates, Inc.

Mark J. Larson, CPG. CGWP
President

cc: Rodney Bailey - ChevronTexaco
Cal Wrangham – Dynegy
Paul Sheeley – NMOCD District I

507 North Marienfeld, Suite 202 ◆ Midland, Texas 79701 ◆ Ph. (915) 687-0901 ◆ Fax (915) 687-0456

Price, Wayne

From: Price, Wayne
Sent: Thursday, January 17, 2002 4:11 PM
To: 'cwwr@dynegy.com'
Cc: 'mark@laenvironmental.com'; Sheeley, Paul; Johnson, Larry
Subject: Buckeye Compressor Station GW-029

Dear Mr. Wrangham:

The OCD is in receipt of Larson @ Associates Inc. plan dated July 25, 2001. The OCD hereby approves of the plan and requires
Dynegy to submit for OCD approval a Groundwater Investigation Plan by April 15, 2002.

Please be advised that NMOCD approval of this plan does not relieve Dynegy of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Dynegy of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Dynegy Midstream Services, Limited Partnership
6 Desta Drive, Suite 3300
Midland, Texas 79705
Phone 915.688.0555 • Fax 915.688.0552
www.dynegy.com

DYNEGY

February 14, 2001

Mr. Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: GW-029
Buckeye Compressor Station
Discharge Plan Renewal

Dear Sir:
Please find attached a check ($1700.00) for the discharge plan renewal flat fee and the signed approval conditions. I would like to thank you and your staff for the professional and courteous manner in which you have guided us through this process.

Please call with any questions or concerns. (915) 688-0542.

Sincerely,

Cal Wrangham
ES&H Advisor

Cc: Chris Williams/ OCD Hobbs with attachments
James Lingnau/Dynegy w/o attachments
Monument Plant Files

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/27/01

or cash received on _____ in the amount of $ 1700.00

from VERSADO GAS PROCESSORS, L.L.C.

for DYNEGY - BUCKEYE COMPRESSOR STA. GW-029

Submitted by: WAYNE PRICE (Facility Name) Date: 2/27/01 (OGRID No.)

Submitted to ASD by: [signature] Date: 2/27/01

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

VERSADO GAS PROCESSORS, L.L.C.
1000 LOUISIANA, SUITE 5800
HOUSTON, TEXAS 77002-5050
(877)672-1449

BANK ONE, NA
CHICAGO, IL 60670

62-28
311
0934623

PAY One Thousand Seven Hundred and NO/100 Dollars

CHECK NO.	CHECK DATE	PAY EXACTLY
[redacted]	02 / 20 / 01	$******1,700.00

Void After 90 Days

TO THE ORDER OF

Water Quality Management Fund
c/o Oil Conservation Division
1220 S St Francis Dr
Santa Fe NM 87505

GW-029

[redacted]

VERSADO GAS PROCESSORS, L.L.C.

[signature]

VICE PRESIDENT - TREASURER
AUTHORIZED SIGNATURE

THE ORIGINAL DOCUMENT HAS A VISIBLE WATERMARK ON THE BACK - HOLD AT AN ANGLE TO SEE THE MARK WHEN CHECKING THE ENDORSEMENTS

Price, Wayne

From: Price, Wayne

Sent: Wednesday, February 07, 2001 3:06 PM

To: 'Cal.Wrangham@dynegy.com'

Subject: RE: Dynegy Discharge Plans

Approved!

From: Cal.Wrangham@dynegy.com[SMTP:Cal.Wrangham@dynegy.com]

Sent: Wednesday, February 07, 2001 2:48 PM

To: WPrice@state.nm.us

Subject: Dynegy Discharge Plans

Because of the resent pending policy changes on used filter disposal Dynegy requests to revise NMOCD Discharge Plans. This includes permit # GW-003, 004, 005, 025, 026, 027, and 029. The Discharge Plans Waste Management Sections list the used filters to be transported and disposed of by Waste Management Inc. at the Lea County landfill. Dynegy would like to utilize E&E Environmental, PO Box 683, Brownfield TX. 79731. E&E will transport the filters to their Childress,Texas facility for processing/recycling. The filters are a non-hazardous waste stream.

Affidavit of Pul .cation

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal NOtice

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of October 31, 2000 and ending with the issue of October 31, 2000.

And that the cost of publishing said notice is the sum of $ 56.76 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 14th day of November 2000

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2002

LEGAL NOTICE
NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-029) - Dynegy Midstream Services, LP, Cal Wrangham, 6 Desta Drive, Suite 3300, Midland, Texas 79705, has submitted an application for renewal of its previously approved discharge plan for its Buckeye Gas Processing Plant located in the NE/4 SE/4 and SW/4 SW/4 of Section 36, Township 17 South, Range 34 East and the NE/4 NE/4 and SW/4 NE/4 of Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of 1,300 mg/l is disposed of at OCD permitted offsite Class II injection wells. Ground water most likely to be affected by any accidental discharge is at a depth of approximately 120 feet and has a total dissolved solids content of approximately 360 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23rd day of October, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY, Director

SEAL

Published in the Lovington Daily Leader October 31, 2000.

THE SANTA FE
NEW MEXICAN
Founded 1849

NOV - 1 2000

NM OIL CONSERVATION DIVISION
ATTN: DONNA DOMINGUEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 178338 ACCOUNT: 56689
LEGAL NO: 68300 P.O.#: 00199000278
185 LINES 1 time(s) at $ 81.55
AFFIDAVITS: 5.25
TAX: 5.43
TOTAL: 92.23

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B Perner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #68300 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/30/2000 and 10/30/2000 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 30 day of October, 2000 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 30 day of October A.D., 2000

Notary Laura E. Harding

Commission Expires 11/23/03

Affidavit Waived

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, this 23-rd day of October 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY,
Director

Legal #68300
Pub. October 30, 2000

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23-rd day of October, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for LORI WROTENBERY, Director

SEAL

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23-rd day of October, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for Roger Anderson

SEAL

LORI WROTENBERY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 10/11/00,

or cash received on ______________ in the amount of $ 50.00

from DYNEGY MIDSTREAM SERVICES

for BUCKEYE COMPRESSOR St.

Submitted by: (Facility Name) WAYNE PRICE Date: (DP No.) 10/20/00

Submitted to ASD by: [signature] Date: 10/20/00

Received in ASD by: ______________ Date: ______________

Filing Fee ✓ New Facility ____ Renewal ____

Modification ____ Other ______________ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ____

DYNEGY MIDSTREAM SERVICES,
LIMITED PARTNERSHIP
1000 LOUISIANA, SUITE 5800
HOUSTON, TEXAS 77002-5050
(713) 507-3988

BANK ONE, NA
CHICAGO, IL 60670

62-28
311
0973777

PAY Fifty and NO/100 Dollars

CHECK NO.	CHECK DATE	PAY EXACTLY
[redacted]	10 / 11 / 00	$*********50.00

Void After 90 Days

TO THE ORDER OF

Water Quality Management Fund
c/o Oil Conservation Division
2040 South Pacheco
Santa Fe NM 87508

DYNEGY MIDSTREAM SERVICES,

[signature]

VICE PRESIDENT - TREASURER
AUTHORIZED SIGNATURE

[redacted]

Dynegy Midstream Services, Limited Partnership
6 Desta Drive, Suite 3300
Midland, Texas 79705
Phone 915.688.0555
Fax 915.688.0552
www.dynegy.com

DYNEGY

October 9, 2000

Wayne Price
Environmental Engineer
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Discharge Plan GW-029 Renewal
Buckeye Compressor Station

Gentlemen:

Dynegy Midstream Services, L. P. would like to renew the Buckeye Compressor Station Discharge Plan as required by WQCC Sec. 3106.

Please find the attached:
1) The renewal form and a check in the amount of $50.00, which constitutes our filing fee for the Discharge Plan renewal.
2) The updated Spill Prevention Control and Countermeasure Plan.
3) The updated sources of effluent and waste solids (Waste Stream List).

Please call me with any questions, Office (915) 688-0542 Cellular (915) 425-7072.

Sincerely,

Cal Wrangham
Permian Basin Region ES&H Advisor

Cc: Chris Williams, OCD Hobbs District Office

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Revised March 17, 1999

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS. REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: Buckeye Compressor Station

2. Operator: Dynegy Midstream Services, L. P.

   Address: PO Box 67 Monument, NM 88265 (from Hobbs take US 62 west to NM 529 (west). Turn right (north) at NM 238 approximately 5 miles to plant on left)

   Contact Person: Cal Wrangham Phone: (915) 688-0542

3. Location: /4 /4 Section 36, 1 Township 17, 18 South Range 34 East
   Submit large-scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
   Versado Gas Processors, L. L. C., 1000 Louisiana Street, Houston, TX. 77002

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
   See on file at OCD.

6. Attach a description of all materials stored or used at the facility. **See on file at OCD**

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of wastewater must be included. **See attached Waste Stream document.**

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
   See on file at OCD .

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
   None.

10. Attach a routine inspection and maintenance plan to ensure permit compliance. **See on file at OCD**

11. Attach a contingency plan for reporting and clean-up of spills or releases. **See attached SPCC Plan.**

12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
    See on file at OCD

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. **See on file at OCD**

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Cal Wrangham Title: Permian Basin Region ES&H Advisor

Signature: Cal Wrangham Date: 10/9/00

Buckeye Compressor Station
Waste Streams
Dynegy Midstream Services, L. P.

ITEM	TYPE	EXPECTED AMOUNT	SOURCE	DISPOSAL METHOD
Filter	Dust,	100 Cartridges/yr	Oil, Gas filter	Waste Management
	Oil, Product		cases, Air intake	of SE New Mexico
	Charcoal, Air,		cases	
	Paper, Wood,	1 tons/yr.	Office, Shop etc	Waste Management
Trash	Cardboard,			of SE New Mexico
	Household items,			
	etc.			
Oil/Scrubber	Oil sludge, Sand,	Infrequent, varied	Scrubbers, Oil	Gandy Marley, Inc.
Tank Bottoms	Dirt, Scrubber	amounts	Tanks	
Solvent	Varsol	100 gals/yr	Parts washing	Oil Recovery
	Cleaning Fluid			Tank (Recycled)
Steel Drums	Lube oil, Antifreeze,	Infrequent, varied	Outside vendors	Emptied and
	Chemicals	amounts		returned to
				vendor.
Soil contaminated	N/A	Infrequent varied	Pipeline Leaks	NMOCD Permitted
with hydrocarbons		amounts	NGL Liquids	Landfarm
Used Oil	Lub Oils	100 bbls/yr.	Engines	Added to Scrubber
				Oil Sales
Scrap		Infrequent varied	Maintenance,	Sold to Scrap
Metals		amounts	Construction	Dealer (Recycled)

Monument – Buckeye Compressor Station
DATA SHEET

PART I
GENERAL INFORMATION

1. Name of facility: **Monument - Buckeye Compressor Station**

3. Location of facility: From Hobbs, NM take US 62 west to NM 529 (west). Turn right (north) at NM 238 approximately 5 miles to plant on left..

7. Potential Spills – Prediction & Control: **See Table 1.**

Discussion:
The map referred to in the Generic SPCC Plan is attached here as Figure 1.

8. Containment or diversionary structures or equipment to prevent oil from reaching navigable waters are practicable: **Yes, for tanks.**

PART II
DESIGN AND OPERATING INFORMATION

A. Facility Drainage

2. Drainage from undiked areas is controlled as follows (include description of ponds, lagoons, or catchment basins and methods of retaining and returning oil to facility):

Drainage from undiked areas generally flows to the southeast. Any oil released to this area will be absorbed with booms or other similar equipment.

B. Bulk Storage Tanks

2. Describe secondary containment design, construction materials, and volume:

All tanks within the plant are located inside concrete or earth secondary containment structures. Containment structures are generally designed to hold the capacity of the largest tank within the structure plus excess capacity for the 25-year, 24-hour rainfall event. Dimensions of all containment structures are listed in Table 1. Capacities of these structures are calculated in Table 2.

D. Facility Tank Car & Tank Truck Unloading Rack
Tank car and tank truck unloading occurs at the facility. **Yes**

1. Unloading procedures meet the minimum requirements and regulations of the Department of Transportation **Yes**

2. The unloading area has a quick drainage system. **N/A**

3. The containment system will hold the maximum capacity of any single compartment of a tank truck unloaded in the Facility: **N/A**

Describe containment system design, construction materials, and volume:

N/A

4. An interlocked warning light, a physical barrier system, or warning signs are provided in loading/unloading areas to prevent vehicular departure before disconnect of transfer lines.
Yes, signs are provided at each facility and contractors are required to follow the following procedure.

Describe methods, procedures, and/or equipment used to prevent premature vehicular departure:

- ☐ Contractors are responsible for wearing appropriate Personal Protective Equipment (PPE) required by facility (hard hat, safety glasses, fire retardant clothing). If driver is unfamiliar with the product being loaded, obtain a Material Safety Data Sheet (MSDS) from Dynegy.
- ☐ Truck driver to call local Dynegy personnel before beginning loading/unloading operation described below.
- ☐ Driver pulls truck to designated loading/unloading area with approval from local Dynegy personnel.
- ☐ With truck shut down, driver will attach ground cable and chock wheels.
- ☐ Driver will visually inspect hoses for cracks or defects. If no defects are noted, driver will attach hoses and assure that connections are secure.
- ☐ Record meter reading (where applicable) or gauge tank level prior to loading or unloading.
- ☐ Remove padlocks from valves where applicable.
- ☐ Open valves required to load or unload.
  After the tank is full (or empty) gauge the tank (or read the meter). Record the readings and reverse the procedure above.
- ☐ Driver to fill out appropriate DOT paperwork and provide receipt ticket/copy of paperwork to Dynegy.
- ☐ If a spill occurs during the loading/unloading operation, call the local Dynegy representative immediately at the emergency number shown on the facility sign.

5. Drains and outlets on tank trucks and tank cars are checked for leakage before unloading or departure. **Yes**

Attachments:
Site Plan – Figure 1
Table 1 – Potential Spills – Prediction and Control
Figures 2-4 (Tank photographs)
Applicability of the Substantial Harm Criteria
Table 2 - Dike Calculations.

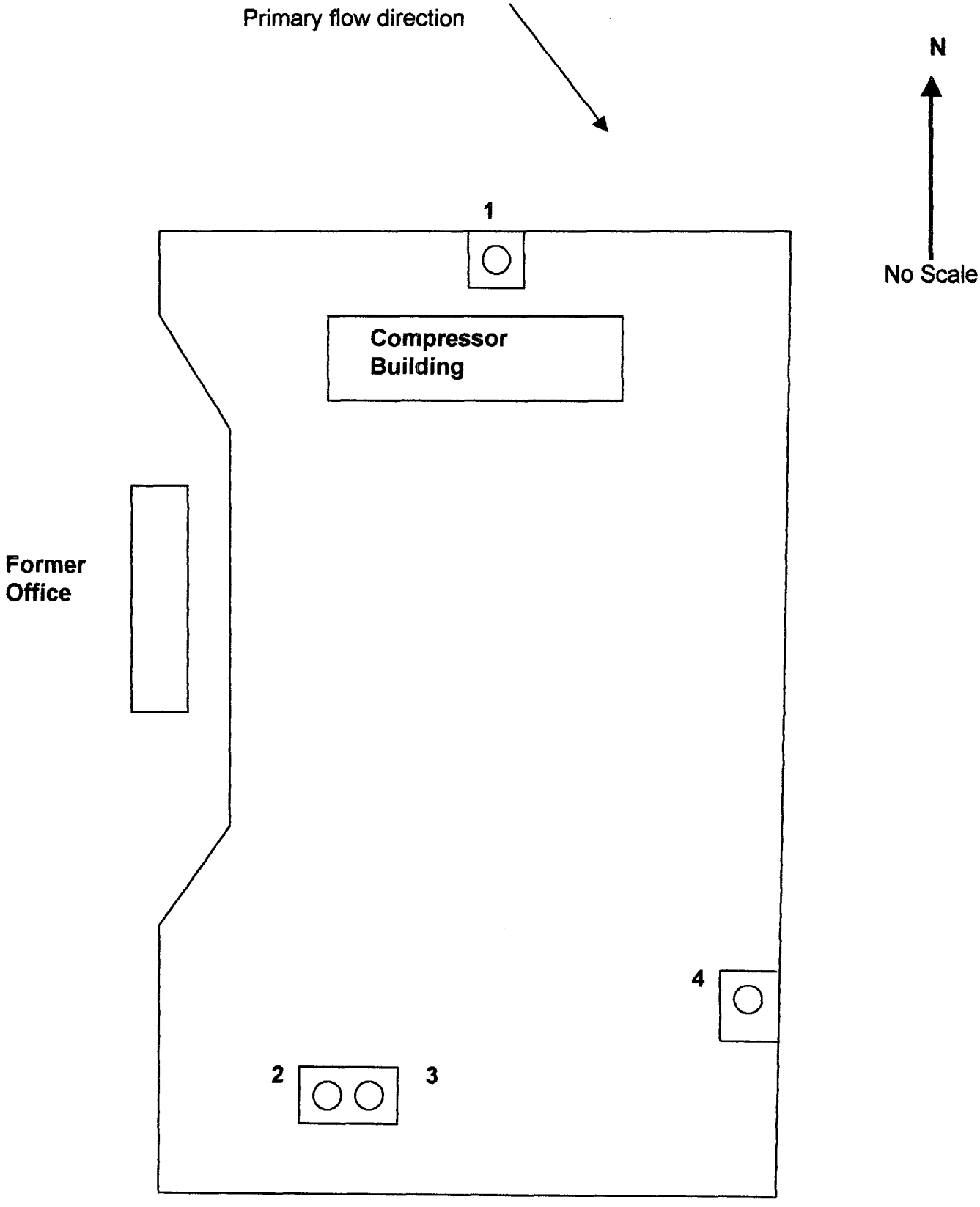

Figure 1
Monument – Buckeye Compressor Station
Site Plan

Table 1
Potential Spills – Prediction and Control

Vessel Number	Contents	Major Type of Failure	Total Quantity (gal)	Direction of Flow	Secondary Containment	Figure No.
1	Lube Oil	Overfill / rupture	21,000	SE	Concrete wall 24' x 29' x 2'7"	2
2	Slop Oil	Overfill / rupture	10,500	SE	Earth berm 60' x 36' x 1'6"	3
3	Slop Oil	Overfill / rupture	8,820	SE	Earth berm 60' x 36' x 1'6"	3
4	Condensate	Overfill / rupture	8,820	SE	Earth berm 52' x 30' x 1'6"	4

Figure 2 – Lube Oil Tank

Figure 3 – Slop oil Tanks

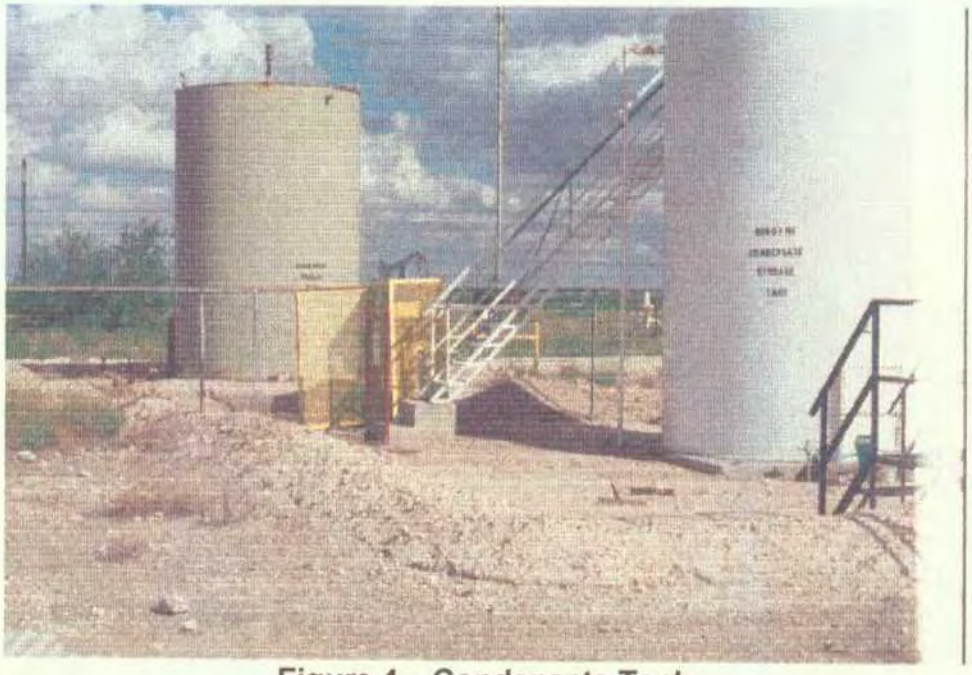

Figure 4 – Condensate Tank

Applicability of Substantial Harm Criteria

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons? **No**

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area? **No**

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula1) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? **No**

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake? **No**

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years? **No**

Dike Calculations
Monument – Buckeye Compressor Station

Tank / Dike Combination	Dike Full Storage Volume (see Table 1 for dimensions), gal.	Largest Tank capacity (gal)	Available Dike Full Precipitation Storage (in.)
1	13,449	21,000	NA
2,3	24,235	10,500	10.2
4	17,503	8,820	8.9

Price, Wayne

From: Price, Wayne
Sent: Monday, October 02, 2000 3:36 PM
To: 'cwwr@dynegy.com'
Subject: Discharge Plan Renewal Notice!

3106fnot.doc

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

Memorandum of Meeting or Conversation

Telephone ___X__
Personal _____
E-Mail __X____
Time: 3:30 pm
Date: October 2, 2000

Originating Party: **Wayne Price-OCD**

Other Parties: **Cal Wrangham-Dynegy**

Subject: **Discharge Plan Renewal Notice for the following Facilities:**

GW-029	**Buckeye Gas Plant**	**expires**	**1/16/2001 *****
GW-003	**Eunice South Plant**	**expires**	**3/16/2001**
GW-004	**Eunice North Plant**	**expires**	**3/16/2001**
GW-005	**EUNICE Middle Plant**	**expires**	**5/16/2001**

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

Discussion: Discussed WQCC 3106F and gave notice to submit Discharge Plan renewal application with $50.00 filing fee for the above listed facilities.

Conclusions or Agreements:
***** OCD will honor the WQCC 3106.F if plan and filing fee is submitted by October 15, 2000 for the GW-029 facility.**

Signed: Wayne Price

CC: OCD Hobbs Office

Roy W Hamilton
Manager
Gas Department
Denver Division

Texaco Exploration and
Production Inc

4601 DTC Blvd
Denver CO 80237

P O Box 46535
Denver CO 80201-6535

303 793 4880
FAX 303 793 4935
FAX 303 793 4612

June 30, 1998

Mr. Bill Olson
Hydrologist
Environmental Bureau
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Dear Mr. Olson,

On June 4, 1998, Mr. Robert Browning telephoned notice of possible groundwater impacts at Texaco Exploration & Production Inc.'s (TEPI) Buckeye Gas Plant. This was followed up on June 12, 1998 with written notification to the Oil Conservation Division's Hobbs office. Several lab samples of the water from the plant's water well showed levels of benzene in excess of the State standards. TEPI is now in the process of reviewing the data and investigating the source.

We understand there has been a history of problems with oil and gas produced water disposal wells in the vicinity of the Buckeye Gas Plant. The source of the benzene found in our fresh water well is not clear. There have been several investigations, data gathering and reports on this matter. We are currently in the process of obtaining this material for review. In addition, we are pursuing additional sampling that may "fingerprint" the source of the contamination in our water well. We will keep you posted on our progress and investigation plans. We should have this completed by September 1, 1998.

As you may be aware, TEPI and Dynegy (formerly NGC/Warren Corp.) are merging our respective gas processing assets in Lea County. We are forming a joint-venture company to be called Versado Gas Processors, L.L.C. The Buckeye Gas Plant will be part of this joint-venture. As part of our joint-venture agreement, Texaco will be responsible for most environmental issues resulting from Texaco operations prior to the formation of the joint-venture. This includes the Buckeye Gas Plant groundwater investigation. This joint-venture does not include the Texaco oil and gas producing operations based out of Hobbs, New Mexico.

We are currently in transition to the new company. Both Texaco and Dynegy key personnel are leaving to assume employment with Versado, others are retiring, and still others are transferring back to the parent companies. Over the next 60-90 days, we should have our final staff in place. Since Texaco Gas Plants Operating Unit will no longer have any offices in the Eunice-Hobbs areas, the Buckeye groundwater investigation as well as the ongoing Eunice North and South investigation and remediation work will be coordinated out of our Denver office.

Thank you for your consideration. If you have any questions or require any further information, please contact Mr. Robert W. Foote at 303-793-4959.

Sincerely,

Roy W. Hamilton
Gas Plant Operating Unit Manager

Cc: Wayne Price, OCD Hobbs District Office

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☑ Telephone ☐ Personal	Time 0820	Date 6/4/98

Originating Party	Other Parties
Bill Olson - Environmental Bureau	Robert Bovay - Texaco voice mail

Subject

Texaco - Bunkeye Gas Plant

Discussion

Left ~~phone~~ message that Texaco needs to file written report within 15 days
OCD will require investigation / remediation

Conclusions or Agreements

Distribution

file
Wayne Price - OCD Hobbs

Signed Bill Olson

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 0808	Date 6/4/98

Originating Party	Other Parties
Robert Browning - Texaco (915) 688-4804	Bill Olson - Environmental Bureau voice mail

Subject

Texaco - Buckeye Gas Plant Ground Water Notification

Discussion

Plant tested their water well
Contaminated with benzene = 0.23 ppm

Conclusions or Agreements

Distribution

File
Wayne Price - OCD Hobbs

Signed Bill Olson

cc: MARK ASHLEY

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time @ 10:20 AM	Date 8-26-96

Originating Party	Other Parties
WAYNE PRICE - NMOCD	TERRY FRAZIER - TEXACO

Subject VACUUM FIELD / BUCKEYE PLANT GW-029 (TEXACO)

Discussion BUCKEYE TEXACO PLANT HAS ELEVATED CHLORIDE LEVEL VS LAST REPORT (1994) VAC FIELD:

Conclusions or Agreements

TEXACO WILL INVESTIGATE

Distribution

Signed

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/28/96

or cash received on _____ in the amount of $ 1717.50

from Texaco E&P

for Buckeye G.P GW-029
(Facility Name) (OCD No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 3/25/96

Received in ASD by: Angela Herrera Date: 3-29-96

Filing Fee X New Facility ___ Renewal X

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

TEXACO

CHECK NUMBER No. [redacted]

TEXACO EXPLORATION AND PRODUCTION INC.
PRODUCING DEPARTMENT - UNITED STATES
DENVER, COLORADO

FORM PO-226 (11/94)
35-60
1130

2-28-96 19

PAY One thousand Seven Hundred Seventeen and 50/100----------$1,717,50

TO THE ORDER OF Oil Conservation Division, 2040 S. Pacheco, Santa Fe, NM 87505

Texaco Exploration and Production Inc.
DENVER DIV. HOBBS AREA
ACCOUNT NO. 00101821628
WORKING FUND ACCOUNT

TEXAS COMMERCE BANK, N.A.
P.O. BOX 2558
HOUSTON, TEXAS 77252

John Ayers

[redacted]

Texaco

OIL CONSERVATION DI
RECEIVED

'96 MAR 15 AM 8

Water Pollution Control Permits
Buckeye Gas Processing Plant

January 9, 1996

Mr. Mark Ashley
New Mexico Oil Conservation Division
PO Box 2088
Santa Fe, NM 87504-2088

Dear Mr. Ashley,

Enclosed is the required changes, Addendum #1 and Addendum #2, for Texaco Exploration and Production Inc.'s Buckeye Gas Processing Plant's Groundwater Discharge Plan.

I have enclosed the last four pages of the plan since the pagination changed with the addition of (See Addendum #1 & 2).

Please feel free to call me at (505)-397-0421 if you require additional information.

Sincerely,

Terry Frazier
Operating Unit Manager
Hobbs Operating Unit

cc: file
Plant

Texaco

OIL CONSERVATION DIVISI
RECEIVED

'96 MAR 15 AM 8 52

Water Pollution Control Permits
Buckeye Gas Processing Plant

January 9, 1996

Mr. Mark Ashley
New Mexico Oil Conservation Division
PO Box 2088
Santa Fe, NM 87504-2088

Dear Mr. Ashley,

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I have enclosed the last four pages of the plan since the pagination changed with the addition of (See Addendum #1 & 2).

Please feel free to call me at (505)-397-0421 if you require additional information.

Sincerely,

Terry Frazier
Operating Unit Manager
Hobbs Operating Unit

cc: file
Plant

Addendum #1

Waste Sludge, leaking lube oil from plunger pumps, and oil soaked soil is mixed with caliche to soak up the oil. The oily soil is then removed to the east side of the plant where it is **stored in a sealed container then removed to a permitted facility (NMOCD approved).**

Addendum #2

Additionally, the plant plans to leak test all buried wastewater lines within 1 year from this date. All pressurized lines will be hydrostatically tested at **3 psia above their operating pressure**. Open-end lines will be tested by pneumatic or other acceptable non-destructive testing techniques. Records of the leak testing will be maintained in the plant files.

Plant Manager Date 02-22-96

C. D. Tramell

C. D. Tramell

Operating Unit Manager Date 2-23-96

T. L. Frazier

a special waste container provided by Waste Management of Southeast New Mexico and removed for disposal at the City of Hobbs Landfill.

Waste Sludge, leaking lube oil from plunger pumps, and oil soaked soil is mixed with caliche to soak up the oil. The oily soil is then removed to the east side of the plant where it is landfarmed and remediated.
(See Addendum #1)

Should a spill or leak occur, any contaminated soil is removed and disposed of in accordance with applicable local, state, and federal regulations.

3. Leak Detection: The plant operators conduct hourly walk-through inspections of the entire facility. If a leak is discovered the plant operator will initiate corrective action. In the event of a serious or catastrophic leak the plant operator may initiate emergency procedures as outlined in Item II.D.1.

   Any problems encountered are noted in the operators log book.

   Additionally, the plant plans to leak test all buried wastewater lines within 1 year from this date. All pressurized lines will be hydrostatically tested at 1.5 times their operating pressure. Open-end lines will be tested by pneumatic or other acceptable non-destructive testing techniques. Records of the leak testing will be maintained in the plant files.
   (See Addendum #2)

4. Injection Wells: See Item III.A.2

III. Effluent Disposal

A. Existing Operations

1. On-site Facilities: Texaco's Buckeye Gas Processing Plant does not utilize on-site disposal facilities.

2. Off-Site Facilities

   a) Sludges and Solids-The plant disposes of sludges and solids on an as needed basis. When disposal is required, the transporter and disposal site utilized will meet all local, state, and federal requirements.

   b) Wastewater - All of the plant's wastewaters are disposed of in Texaco Exploration and Production Inc.'s (TEPI) Vacuum Glorietta

West Unit Waterflood System. The wastewater is pumped from the plant's slop oil pit through a 2" carbon steel line to a 3" polypipe line that is owned by TEPI. TEPI receives the wastewater into a 3-phase separator at Vacuum Glorietta West Unit Satellite #3. The wastewater is then injected into any of several Class II injection wells located in Sections 1, Township 18 South, Range 34 East and in Sections 35 and 36, Township 17 South, Range 34 East.

The injection wells and the waterflood project are operated by:

Texaco Exploration and Production, Inc.
West Star Route, Box 423
Lovington, NM 88260

B. Proposed Modifications: Not applicable.

IV. SITE CHARACTERISTICS

A. Hydrological Features

1. There are no known bodies of water, streams or other watercourses within one mile of the Buckeye Gas Processing Plant.

   There are ten know freshwater wells within a one mile radius of the plant:

   - Texaco Exploration and Production Inc. VGSA Unit D Well #3 Section 1, Township 18 South, Range 34 East.
   - Texaco Exploration and Production Inc. VGSA Unit Well #2 Section 2, Township 18 South, Range 34 East
   - Texaco Exploration and Production Inc. field office, Section 1, Township 18 South, Range 34 East
   - Texaco Exploration and Production Inc. CVU Extraction Well #1, Section 1, Township 18 South, Range 34 East
   - Texaco Exploration and Production Inc. CVU Extraction Well #2, Section 1, Township 18 South, Range 34 East
   - Texaco Exploration and Production Inc. CVU Well #3 Section 6, Township 18 South, Range 35 East

- Texaco Exploration and Production Inc. CVU WSW #2, Section 6, Township 18 South, Range 35 East

- Texaco Exploration and Production Inc. Buckeye Gas Processing Plant, Section 36, Township 17 South, Range 34 East
- New Mexico Potash Corporation Well #8, Section 31, Township 17 South, Range 34 East.

- New Mexico Potash Corporation, Section 31, Township 17 South, Range 34 East.

Two of the wells, Texaco Exploration and Production Inc.'s CVU Extraction Wells #1 and #2, are used for a groundwater remediation project. The Texaco Exploration and Production Inc. field office well is used for office water(toilets and sinks). All other wells are used for industrial purposes.

2. The depth to the first usable aquifer, the Ogallala aquifer, averages 115-120 feet. On December 12, 1995 the plant's water well was sampled for water quality analyses. The analyses are included in Appendix 2.

3. During a 1989/1990 groundwater contamination study, conducted by the New Mexico Oil Conservation Division and Texaco Exploration and Production Inc., the groundwater flow direction was determined to be from the northwest to the southeast. A groundwater flow contour drawing has been included as Appendix 5.

B. Geological Description of Discharge Site

A geological description of the discharge site can best be described by including an excerpt from:

Groundwater Contamination Study
Texaco CVU WSW #3
Vacuum Field, Buckeye
Lea County, New Mexico

by Eddie W. Seay
New Mexico Oil Conservation Division
Hobbs, New Mexico
1989-1990

Site Geology

Geographically, the site is situated near the western boundary of the southern extension of the High Plains in Southeastern New Mexico.

Topographically, the Southern High Plains, a plateau, rises approximately 100 to 300 feet above the surrounding region and slopes to the Southwest at 10 to 20n feet per mile.

The formation of interest in this area was the DacCum group, or "Redbed" and the Ogallala. The relatively impermeable shale faces of the upper portion of the Triassic Redbed represent the lower limit of the overlying Ogallala aquifer.

The Triassic Redbeds are composed of red to reddish brown mudstone with minor interbedded sandstone. This clay formation which underlies the fresh water aquifer is very irregular, varying in depth as much as fifty feet. Where the redbeds are exposed to the surface, it appears the changes and irregularities are due to stream erosion. these ridges and channels along with the southeastward dip of the redbed surface control the direction and movement of ground water in the lower portion of the "Ogallala" formation.

C. Flood Protection

After an exhaustive search of governmental agencies, specific flooding information could not be located. However, during the 30 year operating history of the plant there have been no known flooding events.

The annual rainfall totals from the nearest recording station in Lovington, New Mexico are:

Year	Rainfall in inches
1985	23.05
1986	16.45
1987	18.22
1988	17.80
1989	9.20
1990	11.55
1991	24.70
1992	19.95
1993	8.70
1994	8.95

ATTACHMENT TO THE DISCHARGE PLAN GW-029 APPROVAL
TEXACO BUCKEYE GAS PROCESSING PLANT
DISCHARGE PLAN REQUIREMENTS
(February 14, 1996)

1. Payment of Discharge Plan Fees: The $1,667.50 flat fee shall be submitted upon receipt of this approval. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

2. Texaco Commitments: Texaco will abide by all commitments submitted in the Renewal application letter dated January 9, 1996 from Texaco as well as the following OCD approvals; Discharge plan approval dated January 16,1986, discharge plan renewal dated April 24, 1991.

3. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad and curb type containment (i.e. concrete, asphalt, or other suitable containment). All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets should also be stored on an impermeable pad and curb type containment.

4. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device (i.e. drip pan) incorporated into the design.

5. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new facilities or modifications to existing facilities must place the tank on an impermeable type pad.

6. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

7. Tank Labeling: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks /or sumps.

9. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years there after. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD.

10. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject fluid other than sewage below the surface but into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All class V wells will be closed unless, it can be demonstrated that protectable groundwater will not be impacted in the reasonably foreseeable future. Class V wells must be closed through the Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health/environment, and groundwater as defined by the WQCC, and are cost effective.

11. Housekeeping: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

    Any contamianted soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

12. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Hobbs District Office.

13. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

14. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. Conditions accepted by: C. D. Lamell (Company Representative) 2-27-96 (Date)

Plant Superintendent (Title)

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR
TEXACO E & P, INC.
WEST STAR RT. BOX 425
LOVINGTON, NM 88260

Receiving Date: 02/22/96
Reporting Date: 02/26/96
Project Number: TEXACO E & P, INC.
Project Name: BUCKEYE PLANT
Project Location: BUCKEYE, NM

Sampling Date: 02/22/96
Sample Type: WATER
Sample Condition: INTACT
Sample Received By: MG
Analyzed By: MR

LAB NUMBER	SAMPLE ID	P-Alkalinity (mg/L)	T-Alkalinity (mg/L)	Hardness (mg/L)	Chloride (mg/L)	Sulfates (mg/L)	pH (s.u.)
ANALYSIS DATE		02/23/96	02/23/96	02/23/96	02/23/96	02/23/96	02/23/96
H2336-1	Cooling Tower	0	158	240	78	27	7.7
H2336-2	Water Well	0	440	11	50	25	8.5
H2336-3	Phase Separator	0	52	780	290	580	7.6
H2336-4	HP Separator	60	178	520	175	495	9.1
Quality Control		NR	NR	NR	60	10.705	7.00
True Value QC		NR	NR	NR	60	20.000	7.00
% Accuracy		NR	NR	NR	100	94.0	100
Relative Percent Difference		0	3.2	4	9	0.3	0
METHODS:	EPA 600/4-79-020,	-	-	130.2	325.3	375.4	150.1
	Standard Method	2320 B	2320 B	-	-	-	-

LAB NUMBER	SAMPLE ID	Hydroxides (mg/L)	Carbonates (mg/L)	Bicarbonate (mg/L)	Conductivity (umhos/cm)	Nitrates (mg/L)	TDS (mg/L)
ANALYSIS DATE		02/23/96	02/23/96	02/23/96	02/23/96	02/23/96	02/23/96
H2336-1	Cooling Tower	0	0	158	465	2.71	584
H2336-2	Water Well	0	0	440	620	0.55	440
H2336-3	Phase Separator	0	0	52	1510	6.55	1727
H2336-4	HP Separator	0	120	58	1450	1.04	1355
Quality Control		NR	NR	NR	1160	0.4864	NR
True Value QC		NR	NR	NR	1160	0.5000	NR
% Accuracy		NR	NR	NR	100	97	NR
Relative Percent Difference		0	0	3.2	0	1.8	1.6
METHODS:	EPA 600/4-79-020,	-	-	-	120.1	352.1	160.1
	Standard Method	2320 B	2320 B	2320 B	-	-	-

Mario Rodriguez

Mario Rodriguez, Chemist

02/27/96
Date

ARDINAL LABORATORIES

118 S. Commercial Ave.
Farmington, NM 87401
505-326-4669
FAX 505-326-4535

101 E. Marland
Hobbs, NM 88240
505-393-2326
FAX 505-393-2476

Chain of Custody Record

Project I.D. Texaco E&P Inc.
Project Location Buckeye Plant
Sampled By Mitch Ivi / Manny Sanabria
Client Name C. D. Tramell
Address West Star Rt. Box 425
Lovington N.M. 88260
Telephone Fax 396-6419 396-4916

Sample Number	Date	Time	Composite	Grab	Sample Location	Number of Containers	Analysis Required: PAH	601	602	Gen Chemistry				Remarks (Type sample, preservation, etc.)
1	12/12			X	Cooling tower	2	X	X	X	X				H2336-1
2	12/12			X	WATER WELL	2	X	X	X	X				2336-2
3	12/12			X	OIL / WATER SEPERATOR	2	X	X	X	X				2336-3
4	12/12			X	HIGH PRESSURE SEPERATOR	2	X	X	X	X				2336-4
														Report + Bill to above address

Released by: (Signature)	Date	Time	Received by: (Signature)
Released by: (Signature) C D. Tramell	Date 12/12/95	Time	Received by: (Signature) Mitch Ivi

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such

ARDINAL LABORATORIES
PHONE: (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

Chain of Custody Record

Project I.D. _____
Project Location Buckeye Plant
Sampled By C. Dave Tramell
Client Name Texaco
Address West Star Rt Box 425
Telephone 397-7269 Fax: 396-6419

Sample Number	Date	Time	Composite	Grab	Sample Location	Number of Containers	Analysis Required	Remarks (Type sample, preservation, etc.)
					Water Well #2336-2	2		H2336-1
					Condensate 3-Phase Separator-3	2		-2
					Cooling Tower #2336-1	2		-3
					HP Separator - 4	2		-4

Released by: (Signature)	Date	Time	Received by: (Signature)	Remarks:	Shipped/Delivered
C. Dave Tramell					
Released by: (Signature)	Date 2/22/94	Time 1:30	Received by: (Signature)		

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

CHEMICAL ANALYSIS OF WATER

Company: Texaco Exploration & Production
Address: West Star Route Box 425
City/State: Lovington NM 88260
Proj.Name: Texaco E & P
Location : Buckeye New Mexico

Date: 02/26/96
Lab #: H2336-1-4

Sample 1 : Cooling Tower water
Sample 2 : Water well
Sample 3 : Oil/Water Separator
Sample 4 : High Pressure Separator

PARAMETER	RESULT 1	RESULT 2	RESULT 3	RESULT 4
pH	7.7	8.5	7.6	9.1
Alkalinity	158	440	52	178
Carbonate	-0-	-0-	-0-	-0-
Bicarbonate (HCO_3)	158	440	52	58
Total Hardness	240	11	780	520
Chloride (Cl)	78	50	290	175
Sulfate (SO_4)	27	25	580	495
TDS	584	440	1727	1355
Conductivity (umhos/cm)	456	620	1520	1450
Nitrates	2.71	0.55	6.55	1.04

Samples (1-4)	Quality Control	True Value QC	% Accuracy
Chlorides	60	60	100
Sulfates	18.705	20.000	94
pH	7.0	7.0	100
Conductivity	1160	1160	100
Nitrates	0.4864	0.5000	97
TDS	n/r	n/r	n/r

Methods: EPA 600/4-79-020

ARDINAL LABORATORIES

Chain of Custody Recoru

18 S. Commercial Ave.
armington, NM 87401
5-326-4669
X 505-326-4535

101 E. Marland
Hobbs, NM 88240
505-393-2326
FAX 505-393-2476

Project I.D. Texaco E&P Inc.
Project Location Buckeye Plant
Sampled By Mitch Ivi / Manny Gambalena
Client Name C. O. Tramell
Address West Star Rt. Box 425 Lovington N.M. 88260
Telephone Fax 396-6419 396-4916

Date	Time	Composite	Grab	Sample Location	Number of Containers	PAH	601	602	Gen Chemistry			Remarks (Type sample, preservation, etc.)
12			X	Cooling tower	2	X	X	X	X			H2336-1
12			X	WATER WELL	2	X	X	X	X			2336-2
			X	OIL / WATER SEPERATOR	2	X	X	X	X			2336-3
			X	HIGH PRESSURE SEPERATOR	2	X	X	X	X			2336-4
												report + Bill to above address

...ature)	Date	Time	Received by: (Signature)
...ure)	Date	Time	Received by: (Signature)
[signature]	12/12/95		Mitch Ivi

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such

The Santa Fe New Mexican
Since 1849. We Read You.

96 FE 1 PM 8 52

NEW MEXICO OIL CONSERVATION DIVISION
ATTN: SALLY MARTINEZ
P.O. BOX 6429
SANTA FE, N.M. 87505-6429

AD NUMBER: 463706
LEGAL NO: 58948

ACCOUNT: 56689
P.O. #: 96199002997

171 LINES once at $

Affidavits:

Tax:

Total: $ no charge

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

Energy, Minerals and Natural Resources Department
Oil Conservation Division

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico, 87505, Telephone (505) 827-7131:

(GW-029) - Texaco Exploration and Production, Inc., Ron Humphrey, West Star Route, Box 423, Lovington, New Mexico, 88260 has submitted an application for renewal of its previously approved discharge plan for its Buckeye Gas Processing Plant located in the NE/4 SE/4 and SW/4 SW/4 of Section 36, Township 17 South, Range 34 East and the NE/4 NE/4 and SW/4 NE/4 of Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of 1,300 mg/l is disposed of at OCD permitted offsite Class II Injection wells. Ground water most likely to be affected by any accidental discharge is at a depth of approximately 120 feet and has a total dissolved solids contect of approximately 360 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th of January, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director

Legal #58948
Pub. February 1, 1996.

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 58948 a copy of which is hereto attached was published in said newspaper once each week for one consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 1st day of FEBRUARY 1996 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 1st day of FEBRUARY A.D., 1996

OFFICIAL SEAL
Candace C. Ruiz
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: 9/29/99

OK MA 2-6-96

The Santa Fe New Mexican

Since 1849. We Read You.

NEW MEXICO OIL CONSERVATION DIVISION

AD NUMBER: 460839

ACCOUNT: 56689

LEGAL NO: 58948

P.O. #: 96199002997

168 LINES once at $ 67.20

Affidavits: 5.25

Tax: 4.53

Total: $ 76.98

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

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/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 24th day of JANUARY A.D., 1996

OFFICIAL SEAL
Candace C. Ruiz
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: 9/21/99

Candace C. Ruiz

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

Energy, Minerals and Natural Resources Department Oil Conservation Division

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th of January, 1996.
STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director
Legal #58948
Pub. January 24, 1996

120
R CALLED BETSY on 1-26-96 FOR CORRECTION, WILL REPUBLISH on 2-1-96

202 East Marcy Street • P.O. Box 2048 • Santa Fe, New Mexico 87501
505-983-3303 • (FAX) 505-984-1785

Affidavit of Publicati

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice Of Publication

and was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of January 24, 19 96 and ending with the issue of January 24, 19 96

And that the cost of publishing said notice is the sum of $ 45.60 which sum has been (Paid) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 24th day of January, 19 96

Jean Heuer
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 19 98

LEGAL NOTICE
NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director

SEAL
Published in the Lovington Daily Leader January 24, 1996.

OK WJL 1-26-96

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January 1996.

NO EFFECT FINDING

The described action will have no effect on listed species, wetlands, or other important wildlife resources.

Date January 24, 1996

Consultation # GW960CD-1

SEAL

Approved by [signature]

U.S. FISH and WILDLIFE SERVICE
NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE
ALBUQUERQUE, NEW MEXICO

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

[signature]

WILLIAM J. LEMAY, Director

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

New Mexico DRUG FREE It's a State of Mind!

January 19, 1996

LOVINGTON DAILY LEADER
P. O. Box 1717
Lovington, New Mexico 88260

ATTN: ADVERTISING MANAGER

RE: NOTICE OF PUBLICATION

_____
_____
_____
_____

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. ***Publisher's affidavit in duplicate.***
2. ***Statement of cost (also in duplicate.)***
3. ***CERTIFIED invoices for prompt payment.***

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than January 26, 1996.

Sincerely,

Sally Martinez

Sally E. Martinez
Administrative Secretary

Attachment

Z 765 963 227

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Street and No. Lovington Daily Leader	
P.O. Box 1717	
Lovington, NM 88260	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

Form 3800, March 1993

VILLAGRA BUILDING - 408 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-7131

January 19, 1996

NEW MEXICAN
202 E. Marcy
Santa Fe, New Mexico 87501

RE: NOTICE OF PUBLICATION

PO #96-199-002997

ATTN: BETSY PERNER

Dear Sir/Madam:

Please publish the attached notice one time. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit.
2. Invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice on Wednesday, January 24, 1996

Sincerely,

Sally Martinez

Sally E. Martinez
Administrative Secretary

Attachment

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

cc: BILL OLSON
MARK ASHLEY
ROGER ANDRAS
JERRY SEXTON

OIL CONSERVATION DIVISION RECEIVED
'95 NOV 30 AM 8 52

NEW MEXICO OIL CONSERVATION COMMISSION FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER HOURS

Name WAYNE PRICE Date 11-14-95 Miles _____ District I

Time of Departure 7 AM Time of Return 4 PM Car No. G 0472

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature Wayne Price

TEXACO BUCKEYE GAS PLANT GW-029

DISCHARGE PLAN INSPECTION WITH MARK ASHLEY ROY HUMPHREY & DAVID TRAMELL - TEXACO

NOTES:

ON SITE FRESH WATER WELL IS CONTAMINATED & IS CONSIDERED NON POTABLE!

TOURED FACILITY; MAIN WASTE WATER SUMP DOES NOT HAVE SECONDARY CONTAINMENT OR LEAK DETECTION; COOLING TOWER AREA HAS POSSIBLE CHROMATE CONTAMINATION; ALL PLANT WASTE WATERS (EXEMPT & NON-EXEMPT) WASTE WATERS ARE CO-MINGLED. WASTE WATER IS USED FOR WATER FLOODING!

Mileage		Per Diem		Hours	
UIC		UIC		UIC	
RFA		RFA		RFA	
Other		Other		Other	

TYPE INSPECTION PERFORMED

H = Housekeeping
P = Plugging
C = Plugging Cleanup
T = Well Test
R = Repair/Workover
F = Waterflow
M = Mishap or Spill
W = Water Contamination
O = Other

INSPECTION CLASSIFICATION

U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, Indry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)
R = Inspections relating to Reclamation Fund Activity
O = Other - Inspections not related to injection or The Reclamation Fund
E = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

NATURE OF SPECIFIC WELL OR FACILITY INSPECTED

D = Drilling
P = Production
I = Injection
C = Combined prod. inj. operations
S = SWD
U = Underground Storage
G = General Operation
F = Facility or location
M = Meeting
O = Other

FROM: Wayne Price

OIL CONSERVATION DIVISION
RECEIVED
'95 DEC 4 AM 8 52

TO: Mark Ashley

DATE: 11-29-95
TIME: 14:34

CC: Jerry Sexton
Wayne Price
Roger Anderson

SUBJECT: Texaco-Buckeye Plant GW-029
PRIORITY: 4
ATTACHMENTS:

Dear Mark,

Ron Humphrey with Texaco came by the office today to see if I had the list of the EPA 600 series analytical requirements you mentioned during our site inspection.

I gave Ron a copy of the WQCC list of contaminants for NM ground water standards. I told him your department will notify him of the analysis that will be recommended for him to run. We both assumed this is for the water well on site since it is not potable any more.

I also gave him a copy of the standard RCRA TCLP requirements we require for non-exempt waste streams.

Ron indicated he has only till Jan. 16, 1995 and wanted to make sure he met the deadline.

Would you mind giving him a call.

Thanks!

1991

TEST FOR CONSTITUENTS
PRESENT IN GW.

393-4031

369-5532

CALLED ON 12-5-95 & LEFT
A MESSAGE FOR REQUIRED
TESTS.

MA

OIL CONSERVATION DIVISION

December 6, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-901

Mr. Ron Humphery
Texaco E & P
Star Route, Box 423
Lovington, New Mexico 88260

Re: Texaco Buckeye #2 Gas Processing Plant
Discharge Plan GW-029 Inspection Report

Dear Mr. Humphrey:

The New Mexico Oil Conservation Division (OCD) would like to thank you for your cooperation during the November 11, 1995 inspections of the Texaco Buckeye gas processing plant. Comments from the inspection conducted are as follows:

1. Drum Storage: All drums that contain materials other than fresh water must be stored on an impermeable pad with curbing. All Empty drums should be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets should also be stored on an impermeable pad with curbing.

   The drums located on the northern boundary of the facility do not appear to meet these criteria.

2. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water or alcohol must be bermed to contain a volume of one-third more than the total volume of the largest or all interconnected tanks. All new facilities or modifications to existing facilities must have the tanks placed on an impermeable pad so that leaks can be identified.

   The condensate tank does not appear to meet these criteria.

3. Above Ground Saddle Tanks: Above ground saddle tanks must have pad and curb type of containment below them unless they contain alcohol or fluids which are gases at normal atmospheric pressure and temperature. No berms are required for saddle tanks.

4. Tank Labeling: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

   There is one unidentifed drum located on the northern boundary of the facility that does not appear to meet these criteria.

5. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing and visual inspection of cleaned out tanks /or sumps.

   Please submit a method and time schedule to the OCD for integrity testing.

6. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter. Companies may propose various methods for testing such as pressure testing or other means acceptable to the OCD.

   Please submit a method and time schedule to the OCD for integrity testing.

7. Solid Wastes: Please provide to the OCD the storage, handling, and final disposition of all solid wastes stored within the facility (ie. used mole sieve, contaminated caliche).

8. Housekeeping: All systems designed for spill collection/prevention should be inspected frequently to ensure proper operation and to prevent overtopping or system failure.

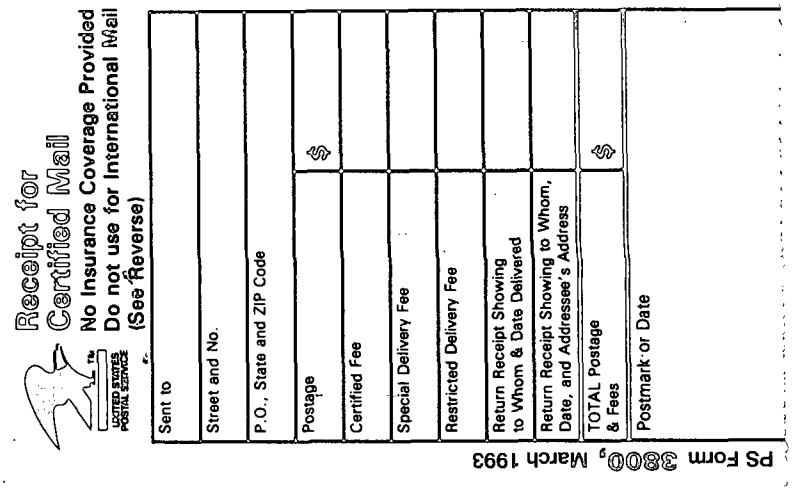
9. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the appropriate OCD District Office.

Please address the above areas of concern by January 1, 1996.

Once again, on behalf of the OCD, I would like to thank you for your time during our recent visit to your plant. If you have any questions, please call me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist
xc: OCD Hobbs Office



OIL CONSERVATION DIVISION

October 19, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-779

Environmental Coordinator
Texaco USA
P.O. Box 1650
Tulsa, Oklahoma 74102

RE: Discharge Plan GW-029 Renewal
Buckeye #2 Gas Processing Plant
Lea County, New Mexico

Dear Sir:

On January 16, 1986, the groundwater discharge plan, GW-029, for the Buckeye Gas Processing Plant located in the NE/4 NE/4, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). The plan was subsequently renewed on April 24, 1991. This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on January 16, 1996.

On March 21, 1995, and again on August 23, 1995 you were notified of the upcoming expiration. If the discharge plan renewal is not received and approved by the OCD by January 16, 1996, your facility will be required to cease operations until the OCD receives and approves the discharge plan renewal.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Hobbs District Office. Note that the completed and signed application form must be submitted with your discharge plan renewal request.

The discharge plan renewal application for the Buckeye Gas Processing Plant is subject to the WQCC Regulations 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat fee of $1667.50 for gas processing plants.

The (50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

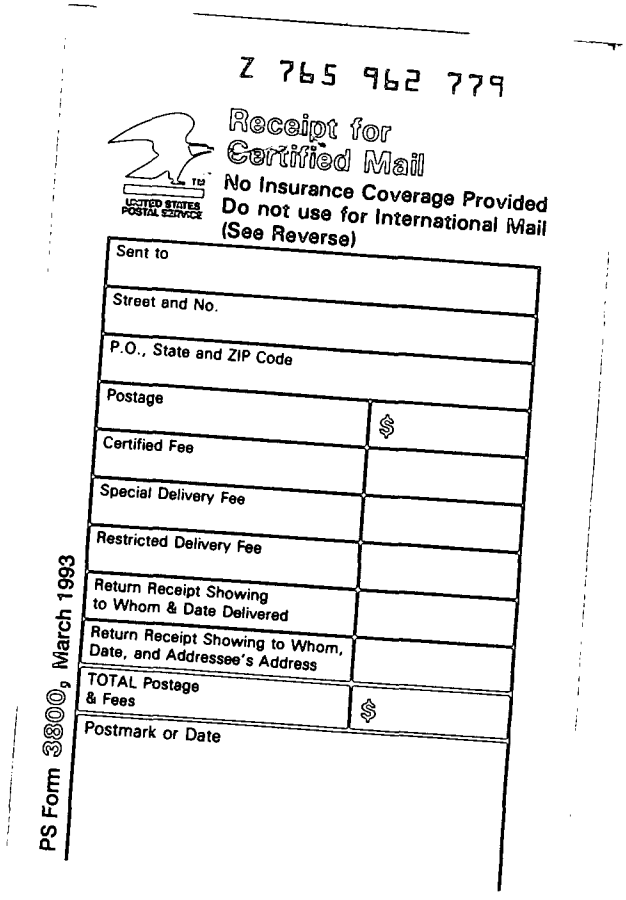
Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you no longer have any actual or potential discharges a discharge plan is not needed, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Hobbs Office



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PS Form 3800, March 1993

NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

August 23, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-759

Environmental Coordinator
Texaco USA
P.O. Box 1650
Tulsa, Oklahoma 74102

RE: Discharge Plan GW-029 Renewal
Buckeye #2 Gas Processing Plant
Lea County, New Mexico

Dear Sir:

On January 16, 1986, the groundwater discharge plan, GW-029, for the Buckeye Gas Processing Plant located in the NE/4 NE/4, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). The plan was subsequently renewed on April 24, 1991. This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on January 16, 1996.

On March 21, 1995 you were notified of the upcoming expiration. In order to continue operations at the facility, the discharge plan must be renewed prior to expiration.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Hobbs District Office. Note that the completed and signed application form must be submitted

with your discharge plan renewal request.

The discharge plan renewal application for the Buckeye Gas Processing Plant is subject to the WQCC Regulations 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat fee of $1667.50 for gas processing plants.

The (50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you no longer have any actual or potential discharges a discharge plan is not needed, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: Jerry Sexton, OCD Hobbs Office
Wayne Price, OCD Hobbs Office

Z 765 962 759

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PS Form 3800, March 1993

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

March 21, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-803

Environmental Coordinator
Texaco USA
P.O. Box 1650
Tulsa, Oklahoma 74102

RE: Discharge Plan GW-04 Renewal
Buckeye #2 Gas Processing Plant
Lea, New Mexico

Dear Sir:

On January 16, 1986, the groundwater discharge plan, GW-029, for the Buckeye Gas Processing Plant located in the NE/4 NE/4, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). The plan was subsequently renewed on April 24, 1991. This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on January 16, 1996.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

To assist you in preparation of your application, I have enclosed an application form and a copy of the OCD's Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Plants and a copy of the WQCC regulations. Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Hobbs District Office. Note that the completed and signed application form must be submitted with your discharge plan renewal request.

The discharge plan renewal application for the Buckeye Gas Processing Plant is subject to the WQCC Regulations 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat fee of $1667.50 for gas processing plants.

The (50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you no longer have any actual or potential discharges a discharge plan is not needed, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Hobbs Office

Z 765 962 803

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PS Form 3800, March 1993

Texaco USA
PO Box 1650
Tulsa OK 74102

ENV - POLLUTION CONTROL
Water Pollution Control Permits
Buckeye Gas Processing Plant

January 15, 1991

Mr. David G. Boyer
Environmental Bureau Chief
New Mexico Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Dear Mr. Boyer:

Enclosed is Texaco Exploration and Production Inc.'s Buckeye Gas Processing Plant's Groundwater Discharge Plan.

The only significant change at the plant since submission of the last plan has been the elimination of the flare burn pit. Originally the water from the flare knockout drum was discharged to the burn pit. It is now discharged to the oil/water separator discharge line for use as waterflood makeup water.

Additionally, our program for berming, curbing and paving of process areas has been included in the plan.

Please feel free to call me at (918) 560-7055 if you require additional information.

Sincerely,

Ray Russell

C. Ray Russell
Environmental Coordinator
NATURAL GAS PLANTS AND LIQUIDS DIVISION

CRR:lam
01/15.1

Attachment

GROUNDWATER DISCHARGE PLAN

TEXACO'S NATURAL GAS PLANTS & LIQUIDS DIVISION

BUCKEYE GAS PROCESSING PLANT

LEA COUNTY, NEW MEXICO

January 16, 1991

I. GENERAL INFORMATION

A. Name of Discharger or Legally Responsible Party

Texaco Exploration and Production Inc.'s Buckeye Gas Processing Plant
West Star Route, Box 425
Lovington, NM 88260
phone: (505) 396-4916

B. Name of Local Representative or Contact Person

Plant Superintendent: C. D. Trammell
(Same as Above)

Environmental Coordinator: C. R. Russell
Texaco Exploration and Production Inc.
P. O. Box 1650
Tulsa, OK 74102
(918) 560-7055

C. Location of Discharge

SE/4, SE/4 and SW/4, SE/4 Section 36, Township 17 South, Range 34 East and NE/4, NE/4 and SW/4, NE/4, Section 1, Township 18 South, Range 34 East, Lea County, NM.

A topographic map and a facility plot plan are included in Appendix 4.

D. Type of Natural Gas Operation

The plant is a cryogenic natural gas processing plant designed to process 22.5 million cubic feet per day. At present the plant is processing approximately 5-6 million cubic feet per day and producing about 1300 barrels of demethanized product (ethane, propane, butanes, pentanes and heavier).

E. Affirmation

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief."

Signature: Ray Russell Date: 11/15/90

Printed Name: RAY Russell Title: Environmental Coordinator

II. PLANT PROCESSES

A. Sources and Quantities of Effluent and Process Fluids

1. Scrubbers and Separators: The plant utilizes inlet and discharge scrubbers on each compressor and one high pressure separator between compression and cryogenic processing. The scrubber water may typically be high in Total Dissolved Solids (TDS) and may contain dissolved hydrocarbons. (The laboratory analysis for the high pressure separator water is included in the attached Appendix 2.)

   The combined flow from the inlet scrubbers, discharge scrubbers and the high pressure separator is approximately 633 gallons per day.

   There are no known additives in the scrubber water or the high pressure separation water.

2. Boilers: The Buckeye Gas Processing Plant does not utilize boilers in its operations.

3. Engine Cooling Water: Each engine has its own closed cooling water system. The water contains an ethylene glycol based antifreeze and Calgon LCS-20 corrosion inhibitor. The Material Safety Data Sheet (MSDS) for LCS-20 is enclosed as part of Appendix 1. The engine coolant is not routinely discharged but should a mechanical failure such as a cracked engine head or ruptured hose occur, the coolant would be discharged to the oil/water separator.

4. Cooling Tower: The cooling tower water is continuously discharged to the oil/water separator discharge line through a 1" buried line. The discharge rate range will vary from 10,000 gallons per day to 16,500 gallons per day. The discharge water can be expected to contain high TDS. The water may contain any of the following additives:

   Calgon pHree Guard 2205 corrosion inhibitor
   Calgon CL-361 deposit control
   Calgon H-510 biocide
   Calgon H-450 biocide
   Calcium Hypochlorite for algae control
   Sulfuric acid for pH control

   The MSDS's are enclosed as part of Appendix 1.

5. Sewage: The sewage system at the Buckeye Gas Processing Plant consists of a septic tank and lateral lines. This system is completely separate from and independent of all other plant waste systems.

6. Others:

   a. Used engine oil: Used engine oil is drained to a sump and then through the process sewer lines to the oil/water separator where it is reclaimed, along with other slop oils, and pumped to storage. The oil is then sold to Texaco Trading and Transportation Inc. for reintroduction into crude oil supply. The only engine oil additive used by the plant is Champion Products, Inc.'s Qx with Moly. The MSDS is enclosed as a part of Appendix 1.

   b. Equipment Cleaning Solution: The plant uses a mixture of water and Crain Chemical Company's RL-1260 Industrial Cleaner for engine and equipment cleaning. The MSDS is enclosed as a part of Attachment 1. The combined used engine oil and equipment cleaning solution discharged is approximately 20 gallons per day.

   c. Water Softener Wastewater: The water softener wastewater can be expected to be high in TDS and sodium chloride as a result of the regeneration process. The average discharge to the oil/water separator is 167 gallons per day.

B. Quality Characteristics

All plant wastewaters, except cooling tower blowdown, high pressure scrubber water and a small amount (5 gal/day) of water from the flare knockout drum, are commingled at the oil/water separator. (See the Wastewater Block Flow Diagram included in Appendix 3.) All wastewater transfer, storage and collection units are constructed of either reinforced concrete or steel piping therefore minimizing any risk of ground water contamination. (See Item #II-C for additional details.)

Because of the low risk of groundwater contamination we have elected to treat all sources discharged into the oil/water separator as a commingled source.

In addition to the oil/water separator; the high pressure separator, the cooling tower blowdown and the plants fresh water well were sampled for analyses.

1. TDS, pH, Cations/Anions: See the laboratory analyses included in Appendix 2.

2. Benzene, Ethylbenzene, Toluene, Meta-Ortho-Para Xylenes: See the laboratory analyses included in Appendix 2.

3. WQCC Section 3-103 Parameters: See the laboratory analyses included in Appendix 2.

4. WQCC 1-101.uu: Since this facility does not manufacture chemical compounds (including herbicides, pesticides and chlorinated hydrocarbons) we would expect to find only those hydrocarbon compounds that are naturally occurring such as benzene, toluene and xylene. Benzene, toluene and xylene which have been quantified under item #2, above.

5. Sampling Locations, Methods and Procedures: The sampling locations include the following:

   Freshwater well - ¼" valve at the wellhead.

   High pressure separator - ¼" valve on the water discharge line.

   Cooling tower - ¼" valve on the circulation pump.

   Oil/water separator - 1" valve on the pump discharge line.

   All samples were unfiltered grab samples that were preserved and analyzed in accordance with EPA SW 846 and/or Standard Methods for the Examination of Water and Wastewater (17^{th} edition). The samples were then transported, on ice, to Southwestern Laboratories, Inc. in Midland, Texas for analyses.

6. Variability in Flow Rates and Concentration: During normal operations we anticipate no significant fluctuations in flow rate or concentration in the plant effluents. However, if there is a mechanical malfunction at off-site gas gathering locations there is a possibility of increased volumes of produced water and oil flowing to the plant. We would not anticipate an increase in concentration.

C. Transfer and Storage of Process Fluids and Effluents

1. Water and Wastewater Flow Schematics: See Wastewater Block Flow Diagram in Appendix 3.

2&3. Description of Equipment Associated with Wastewater Production and Handling

a. Inlet Scrubber #1 - The inlet scrubber is a pressurized vessel which discharges automatically into the drain system. The dump line is connected to the drain lines with a solid connection. The dump line is constructed of 2" schedule 80 carbon steel pipe (.218 wall thickness) and goes into a 4" schedule 40 carbon steel drain pipe (.237 wall thickness). The drain lines and a portion of these dump lines are buried. The fluids drain into the oil/water separation pit which will be discussed later. All drain lines are 25 years old.

b. Inlet Scrubber #2 - The inlet scrubber is a pressurized vessel which discharges automatically into the slop oil tanks. The discharge line is constructed of schedule 80 carbon steel pipe and has a solid connection to a 4" schedule 40 carbon steel pipe which is connected to the slop oil tank. The vessel also has an emergency discharge line which is constructed of 2" schedule 80 carbon steel pipe which is reduced to a 1" carbon steel line. This line is normally closed and is opened only in an emergency.

c. Dehydration Beds Horizontal Scrubber - The horizontal scrubber on the dehydration beds is a pressurized vessel which discharges condensed water through a 1" carbon steel line to a vessel known as the Flash Tank. All except 7' of line is buried.

d. 1st Stage Discharge Scrubber on #6 Engine - The discharge scrubber is a vessel which separates gas and liquid by gravity. It is a pressurized vessel which discharges liquid to the flash tank through a 1" carbon steel line. All but 4' of this line is buried.

e. Slop Oil Tanks - The slop oil tanks are standard welded tanks with side thickness of 3/16" and bottom thickness of ¼". The east tank has a capacity of 250 barrels and is 15' tall. The west tank has a capacity of 250 barrels and is 8' tall. The east tank receives fluid from the flash tank, the #2 inlet scrubber, the oil/water separation pit, and, at times, the #1 inlet scrubber. The water and oil are further separated and the water is drained back to the oil/water separation pit through a 2" schedule 80 carbon steel pipe which eventually is connected to the 4" drain line. The oil is pumped to the west tank which holds only sellable oil. The water which may collect in the west tank is drained back to the oil/water separator via the same drain line as the east tank.

f. Glycol Reconcentrator - The water from the glycol reconcentrator is condensed steam. The water drains by gravity into a small holding pot which is connected to the 4" drain system by a 1" carbon steel line. This is not a pressurized vessel and the drain line is buried.

g. Water Softener Wash Water - The discharge from the water softener regeneration cycle is piped into a floor drain which is inside the softener building. The piping consist of 1" schedule 40 PVC. The piping from the floor drain then attaches to the 4" drain system with a solid connection.

h. 1st Stage Discharge Scrubbers From Other Compressor Engines - All compressor engines, with the exception of #6, have a scrubber on the 1st discharge. These scrubbers separate gas from liquid by means of gravity. The vessels are all pressurized and are discharged automatically. They all discharge into 1" carbon steel lines which are then connected to the 4" drain system. These lines are buried with the exception of about 2' on each engine.

i. 1st Stage Discharge Filter - The filter is a pressurized vessel which automatically discharges liquid to the drain via a 1" carbon steel line. The line is attached to the 4" drain system by means of a solid connection. The 1" line is buried with the exception of approximately 8'.

j. 2nd Stage Suction Scrubbers - The 2nd stage scrubbers are pressurized vessels which discharge liquid automatically. They separate liquid and gas by means of gravity. The scrubbers are connected by a 1" carbon steel line and dump into the drain system via an above ground open drain. All of these lines are buried except approximately 7' on each engine and 1' where the line feeds into the open drain. The open drain is approximately 8" above ground level.

k. 2nd Stage Discharge Scrubber - The 2nd stage discharge scrubber is a pressurized vessel which discharges liquid automatically into the 4" drain system. The discharge line is constructed of 1" carbon steel pipe with all but approximately 5' buried. The attachment of the 1" line to the 4" line is solid.

l. Engine Room Sump - The sump in the engine room is constructed of reinforced concrete and is an integral part of the concrete slab. Any oil and water which drains off the engines and compressors collects in this sump. The drains are connected with 4" schedule 40 carbon steel pipe. This 4"

drain then connects with the 4" drain system. The connection is solid. All water and soap used for cleaning purposes also drains into these sumps.

m. Engine Blowdown Scrubber - The engine blowdown scrubber is a vessel which drains liquid from the engine blowdown line to the oil/water separation pit. The liquid is carried in a 2" schedule 80 carbon steel pipe all of which is buried with the exception of 6".

n. 500 Bbl Emergency Waste Water Storage Tank - There is a 4" schedule 40 carbon steel pipe used to pump water from the oil/water separation pit to the 500 bbl tank located just east of the plant fence. This line is buried except 2'. There is approximately 10' of 2" schedule 80 carbon steel pipe used to connect the tank to the 4" line. The tank is a standard 500 bbl bolted tank. The thickness of the walls and bottom are unknown.

o. Oil/Water Separator - The oil/water separator basin is constructed of reinforced concrete which has overall dimensions of 10' x 6' x 5.5'. Any produced water which comes into the plant is routed to the separator for separation. All liquids from the above sources gravitate to the basin through the drain system. The water is pumped through a 2" schedule 80 carbon steel pipe to Texaco Producing Incorporated's water storage tank to await disposal. The tank is a 500 bbl tank located at the L, M, N and O tank battery located approximately ½ mile northwest of the plant. The top edge of the separator pit is approximately 10" above grade so there is no rainfall runoff entering the pit. The separator capacity is approximately 2500 gallons.

p. High Pressure Separator - The high pressure separator is a pressurized vessel which dumps water automatically. The water flows through a 1" carbon steel line and then into a 2" schedule 80 carbon steel pipe which attaches to the line to Texaco Producing Incorporated's water storage tank. The line is buried except for 30'.

q. Cooling Tower Blowdown - The cooling tower blowdown originates at the discharge of the cooling water circulation pumps. The water is discharged into a 1" carbon steel pipe which is buried except for 15'. The line is connected to the 2" oil/water separator discharge line.

r. Flare Water Knock-out - Condensed water from the flare gravitates into a horizontal steel vessel which is below ground level. The pit has earthen dikes around it to prevent rainfall from entering. The water is pumped automatically through a 1" carbon steel pipe to the oil/water separator discharge line.

D. Spill/Leak Prevention and Housekeeping Procedures

1. Containment and Cleanup of Spills: Texaco's Buckeye Gas Processing Plant is manned 24 hours per day, 7 days per week. During non-business hours and on weekends the plant is manned by one of several Operators. The plant is visually inspected on an hourly basis by the Operator.

In the event of a spill that cannot be handled with personnel and equipment on site, the Plant Superintendent or his designated representative will call a trained and experienced local contractor who can provide the equipment necessary to contain and remove the spill. The contractor's equipment may include, but is not limited to, vacuum trucks, dump trucks, backhoes, hand tools and absorbent material.

The Buckeye Gas Processing Plant has in effect a plan for prevention of significant spills that could lead to groundwater contamination. This plan calls for the installation of curbing, diking and/or other acceptable containment measures around all ground level storage vessels. The plant has made a commitment to have this work completed within two years of this date.

This plan also provides that any future ground level storage tanks will be installed on curbed pads constructed of concrete or other impervious material that will facilitate the detection of leaks.

Any spill contaminated materials will be disposed of in a manner that is consistent with all applicable local, state and federal regulations.

In the event of a reportable spill, leak or release notification will be provided in accordance with New Mexico Oil Conservation Division Rule 116 and any other applicable rules or regulations.

2. Housekeeping Procedures: Empty chemical drums are rinsed until clean and then stored for return to the providing vendor. The rinsate is returned to process. Where practical the plant utilizes bulk storage tanks in lieu of drums.

Oily rags are accumulated in drums placed at strategic locations throughout the plant. The oily rags are then returned to the vendor for cleaning and reuse.

Trash is stored in a dumpster as it is generated. Waste Management of Southeast New Mexico removes the trash for disposal at the City of Hobbs Landfill.

The plant has a spill program in effect that calls for the installation of drip/leak collection pads or vats around or under all sources that have a history of leaking or have a high potential to leak. The sources that will be controlled will include certain pumps, valves, flanges, chemical pots, and blowdown lines.

The plant has already installed drip vats under the chemical drum racks. The vats are emptied on an as-needed basis by use of a portable pump. The material removed from the vats is returned to process.

Should a spill or leak occur any contaminated soil is removed and disposed of in accordance with applicable local, state and federal regulations.

The plant's spill program is scheduled to be completed within two years from this date.

3. Leak Detection: The plant operators conduct hourly walk-through inspections of the entire facility. If a leak is discovered the plant operator will initiate corrective action. In the event of a serious or catastrophic leak the plant operator may initiate emergency procedures as outlines in Item II.D.1.

   Any problems encountered are noted in the operators log book.

   Additionally, the plant plans to leak test all buried wastewater lines within 2 years from this date. All pressurized lines will be hydrostatically tested at 1.5 times their operating pressure. Open-end lines will be tested by pneumatic or other acceptable non-destructive testing techniques. Records of the leak testing will be maintained in the plant files.

4. Injection Wells: See Item III.A.2.

III. EFFLUENT DISPOSAL

A. Existing Operations

1. On-site Facilities: Texaco's Buckeye Gas Processing Plant does not utilize on-site disposal facilities.

2. Off-site Facilities

   a. Sludges and Solids - The plant disposes of sludges and solids on an as-needed basis. When disposal is required the transporter and disposal site utilized will meet all local, state and federal requirements.

   b. Wastewater - All of the plant's wastewaters are disposed of in Texaco Exploration and Production Inc.'s (TEPI) Vacuum Greyburg San Andres Unit Water Flood System. The wastewater is pumped from the plant through a 2" carbon steel line to a 500 bbl produced water storage tank that is owned by TPI. TPI then draws water from the storage tank for use in any of several Class II injection wells located in Sections 1 and 2, Township 18 South, Range 34 East and in Section 35, Township 17 South, Range 34 East.

   The injection wells and the water flood project are operated by:

   Texaco Exploration and Production Inc.
   West Star Route
   Box 425
   Lovington, NM 88260

B. Proposed Modifications: Not applicable.

IV. SITE CHARACTERISTICS

A. Hydrological Features

1. There are no known bodies of water, streams or other watercourses within one mile of the Buckeye Gas Processing Plant.

There are ten known freshwater wells within a one mile radius of the plant:

- Texaco Exploration and Production Inc. VGSA Unit D Well #3
  Section 1, Township 18 South, Range 34 East

- Texaco Exploration and Production Inc. VGSA Well #2
  Section 2, Township 18 South, Range 34 East

- Texaco Exploration and Production Inc. field office
  Section 1, Township 18 South, Range 34 East

- Texaco Exploration and Production Inc. CVU Extraction Well #2
  Legal description not known

- Texaco Exploration and Production Inc. CVU Extraction Well #1
  Section 1, Township 18 South, Range 34 East

- Texaco Exploration and Production Inc. CVU WSW #2
  Section 6, Township 18 South, Range 35 East

- Texaco Exploration and Production Inc. CVU #3
  Section 6, Township 18 South, Range 35 East

- Texaco Exploration and Production Inc. Buckeye Gas Processing Plant
  Section 36, Township 17 South, Range 34 East

- New Mexico Potash Corporation Well #8
  Section 31, Township 17 South, Range 34 East

- New Mexico Potash Corporation
  Section 31, Township 17 South, Range 35 East

Two of the wells, Texaco Exploration and Production Inc.'s CVU Extraction Wells #1 and #2, are used for a groundwater remediation project. The Texaco Exploration and Production Inc. field office well is used for drinking water. All other wells are used for industrial purposes.

2. The depth to the first usable aquifer, the Ogallala aquifer, averages 115-120 feet. On January 3, 1991 the plant's water well was sampled for water quality analyses. The results indicated 402 mg/l TDS. The analyses are included in Appendix 2.

3. During a 1989/1990 groundwater contaminations study, conducted by the New Mexico Oil Conservation Division and Texaco Exploration and Production Inc., the groundwater flow direction was determined to be from the northwest to the southeast. A groundwater flow contour drawing has been included as Appendix 5.

B. Geological Description of Discharge Site

A geological description of the discharge site can best be described by including an excerpt from:

Groundwater Contamination Study
Texaco CVU WSW #3
Vacuum Field, Buckeye
Lea County, New Mexico

by Eddie W. Seay
New Mexico Oil Conservation Division
Hobbs, New Mexico
1989-1990

Site Geology

Geographically, the site is situated near the western boundary of the southern extension of the High Plains in Southeastern New Mexico. Topographically, the Southern High Plains, a plateau, rises approximately 100 to 300 feet above the surrounding region and slopes to the Southwest at 10 to 20 feet per mile.

The formation of interest in this area was the DacCum group, or "Redbed" and the Ogallala. The relatively impermeable shale facies of the upper portion of the Triassic Redbed represent the lower limit of the overlying Ogallala aquifer.

The Triassic Redbeds are composed of red to reddish brown mudstone with minor interbedded sandstone. This clay formation which underlies the fresh water aquifer is very irregular, varying in depth as much as fifty feet. Where the redbeds are exposed to the surface, it appears the changes and irregularities are due to stream erosion. These ridges and channels along with the southeastward dip of the redbed surface control the direction and movement of ground water in the lower portion of the "Ogallala" formation.

The Ogallala formation overlying the redbeds was found to consist of an upper unit of very dense light gray, beige to light pink caliche that contained occasional thin layers of light to medium brown very fine-grained silty sand. This upper caliche unit ranged in thickness from 28 to 80 feet. Underlying the upper caliche unit, the Ogallala formation consisted of unconsolidated, loose to very loose very fine-grained clean to silty sand with some medium to coarse-grained, clean to silty sand containing occasional small diameter gravel with occasional thin layers of very fine to medium grained sandstone and sandy clay. Immediately below the middle unit and just above the base of the Ogallala formation a 2 to 12 foot section of clean 1/8 to 1/2 inch diameter gravel was encountered.

The Ogallala aquifer commonly yields 250 to 800 gallons per minute (gpm) and locally yields as much as 1000 gpm in some wells.

The quality of the ground water in the Ogallala formation is reported to be generally suitable for domestic, municipal and irrigation use. Water in this area is also used for makeup waterflood projects.

C. Flood Protection

After an exhaustive search of governmental agencies, specific flooding information could not be located. However, during the 25 year operating history of the plant there have been no known flooding events.

The annual rainfall totals from the nearest recording station in Lovington, New Mexico are:

1978	16.4 inches
1979	10.7 "
1980	13.8 "
1981	27.8 "
1982	13.2 "
1983	10.3 "
1984	27.7 "
1985	23.05 "
1986	16.45 "

CRR:lam
01/14.1

SwL SOUTHWESTERN LABORATORIES

Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services
1703 West Industrial Avenue • P.O. Box 2150 • Midland, Texas 79702

Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69923
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Water Well, Sampled 1-3-91 @ 2:35 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF CHEMICAL ANALYSIS

Parameters	Results, mg/L	Date Performed	Analyst	Standard Methods, 17th Edition
Calcium	85	1-4-91	W. Jaycox	3500-Ca,D
Magnesium	15	1-4-91	W. Jaycox	3500-Mg,E
Sodium	34	1-10-91	A. Johnston	3500-Na,D
Potassium	4	1-10-91	A. Johnston	3500-K,D
Carbonate	0	1-4-91	W. Jaycox	2320-B
Bicarbonate	188	1-4-91	W. Jaycox	2320-B
Sulfate	31	1-8-91	W. Jaycox	4500-SO_4, C
Chloride	113	1-4-91	W. Jaycox	4500-Cl, B
Total Dissolved Solids, @ 180°C	402	1-7-91	W. Jaycox	2540-C
Total Hardness as CaCO3	272	1-4-91	W. Jaycox	2340-C
pH 7.43		1-4-91	W. Jaycox	4500-H
Fluoride	2.2	1-8-91	L. Church	4500-F, C
Nitrate-N	4.1	1-8-91	A. Johnston	4500-NO_3, F
Phenol	*0.01	1-9-91	A. Johnston	SW846/9066
Cyanide	*0.1	1-9-91	A. Johnston	SW846/9012

*Denotes "less than"

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Report of tests on Water
Client Texaco, Inc.
Delivered by James Turner

File No. 6838510
Report No. 69923
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, Water Well, Sampled 1-3-91 @ 2:35 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF TOTAL METALS

Parameters	Results mg/L	Date Performed	Analyst	Test Method
Arsenic	*0.01	1-9-91	A. Johnston	SW846, 7061
Barium	*0.5	1-9-91	A. Johnston	SW846, 7080
Cadmium	*0.01	1-9-91	A. Johnston	SW846, 7130
Chromium	*0.05	1-9-91	A. Johnston	SW846, 7190
Lead	*0.02	1-9-91	A. Johnston	SW846, 7421
Mercury	*0.002	1-9-91	A. Johnston	SW846, 7470
Selenium	*0.01	1-9-91	A. Johnston	SW846, 7741
Silver	*0.05	1-9-91	A. Johnston	SW846, 7760
Copper	*0.05	1-9-91	A. Johnston	SW846, 7210
Iron	0.5	1-9-91	A. Johnston	SW846, 7380
Manganese	0.07	1-9-91	A. Johnston	SW846, 7460
Zinc	0.26	1-9-91	A. Johnston	SW846, 7950

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Report of tests on Water
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File No. 6838510
Report No. 69923
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, Water Well, Sampled 1-3-91 @ 2:35 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-8-91 **Method** SW846,5030/8240
Technique Purge and Trap GC/MS **Analyst** W. Kucera

Compound	ug/L
Chloromethane	*10
Bromomethane	*10
Vinyl Chloride	*10
Chloroethane	*10
Methylene Chloride	* 5
1,1-Dichloroethene	* 5
1,1-Dichloroethane	* 5
trans-1,2-Dichloroethene	* 5
Chloroform	* 5
1,2-Dichloroethane	14
1,1,1-Trichloroethane	* 5
Carbon Tetrachloride	* 5
Bromodichloromethane	* 5
1,2-Dichloropropane	* 5
trans-1,3-Dichloropropene	* 5
Trichloroethene	* 5
Dibromochloromethane	* 5
1,1,2-Trichloroethane	* 5
cis-1,3-Dichloropropene	* 5
2-Chloroethylvinylether	*10
Bromoform	* 5
Tetrachloroethene	* 5
1,1,2,2-Tetrachloroethane	* 5
Chlorobenzene	* 5
1,3-Dichlorobenzene	* 5
1,4-Dichlorobenzene	* 5
1,2-Dichlorobenzene	* 5

*Denotes "less than"

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69925
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Oil/Water Separator, Sampled 1-3-91 @ 2:05 Mountain Time by David Tramell, Randy Duncan & James Turner

REPORT OF CHEMICAL ANALYSIS

Parameters	Results, mg/L	Date Performed	Analyst	Standard Methods, 17th Edition
Calcium	83	1-4-91	W. Jaycox	3500-Ca,D
Magnesium	17	1-4-91	W. Jaycox	3500-Mg,E
Sodium	51	1-10-91	A. Johnston	3500-Na,D
Potassium	29	1-10-91	A. Johnston	3500-K,D
Carbonate	17	1-4-91	W. Jaycox	2320-B
Bicarbonate	320	1-4-91	W. Jaycox	2320-B
Sulfate	26	1-7-91	W. Jaycox	4500-SO_4, C
Chloride	154	1-9-91	L. Church	4500-Cl^-, B
Total Dissolved Solids, @ 180°C	510	1-7-91	W. Jaycox	2540-C
Total Hardness as CaCO3	280	1-4-91	W. Jaycox	2340-C
pH 8.53		1-4-91	W. Jaycox	4500-H
Fluoride	2.53	1-8-91	L. Church	4500-F, C
Nitrate-N	2.5	1-8-91	A. Johnston	4500-NO_3, F
Phenol	0.63	1-9-91	A. Johnston	SW846/9066
Cyanide	*0.1	1-9-91	A. Johnston	SW846/9012
NH3-N **	2.6	1-9-91	L. Church	4500-NH_3, F

* Denotes "less than"
** Formation of volatile ammonium salts during the total dissolved solids analysis tends toward low TDS results.

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69925
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Oil/Water Separator Sampled 1-3-91 @ 2:05 Mountain Time by David Tramell, Randy Duncan & James Turner

REPORT OF TOTAL METALS

Parameters	Results mg/L	Date Performed	Analyst	Test Method
Arsenic	*0.01	1-9-91	A. Johnston	SW846, 7061
Barium	19	1-9-91	A. Johnston	SW846, 7080
Cadmium	*0.01	1-9-91	A. Johnston	SW846, 7130
Chromium	*0.05	1-9-91	A. Johnston	SW846, 7190
Lead	*0.09	1-9-91	A. Johnston	SW846, 7420
Mercury	*0.002	1-9-91	A. Johnston	SW846, 7470
Selenium	*0.01	1-9-91	A. Johnston	SW846, 7741
Silver	*0.05	1-9-91	A. Johnston	SW846, 7760
Copper	*0.05	1-9-91	A. Johnston	SW846, 7210
Iron	0.57	1-9-91	A. Johnston	SW846, 7380
Manganese	0.10	1-9-91	A. Johnston	SW846, 7460
Zinc	0.31	1-9-91	A. Johnston	SW846, 7950

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REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-8-91 **Method** SW846,5030/8240
Technique Purge and Trap GC/MS **Analyst** W. Kucera

Compound	ug/L
Chloromethane	1000
Bromomethane	* 50
Vinyl Chloride	* 50
Chloroethane	* 50
Methylene Chloride	* 25
1,1-Dichloroethene	* 25
1,1-Dichloroethane	* 25
trans-1,2-Dichloroethene	* 25
Chloroform	* 25
1,2-Dichloroethane	1300
1,1,1-Trichloroethane	* 25
Carbon Tetrachloride	* 25
Bromodichloromethane	* 25
1,2-Dichloropropane	* 25
trans-1,3-Dichloropropene	* 25
Trichloroethene	* 25
Dibromochloromethane	* 25
1,1,2-Trichloroethane	* 25
cis-1,3-Dichloropropene	* 25
2-Chloroethylvinylether	* 50
Bromoform	* 25
Tetrachloroethene	26
1,1,2,2-Tetrachloroethane	* 25
Chlorobenzene	* 25
1,3-Dichlorobenzene	* 25
1,4-Dichlorobenzene	* 25
1,2-Dichlorobenzene	* 25

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69925
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Oil/Water Separator
Sampled 1-3-91 @ 2:05 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-7-91
Analyst J. Barnett

Method: SW846,5030/8020

Compound	mg/L
Benzene	101.5
Toluene	48.3
Ethyl Benzene	5.0
Total Xylenes	5.0

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69925
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Oil/Water Separator Sampled 1-3-91 @ 2:05 Mountain Time by David Tramell, Randy Duncan & James Turner

REPORT OF PCB ANALYSIS

Date of Analysis 1-10-91 **Method: SW846, 3550/8080**
Analyst W. Gase

Compound	mg/L
PCB-1016	*0.01
PCB-1221	*0.01
PCB-1232	*0.01
PCB-1242	*0.01
PCB-1248	*0.01
PCB-1254	*0.01
PCB-1260	*0.01

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Report of tests on Water
Client Texaco, Inc.
Delivered by James Turner

File No. 6838510
Report No. 69926
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, High Pressure Separator, Sampled 1-3-91 @ 2:25 Mountain Time by David Tramell, Randy Duncan & James Turner

REPORT OF CHEMICAL ANALYSIS

Parameters	Results, mg/L	Date Performed	Analyst	Standard Methods, 17th Edition
Calcium	112	1-4-91	W. Jaycox	3500-Ca,D
Magnesium	27	1-4-91	W. Jaycox	3500-Mg,E
Sodium	43	1-10-91	A. Johnston	3500-Na,D
Potassium	5	1-10-91	A. Johnston	3500-K,D
Carbonate	28	1-4-91	W. Jaycox	2320-B
Bicarbonate	505	1-4-91	W. Jaycox	2320-B
Sulfate	296	1-7-91	W. Jaycox	4500-SO_4, C
Chloride	123	1-9-91	L. Church	4500-Cl^-, B
Total Dissolved Solids, @ 180°C	720	1-7-91	W. Jaycox	2540-C
Total Hardness as CaCO3	392	1-4-91	W. Jaycox	2340-C
pH 8.44		1-4-91	W. Jaycox	4500-H
Fluoride	2.35	1-8-91	L. Church	4500-F, C
Nitrate-N	2.1	1-8-91	A. Johnston	4500-NO_3, F
Phenol	1.7	1-9-91	A. Johnston	SW846/9066
Cyanide	0.2	1-9-91	A. Johnston	SW846/9012
NH3-N **	164	1-9-91	L. Church	4500-NH_3, F

* Denotes "less than"
** Formation of volatile ammonium salts during the total dissolved solids analysis tends toward low TDS results.

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Report of tests on Water
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Delivered by James Turner

File No. 6838510
Report No. 69926
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, High Pressure Separator Sampled 1-3-91 @ 2:25 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF TOTAL METALS

Parameters	Results mg/L	Date Performed	Analyst	Test Method
Arsenic	0.02	1-9-91	A. Johnston	SW846, 7061
Barium	2.9	1-9-91	A. Johnston	SW846, 7080
Cadmium	*0.01	1-9-91	A. Johnston	SW846, 7130
Chromium	*0.05	1-9-91	A. Johnston	SW846, 7190
Lead	*0.09	1-9-91	A. Johnston	SW846, 7420
Mercury	*0.002	1-9-91	A. Johnston	SW846, 7470
Selenium	*0.01	1-9-91	A. Johnston	SW846, 7741
Silver	*0.05	1-9-91	A. Johnston	SW846, 7760
Copper	3.3	1-9-91	A. Johnston	SW846, 7210
Iron	1.5	1-9-91	A. Johnston	SW846, 7380
Manganese	0.24	1-9-91	A. Johnston	SW846, 7460
Zinc	3.3	1-9-91	A. Johnston	SW846, 7950

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REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-8-91 **Method** SW846,5030/8240
Technique Purge and Trap GC/MS **Analyst** W. Kucera

Compound	ug/L
Chloromethane	180
Bromomethane	* 50
Vinyl Chloride	* 50
Chloroethane	* 50
Methylene Chloride	* 25
1,1-Dichloroethene	* 25
1,1-Dichloroethane	* 25
trans-1,2-Dichloroethene	* 25
Chloroform	* 25
1,2-Dichloroethane	500
1,1,1-Trichloroethane	34
Carbon Tetrachloride	* 25
Bromodichloromethane	* 25
1,2-Dichloropropane	* 25
trans-1,3-Dichloropropene	* 25
Trichloroethene	* 25
Dibromochloromethane	* 25
1,1,2-Trichloroethane	* 25
cis-1,3-Dichloropropene	* 25
2-Chloroethylvinylether	* 50
Bromoform	* 25
Tetrachloroethene	160
1,1,2,2-Tetrachloroethane	* 25
Chlorobenzene	* 25
1,3-Dichlorobenzene	* 25
1,4-Dichlorobenzene	* 25
1,2-Dichlorobenzene	* 25

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Report of tests on	Water	**File No.**	6838510
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Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, High Pressure Separator Sampled 1-3-91 @ 2:25 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-7-91
Analyst J. Barnett

Method: SW846,5030/8020

Compound	mg/L
Benzene	36.9
Toluene	17.0
Ethyl Benzene	1.6
Total Xylenes	1.6

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69926
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, High Pressure Separator, Sampled 1-3-91 @ 2:25 Mountain Time by David Tramell, Randy Duncan & James Turner

REPORT OF PCB ANALYSIS

Date of Analysis 1-10-91 **Method: SW846, 3550/8080**
Analyst W. Gase

Compound	mg/L
PCB-1016	*0.01
PCB-1221	*0.01
PCB-1232	*0.01
PCB-1242	*0.01
PCB-1248	*0.01
PCB-1254	*0.01
PCB-1260	*0.01

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Report of tests on Water
Client Texaco, Inc.
Delivered by James Turner

File No. 6838510
Report No. 69924
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, Cooling Tower, Sampled 1-3-91 @ 2:10 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF CHEMICAL ANALYSIS

Parameters	Results, mg/L	Date Performed	Analyst	Standard Methods, 17th Edition
Calcium	456	1-4-91	W. Jaycox	3500-Ca,D
Magnesium	92	1-4-91	W. Jaycox	3500-Mg,E
Sodium	206	1-10-91	A. Johnston	3500-Na,D
Potassium	24	1-10-91	A. Johnston	3500-K,D
Carbonate	0	1-4-91	W. Jaycox	2320-B
Bicarbonate	45	1-4-91	W. Jaycox	2320-B
Sulfate	1073	1-7-91	W. Jaycox	4500-SO_4, C
Chloride	567	1-4-91	W. Jaycox	4500-Cl, B
Total Dissolved Solids, @ 180°C	2640	1-7-91	W. Jaycox	2540-C
Total Hardness as CaCO3	1520	1-4-91	W. Jaycox	2340-C
pH 6.97		1-4-91	W. Jaycox	4500-H
Fluoride	6.70	1-8-91	L. Church	4500-F, C
Nitrate-N	38	1-8-91	A. Johnston	4500-NO_3, F
Phenol	*0.01	1-9-91	A. Johnston	SW846/9066
Cyanide	*0.1	1-9-91	A. Johnston	SW846/9012

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Report of tests on Water
Client Texaco, Inc.
Delivered by James Turner

File No. 6838510
Report No. 69924
Report Date 1-10-91
Date Received 1-4-91

Identification Texaco Buckeye Gas Plant Project, Cooling Tower, Sampled 1-3-91 @ 2:10 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF TOTAL METALS

Parameters	Results mg/L	Date Performed	Analyst	Test Method
Arsenic	0.02	1-9-91	A. Johnston	SW846, 7061
Barium	0.74	1-9-91	A. Johnston	SW846, 7080
Cadmium	*0.01	1-9-91	A. Johnston	SW846, 7130
Chromium	*0.05	1-9-91	A. Johnston	SW846, 7190
Lead	*0.09	1-9-91	A. Johnston	SW846, 7420
Mercury	*0.002	1-9-91	A. Johnston	SW846, 7470
Selenium	*0.01	1-9-91	A. Johnston	SW846, 7741
Silver	*0.05	1-9-91	A. Johnston	SW846, 7760
Copper	*0.05	1-9-91	A. Johnston	SW846, 7210
Iron	0.36	1-9-91	A. Johnston	SW846, 7380
Manganese	0.36	1-9-91	A. Johnston	SW846, 7460
Zinc	0.19	1-9-91	A. Johnston	SW846, 7950

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Identification Texaco Buckeye Gas Plant Project, Cooling Tower, Sampled 1-3-91 @ 2:10 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-8-91 **Method** SW846,5030/8240
Technique Purge and Trap GC/MS **Analyst** W. Kucera

Compound	ug/L
Chloromethane	*10
Bromomethane	*10
Vinyl Chloride	*10
Chloroethane	*10
Methylene Chloride	* 5
1,1-Dichloroethene	* 5
1,1-Dichloroethane	* 5
trans-1,2-Dichloroethene	* 5
Chloroform	* 5
1,2-Dichloroethane	14
1,1,1-Trichloroethane	* 5
Carbon Tetrachloride	* 5
Bromodichloromethane	* 5
1,2-Dichloropropane	* 5
trans-1,3-Dichloropropene	* 5
Trichloroethene	* 5
Dibromochloromethane	* 5
1,1,2-Trichloroethane	* 5
cis-1,3-Dichloropropene	* 5
2-Chloroethylvinylether	*10
Bromoform	* 5
Tetrachloroethene	* 5
1,1,2,2-Tetrachloroethane	* 5
Chlorobenzene	* 5
1,3-Dichlorobenzene	* 5
1,4-Dichlorobenzene	* 5
1,2-Dichlorobenzene	* 5

*Denotes "less than"

Copies: Texaco, Inc.
1cc: Lovington, Attn: C. D. Tramell ; 2cc: Tulas, OK, Attn: Ray Russell

SOUTHWESTERN LABORATORIES

Reviewed by

SwL SOUTHWESTERN LABORATORIES

Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services
1703 West Industrial Avenue • P.O. Box 2150 • Midland, Texas 79702

Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69924
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Cooling Tower, Sampled 1-3-91 @ 2:10 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF ORGANICS ANALYSIS

Date of Analysis 1-7-91
Analyst J. Barnett

Method: SW846,5030/8020

Compound	mg/L
Benzene	*0.005
Toluene	*0.005
Ethyl Benzene	*0.005
Total Xylenes	*0.005

*Denotes "less than"

Copies: Texaco, Inc.
1cc: Lovington, Attn: C. D. Trammel; 2cc: Tulsa, OK, Attn: Ray Russell

Reviewed by

SOUTHWESTERN LABORATORIES

SwL SOUTHWESTERN LABORATORIES

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Report of tests on	Water	**File No.**	6838510
Client	Texaco, Inc.	**Report No.**	69924
Delivered by	James Turner	**Report Date**	1-10-91
		Date Received	1-4-91

Identification Texaco Buckeye Gas Plant Project, Cooling Tower, Sampled 1-3-91 @ 2:10 Mountain Time by David Tramell, Randy Duncan, & James Turner

REPORT OF PCB ANALYSIS

Date of Analysis 1-10-91
Analyst W. Gase

Method: SW846, 3550/8080

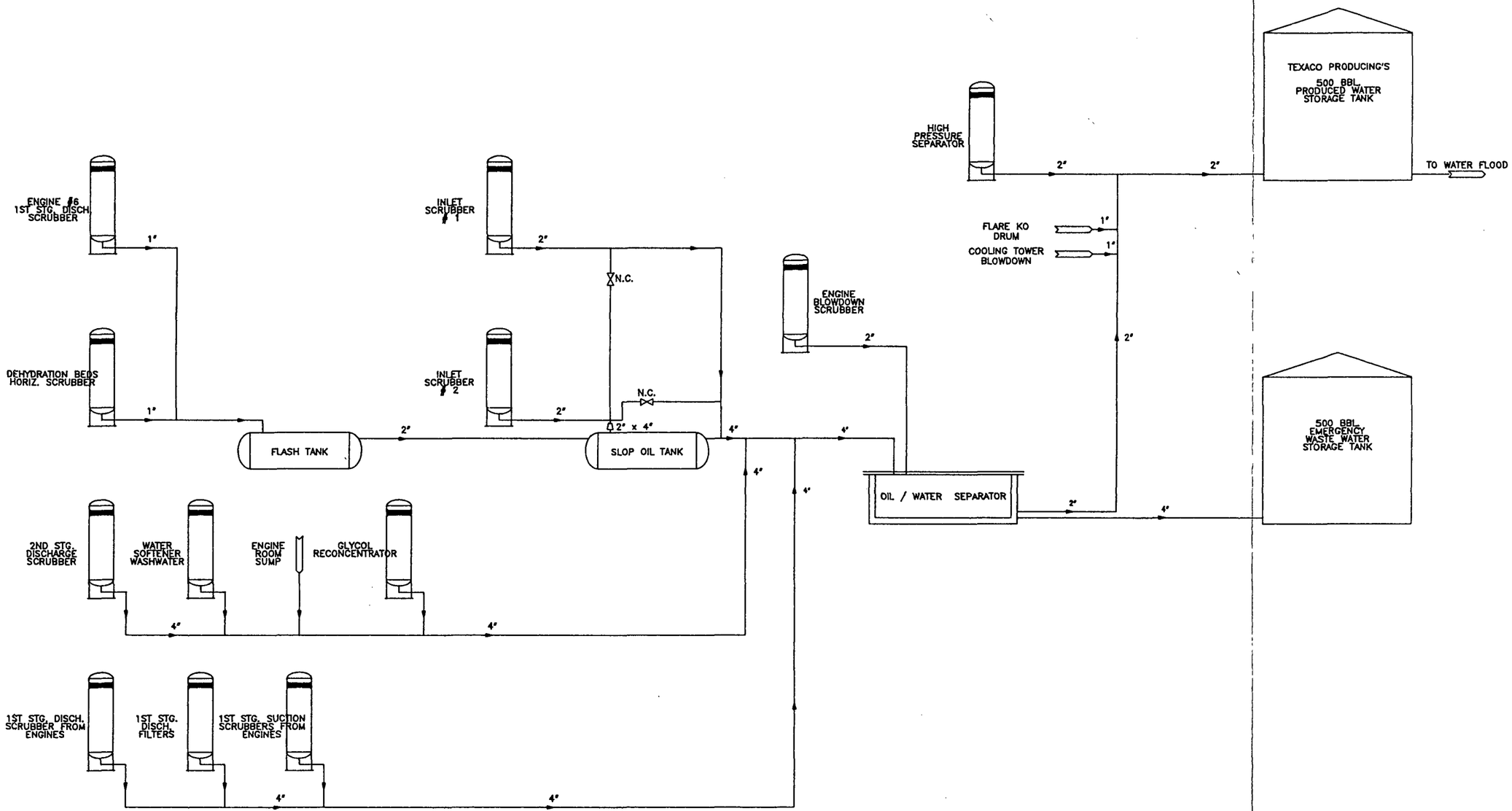
Compound	mg/L
PCB-1016	*0.01
PCB-1221	*0.01
PCB-1232	*0.01
PCB-1242	*0.01
PCB-1248	*0.01
PCB-1254	*0.01
PCB-1260	*0.01

*Denotes "less than"

Copies: Texaco, Inc.
1cc: Lovington; 2cc: Tulsa, OK

Reviewed by

SOUTHWESTERN LABORATORIES



GENERAL NOTES:

REVISIONS

MK.	DESCRIPTION	BY	CHK
P	ISSUE FOR N.M. OCD PERMIT	JH	

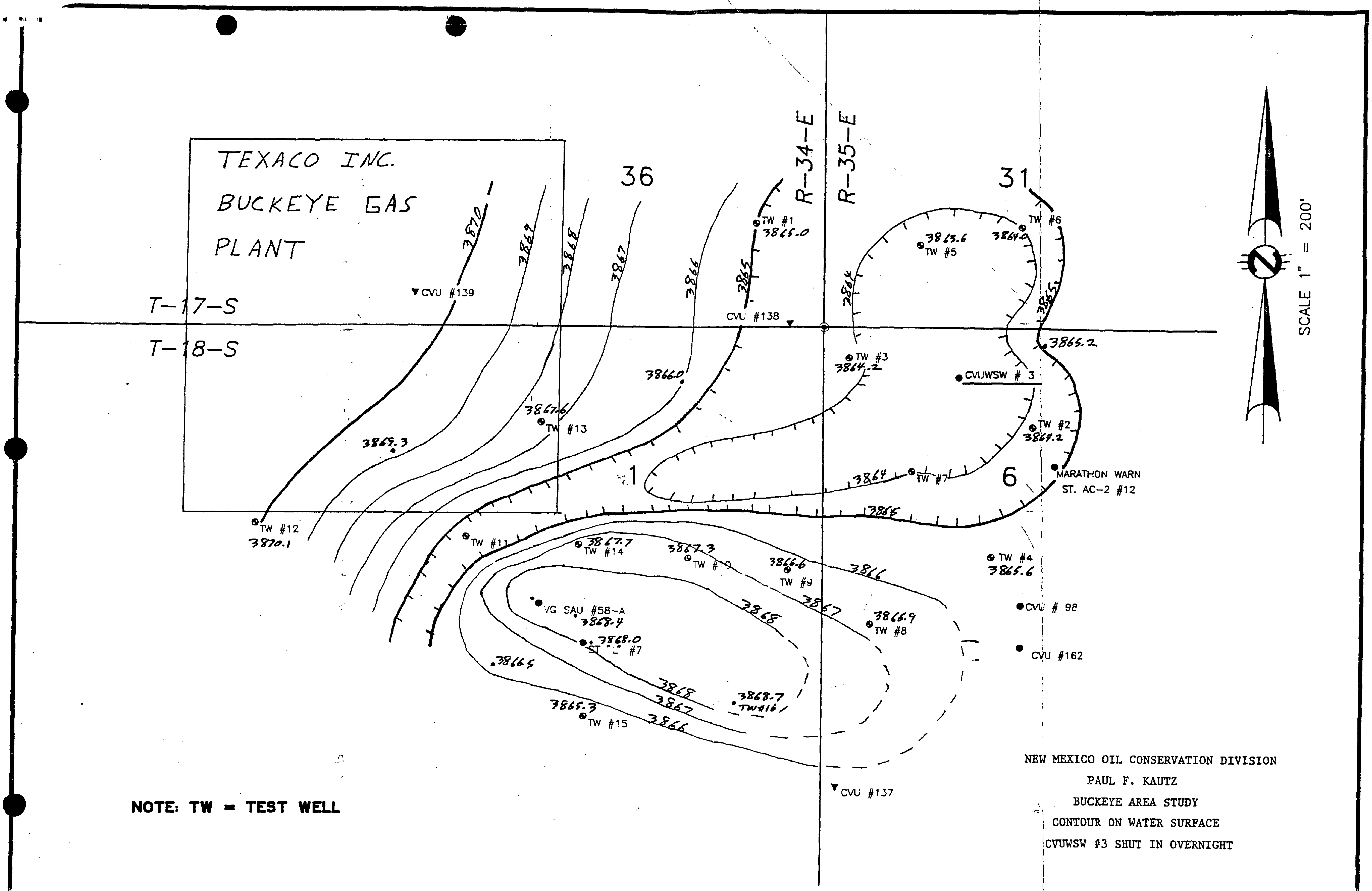
REFERENCE DRAWINGS

DRAWING NO.	TITLE	DRAWING NO.	TITLE

NOTICE

TEXACO | NATURAL GAS PLANTS AND LIQUIDS DIVISION

APPROVED:	DATE	TITLE: WASTE WATER SYSTEM BLOCK FLOW DIAGRAM
CHECKED:		
DESIGNED:		LEA COUNTY BUCKEYE GAS PLANT NEW MEXICO
DRAWN: HARBOUR		EST. NO.: SCALE: DWG. NO.: D-0060-20-009 REV.: P


TEXACO INC.
BUCKEYE GAS
PLANT
36
31
1
6
R-34-E
R-35-E
T-17-S
T-18-S
SCALE 1" = 200'
CVU #139
CVU #138
CVU #137
CVU # 98
CVU #162
TW #1
3865.0
TW #5
3863.6
TW #6
3864.0
TW #3
3864.2
3865.2
CVUWSW # 3
TW #2
3864.2
TW #7
MARATHON WARN
ST. AC-2 #12
TW #4
3865.6
3866.0
3867.6
TW #13
3869.3
TW #12
3870.1
TW #11
3867.7
TW #14
3867.3
TW #10
3866.6
TW #9
3866.9
TW #8
VG SAU #58-A
3868.4
3868.0
3866.5
3868.7
TW#16
3865.3
TW #15
3870
3869
3868
3867
3866
3865
3864

NOTE: TW = TEST WELL

NEW MEXICO OIL CONSERVATION DIVISION
PAUL F. KAUTZ
BUCKEYE AREA STUDY
CONTOUR ON WATER SURFACE
CVUWSW #3 SHUT IN OVERNIGHT

Texaco Inc
PO Box 1650
Tulsa OK 74102

ENV - POLLUTION CONTROL
Water Pollution Control Permits
Buckeye Gas Processing Plant
(Discharge Plan GW-29)

April 18, 1991

Mr. Roger C. Anderson
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
P.O. Box 2008
State Land Office Building
Santa Fe, NM 87504

Dear Mr. Anderson:

Pursuant to your February 22, 1991 letter, Texaco offers the following commitments in order to correct any deficiencies that were found during your plant visit. Our responses are in the order in which they were presented in your February 22, 1991 letter.

1. a) The drum storage north of the generator building will have a concrete pad 8' X 4' with a 4" containment curb.

   b) The kerosene saddle tank will have a concrete pad 8' X 4' with a 4" containment curb to contain spills and leakage.

   c) The phosphate tank west of the cooling tower will have a concrete pad 8' X 5' poured to contain any leaks or spills. The pad will have a 4" containment curbing.

   d) The biocide drums north of the cooling tower will be placed on a concrete pad 4' X 8' with a 4" containment curb.

   e) The present berm around the glycol tank will be enlarged to include the glycol saddle tanks.

   f) A concrete pad with a 4" containment curb will be built along the north fence for drum storage.

   g) The oil/water drip line on the air compressors will be routed so it will be dumping to the drain in the engine room.

2. The product shipping pump will have an angle iron curb installed with a neoprene gasket to prevent oil from leaking off the pad. This work will be completed by October 1, 1991.

3. The existing berming at the slop oil tanks will be enlarged to a capacity of 1-1/3 the volume of both tanks. This work will be completed by June 1, 1991.

4. The main waste sump will be completely emptied and the walls and bottom washed down with fresh water and visually inspected for cracks. This will be completed by July 9, 1991 and then reinspected annually.

5. The glycol pumps will be surrounded by a concrete pad with a 4" containment wall which should contain all leaks and spills. A sump pump will be placed at one corner of this pad. Pumps are visually checked a minimum of four (4) times in an eight (8) hour shift. This work will be completed by December 31, 1991.

6. a) The DGA tank will be bermed with concrete and will hold 1-1/3 the volume of the tank. Engineering is being consulted for assistance in material specification, sizing, etc. This work should be completed by December 31, 1991.

   b) The lube oil tank will be bermed with concrete and will hold 1-1/3 the volume of the tank. This work will be completed by December 31, 1991. Engineering is being consulted for assistance in material specification, sizing, etc.

7. A concrete containment wall will be built on the cooler pads of the recompressors with a drain running back to the drains in the engine room. This should contain all oil leaks on the pads. The work should be completed by April 1992.

Please call me at (918) 560-7055 if you have any questions or require additional information.

Sincerely,

Ray Russell

C. R. Russell
Environmental Coordinator
NATURAL GAS PLANTS AND LIQUIDS DIVISION

CRR:ila
04/17.2

Buckeye

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

OIL CONSER[illegible]N DIVISION
RECEIVED
[illegible] AM 10 26

March 14, 1991

Mr. William J. Lemay, Director
New Mexico Energy, Minerals and
Natural Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2008

Dear Mr. Lemay:

This responds to Roger Anderson's letter dated March 1, 1991, concerning the renewal or modifications of the following discharge plans:

(GW-3) - Texaco USA, Eunice #1 Gas Plant located in Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

(GW-53) - Enron Gas Pipeline Operating Company, Yates Processing Plant located in Section 25, Township 18 South, Range 25 East, NMPM, Eddy County, New Mexico.

Mr. Anderson provided us copies of the New Mexico Water Quality Control Commission Regulations as amended through November 25, 1988, and the Rules and Regulations of the State of New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (Division) dated October 16, 1989. He also included copies of the following documents.

1. The amended rules for the abandonment and plugging of wells.

2. The application for exception to Division Order R-8952 for protection of migratory birds for the Eunice #1 Gas Plant Pit #3, signed by Ray Russell, Environmental Coordinator for the operator, Texaco Producing Inc.

3. A copy of the modification permit request for the land farm application of nonhazardous contaminated soil from Enron Gas Plants (GW-53).

The information provided for GW-53 adequately addresses the U.S. Fish and Wildlife Service (Service) concerns relative to the land farm procedures.

The Service, however, finds the information contained in the application for exception to Division Order R-8952 for GW-3 to be inaccurate and strongly disagrees with the decision by the Division to grant the exception.

The requirement contained in order R-8952 to screen, net, or cover a pit or tank for the protection of migratory birds does not apply to migratory waterfowl species alone, but to all migratory bird species. Migratory birds that are not waterfowl include, but are not limited to, sparrows, hawks, blackbirds, doves, flycatchers, kingbirds, larks, swallows, thrushes, and wrens, all of which have ranges that include the area of this gas plant. Therefore, the statement that this pit is not within a migratory waterfowl management corridor within the Central Flyway is not sufficient to eliminate the potential use of water impoundments by migratory bird species. Additionally, the Eunice #1 Gas Plant Pit #3 in Lea County, New Mexico, does occur within the Central Flyway. The Central Flyway consists of Alberta, Saskatchewan; Colorado, Kansas, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming; and Mexico (U.S. Department of the Interior, Fish and Wildlife Service, 1984, Flyways, Pioneering Waterfowl Management in North America).

The facility is manned 24 hours a day, and although the pit is checked two times each day and is located within the fenced boundaries of the facility, this does not lessen the accessibility of the pit to migratory birds. Human activity will not necessarily negate the use of this water impoundment by migratory birds. In addition, the removal of hydrocarbon residue within 4 hours by vacuum truck does not reduce the risk to migratory birds that contact oil and would subsequently be killed.

The Migratory Bird Treaty Act (MBTA) does not allow any exception to the take of migratory birds. If any migratory birds are killed in this pit (or any other) and documented due to granting of an exception to screening at this facility, the Service will turn the case over to the U.S. Attorney for review and possible prosecution under the MBTA. To avoid this eventuality, the Service recommends that <u>all</u> wastewater impoundments be designed and constructed to prevent access by migratory birds,

The screen, fence, net, or cover used should be of sufficient size to prevent access to the pit, tank, or impoundment. The use of unlined pits, tanks, or impoundments should also be avoided as seepage can provide migratory bird access to contaminated water. Failure to implement these measures could subject companies, and even individuals, to civil and/or criminal liabilities under the MBTA, the Endangered Species Act, and the Eagle Protection Act.

If you have any questions concerning our comments, please contact Thomas O'Brien or Joel Lusk at (505) 883-7877 or FTS 474-7877.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
District Supervisor, New Mexico Oil Conservation Division, Artesia, New Mexico
District Supervisor, New Mexico Oil Conservation Division, Aztec, New Mexico
District Supervisor, New Mexico Oil Conservation Division, Hobbs, New Mexico
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Regional Administrator, U.S. Environmental Protection Agency, Dallas, Texas
Regional Director, U.S. Fish and Wildlife Service, Division of Law Enforcement, Albuquerque, New Mexico
Regional Director, U.S. Fish and Wildlife Service, Fish and Wildlife Enhancement, Albuquerque, New Mexico
Oil Pit Coordinator, U.S. Fish and Wildlife Service, Refuges and Wildlife, Albuquerque, New Mexico

Buckeye

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

March 1, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-327-278-087

Ms. Jennifer Fowler-Propst
Field Supervisor
U. S. Fish and Wildlife Service
Suite D
3530 Pan American Highway, N.E.
Albuquerque, New Mexico 87107

Dear Ms. Fowler-Propst:

The Oil Conservation Division (OCD) has received your comments, dated February 11, 1991, concerning the renewals and/or modifications of the following discharge plans:

(GW-53) - Enron Gas Pipeline Operating Company, Yates Processing Plant located in Section 25, Township 18 South, Range 25 East, NMPM, Eddy County, New Mexico.

(GW-29) - Texaco USA, Buckeye Gas Processing Plant located in Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico.

(GW-3) - Texaco USA, Eunice #1 Gas Plant located in Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

(GW-4) - Texaco USA, Eunice #2 Gas Plant located in Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

The permitting of the Class II injection wells at the Texaco facilities (GW-3, GW-4 and GW-29) are not within the scope of the advertised discharge plan renewal applications. However, all Class II injection wells are permitted under the EPA-approved Underground Injection Control (UIC) program pursuant to Rules 701, 702, 703 and 704 of the OCD Rules and Regulations (enclosed). Any other discharges from a facility are regulated and controlled by a permit known as a "Ground Water Discharge Plan" issued pursuant to Part 3 of the New Mexico Water Quality Control Commission Regulations (enclosed). A discharge plan authorizes specific methods for disposal of wastes generated at the facility including disposal at another OCD permitted site.

Although the process water evaporation pond at Texaco's Eunice #1 Gas Plant is not screened or netted it is subject to OCD's Rule 8 (enclosed), and has been approved for exception to Division Order R-8952 requiring protection for migratory birds. A copy of the exception form and Texaco's protective measures are enclosed with this letter. OCD is evaluating whether the existing mitigation efforts are sufficiently effective.

The land farm application is a specific modification requested for a previously approved discharge plan (GW-53). As with new discharge plan applications, modification requests are reviewed very carefully to afford maximum protection to surface water, ground water and the environment. I am enclosing a copy of the modification application. In addition to the requirements committed to in the application, the OCD will not allow any fluids to be introduced to the land farm without prior approval and after complete review of proposed application techniques. This requirement will dramatically reduce the possibility of migration of contaminants by limiting any hydrostatic head available to move contaminants downward into soils or groundwater.

If you have further concerns or comments, please do not hesitate to contact me.

Sincerely,

Roger C. Anderson
Environmental Engineer

RCA/sl

Enclosures

cc: Artesia OCD C
Hobbs OCD O

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
U.S. Fish & Wildlife
Ste. D
3530 Pan American Hwy
Albuquerque, NM 87107
Attn: Jennifer Fowler

4. Article Number
P 327 278 089

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X Kurt H. Woodfield

7. Date of Delivery
3-4-91

8. Addressee's Address *(ONLY if requested and fee paid)*

Texaco Buckeye

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

February 22, 1991

CERTIFIED MAIL
RETURN RECEIPT NO. P-327-278-050

Mr. C. Ray Russell
Texaco USA
P. O. Box 1650
Tulsa, Oklahoma 74102

RE: Discharge Plan GW-29
Buckeye Gas Processing Plant
Lea County, New Mexico

Dear Mr. Russell:

The Oil Conservation Division (OCD) has received and is in the process of reviewing the above referenced discharge plan renewal application, dated January 15, 1991. The following comments and requests for additional information and commitments are based on review of the application and observations from the February 5, 1991, OCD site inspections:

1. All drum storage, above ground storage and areas susceptible to leaks must have a pad and curbing type containment. The following areas were identified that require containment:

   a) The drum storage north of the generator building.

   b) The kerosene saddle tank.

   c) The phosphate tank west of the cooling tower.

   d) The biocide drums north of the cooling tower.

   e) The glycol saddle tank.

f) Drum storage along the north fence north of the compressor building.

g) The oil drip line on the southwest end of east engine room.

Submit a plan and completion timetable to establish containment of these locations.

2. A product pump was leaking off its concrete pad. The pad had no method to contain spills or leaks. Submit a completion timetable for installing containment on this pad.

3. The two interconnected slop oil tanks were within a berm that would contain the volume of one of the tanks. Submit a completion timetable for increasing the bermed volume to one and one third (1 1/3) the volume of both tanks.

4. The main waste sump is not equipped with leak detection. Submit a procedure and schedule for annual visual inspection of this sump to ensure integrity. If major repair or replacement of this sump is necessary in the future, leak detection will be required in the design.

5. The glycol regeneration pump had no containment for spills and leaks. Submit a completion schedule for installing containment for this pump.

6. The DGA Tank and the lube oil tank each require a berm that can impound 1 1/3 the capacity of the tanks. Submit a completion schedule for installation of these berms.

7. The engine coolers on the south end of the West Cooper Building had oil leaking off their pads. Submit a completion schedule for containing these leaks on the pad.

Submission of the above information will allow review of your application to continue. If you have any questions, please do not hesitate to call me at (505) 827-5884.

Sincerely,

Roger C. Anderson
Environmental Engineer

RCA/sl

cc: OCD Hobbs Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

February 11, 1991

Cons. #2-22-91-I-075

Mr. William J. Lemay, Director
New Mexico Energy, Minerals and
Natural Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2008

Dear Mr. Lemay:

This responds to your public notice published on January 25, 1991, in which three injection well permit renewals and one permit modification for landfarm application were described. Our comments refer to the following permits:

(GW-53) - Enron Gas Pipeline Operating Company, Yates Processing Plant located in Section 25, Township 18 South, Range 25 East, NMPM, Eddy County, New Mexico.

(GW-29) - Texaco USA, Buckeye Gas Processing Plant located in Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico.

(GW-3) - Texaco USA, Eunice #1 Gas Plant located in Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

(GW-4) - Texaco USA, Eunice #2 Gas Plant located in Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

Wetlands, riparian vegetation, and other sensitive wildlife habitat on or near the sites should be protected. Our concern with injection wells (GW-29, 3, and 4) is the potential impact to fish and wildlife through leakage and other discharges. We recommend that the evaporation pond utilized for GW-3 be covered or screened to prevent migratory bird use. If impacts cannot be avoided, a mitigation plan should be developed to compensate for fish, wildlife and habitat losses.

The landfarm application technique for remediating hydrocarbon contaminated wastes (GW-53) should specifically address the migration of contaminants into the Rio Penasco. We recommend that an alternative technique that is physically contained and involves less land area also be considered. Land application can lead to degradation of the soil through compaction and has limited use. Reusable remediation technology such as contained, rock-filtered

systems, infused with hydrocarbon metabolizing bacteria and fungi, can treat hydrocarbon contaminated soil and wastewater without the potential aquifer contamination associated with well injection, or potential soil degradation associated with landfarm application.

If you have any questions concerning our comments, please contact Thomas O'Brien or Joel Lusk at (505) 883-7877 or FTS 474-7877.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Director, New Mexico Energy, Minerals and Natural Resources Department, Forestry and Resources Conservation Division, Santa Fe, New Mexico
Regional Administrator, U.S. Environmental Protection Agency, Dallas, Texas
Regional Director, U.S. Fish and Wildlife Service, Fish and Wildlife Enhancement, Albuquerque, New Mexico

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice Of Publication

and numbered ..... in the

..... Court of Lea County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, once each week on the same day of the week, for one (1) consecutive weeks, beginning with the issue of

January 25, 19 91

and ending with the issue of

January 25, 19 91

And that the cost of publishing said notice is the sum of $ 43.50

which sum has been (Paid) (~~Assessed~~) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 28th day of January, 19 91

Mrs. Jean Henries
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 19 94

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal and modification applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P. 0. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-S800:

(GW-53) - Enron Gas Pipeline Operating Company, Larry Campbell Compliance Environmentalist, P. 0. Box 2018, Roswell, New Mexico 88201, has submitted a discharge plan modification application for the previously approved discharge plan for its Yates Plant located in the SW/4 Section 25, Township 18 South, Range 25 East, NMPM, Eddy County, New Mexico. The modification request consists of the addition of a controlled bio-remediation landfarm area in the southeast portion of the Yates plant property. Wastes proposed to be remediated at the landfarm are nonhazardous hydrocarbon contaminated soils from field operation mainline gas processing plants. The application addresses procedures to remediate contamination and prevention of possible offsite migration of contaminants. The uppermost ground water is at a depth of approximately 120 feet with a total dissolved solids concentration of approximateky 850 mg/l.

(CW-29) - Texaco USA, John H. Anderson, Operations Manager, P. Q. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Buckeye Gas Processing Plant located in NE/4 NE14, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico. Approximately 6000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 1300 mg/l is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 85 feet with a total dissolved solids concentration of approximately 520 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-3) - Texaco USA, John H. Anderson, Operations Manager, P. 0. Box 1650 Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eumce #l Gas Plant located in NW/4 SW/4 Section 27, Township 22 South, Range 37 East, NMPA, Lea County, New Mexico. Approximately 70,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7000 mg/l is discharged to a lined pond prior to final disposal in an OCD permitted Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 65 feet with a total dissolved solids concentration of approximately 1900 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-4) - Texaco USA, John H. Anderson, Operations Manager, P. 0. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eunice #2 Gas Plant located in NE/4 SE/4, Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7100 mg/l is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 1200 to 2600 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest. If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe,

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice Of Publication

and numbered ..... in the

..... Court of Lea County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, once each week on the same day of the week, for one (1) consecutive weeks, beginning with the issue of

January 25, 19 91

and ending with the issue of

January 25, 19 91

And that the cost of publishing said notice is the sum of $ 43.50

which sum has been (Paid) (~~Assessed~~) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 28th day of January, 19 91

Mrs. Jean Henries
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 19 94

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal and modification applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-S800:

(GW-53) - Enron Gas Pipeline Operating Company, Larry Campbell Compliance Environmentalist, P. O. Box 2018, Roswell, New Mexico 88201, has submitted a discharge plan modification application for the previously approved discharge plan for its Yates Plant located in the SW/4 Section 25, Township 18 South, Range 25 East, NMPM, Eddy County, New Mexico. The modification request consists of the addition of a controlled bio-remediation landfarm area in the southeast portion of the Yates plant property. Wastes proposed to be remediated at the landfarm are nonhazardous hydrocarbon contaminated soils from field operations and mainline gas processing plants. The application addresses procedures to remediate contamination and prevention of possible offsite migration of contaminants. The uppermost ground water is at a depth of approximately 120 feet with a total dissolved solids concentration of approximateky 850 mg/l.

(CW-29) - Texaco USA, John H. Anderson, Operations Manager, P. O. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Buckeye Gas Processing Plant located in NE/4 NE14, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico. Approximately 6000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 1300 mg/l is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 85 feet with a total dissolved solids concentration of approximately 520 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-3) - Texaco USA, John H. Anderson, Operations Manager, P. O. Box 1650 Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eumce #1 Gas Plant located in NW/4 SW/4 Section 27, Township 22 South, Range 37 East, NMPA, Lea County, New Mexico. Approximately 70,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7000 mg/l is discharged to a lined pond prior to final disposal in an OCD permitted Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 65 feet with a total dissolved solids concentration of approximately 1900 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-4) - Texaco USA, John H. Anderson, Operations Manager, P. O. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eunice #2 Gas Plant located in NE/4 SE/4, Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7100 mg/l is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 1200 to 2600 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest. If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January, 1991. To be published on or before January 25, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director

SEAL

Published in the Lovington Daily Leader January 25, 1991.

Affidavit of Publication

No. 13390

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 consecutive days weeks on the same day as follows:

First Publication January 24, 1991

Second Publication

Third Publication

Fourth Publication

Gary D. Scott

Subscribed and sworn to before me this 6th day of February 1991

Barbara Ann Evans

Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1991

Copy of Publication

LEGAL NOTICE

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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(GW-4) - Texaco USA, John H. Anderson, Operations Manager, P.O. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eunice #2 Gas Plant, located in NE/4 SE/4, Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7100 mg/1 is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 1200 to 2600 mg/1. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

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If no public hearing is held the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January, 1991. To be published on or before January 25, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s-William J. LeMay
WILLIAM J. LEMAY
Director

SEAL

Published in the Artesia Daily Press, Artesia, N.M. January 24, 1991.

Legal 13390

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications and renewal applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

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(GW-3) - Texaco USA, John H. Anderson, Operations Manager, P.O. Box 1850 Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eunice #1 Gas Plant located in NW/4 SW/4, Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 70,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7000 mg/l is discharged to a lined pond prior to final disposal in an OCD permitted Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 65 feet with a total dissolved solids concentration of approximately 1900 mg/l The discharge plan addresses how spills, leaks and other accidental discharges to the surfact will be managed.

STATE OF NEW MEXICO
County of Bernalillo ss

Thomas J. Smithson being duly sworn declares and says that he is National Advertising manager of the **Albuquerque Journal** , and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chaper 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for 1 times, the first publication being on the 23 day of Jan, 1991, and the subsequent consecutive publications on ....., 1991.

Thomas J. Smithson

OFFICIAL SEAL
Jeanette Duty
NOTARY PUBLIC
STATE OF NEW MEXICO

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this 23 day of Jan, 1991.

12-18-93

PRICE $44.54

Statement to come at end of month.

CLA-22-A (R-12/91) ACCOUNT NUMBER C81184

(GW-14) - Texaco USA, John H. Anderson, Operations Manager, P.O. Box 1650, Tulsa, Oklahoma 74102, has submitted an application for renewal of its previously approved discharge plan for its Eunice #2 Gas Plant located in NE/4 SE/4, Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7100 mg/l is disposed of at an OCD permitted offsite Class II disposal well. The uppermost groundwater at the plant site is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 1200 to 2600 mg/l The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conversation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapporve the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of January, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/William J. LeMay
Director

Journal: January 23, 1991

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

July 26, 1990

CERTIFIED MAIL
RETURN RECEIPT NO. P-918-402-302

Mr. J. H. Anderson
Manager of Operations
Texaco, Inc.
P. O. Box 1650
Tulsa, Oklahoma 74102

RE: Discharge Plan GW-29
Buckeye Gas Processing Plant
Lea County, New Mexico

Dear Mr. Anderson:

On January 16, 1986, the renewal of ground water discharge plan, GW-29 for the Texaco Buckeye Gas Processing Plant located in the NE/4 NE/4, Section 18, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, was approved by the Director of the Oil Conservation Division (OCD). This discharge plan renewal was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on January 16, 1991.

If your facility continues to have effluent or leachate discharges and you wish to continue discharging, please submit your application for renewal of plan approval as quickly as possible. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can often extend for several months. Please indicate whether you have made, or intend to make, any changes in your discharge system, and if so, include an application for plan amendment with your application for renewal. To assist you in preparation of your renewal application, I have enclosed a copy of the OCD's guidelines for preparation of ground water discharge plans at natural gas processing plants. These guidelines are presently being revised to include berming of tanks, curbing and paving of process areas susceptible to leaks or spills and the disposition of any solid wastes. Please include these items in your renewal application.

If you no longer have such discharges and discharge plan renewal is not needed, please notify this office.

Please note that all gas plants, refineries and compressor stations in excess of 25 years of age will be required to submit plans for, or the results of, an underground drainline testing program as a requirement for discharge plan renewal.

If you have any questions, please do not hesitate to contact Roger Anderson at (505) 827-5884.

Sincerely,

David G. Boyer, Hydrogeologist
Environmental Bureau Chief

DGB/sl

Enclosure

cc: OCD Hobbs Office
Ray Russell, Environmental Coordinator, Texaco, Tulsa

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

50 YEARS
1935 - 1985

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 21, 1986

Mr. Lewis Knight
Texaco USA
P.O. Box 3000
Tulsa, OK 74102

Dear Mr. Knight:

Last week in a letter to John Anderson I enclosed along with the discharge plan approval, the sample analyses for the Buckeye plant that we had received to date. The laboratory has now sent the final analyses which I am forwarding to you.

If you have any questions concerning the analyses or New Mexico ground water standards, please call me at (505) 827-5884.

Sincerely,

JAMI BAILEY,
Field Representative

JB/dp

Enc.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

50 YEARS
1935 - 1985

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 16, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John H. Anderson
Manager, Tulsa District
Texaco USA
P.O. Box 3000
Tulsa, OK 74102

Re: Discharge Plan (GW-29) for
Buckeye Gas Processing Plant,
Lea County, New Mexico

Dear Mr. Anderson:

The ground water discharge (GW-29) for the Texaco Buckeye Gas Processing Plant located in the NE/4 of the NE/4 of Section 1, Township 18 South, Range 34 East, Lea County, New Mexico, is hereby approved. The approved discharge plan consists of the plan dated June 25, 1985, and the materials dated October 8, 1985, November 5, 1985, November 12, 1985, December 10, 1985, and January 13, 1986, submitted as supplements to the discharge plan.

The discharge plan was submitted pursuant to Section 3-106 of the NM Water Quality Control Commission Regulations. It is approved pursuant to Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters which may be actionable under other laws and/or regulations.

There will be no routine monitoring or reporting requirements.

Please note that Section 3-104 of the regulations requires that "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C. you are required to notify the director of any facility expansion, production increase, or process modification that would result in any significant modification in the discharge of water contaminants.

Pursuant to Subsection 3-109.G.4, this plan approval is for a period of five years. This approval will expire January 15, 1991, and you should submit an application for new approval in ample time before that date. You are notified now that testing of all underground pipes will be required before renewal of the discharge plan can be considered.

On behalf of the staff of the Oil Conservation Division, I wish to thank you (and your staff and/or consultants) for your cooperation during this discharge plan review.

Sincerely,

R. L. STAMETS
Director

RLS/JB/dp

cc: OCD Hobbs District Office
EID - Surface Water Section

Texaco USA
P.O. Box 1137
Eunice NM 88231

January 13, 1986

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
State Land Building
Santa Fe, N.M. 87501

Attention: Jamie Bailey

Re: Texaco Inc.
Buckeye Gas Plant
Discharge Plan

Dear Ms. Bailey:

This letter is to confirm our telephone conversation January 13, 1986. As we discussed, repairs were initiated on the cooling tower at Buckeye G. P. as soon as could be arranged following your's and Mr. Boyer's visit November 22, 1985, in effort to comply with our discussions on methods to eliminate all cooling tower water from reaching the ground. The repairs were 90 to 95% effective toward our goal. However, during windy conditions some overspray of cooling tower water continues to reach ground level. These small amounts will be captured by a drainage system, accumulated in a buried fiberglass tank, then returned to the cooling tower. This should eliminate all ground water caused by the cooling tower overspray.

If I can be of further service in this matter, please call.

Sincerely Yours,
Texaco Producing, Inc.

C. R. Adkison
Area Plants Superintendent New Mexico

CRA/add
xc: JHA
ALB
LEK
File

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

P O Box 1650
Tulsa OK 74102
918 560 6705

December 10, 1985

Mr. R. L. Stamets, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

RE: Discharge Plan - Texaco
Buckeye Gas Processing Plant

Dear Mr. Stamets:

In response to a recent inspection at the above referenced plant by Ms. Jamie Bailey and Mr. David Boyer of your office, and a follow-up telephone request by Ms. Bailey that we confirm, in writing, the following:

1. Installation of a spare pump on the skimmer basin and,

2. Installation of a by-pass line from the discharge of the skimmer basin pumps to a 500bbl. temporary storage tank and,

3. Repair of cooling tower to prevent spray accumulations on the ground.

Items Numbers 1 and 2 have been completed. We have gone out for bids on the cooling tower repair work and expect completion of Item Number 3 by January 1986.

In addition, we would like to certify that in the unlikely occurrence of a catastrophic event that would dictate the use of the burn pit for material other than its intended use, we will immediately notify both the Hobbs and Santa Fe Oil Conservation Division Offices.

Should you have questions or need additional information, please do not hesitate to contact us.

Very truly yours,

John H. Anderson

JHA:LEK:wsh

CRA
ALB
LEK
GDW

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Field Supervisor
Ecological Services, USFWS
Post Office Box 4487
Albuquerque, New Mexico 87196

December 5, 1985

Mr. R. L. Stamets, Director
Oil Conservation Division
State of New Mexico
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Stamets:

We have reviewed the proposed discharge plan for GW-29, Texaco USA, Buckeye Gas Processing Plant, Lea County, New Mexico. The proposed discharge plan would eliminate an occasional discharge to an existing unlined flare pit. This change will remove a potential source of oil waste discharge exposure to migratory birds. We therefore encourage this change and have no objection to the discharge plan.

These comments represent the views of the Fish and Wildlife Service. Thank you for the opportunity to comment on the proposed plan. If you have any questions concerning our comments please contact Tom O'Brien at (505) 766-3966 or FTS 474-3966.

Sincerely yours,

John C. Peterson
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Director, New Mexico Health and Environment Department, Environmental Improvement Division, Santa Fe, New Mexico
Regional Administrator, Environmental Protection Agency, Dallas, Texas
Regional Director, FWS, Habitat Resources, Albuquerque, New Mexico

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY & MINERALS DEPT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission regulations, the following discharge plan (GW-29) has been submitted for approval to the Director of the Oil Conservation Division, P.O. Box 2088, State Land Office Building, Santa Fe, New Mexico 87504-2088 (505) 827-5800.

Texaco, USA, Buckeye Gas Processing Plant (NE/4, NE/4, Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, John Anderson, Authorized Agent; P.O. Box 1650, Tulsa, Oklahoma 74102, proposes to modify its existing facility by eliminating occasional discharges to an existing unlined flare pit from the concrete lined skimmer basin. These discharges, which could occur when the pump which directed effluent to a permitted Class II injection well was out of service, will be eliminated by installation of a second pump. Any emergency discharges will be directed to an above-ground steel tank for temporary storage. Plant liquid wastes are transported to the injection well via [illegible]. The waste water is composed of effluents from the cooling tower and process vessels. The waste water has a total dissolved solids concentration of 1300 mg/l. The ground water most likely to be affected is at a depth of approximately 85 feet with a total dissolved solids concentration of approximately 530 mg/l.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by an interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of November, 1985.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
S/R.S. STAMETS, Director

Journal, December 5, 1985

RECEIVED
SEP - 9 1986
OIL CONSERVATION DIVISION
SANTA FE

STATE OF NEW MEXICO
County of Bernalillo

THOMAS J. SMITHSON being duly sworn declares and says that he is NAT'L ADV. MGR the **Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for ....1.......... times, the first publication being on the ....5.... day of ....December...., 1985, and the subsequent consecutive publications on ...., 198......

Thomas J. Smithson

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this ....4.... day of ....September...., 1986

OFFICIAL SEAL
Connie Montoya
CONNIE MONTOYA
NOTARY PUBLIC NEW MEXICO
FILED WITH SECRETARY OF STATE
Expires 4-18-90

PRICE ....21.98....

Statement to come at end of month.

ACCOUNT NUMBER ....C 80932....

EDJ-15 (R-2/86)

11/26/85

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by an interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

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GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of November, 1985.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

R. L. STAMETS
Director

S E A L

Texaco Inc.
Buckeye Gas
Processing Plant
Discharge Plan
Published in Hobbs
paper December 4
Published in Albuquerque
paper December 5.

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

PO Box 3000
Tulsa OK 74102
918 560 6705

November 12, 1985

Mr. R. L. Stamets, Director
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: DISCHARGE PLAN: GW-2G
Texaco - Buckeye Gas Processing Plant
Lea County, New Mexico

Dear Mr. Stamets:

Attached are results of analyses from the above-referenced plant.

Should you have questions, please do not hesitate to contact us.

Very truly yours,

JHA:klb

Attachment

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

PO Box 3000
Tulsa OK 74102
918 560 6705

November 5,1985

Mr. R. L. Stamets, Director
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

RE: DISCHARGE PLAN: GW-2G
Texaco - Buckeye Gas Processing Plant
Lea County

Dear Mr. Stamets:

In a recent telephone conversation between your Ms. Jami Bailey and L. E. Knight, additional information/clarification was requested. Listed below are our responses to those questions asked.

GENERAL

8. Dike construction around slop oil tankage is complete. There are valves on each end of the site glass on the slop tank.

9. Solid wastes are hauled off site by Waste Control of New Mexico out of Hobbs.

In addition, we wish to correct some information sent to you earlier. Cooling tower blowdown does not enter the skimmer basin, but actually enters the discharge line of the skimmer sump pump which sends the water directly to the water flood operations.

ANALYSES

Analysis of requested sources are included in Attachment No. 1.

We hope this has answered your questions. However, should you need additional information, please feel free to contact me or Lewis Knight at any time.

Very truly yours,

JHA:klb

Attachment

CRA w/att.
LEK w/att.
GDW
WEI

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☑ Telephone ☐ Personal	Time 10AM	Date 10/18/85

Originating Party	Other Parties
Jami Bailey	Louis Knight - Environmental Engineer (918) 560-6331

Subject: Proposed Discharge Plan Texaco - Buckeye Gas Processing Plant Lea County - GW-29

Discussion

1. Requested name of contract hauler + ultimate disposal location of solid waste.
2. Requested info on valves at sight glass at 250 bbl slop oil tank.
3. Requested date for analyses. Effluent analyses should be submitted to us within the week.
4. Re Burn Pit: The figures given in letter dated 10/8/85 were worst case. Really, calculated flow to pit was 0.02 gpm, + of the 2 times he saw the pit, the 1st time it was dry, + the 2nd time it had only small puddles in the bottom. I asked about willingness to line the pit, + he readily suggested using a fiberglass tank, such as they use at all new plants + in Texas.

Conclusions or Agreements

He will check on status of effluent analyses, availability of tank. I will advertise as soon as analyses are submitted.

Distribution: File, D. Boyer

Signed: Jami Bailey

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12/02/85	LAB NO. WC 5266	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11/22/85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0928		Collection site description: Tap AT PLANT WATER WELL	
Collected by — Person/Agency: BAILEY / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/well code:

Owner:

SAMPLING CONDITIONS

☐ Bailed ☐ Pump ☐ Dipped ☒ Tap	Water level	Discharge	Sample type
pH (00400)	Conductivity (Uncorrected) 455 µmho	Water Temp. (00010) 19 °C	Conductivity at 25°C (00094) µmho

Field comments: EST [illegible]

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1	☐ NF: Whole sample (Non-filtered)	☒ F: Filtered in field with 0.45 µmembrane filter	☐ A: 2 ml H_2SO_4/L added

☒ NA: No acid added ☐ Other-*specify*:

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	786	µmho	12/18
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	8.01		12/18
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	100.0	mg/l	12/30
☒ Magnesium (00925)	17.1	mg/l	"
☒ Sodium (00930)	39.9	mg/l	"
☒ Potassium (00935)	39.0	mg/l	"
☒ Bicarbonate (00440)	186.3	mg/l	12/18
☒ Chloride (00940)	136.6	mg/l	1/10
☒ Sulfate (00945)	27.2	mg/l	12/31
☒ Total filterable residue (dissolved) (70300)	528	mg/l	12/17
☒ Other: B	0.08		1/10

NF, A-H_2SO_4		Units	Date analyzed
☐ Nitrate-N+, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4		Units	Date analyzed
☐ Nitrate-N+, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	1/14/86	[signature]

Laboratory remarks:

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12 02 85	LAB NO WC-5274	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11 22 85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0928		Collection site description: TAP AT PLANT WATER WELL	
Collected by — Person/Agency: BAILEY / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☒ Tap	Water level	Discharge	Sample type
pH (00400) 6.6	Conductivity (Uncorrected) 455 µmho	Water Temp. (00010) 19 °C	Conductivity at 25°C (00094) µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** 2 ml H_2SO_4/L added

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☐ Other:		
☐ Other:		
☐ Other:		

F, NA	Units	Date analyzed
☒ Calcium (00915)	mg/l	
☐ Magnesium (00925)	mg/l	
☐ Sodium (00930)	mg/l	
☐ Potassium (00935)	mg/l	
☐ Bicarbonate (00440)	mg/l	
☐ Chloride (00940)	mg/l	
☐ Sulfate (00945)	mg/l	
☐ Total filterable residue (dissolved) (70300)	mg/l	
☐ Other:		

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☒ Nitrate-N +, Nitrate-N dissolved (00631)	1.82	mg/l	12/9
☒ Ammonia-N dissolved (00608)	< 0.10	mg/l	12/4
☒ Total Kjeldahl-N ( )	0.31	mg/l	12/9
☐ Other:			

Analyst	Date Reported	Reviewed by
	12 10 85	

Laboratory remarks

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PN

~~GENERAL WATER CHEMISTRY and NITROGEN~~ Heavy Metal ANALYSIS

DATE RECEIVED 12 02 85	LAB NO. HM-1968	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11 22 85	SITE INFORM-ATION ►	Sample location Texaco Buckeye Plant	
Collection TIME 0928		Collection site description FAUCET AT PLANT WATER WELL	
Collected by — Person/Agency BAILEY / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Pump ☐ Dipped ☒ Tap	Water level	Discharge	Sample type
pH (00400) 6.6	Conductivity (Uncorrected) 455 µmho	Water Temp. (00010) 19 °C	Conductivity at 25°C (00094) µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

~~☐ NP.~~ Whole sample (Non-filtered)

☒ F: Filtered in field with 0.45 µmembrane filter

☒ A: ~~2 ml H_2SO_4~~ HNO_3 /L added 4 ml Foaming

~~☒ NA: No acid added~~ ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3	Units	Date analyzed	F, NA	Units	Date analyzed
☒ ~~Conductivity (Corrected) 25°C~~ (00095)	µmho		☐ Calcium (00915)	mg/l	
☒ ~~Total non-filterable residue (suspended)~~ (00530)	mg/l		☐ Magnesium (00925)	mg/l	
☒ Other: ICAP			☐ Sodium (00930)	mg/l	
☒ Other: ~~As~~ As			☐ Potassium (00935)	mg/l	
☒ Other: Se			☐ Bicarbonate (00440)	mg/l	
			☐ Chloride (00940)	mg/l	
			☐ Sulfate (00945)	mg/l	
			☐ Total filterable residue (dissolved) (70300)	mg/l	
			☐ Other:		

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)	mg/l	
☐ Ammonia-N total (00610)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l	
☐ Total organic carbon ( )	mg/l	
☐ Other:		
☐ Other:		

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst	Date Reported	Reviewed by
	12 18 85	Jim Ashley

Laboratory remarks: digested

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: H 1968

Sample Code: Tejaco Buckeye Plant

Date Submitted: 11/22/85

Date Analyzed: 12/16/85

By: Bailey

Reviewed By: Jim Bailey

Date Reported: 12/18/85

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	0.1	
Cadmium	<0.1	
Calcium	87.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	16.	
Manganese	0.12	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	12.	
Silver	<0.1	
Strontium	0.9	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		

PRIORITY III

85-1169-C

STATE OF NEW MEXICO
ENVIRONMENT

IC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

PHONE(S): 827-5812

S.L.D. No.: OR-1169-A,B
DATE REC. : 12/02/85
SLD PRIORITY #: 3

USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | |

COLLECTED: 11/22/85 (DATE) - 09:28 (TIME) BY DB (INITIALS)
CODE: 8|5|1|1|2|2|0|9|2|8|DB| (Y Y M M D D H H M M I I I)

SOURCE: PLANT WATER WELL
CODE: | | | + | | | + | | | | | (AQUIFER DEPTH)

NEAREST CITY: HOBBS
CODE: | | | | | |

LOCATION: TEXACO BUCKEYE PLANT
CODE: | | | | | | | | | | (TOWNSHIP RANGE SECTION TRACTS)

pH= 6.6 ; Conductivity= 455 umho/cm at 19 °C; Chlorine Residual= _____
Dissolved Oxygen= _____ mg/l; Alkalinity= _____; Flow Rate= _____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
TAP AT WELL

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jamie Bailey
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from _____
to _____ at (location) _____ on
___/___/___ - ___:___ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
___/___/___ - ___:___ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 1169

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
~~X~~	~~X~~	~~ALIPHATIC HYDROCARBON SCREEN~~			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom purg. screen	none detected		
		* DETECTION LIMIT	2 ug/l

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes___ NO X. Seal(s) broken by:_____ date:_____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Dec 85. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12/02/85 | LAB NO. UC 5269 | USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE 11/22/85 | Collection TIME 0912 | Collected by — Person/Agency

SITE INFORMATION ►

Sample location: Texaco Buckeye Plant

Collection site description: COOLING TOWER PUMP RECYCLE PIT

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400) 6.7	Conductivity (Uncorrected) 790 µmho	Water Temp. (00010) 16 °C	Conductivity at 25°C (00094) µmho

Field comments: CHROMATES USED AS BIOCIDE

SAMPLE FIELD TREATMENT — *Check proper boxes*

OR

No. of samples submitted: 1

~~☒ NF: Whole sample (Non-filtered)~~ ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: ~~24ml H_2SO_4 added~~

☒ NA: No acid added ☐ Other-*specify:* Filtered 0.45µ

Est Con. cond 962

ANALYTICAL RESULTS from SAMPLES

~~NF~~, NA		Units	Date analyzed	~~F, NA~~ (F, NA)		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	2245	µmho	12/12	☒ Calcium (00915)	272.0	mg/l	12-30
				☒ Magnesium (00925)	58.6	mg/l	"
				☒ Sodium (00930)	107.1	mg/l	"
				☒ Potassium (00935)	9.75	mg/l	"
				☒ Bicarbonate (00440)	68.6	mg/l	12/18
				☒ Chloride (00940)	396.0	mg/l	1/10
				☒ Sulfate (00945)	444	mg/l	12/31
☐ Total non-filterable residue (suspended) (00530)		mg/l		☒ Total filterable residue (dissolved) (70300)	1748	mg/l	12/23
☒ Other: pH	7.21		12/18	☒ Other: B	0.26		1/10
☐ Other:							
☐ Other:							

NF, A-H_2SO_4				F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l		☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N total (00610)		mg/l		☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l		☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l		☐ Other:			
☐ Total organic carbon ( )		mg/l					
☐ Other:							
☐ Other:							

Analyst	Date Reported	Reviewed by
	1/14/86	

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12/02/85	LAB NO. WC-5275	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11/22/85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0912		Collection site description: COOLING TOWER PUMP RECYCLE PIT	
Collected by — Person/Agency: Bailey/OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/ well code
Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Pump ☒ Dipped ☐ Tap	Water level	Discharge	Sample type
pH (00400) 6.7	Conductivity (Uncorrected) 790 µmho	Water Temp. (00010) 16 °C	Conductivity at 25°C (00094) µmho

Field comments: CHROMATES USED AS BIOCIDE

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** 2 ml H_2SO_4/L added

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☐ Other:		
☐ Other:		
☐ Other:		

F, NA	Units	Date analyzed
☐ Calcium (00915)	mg/l	
☐ Magnesium (00925)	mg/l	
☐ Sodium (00930)	mg/l	
☐ Potassium (00935)	mg/l	
☐ Bicarbonate (00440)	mg/l	
☐ Chloride (00940)	mg/l	
☐ Sulfate (00945)	mg/l	
☐ Total filterable residue (dissolved) (70300)	mg/l	
☐ Other:		

NF, A-H_2SO_4		
☐ Nitrate-N +, Nitrate-N total (00630)	mg/l	
☐ Ammonia-N total (00610)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l	
☐ Total organic carbon ( )	mg/l	
☐ Other:		
☐ Other:		

F, A-H_2SO_4			
☒ Nitrate-N +, Nitrate-N dissolved (00631)	5.25	mg/l	12/9
☒ Ammonia-N dissolved (00608)	< 0.10	mg/l	12/4
☒ Total Kjeldahl-N ( )	0.64	mg/l	12/9
☐ Other:			

Analyst	Date Reported	Reviewed by
	12/10/85	[signature]

Laboratory remarks

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PN

~~GENERAL WATER CHEMISTRY~~ and ~~NITROGEN~~ ANALYSIS

Heavy metal

DATE RECEIVED 12 02 85	LAB NO. HM 1965	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11 22 85	SITE INFORM-ATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0912		Collection site description: COOLING TOWER PUMP RECYCLE PIT	
Collected by — Person/Agency			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

RECEIVED
JAN 9 1986
OIL CONSERVATION DIVISION
SANTA FE

Station/ well code
Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Pump ☒ Dipped ☐ Tap	Water level	Discharge	Sample type
pH (00400) 6.7	Conductivity (Uncorrected) 790 µmho	Water Temp. (00010) 16 °C	Conductivity at 25°C (00094) µmho

Field comments: CHROMATES USED AS BIOCIDE

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☒ ~~NF:~~ Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☒ ~~A:~~ ~~2 ml 1:1 H_2SO_4~~ HNO_3 added 4ml Formisy

☒ ~~NA: No acid added~~ ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A	Units	Date analyzed
☒ ~~Conductivity (Corrected) 25°C (00095)~~	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: ICAP		
☒ Other: ~~Pb~~ As		
☒ Other: Se		

F, NA	Units	Date analyzed
☐ Calcium (00915)	mg/l	
☐ Magnesium (00925)	mg/l	
☐ Sodium (00930)	mg/l	
☐ Potassium (00935)	mg/l	
☐ Bicarbonate (00440)	mg/l	
☐ Chloride (00940)	mg/l	
☐ Sulfate (00945)	mg/l	
☐ Total filterable residue (dissolved) (70300)	mg/l	
☐ Other:		

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)	mg/l	
☐ Ammonia-N total (00610)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l	
☐ Total organic carbon ( )	mg/l	
☐ Other:		
☐ Other:		

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst	Date Reported	Reviewed by
	12 31 85	Jim Ashley

Laboratory remarks: digested

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

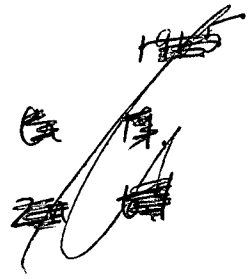
Lab Number: #M1965 Sample Code: Texaco Buckeye Plant

Date Submitted: 11/22/85 Date Analyzed: 12/16/85

By: Boyer Reviewed By: Jim Ashby

Date Reported: 12/31/85

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	0.3	
Berylium	<0.1	
Boron	0.2	
Cadmium	<0.1	
Calcium	280.	
Chromium	19.	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	47.	
Manganese	0.41	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	28.	
Silver	<0.1	
Strontium	2.7	
Tin	<0.1	
Vanadium	<0.1	
Zinc	6.4	
Arsenic		0.011
Selenium		<0.005
Mercury		



PRIORITY III

85-1162-C

STATE OF NEW MEXICO
ENVIRONMENT

ITIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501
PHONE(S): 827-5812

S.L.D. No.: OR-11162-17,B
DATE REC. : 12/02/85
SLD PRIORITY #: 3

USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | |

COLLECTED: 85/11/22 - 09:12 BY DB/GR
DATE TIME INITIALS
CODE: |8|5|1|1|2|2|0|9|1|2|DB|
Y Y M M D D H H M M I I I

SOURCE: COOLING TOWER PUMP RECYCLE PIT
CODE: | | | + | | | + | | | | |
AQUIFER DEPTH

NEAREST CITY: HOBBS
CODE: | | | | | |

LOCATION: TEXACO BUCKEYE PLANT
CODE: | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTS

pH= 6.7 ; Conductivity= 790 umho/cm at 16 °C; Chlorine Residual= _____
Dissolved Oxygen= _____ mg/l; Alkalinity= _____ ; Flow Rate= _____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

Chromates used as biocide

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Dave Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from _____
to _____ at (location) _____ on
___/___/___ - ___ : ___ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____
_____

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
___/___/___ - ___ : ___ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 1162

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
~~X~~	~~X~~	~~ALIPHATIC HYDROCARBON SCREEN~~			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom. purg. screen	none detected		
		* DETECTION LIMIT	1 ug/L

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes___ NO X. Seal(s) broken by:_____ date:_____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Dec 85. Analyst's signature: G. Finney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K. Meyerhen

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12/02/85	LAB NO. WC-5265	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11/22/85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0915		Collection site description: FLARE PIT	
Collected by — Person/Agency: BAILEY/OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/well code:

Owner:

SAMPLING CONDITIONS

☒ Bailed ☐ Pump ☐ Dipped ☐ Tap	Water level	Discharge	Sample type
pH (00400) 7.8	Conductivity (Uncorrected) 2250 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) µmho

Field comments: Sample from west shore by drain pipes from skimmer pit. Receives upset from skimmer pit every 3-4 mos., and flare condensate.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1	☐ NF: Whole sample (Non-filtered)	☒ F: Filtered in field with ~~0.45 µmembrane filter~~	~~☒ A: 2 ml H_2SO_4/L added~~ 3094 ef
☒ NA: No acid added	☐ Other-*specify*: Pre filter only		

ANALYTICAL RESULTS from SAMPLES

F, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	6063	µmho	12/18
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	7.76		12/18
☐ Other:			
☐ Other:			

~~F, A-H2SO4~~ F, NA		Units	Date analyzed
☒ Calcium (00915)	97.8	mg/l	12-30
☒ Magnesium (00925)	19.0	mg/l	"
☒ Sodium (00930)	851	mg/l	"
☒ Potassium (00935)	11.31	mg/l	"
☒ Bicarbonate (00440)	1075.2	mg/l	12/18
☒ Chloride (00940)	1421.4	mg/l	1/10
☒ Sulfate (00945)	353	mg/l	12/31
☒ Total filterable residue (dissolved) (70300)	2,913	mg/l	12/17
☒ Other: B	1.19		1/10

NF, A-H_2SO_4		Units	Date analyzed
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4		Units	Date analyzed
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	1/14/86	[signature]

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 12/02/85	LAB NO UC-5382	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11/22/85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0945		Collection site description: FLARE PIT	
Collected by — Person/Agency: BAILEY/ OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400) 7.8	Conductivity (Uncorrected) 2250 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) µmho

Field comments: Sample from west shore, by drain pipes from skimmer pit. Receives upset from skimmer pit every 3-4 mos., and flare condensate.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with ~~0.45 µ membrane filter~~ Pre Filter ☒ A: 2 ml H_2SO_4/L added

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF. NA		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F. NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF. A-H_2SO_4

☐ Nitrate-N + , Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F. A-H_2SO_4

☒ Nitrate-N + , Nitrate-N dissolved (00631)	1.67	mg/l	12/31
☒ Ammonia-N dissolved (00608)	266	mg/l	12/4
☒ Total Kjeldahl-N ( )	255	mg/l	1/14
☐ Other:			

Analyst	Date Reported	Reviewed by
	1/14/86	

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID. GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PN

~~GENERAL WATER CHEMISTRY~~ Heavy Metal and NITROGEN ANALYSIS

DATE RECEIVED 12 02 85	LAB NO. HM-1964	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 11 22 85	SITE INFORMATION ►	Sample location: Texaco Buckeye Plant	
Collection TIME 0945		Collection site description: FLARE PIT	
Collected by — Person/Agency: BAILEY/OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

RECEIVED
JAN 13 1986
OIL CONSERVATION DIVISION
SANTA FE

Station/ well code:

Owner:

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level:	Discharge:	Sample type:
pH (00400): 7.8	Conductivity (Uncorrected): 2250 µmho	Water Temp. (00010): 11 °C	Conductivity at 25°C (00094): µmho

Field comments: Sample from west shore, big drain pipes from skimmer pit. Receives upset from skimmer pit every 3-4 mos., acid flare condensate.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

~~☐ NF: Whole sample (Non-filtered)~~ ☒ F: Filtered in field with 0.45 µ membrane filter ☒ A: ~~2 ml H_2SO_4/L~~ HNO_3 added 4 ml Foaming

~~☐ NA: No acid added~~ ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF~~ NA F, A HNO_3	Units	Date analyzed	F, NA	Units	Date analyzed
~~☐ Conductivity (Corrected) 25°C (00095)~~	µmho		☐ Calcium (00915)	mg/l	
☐ Total non-filterable residue (suspended) (00530)	mg/l		☐ Magnesium (00925)	mg/l	
☒ Other: ICAP			☐ Sodium (00930)	mg/l	
☒ Other: ~~pH~~ As			☐ Potassium (00935)	mg/l	
☐ Other: Se			☐ Bicarbonate (00440)	mg/l	
			☐ Chloride (00940)	mg/l	
			☐ Sulfate (00945)	mg/l	
			☐ Total filterable residue (dissolved) (70300)	mg/l	
			☐ Other:		

NF, A-H_2SO_4	Units	Date analyzed	F, A-H_2SO_4	Units	Date analyzed
☐ Nitrate-N +, Nitrate-N total (00630)	mg/l		☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N total (00610)	mg/l		☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l		☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l		☐ Other:		
☐ Total organic carbon ( )	mg/l				
☐ Other:					
☐ Other:					

Analyst	Date Reported	Reviewed by
	12 31 85	Jim Ashby

Laboratory remarks: Digested

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: HM1964 Sample Code: Texaco Buck. Plant

Date Submitted: 11/22/85 Date Analyzed: 12/16/85

By: Bailey Reviewed By: Jim Bailey

Date Reported: 12/31/85

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	1.2	
Berylium	<0.1	
Boron	0.6	
Cadmium	<0.1	
Calcium	77.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	0.3	
Lead	<0.1	
Magnesium	19.	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	1.1	
Silver	<0.1	
Strontium	0.7	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		0.037
Selenium		<0.005
Mercury		

PRIORITY III

85-1163-C

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

PHONE(S): 827-5812

S.L.D. No.: OR-1163-A,B
DATE REC. : 12-02-85
SLD PRIORITY #: 3

USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____

SAMPLE TYPE CODE: | | |

COLLECTED: 11/22/85 - 09:45 BY DB
DATE TIME INITIALS

CODE: |8|5|1|1|2|2|0|9|4|5|DB|
Y Y M M D D H H M M I I I

SOURCE: ~~TEXACO~~ FLARE PIT

CODE: | | | + | | | + | | | | |
AQUIFER DEPTH

NEAREST CITY: HOBBS

CODE: | | | | | |

LOCATION: TEXACO BUCKEYE PLANT

CODE: | | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTS

pH= 7.8 ; Conductivity= 2250 umho/cm at 11 °C; Chlorine Residual= _____

Dissolved Oxygen= _____ mg/l; Alkalinity= _____; Flow Rate= _____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

West shore by drain pipes from skimmer pit. Receives upset from skimmer pit every 3-4 months, acid flare condensate.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jami Bailey

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____

Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from _____

to _____ at (location) _____ on

___/___/___ - ___ : ___ and that the statements in this block are correct.
DATE AND TIME

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

(we) certify that this sample was transferred from _____

to _____ at (location) _____ on

___/___/___ - ___ : ___ and that the statements in this block are correct.
DATE AND TIME

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

ANALYSES REQUESTED

LAB. NO.: ORG- 1163

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
benzene	5700		
toluene	6300		
ethylbenzene	190		
p-xylene	200		
m-xylene	750		
o-xylene	400		
		* DETECTION LIMIT	50 ug/m/L

REMARKS: Three other compounds were detected by the aromatic screen that were not identified.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ___ NO X. Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Dec 85. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

PO Box 3000
Tulsa OK 74102
918 560 6705

October 8, 1985

Mr. R. L. Stamets, Director
Energy Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: PROPOSED DISCHARGE PLAN
TEXACO-BUCKEYE GAS PROCESSING PLANT
LEA COUNTY, NEW MEXICO GW-2G

Dear Mr. Stamets:

Listed below are our responses to those questions, comments or requests for additional clarifying information in your July 23, 1985 letter regarding the above-referenced proposed Discharge Plan.

1. Topographic map of plant site is enclosed.

2. All available information on plant water well is enclosed.

3. Domestic sanitary waste is not commingled with non-domestic wastes. There is no laboratory at the plant. The septic tank is located East of the office (See enclosed underground line map).

4. Copy of the latest flow sheet enclosed.

5. Copy of the underground piping layout is enclosed. All tanks, except the septic tank are above ground. All underground piping is carbon steel, and is approximately 20 years old.

6. A formal SPCC Plan is not required at this plant. The plant has never had a reportable leak, however, should one occur, we would follow the reporting procedure as outlined in Rule 116.

7. See Attachment No. 1.

8. Dikes around tankage containing oily materials are in place or are being constructed to prevent any flow off plant property. Flow to the process area is prevented due to it being higher than the surrounding plant area.

9. Solid wastes are hauled off site by a contract hauler.

BURN PIT

1. Normal flow to this pit is the condensed water from the flare header. In emergency situations, water from the skimmer basin can be directed to the pit. This would only occur if the skimmer pump was out of service. The volume of water going to the pit is estimated to be less than 0.1 gpm (by calculation).

2. Plot plan shows pit to be 80'x 80'x 6'.

3. Materials are hauled off by Rowland Trucking to Parabo for disposal. Based on calculations, accumulation in pit, counting rainfall, would be approximately 26,280 gallons of water prior to hauling.

4. There is no diversion from the pit. Rainfall is held totally within the pit.

5. See attached topographic map.

6. The only time that any materials can be directed to the burn pit is when the skimmer basin pump is out of service. Past experience indicates that this has happened less than once per year.

CONCRETE SKIMMER BASIN

1. Overall dimensions of the skimmer basin are 10'x 6'x 5.5' (LXWXD).

2. Water from the skimmer is sent to Texaco's waterflood operations at approximately 10 gpm on a continuous basis. Oil from skimmer operations is pumped to the slop oil tank.

3. Any produced water coming into the plant goes to the skimmer for separation. It is then pumped to waterflood operations. The wet regeneration gas from the dehydrators is returned to the compressor second stage suction.

4. Rainfall runoff bypasses the skimmer due to concrete walls about 10" above grade.

5. See attached plot plan.

6. With skimmer overflow valve closed, the skimmer surge volume is about 2,900 gallons. Overflow potential, even during a heavy rain, is nil.

7. Average flow rate to the skimmer is less than 10 gpm.

HYDROLOGY

1. Analyses are forthcoming.

2. Water from skimmer is sent to a waterflood operation. There should be no shut-ins for this type of operation.

We hope this has answered your questions concerning the referenced Discharge Plan. Should you have further questions or require clarification, please feel free to call or write at anytime.

In addition, we request an extension of the 240 day time limit for the issuance of a Discharge Plan as referenced by Ms. Jami Bailey's telephone conversation with me on October 4, 1985.

Very truly yours,

JHA:LEK:lt

Attachments

WEI
CRA
LEK
GDW

185, 2345

PLANT SITE DESCRIPTION BY METES AND BOUNDS:

A tract of land located in the Southeast Quarter of the Southeast Quarter (SE¼SE¼) and the Southwest Quarter of the Southeast Quarter (SW¼SE¼) of Section 36, Township 17 South, Range 34 East of the N.M.P.M., and in the Northeast Quarter of the Northeast Quarter (NE¼NE¼) and the Northwest Quarter of the Northeast Quarter (NW¼NE¼) of Section 1, Township 18 South, Range 34 East of the N.M.P.M., Lea County, New Mexico, beginning at a point on the South line of said Section 36, N. 89°-49' W., 579.4 feet from the Southeast corner of said Section 36 (a standard G.L.O. Rock corner, marked and in place); Thence N. 0° 11' W., 425 feet; Thence S. 89° 49' W., 1,161.6 feet; Thence S. 0° 11' E., 925 feet; Thence S. 88° 03' 50" E., 1,162.4 feet; Thence N. 0° 11' W., 443 feet to the point and place of beginning describing 22.57 acres, more or less.

SURFACE OWNERSHIP AND ACREAGE BY SECTION SUBDIVISION:

Subdivision	Section	Township	Range	Acreage	Owner
SE¼SE¼	36	17 S	34 E	7.236	State of New Mex.
SW¼SE¼	36	17 S	34 E	4.098	State of New Mex.
NE¼NE¼	1	18 S	34 E	7.308	State of New Mex.
NW¼NE¼	1	18 S	34 E	3.932	State of New Mex.

L E G E N D:

o	Standard G. L. O. B. C. Corner (Section Marker)
⊙	Standard G. L. O. Rock Corner (Section Marker)
————	Tract Boundary Line
Scale:	1 inch = 200 feet

CERTIFICATE OF SURVEY:

I, John W. Shearman hereby certify that I am the Registered Land Surveyor who prepared the above plat of survey from field notes of actual surveys made by me and that the same are true and correct to the best of my knowledge and belief.

John W. Shearman
Registered Land Surveyor No. 1539

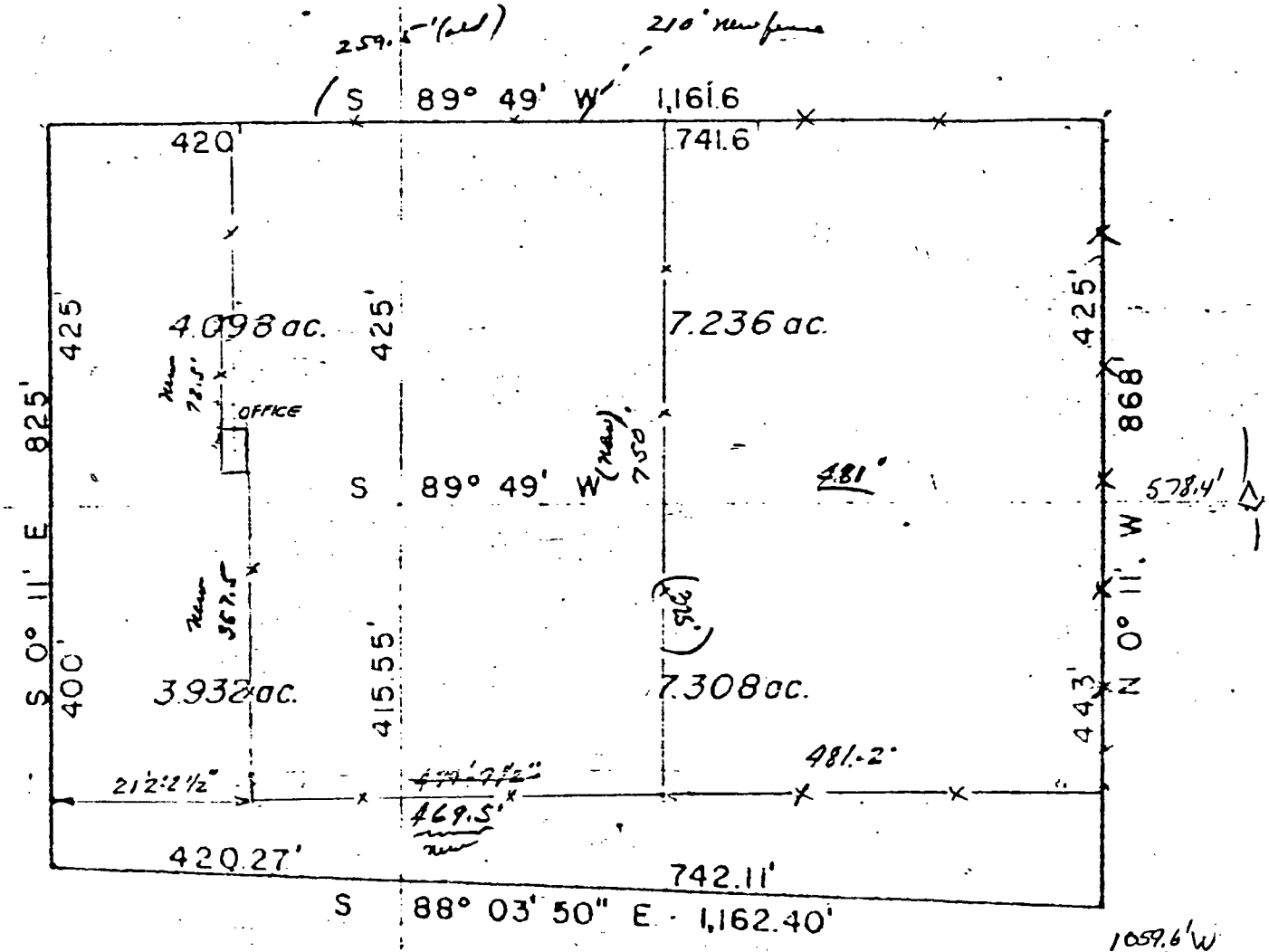
Date of Survey:
November 12, 1963

JOHN W. SHEARMAN
NEW MEXICO

Leisse Scharbauer Cattle Co
Owner State NM

N NATL
IS 1039.
NE C.

T17S R34E



1059.6'W
325'S
OF NE
CORNER OF
SEC 1 T18S R34E

T18S R34E

N NAT'L TAKE POINT
IS 1039.6'W &
325'S OF
NE CORNER OF
SEC 1 T18S R34E

T 18 S R 34 E

Owner State of New Mexico

ITEM NO.	QUANTITY	DESCRIPTION
200	1	Office, Laboratory, and Warehouse
2[illegible]	1	Compressor Building
2[illegible]	1	Central Control Room
2[illegible]	1	Generator Building
[illegible]	1	Recompressor
4[illegible]	2	Gas Compressors (Existing)
3[illegible]	1	Starting Air Compressor (Existing)
400	1	Process Cooling Tower
500	1	Heating Medium Heater
502	1	Regeneration Gas Heater
[illegible]00	2	Primary Generators
[illegible]	1	Amine Exchanger
60[illegible]	2	Amine Cooler
[illegible]	1	Amine Regenerator Condenser
60[illegible]	1	Amine Regenerator Reboiler
60[illegible]	2	3rd. Stage Discharge Cooler
60[illegible]	1	Inlet Gas-Residue Gas Exchanger
60[illegible]	1	Inlet Gas-Raw Product Exchanger
60[illegible]	1	Gas Chiller
60[illegible]	2	Deethanizer Preheater
60[illegible]	1	Deethanizer Reboiler
611	1	Deethanizer Condenser
612	1	Rectifier Condenser
613	1	Deethanizer Overhead Exchanger
614	1	Depropanizer Condenser
615	1	Depropanizer Reboiler
616	1	Debutanizer Condenser
617	1	Debutanizer Reboiler
618	1	Amine Reclaimer
619	1	Water Makeup Generator
620	3	Debutanizer Feed Exchanger
621	1	Debutanizer Feed Cooler
622	3	Propane Coolant Cooler
623	1	Regeneration Gas Exchanger
1101	1	Amine Contactor and Scrubber
1102	1	Amine Regenerator
1103	1	Amine Regenerator Reflux Accumulator
1104	1	Glycol Contactor
1105	1	Raw Product Surge Tank
1106	1	Refrigerant Suction Separator
1107	1	Heat Medium Surge Tank
1108	1	Deethanizer
1109	1	Rectifier
1110	1	Rectifier Reflux Accumulator
1111	1	Depropanizer
1112	1	Depropanizer Reflux Accumulator
1113	1	Debutanizer
1114	1	Debutanizer Reflux Accumulator
1115	1	Glycol Separator
1116	1	Debutanizer Feed Perco Treater
1117	2	Propane Mol Sieve Tower
1118	1	Slop Oil Flash Tank
1119	1	Instrument Air Receiver
1201	2	Amine Pumps
1202	2	Amine Regenerator Reflux Pump
1203	2	Heating Medium Circulation Pump
1204	2	Glycol Pump
1205	2	Deethanizer Reflux
1206	1	Rectifier Reflux
1207	2	Depropanizer Reflux
1208	1	Debutanizer Reflux
1209	1	Propane Loading
1210	1	Butane Loading
1211	1	Gasoline Loading
1212	2	Cooling Water Circulation
1213	1	2nd. Stage Condensate Pump
1214	1	Slop Oil Pump
1215	1	Sewage and Transfer Pump
1216	1	Fire Water Pump
1217	1	Utility and Domestic Water
1218	2	Glycol Circulating Pump
1219	2	Water Make-up
1301	3	Propane Storage
1302	2	Butane Storage
1303	2	Gasoline Storage
1304	1	Waste Oil Storage
1305	1	Raw Water Storage
1401	1	Refrigeration Unit (Including Compressor, Condenser & Economizer)
1402	1	Glycol Regenerator
1403	1	Instrument Air Dehydrator
1404	1	Glycol Contactor
1405	1	Amine Filter

DATA FROM HUDSON DWG A-10

TITLE PLOT PLAN

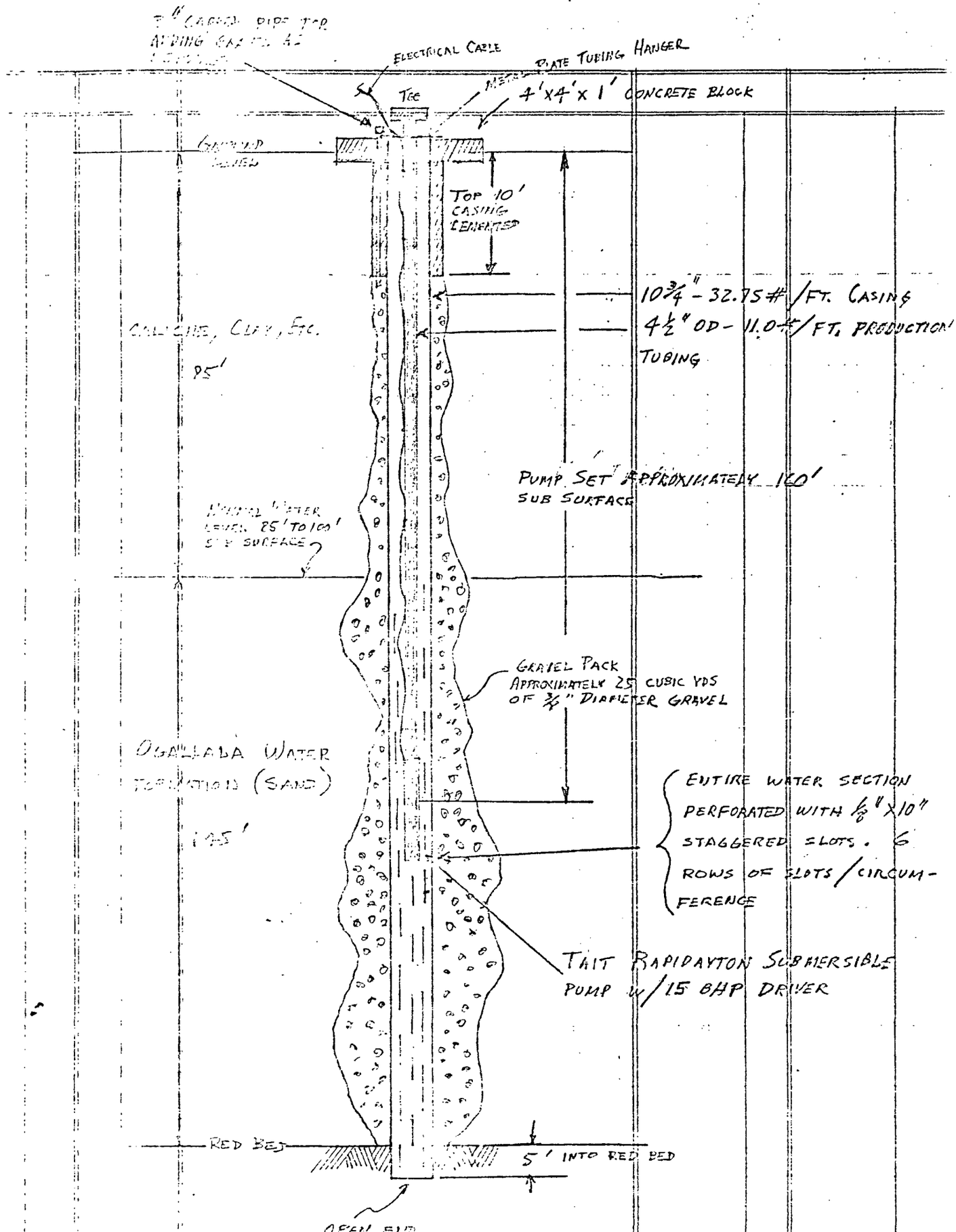
BUCKEYE PROCESSING PLANT - LEA COUNTY, N.M.

FOR TEXACO INC.

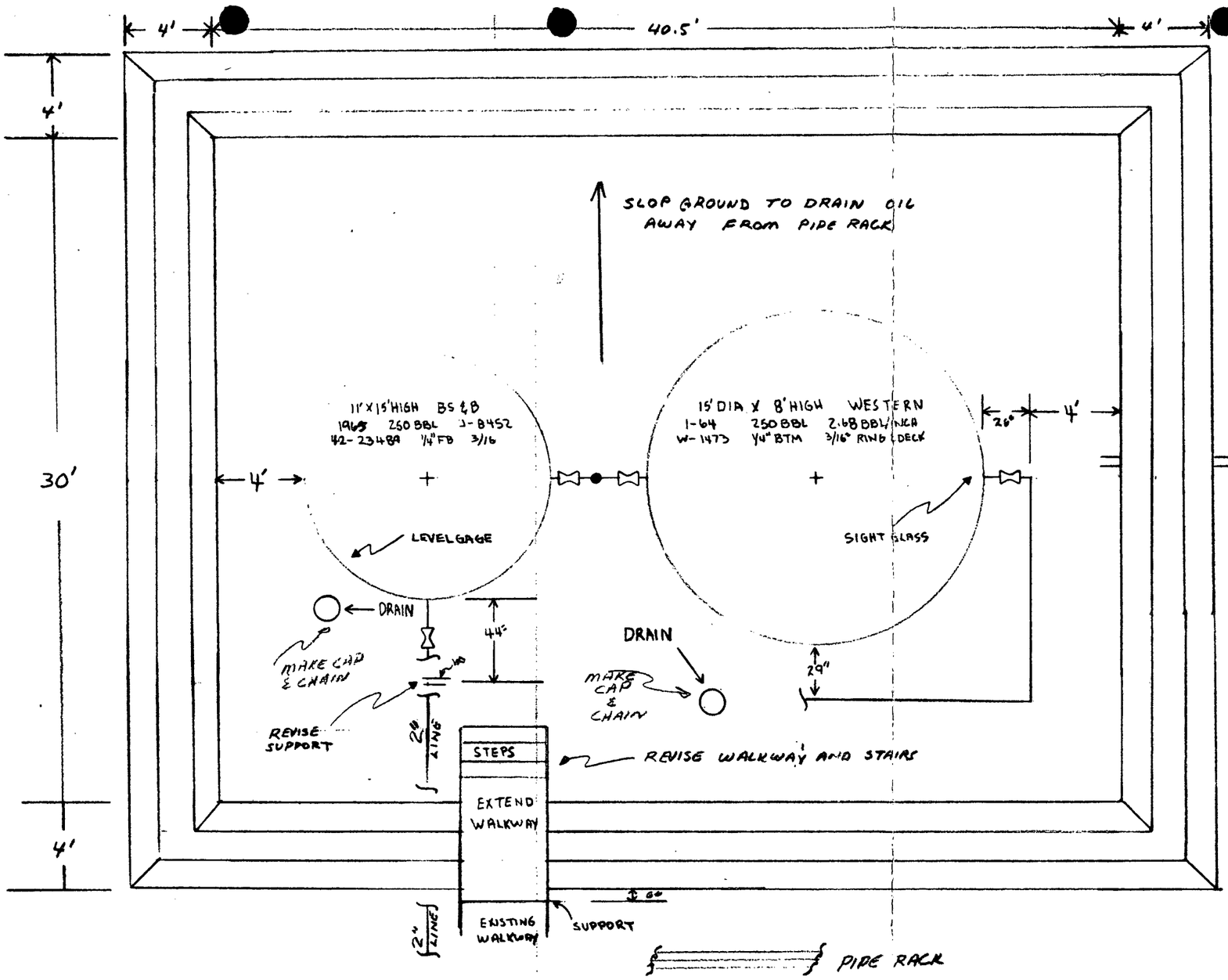
EXISTING FACILITIES

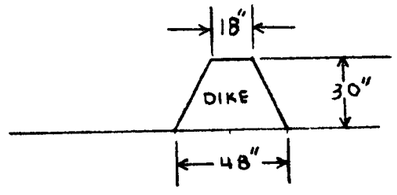
BID REQUEST | DWG

HOLCKEYE PLANT WATER WELL COMPLETION



JDD 7/1/





$A_{TRAPEZOID} = \frac{1}{2}(a+b)h$

$= \frac{1}{2}(1.5+4)\left(\frac{39}{12}\right) = 6.875\ FT^2$

TOTAL DIRT $= (6.875\ FT^2)(38+38+48.5+48.5)/27$

$= 44.10$ yds

500 BBL $\leq$ L x H x W x 7.45/42

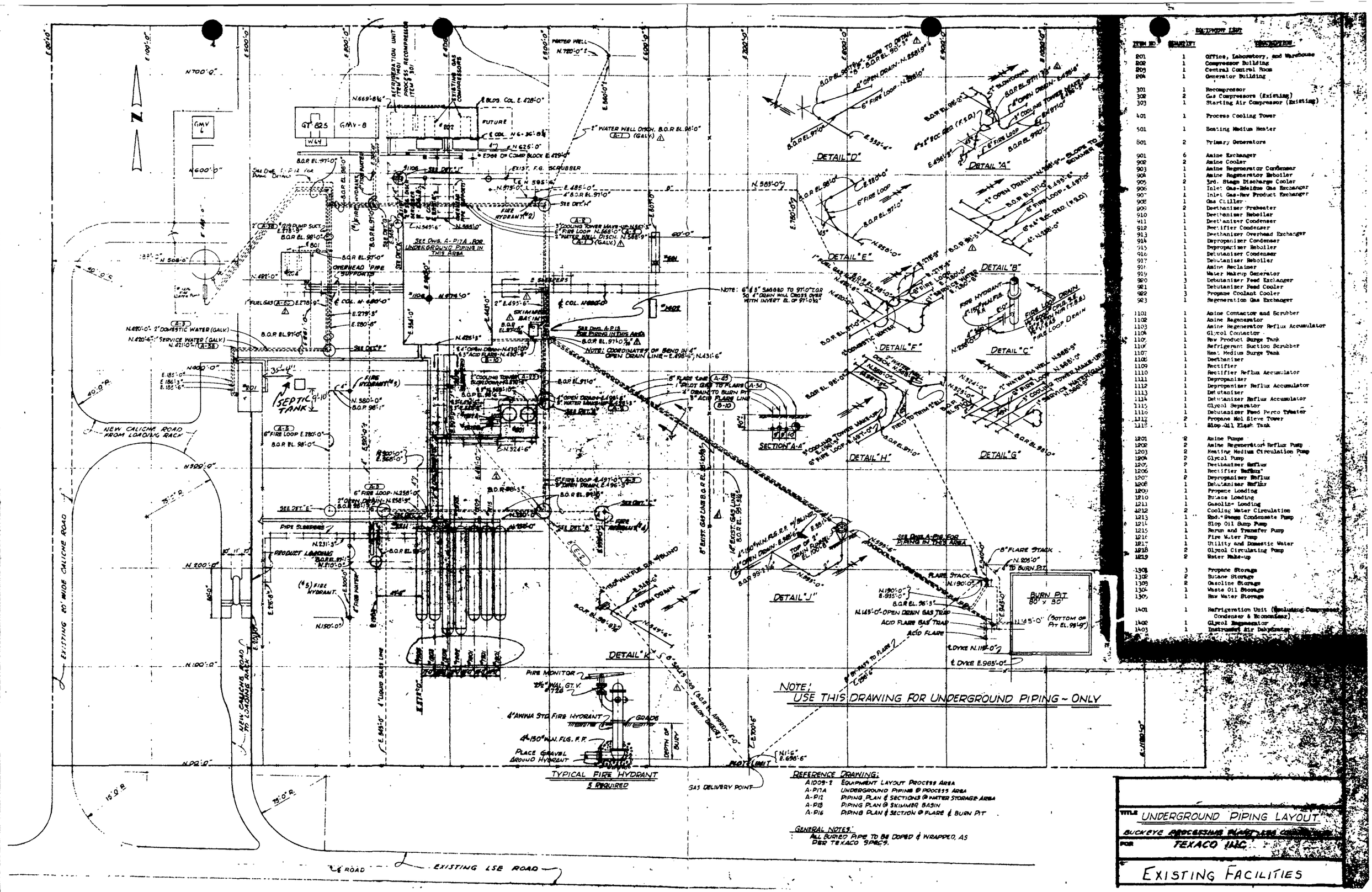
500 BBL $\leq$ 40.5 x 30/12 x 30 x 7.45/42

500 BBL $\leq$ 539 BBL

ATTACHMENT NO. 1

SLOP OIL TANK DIKE

PLANT BUCKEYE		DRAWN JB	A. F. E. NO.
DATE 8-29-85	SCALE NONE	CH'K'D	DWG. NO. GB
		APP'V'D	



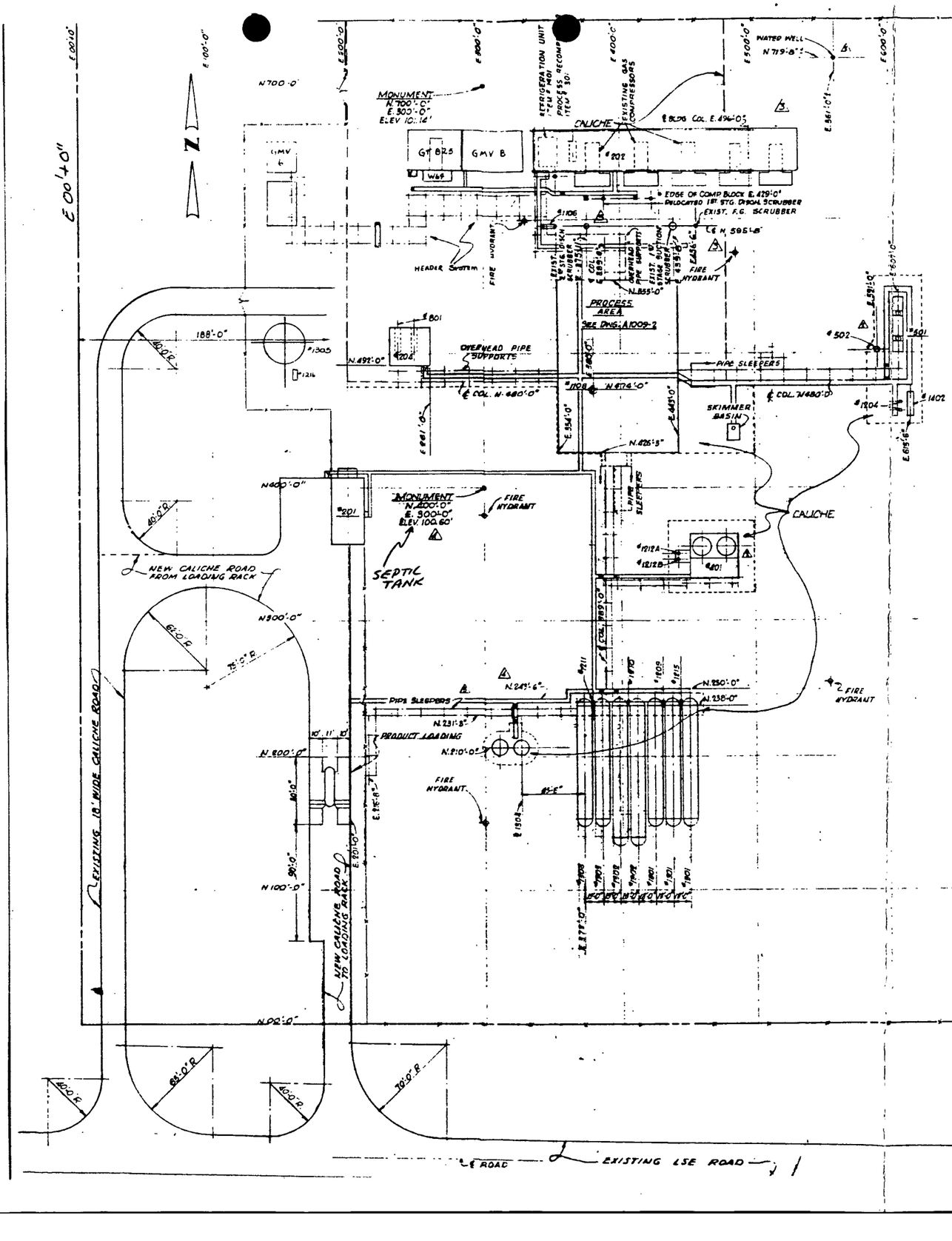
ITEM NO.	QUANTITY	DESCRIPTION
201	1	Office, Laboratory, and Warehouse
202	1	Compressor Building
205	1	Central Control Room
204	1	Generator Building
301	1	Recompressor
302	2	Gas Compressors (Existing)
303	1	Starting Air Compressor (Existing)
401	1	Process Cooling Tower
501	1	Heating Medium Heater
801	2	Primary Generators
901	6	Amine Exchanger
902	2	Amine Cooler
903	1	Amine Regenerator Condenser
904	1	Amine Regenerator Reboiler
905	2	3rd. Stage Discharge Cooler
906	1	Inlet Gas-Ethylene Gas Exchanger
907	1	Inlet Gas-Raw Product Exchanger
908	1	Gas Chiller
909	2	Deethanizer Preheater
910	1	Deethanizer Reboiler
911	1	Deethanizer Condenser
912	1	Rectifier Condenser
913	1	Deethanizer Overhead Exchanger
914	1	Depropanizer Condenser
915	1	Depropanizer Reboiler
916	1	Debutanizer Condenser
917	1	Debutanizer Reboiler
918	1	Amine Reclaimer
919	1	Water Makeup Generator
920	3	Debutanizer Feed Exchanger
921	1	Debutanizer Feed Cooler
922	3	Propane Coolant Cooler
923	1	Regeneration Gas Exchanger
1101	1	Amine Contactor and Scrubber
1102	1	Amine Regenerator
1103	1	Amine Regenerator Reflux Accumulator
1104	1	Glycol Contactor
1105	1	Raw Product Surge Tank
1106	1	Refrigerant Suction Scrubber
1107	1	Heat Medium Surge Tank
1108	1	Deethanizer
1109	1	Rectifier
1110	1	Rectifier Reflux Accumulator
1111	1	Depropanizer
1112	1	Depropanizer Reflux Accumulator
1113	1	Debutanizer
1114	1	Debutanizer Reflux Accumulator
1115	1	Glycol Separator
1116	1	Debutanizer Feed Perco Treater
1117	2	Propane Mol Sieve Tower
1118	1	Slop Oil Flash Tank
1201	2	Amine Pumps
1202	2	Amine Regenerator Reflux Pump
1203	2	Heating Medium Circulation Pump
1204	2	Glycol Pump
1205	2	Deethanizer Reflux
1206	1	Rectifier Reflux
1207	2	Depropanizer Reflux
1208	1	Debutanizer Reflux
1209	1	Propane Loading
1210	1	Butane Loading
1211	1	Gasoline Loading
1212	2	Cooling Water Circulation
1213	1	Knock-Back Pumps Condensate Pump
1214	1	Slop Oil Sump Pump
1215	1	Rerun and Transfer Pump
1216	1	Fire Water Pump
1217	1	Utility and Domestic Water
1218	2	Glycol Circulating Pump
1219	2	Water Make-up
1301	3	Propane Storage
1302	2	Butane Storage
1303	2	Gasoline Storage
1304	1	Waste Oil Storage
1305	1	Raw Water Storage
1401	1	Refrigeration Unit (Including Compressor, Condenser & Economizer)
1402	1	Glycol Regenerator
1403	1	Instrument Air Dehydrator

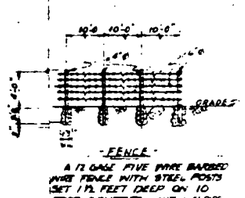
REFERENCE DRAWING:

A1009-2	EQUIPMENT LAYOUT PROCESS AREA
A-P17A	UNDERGROUND PIPING @ PROCESS AREA
A-P12	PIPING PLAN & SECTIONS @ WATER STORAGE AREA
A-P18	PIPING PLAN @ SKIMMER BASIN
A-P16	PIPING PLAN & SECTION @ FLARE & BURN PIT

GENERAL NOTES:
ALL BURIED PIPE TO BE DOPED & WRAPPED, AS PER TEXACO SPEC'S.

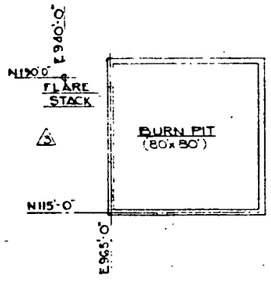
TITLE: UNDERGROUND PIPING LAYOUT
BUCKEYE PROCESSING PLANT
FOR TEXACO INC.
EXISTING FACILITIES





"FENCE"
A 12 GAGE FIVE WIRE BARBED WIRE FENCE WITH STEEL POSTS SET 1'6" FEET DEEP ON 10 FOOT CENTERS WITH 4" PIPE GATE & CORNER POST SET IN CONCRETE

(NOT TO SCALE)



ITEM NO.	QUANTITY	DESCRIPTION
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303	1	Starting Air Compressor (Existing)
401	1	Process Cooling Tower
501	1	Heating Medium Heater
502	1	Regeneration Gas Heater
601	2	Primary Generators
701	1	Amine Exchanger
702	2	Amine Cooler
703	1	Amine Regenerator Condenser
704	1	Amine Regenerator Reboiler
705	2	3rd. Stage Discharge Cooler
706	1	Inlet Gas-Residue Gas Exchanger
707	1	Inlet Gas-Raw Product Exchanger
708	1	Gas Chiller
709	2	Deethanizer Preheater
710	1	Deethanizer Reboiler
711	1	Deethanizer Condenser
712	1	Rectifier Condenser
713	1	Deethanizer Overhead Exchanger
714	1	Depropanizer Condenser
715	1	Depropanizer Reboiler
716	1	Debutanizer Condenser
717	1	Debutanizer Reboiler
718	1	Amine Reclaimer
719	1	Water Makeup Generator
720	3	Debutanizer Feed Exchanger
721	1	Debutanizer Feed Cooler
722	3	Propane Coolant Cooler
723	1	Regeneration Gas Exchanger
1101	1	Amine Contactor and Scrubber
1102	1	Amine Regenerator
1103	1	Amine Regenerator Reflux Accumulator
1104	1	Glycol Contactor
1105	1	Raw Product Surge Tank
1106	1	Refrigerant Suction Scrubber
1107	1	Heat Medium Surge Tank
1108	1	Deethanizer
1109	1	Rectifier
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1112	1	Depropanizer Reflux Accumulator
1113	1	Debutanizer
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1205	2	Deethanizer Reflux
1206	1	Rectifier Reflux
1207	2	Depropanizer Reflux
1208	1	Debutanizer Reflux
1209	1	Propane Loading
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1213	1	2nd. Stage Condensate Pump
1214	1	Slop Oil Pump Pump
1215	1	Return and Transfer Pump
1216	1	Fire Water Pump
1217	1	Utility and Domestic Water
1218	2	Glycol Circulating Pump
1219	2	Water Make-up
1301	3	Propane Storage
1302	2	Butane Storage
1303	2	Gasoline Storage
1304	1	Waste Oil Storage
1305	1	Raw Water Storage
1401	1	Refrigeration Unit (Including Compressor Condenser & Economizer)
1402	1	Glycol Regenerator
1403	1	Instrument Air Dehydrator
1404	1	Glycol Coalescer
1405	1	Amine Filter

REFERENCE DRAWING:
A1009-2 EQUIPMENT LAYOUT PROCESS AREA

TITLE PLOT PLAN
BUCKEYE PROCESSING PLANT - LEA COUNTY, N.M.
FOR TEXACO INC.

EXISTING FACILITIES

PROCESS COOLING TOWER
ITEM # 601
88,069,000 BTU/Hr

COOLING WATER CIRC. PUMPS
ITEM # 216

STARTING AIR COMPRESSOR
ITEM # 302

STARTING AIR RECEIVER

PREFILTER

AFTERFILTER

INSTRUMENT AIR DRYER
ITEM 1403

INSTRUMENT AIR RECEIVER
ITEM # 1119

INSTRUMENT AIR

DEC3 COND

DEC4 COND

DEC4 FEED

3RD STG COOLER

DEC2 COND

REFRIG. COOLER

HUDSON ENGINEERING CORPORATION

BUCKEYE PLANT
[redacted]
MANUFACTURING DEPARTMENT
DESTROY ALL PRINTS NOT SHOWING LATEST REVISION
NO. REVISION DATE BY CH'K'D APPVD.
PLANT
DRAWN JB
CH'K'D
APP'VD
A. F. E. NO.
DATE 11-84
SCALE
DWG. NO. GD
S. FIELD
N. FIELD
FLARE
PCV
#4 COMPRESSOR
30-35% DGA
T-1 WINSTON SN 2862 300# -150/90°F 1975
J-T VALVE
E-2
E-1 CHILLER
E-907
E-906
E-3
E-5
E-4
PCV403
RAW GAS TO DRYER
GAS DRYERS
CONDENSATE DRYERS
CONDENSATE TK
CONDENSATE
#3 COMPRESSOR
#2 COMPRESSOR
#1 COMPRESSOR
#6 COMPRESSOR
#7 COMPRESSOR
KOBE 9094-2
KOBE 9094-3
KOBE 9094-5
KOBE 9094-4
#5 COMPRESSOR
GRAYBURG HP INLET
H.P. SEP.
FUEL
O.O.S.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 9:45	Date 10/4/85

Originating Party	Other Parties
Jami Bailey	John Anderson

Subject: Submittal of Discharge Plan

Discussion

I reminded Mr. Anderson that the 240 day deadline from 1/31/85 - 9/28/85 for approval of D.P. was up + that there had been no response to our letter of 7/23/85. I suggested he immediately ask RLS for extension + submit a schedule of compliance. He will check into it + Louis Knight, Environmental Engineer, will contact us.

10:30 AM Louis Knight (918 560 6331) called, said they had all the info requested in the 7/23 letter except for lab analyses

Conclusions or Agreements

Knight will submit info they have, ask for extension, + give date for submittal of lab analyses

Distribution: File, D Boyer

Signed: Jami Bailey

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

50 YEARS
1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

July 23, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. J. H. Anderson
P. O. Box 3000
Tulsa, Oklahoma 74102

Re: Proposed Discharge Plan for Texaco - Buckeye Gas Processing Plant, Lea County, New Mexico, GW-29

Dear Mr. Anderson:

The proposed discharge plan dated June 25, 1985, for the referenced facility has been reviewed by me for compliance with the New Mexico Water Quality Control Commission (WQCC) Regulations. I have several questions, comments, or requests for additional clarifying information on the material you submitted.

1) Provide a topographic map of the plant site.

2) Provide a copy of the well log for the plant well.

3) Is domestic sanitary waste commingled with non-domestic type waste (solvents, laboratory chemicals, etc.)? Indicate the location of septic tank(s).

4) Provide a flow chart for the facility operations, particularly describing the cooling tower system.

5) Indicate the location and status of any underground storage tanks and pipes. What is their use, age, and material of construction?

6) Provide a copy of the Spill Prevention Control and Countermeasure Plan (SPCC). How are leaks reported, and to whom? Do you use OCD regulations concerning spills (Rule 116)?

7) What is the location and design of the dikes around the slop oil tanks, cooling tower, and chemical feed tanks?

8) Indicate the location and size of dikes that prevent the flow of oil leaks off the property or toward the process area.

9) What is the disposal method for solid wastes such as spent molecular sieves?

BURN PIT

1) Provide a complete list of all present and past sources and rates of discharge of fluids to the burn pit. How are rates determined?

2) What is the size of the burn pit (L x W x D, Ft.)?

3) What quantity of fluid is accumulated before it is hauled off-site? What is the name of the transporter and the ultimate disposal location? What time periods between haulings?

4) Describe how runoff from heavy rains is diverted from the burn pit.

5) If dikes surround the burn pit, show location and specifications.

6) Under what conditions does the emergency overflow line discharge fluids to the burn pit? How often does that occur?

CONCRETE SKIMMER BASIN

1) Provide design specifications of basin.

2) What quantity of fluid is accumulated before it is sent to the disposal well. What is the length of time between clean-outs? Clarify method of disposition.

3) What is the source and disposal of any produced water and dehydrator fluids? What quantity is produced?

4) Describe how runoff from heavy rains is diverted from the skimmer basin.

5) If dikes surround the skimmer basin, show location and specifications.

6) What is the overflow potential for the skimmer basin?

7) What is the average flow rate of fluids to the skimmer basin?

HYDROLOGY

1) Provide copies of laboratory analyses of samples from burn pit, skimmer basin, engine jacket water cooling tower effluent, and plant well for the following (unless otherwise or previously provided):

TDS	Benzene (all except cooling tower)
Aluminum	
Arsenic	Toluene (all except cooling tower)
Barium	Phenols (water well only)
Boron	
Chromium	Ethylbenzene (all except cooling tower)
Cobalt	(all except cooling tower)
Cyanide	Meta-, Ortho-, and Para- Xylenes
Manganese	
Molybdenum	Copper
Nickel	Iron
Selenium	Chloride
Sulfate	pH
Zinc	

2) Since a disposal well is used for effluent disposal, describe the procedures to be followed to prevent unauthorized discharges to the surface or subsurface in the event the disposal well is shut-in for workover or repairs.

Regarding the unlined burn pit, to be allowed to continue discharging to the unlined pit you must be able to demonstrate that the discharge will not cause ground water standards to be exceeded at a place of present or foreseeable future use of the water. Such a demonstration would need to include a detailed hydrogeological study of the area (e.g., ground water availability and movement, geology, water quality (organic and inorganic parameters), vadose zone interactions, etc.), and your plans for sampling and monitoring both the effluent and ground water

(via likely use of monitoring wells) for the lifetime of the plant and possibly longer (see Section 3-107 of the WQCC Regulations for what may be required). You may wish to investigate an alternate method of disposal, including lining of the burn pit.

If you have any questions on the discharge plan process, feel free to contact Phil Baca or me at (505) 827-5884.

Sincerely,

JAMI BAILEY
Field Representative

JB/dr

cc: R. L. Stamets
OCD - Hobbs

P 612 457 953

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to MR J. H. ANDERSON	
Street and No. P.O. Box 3000	
P.O., State and ZIP Code Tulsa, Oklahoma 74102	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

☆ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

PO Box 3000
Tulsa OK 74102
918 560 6705

June 25, 1985

Mr. R. L. Stamets
Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Re: Texaco - Buckeye Gas Processing Plant
Discharge Plan

Dear Mr. Stamets:

We request approval of the enclosed Discharge Plan for Texaco's Buckeye Gas Processing Plant, Lea County.

Should you have any questions, please feel free to contact me or Mr. C. R. Adkison, Area Plant Superintendent at 505/394-2566.

Very truly yours,

J. H. Anderson/was

J. H. Anderson

WAS/JHA:shs

Enclosure

CRA
ALB
WEI
LEK

DISCHARGE PLAN
BUCKEYE GAS PROCESSING PLANT

I. General Information

A. Texaco USA. Mr. John H. Anderson - District Manager
P. O. Box 1650, Tulsa, OK 74102 918/560-6705

B. Mr. C. R. Adkison - Area Plant Superintendent
P. O. Box 1137, Eunice, NM 88231 505/394-2566

C. The plant site is the NE¼ of the NE¼ of Section 1, Township 18 South, Range 34 East, Lea County, New Mexico. The following plot plans and flow sheets are attached for your review:

1. Plant Plot Plan
2. Electrical Plot Plan
3. Process Flow Sheet FS-101
4. Process Flow Sheet FS-102

D. The plant is a cryogenic natural gas processing plant designed to process 22.5 million cubic feet per day. At present the plant is processing approximately 7-8 million cubic feet per day and producing about 1,800 barrels per day of demethanized product (ethane, propane, butanes, pentanes and heaviers).

II. Plant Processes - Sources/Quantities/Analyses of Potential Effluents. Please refer to Pages 3, 4 and 5 for information.

III. There are no on-site effluent disposal facilities at the plant. As described in Section II, any effluents produced are oil/water based and are either hauled off-site or sent to a disposal well. The only short term impoundment of an effluent is the burn pit which may from time to time accumulate small quantities of condensed water from the flare. This condensation is then hauled off-site for proper disposal. The burn pit is not lined and is made of natural earthen materials.

IV. There are no known water courses, bodies of water, marshes, swamps, ground water discharge sites, etc. within one mile of our plant other than our own water well. Drinking water samples are sent out for analysis quarterly. We have never failed to pass the state's drinking water quality standard and have no reason to believe the water is contaminated in any way.

V. The plant is operated and manned 24 hours/day, 7 days/week, 52 weeks/year. Operators and supervisors make regular, daily rounds, inspecting the plant. Any leaks or potential leaks are reported and mitigated immediately.

Our plant is well run and maintained by highly qualified and trained employes and because of the inert properties of the materials handled, we can foresee no potential or threat of contamination of any source of water for present or future uses.

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief."

C. F. Gee
Division Vice President
Natural Gas Plants Division

6-25-85
Date

II. Plant Processes - Sources/Quantities/Analyses of Potential Effluents

Type	Discharge & Destination (GPD)	Treatment	Analyses
1. Engine Jacket Water	None - Closed system	Non-Heavy Metal Corrosion Inhibitor	See attached analysis
2. Cooling Tower	5,760 GPD - Blowdown to concrete Skimmer Basin to Disposal Well	Zinc/Chromate/Corrosion Inhibitor, Biocide, Dispersant	See attached analysis
3. Sewage	Septic Tank		
4. Wash Down	Infrequent - to engine room pumps to concrete Skimmer Basin to Disposal Well. Variable flows	None	N/A
5. Produced Water/Oil from field	Variable inlet. Slop Oil Tank sold to Western Trucking Co.	None	N/A
6. Office Trash	Dumpster - Picked up weekly by Waste Control of New Mexico	None	N/A
7. Flare Water Knock Out (Condensation)	Infrequent/minute amount 24 GPD hauled off-site by contractor	N/A	None

NOTE: Discharge rates are estimated; however, they should be representative of plant effluent both quantity and quality wise.

Analyses	Well Water	Cooling Tower Blowdown	Engine Jacket Water
1. Total Dissolved Solid (TDS) mg/l	518	mg/l 1300	mg/l 1500
2. Sodium (Na)	39	119	
3. Potassium (k)	39	12	
4. pH 7.2		6.8	8.0
5. Calcium (Ca)	88	206	
6. Magnesium (Mg)	14.4	40	
7. Chlorides (Cl)	130	332	
8. Sulfates (SO_4)	30	187	
9. BiCorbonates $(HC)_3$)	183	337	
10. Carbonates (CO_3)	0	0	

*Engine Jacket Water analysis unavailable at present time. Will be analyzed at a later date.

NOTE: All analyses in mg/l unless otherwise specified.

Analyses for other elements as listed in WQCC Section 3-103 are not shown as the probability of existence of these elements in the waters from this plant is nil.

The contaminants listed in WQCC 1-101.UU are neither used in any process, are intermediates of any products from plant processes nor are contained in the inlet natural gas to the plant. The plant processes straight chain hydro-carbons from field gas through physical separation. No chemicals are used in this process nor are any H-C bonds broken.

Samples of the plant waters (cooling tower, engine jacket and well) were taken as grab samples and analyzed by Unichem Int. for those components as listed in the above. Grab samples were not filtered prior to sampling. Any sampling, preservation techniques, and analytical testings were done according to Standard Methods for the Examination of Water and Wastewater.

Areas in the plant where leaks of oil may occur are either diked to prevent the flow off property or toward process areas. Dikes are designed to

contain more than the maximum stored amount. Engine rooms have sumps which direct engine leakage, washdowns, etc. to a concrete skimmer basin and then to a disposal well. If any oil were to spill, immediate clean up procedures would be initiated with contractors called in to haul spilled oil and contaminated soil off-site for proper disposal. Should the soil quantity spilled exceed OCD notification regulations, the District OCD office would be notified by telephone and followed up with a written report.

Slop oil tanks are all above ground so that any leakage would be noted during regular inspections by operators and supervisor. If leakage were noted, the leaking vessel would be pumped out and the contaminated soil removed for proper disposal. If the vessel could be repaired it would be, otherwise, it would be taken permanently out of service.

The disposal well utilized by the plant is operated by Texaco Producing in Midland. We rely on them for disposal of plant liquid wastes as described herein; however, we are not involved in the permitting, reporting, testing, etc. required by the OCD. Should additional information on the well be required, we can obtain it upon request.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1337

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
United Chemical Corporation	505-393-7751

ADDRESS *(Number, Street, City, State, and ZIP Code)*
P. O. Box 1499, 707 North Leech Street, Hobbs, New Mexico, 88240

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Sodium Pentachlorophenate	ALPHA 542
CHEMICAL FAMILY: Antimicrobial	FORMULA:

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212° F	SPECIFIC GRAVITY (H_2O=1)	1.080
VAPOR PRESSURE (mm Hg.)	----	PERCENT, VOLATILE BY VOLUME (%)	----
VAPOR DENSITY (AIR=1)	----	EVAPORATION RATE (_____ =1)	----
SOLUBILITY IN WATER	Infinite		

APPEARANCE AND ODOR: Buff colored liquid; slight chlorine smell

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
None			

EXTINGUISHING MEDIA: Water; CO_2; Foam

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Unknown

EFFECTS OF OVEREXPOSURE: ALPHA 542 is capable of producing serious eye irritation and corneal damage. Prolonged skin contact can cause marked irritation and chemical burn.

EMERGENCY AND FIRST AID PROCEDURES: Flush eyes for 15 minutes with water. Obtain medical attention. Wash affected skin with soap and water. Get medical attention if irritation persists. If ingested, induce vomiting; call a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None

INCOMPATABILITY *(Materials to avoid)*: None

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gaseous compounds are produced when incinerated.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash area thoroughly with soap and water. Rinse thoroughly with fresh water. Do not allow rinse water to drain into lakes or streams.

WASTE DISPOSAL METHOD: Dispose of by burying in an approved landfill or other approved area. Do not allow product to contaminate lakes, streams, ponds or public waters.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: None likely to be required.

VENTILATION: Control to comfort	LOCAL EXHAUST	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES: Rubber	EYE PROTECTION: Chemical workers' goggles

OTHER PROTECTIVE EQUIPMENT: Rubber boots, apron and coveralls.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid skin contact, inhalation and ingestion

OTHER PRECAUTIONS: This material can be absorbed through the skin in amounts that can cause death.

GPO 934-119

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1337

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
United Chemical Corporation	505-393-7751

ADDRESS (Number, Street, City, State, and ZIP Code)
P. O. Box 1499, 601 North Leech Street, Hobbs, New Mexico, 88240

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Proprietary Biocide Blend	ALPHA 580
CHEMICAL FAMILY: Methylene bis(thiocyanate)	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212° F	SPECIFIC GRAVITY (H_2O=1)	0.996
VAPOR PRESSURE (mm Hg.)	---	PERCENT, VOLATILE BY VOLUME (%)	---
VAPOR DENSITY (AIR=1)	---	EVAPORATION RATE (_____ . _____ =1)	---
SOLUBILITY IN WATER	Soluble at use concentrations		
APPEARANCE AND ODOR	Straw colored liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
127° F (TOC)			

EXTINGUISHING MEDIA: Water Spray; Dry Chemical; Fog; CO_2

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Unknown

EFFECTS OF OVEREXPOSURE
Causes eye and skin irritation. Harmful or fatal if swallowed or absorbed through the skin.

EMERGENCY AND FIRST AID PROCEDURES
Wash skin with soap and water. Immediately flush eyes with water and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	None

INCOMPATABILITY *(Materials to avoid)*
None

HAZARDOUS DECOMPOSITION PRODUCTS
May produce Cyanide gases if heated to decomposition

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Wash contaminated area with copious quantities of water, or soak up with absorbent material. Do not allow water to drain into lakes, streams or public water.

WASTE DISPOSAL METHOD
Contact United Chemical Corporation for assistance in disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
None likely to be required.

VENTILATION	LOCAL EXHAUST	SPECIAL
Control to comfort	None Required	
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Rubber	Face shield or goggles

OTHER PROTECTIVE EQUIPMENT
Rubber apron, boots, coveralls.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid contamination of food. Keep out of reach of children. Remove and wash contaminated clothing before reuse.

OTHER PRECAUTIONS

GPO 934-110

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Unichem International Inc.	505-393-7751
ADDRESS (Number, Street, City, State, and ZIP Code) 707 N. Leech; P. O. Box 1499, Hobbs, New Mexico 88240	
CHEMICAL NAME AND SYNONYMS Proprietary Dispersant and Scale Inhibitor	TRADE NAME AND SYNONYMS TECHNI-SPERSE 250
CHEMICAL FAMILY Organic Polymers and phosphonates	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°	SPECIFIC GRAVITY (H_2O=1)	1.068
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	Infinite		
APPEARANCE AND ODOR	Clear liquid; slight pungent odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
None			

EXTINGUISHING MEDIA: Water spray; dry chemical; CO_2

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Unknown

EFFECTS OF OVEREXPOSURE
Corrosive to skin and eyes if overexposed. May be harmful if ingested or absorbed through skin in large quantities.

EMERGENCY AND FIRST AID PROCEDURES
Flush with water for at least 15 minutes and contact a physician if skin irritation persists. For eye contact, or ingestion, contact a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None

INCOMPATABILITY *(Materials to avoid)*
Strongly alkaline compounds

HAZARDOUS DECOMPOSITION PRODUCTS
None

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Wash down contaminated area with water or soak up with absorbant material. Do not allow wash water to drain into important water sources

WASTE DISPOSAL METHOD
Incinerate in an incinerator or an approved disposal facility.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
None likely to be required.

VENTILATION	LOCAL EXHAUST	SPECIAL
Control to comfort	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Rubber	Face shield or goggles

OTHER PROTECTIVE EQUIPMENT
Rubber boots, apron and or coveralls

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not transfer to improperly marked containers. Keep container closed when not in use. Keep out of reach of children.

OTHER PRECAUTIONS
Do not allow concentrated material to contact skin or eyes.

GPO 934-110

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
United Chemical Corporation	505-393-7751

ADDRESS (Number, Street, City, State, and ZIP Code)
P. O. Box 1499, 707 North Leech Street, Hobbs, New Mexico 88240

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Proprietary Corrosion Inhibitor Blend	TECHNI-HIB 9230

CHEMICAL FAMILY	FORMULA
Zinc Chromate Base	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°	SPECIFIC GRAVITY (H_2O=1)	1.439
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	Infinite		

APPEARANCE AND ODOR Dark Yellow Liquid; No Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
None			

EXTINGUISHING MEDIA
Dry Chemical; CO_2; Water Spray; Fog

SPECIAL FIRE FIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Unknown

EFFECTS OF OVEREXPOSURE
Corrosive to skin and eyes if overexposed. May be harmful or fatal if swallowed or absorbed through skin.

EMERGENCY AND FIRST AID PROCEDURES
Wash skin and eyes for fifteen minutes with fresh water and consult a physician. For eye contact, consult a physician immediately.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None

INCOMPATABILITY *(Materials to avoid)*
Avoid crude oil and other organic compounds and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
None

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Wash down contaminated area with fresh water or soak up with absorbant material. Do not allow wash water to drain into lakes, streams or other important water sources.

WASTE DISPOSAL METHOD
Incinerate in an incinerator equipped with an afterburner, or dispose of in an approved industrial waste landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
None likely to be required in normal use.

VENTILATION	LOCAL EXHAUST	SPECIAL
Control to comfort	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES: Rubber	EYE PROTECTION: Face shield/ or goggles

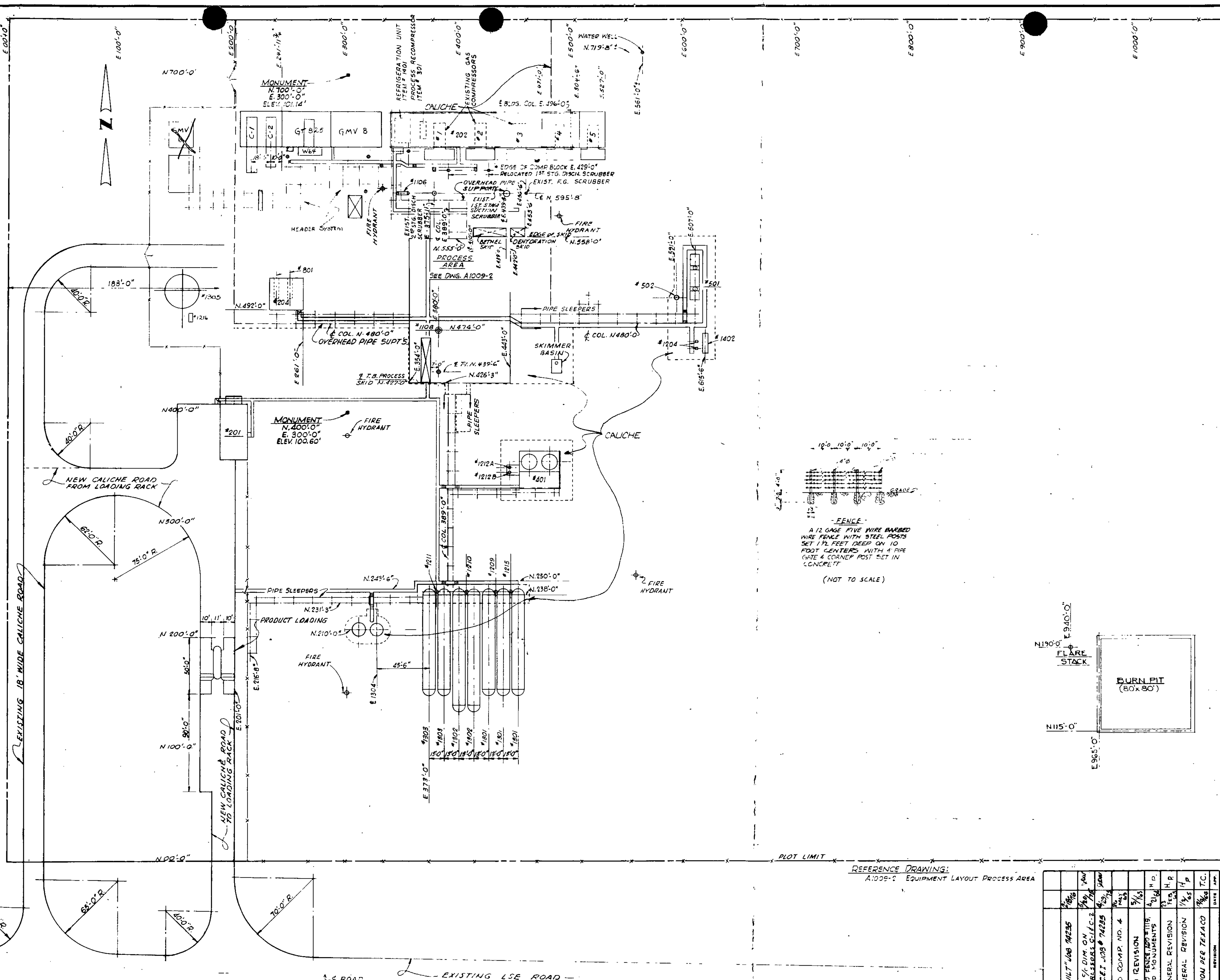
OTHER PROTECTIVE EQUIPMENT
Rubber boots, apron and coveralls

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not transfer to improperly marked container. Keep container closed when not in use. Keep out of reach of children.

OTHER PRECAUTIONS
Avoid contamination of food or food products. Avoid skin and eye contact.

GPO 934-110



EQUIPMENT LIST

ITEM NO.	QUANTITY	DESCRIPTION
201	1	Office, Laboratory, and Warehouse
202	1	Compressor Building
203	1	Central Control Room
204	1	Generator Building
301	1	Recompressor
302	2	Gas Compressors (Existing)
303	1	Starting Air Compressor (Existing)
401	1	Process Cooling Tower
501	1	Heating Medium Heater
502	1	Regeneration Gas Heater
701	2	Primary Generators
901	6	Amine Exchanger
902	2	Amine Cooler
903	1	Amine Regenerator Condenser
904	1	Amine Regenerator Reboiler
905	2	3rd. Stage Discharge Cooler
906	1	Inlet Gas-Residue Gas Exchanger
907	1	Inlet Gas-Raw Product Exchanger
908	1	Gas Chiller
909	2	Deethanizer Preheater
910	1	Deethanizer Reboiler
911	1	Deethanizer Condenser
912	1	Rectifier Condenser
913	1	Deethanizer Overhead Exchanger
914	1	Depropanizer Condenser
915	1	Depropanizer Reboiler
916	1	Debutanizer Condenser
917	1	Debutanizer Reboiler
918	1	Amine Reclaimer
919	1	Water Makeup Generator
920	3	Debutanizer Feed Exchanger
921	1	Debutanizer Feed Cooler
922	3	Propane Coolant Cooler
923	1	Regeneration Gas Exchanger
1101	1	Amine Contactor and Scrubber
1102	1	Amine Regenerator
1103	1	Amine Regenerator Reflux Accumulator
1104	1	Glycol Contactor
1105	1	Raw Product Surge Tank
1106	1	Refrigerant Suction Scrubber
1107	1	Heat Medium Surge Tank
1108	1	Deethanizer
1109	1	Rectifier
1110	1	Rectifier Reflux Accumulator
1111	1	Depropanizer
1112	1	Depropanizer Reflux Accumulator
1113	1	Debutanizer
1114	1	Debutanizer Reflux Accumulator
1115	1	Inlet Gas Scrubber
1116	1	Debutanizer Feed Perco Treater
1117	2	Propane Mol Sieve Tower
1118	1	Slop Oil Flash Tank
1119	1	Instrument Air Receiver
1201	2	Amine Pumps
1202	2	Amine Regenerator Reflux Pump
1203	2	Heating Medium Circulation Pump
1204	2	Glycol Pump
1205	2	Deethanizer Reflux
1206	1	Rectifier Reflux
1207	2	Depropanizer Reflux
1208	1	Debutanizer Reflux
1209	1	Propane Loading
1210	1	Butane Loading
1211	1	Gasoline Loading
1212	2	Cooling Water Circulation
1213	1	2nd. Stage Condensate Pump
1214	1	Slop Oil Sump Pump
1215	1	Rerun and Transfer Pump
1216	1	Fire Water Pump
1217	1	Utility and Domestic Water
1218	2	Glycol Circulating Pump
1219	2	Water Make-up
1301	3	Propane Storage
1302	2	Butane Storage
1303	2	Gasoline Storage
1304	1	Waste Oil Storage
1305	1	Raw Water Storage
1401	1	Refrigeration Unit (including Compressor, Condenser & Economizer)
1402	1	Glycol Regenerator
1403	1	Instrument Air Dehydrator
1404	1	Water Coalescer
1405	1	Amine Filter

REFERENCE DRAWING:
A1009-2 EQUIPMENT LAYOUT PROCESS AREA

"TEXACO ESTIMATE 3-8099"

NO.	REVISION	BY	DATE	APP.
9	"AS BUILT" JOB 74235	MMD	2/18/76	
8	CHG. C/C DIM. ON COMPRESSORS C-1 & C-2	SRC	3/20/78	
7	PER C.E.I JOB # 74235	BJ	4/29/75	
6	ADDED COMP. NO. 4	CF	MAY 69	
5	FIELD REVISION	P	5/1/65	
4	REVISED FENCE, ADD #1119, & ADDED MONUMENTS	H.P.	4/21/64	H.P.
3	GENERAL REVISION	J.B.	23 FEB 65	H.P.
2	GENERAL REVISION	TC	1/4/65	H.P.
1	REVISION PER TEXACO	J.P.	12/9/64	T.C.

HUDSON ENGINEERING CORPORATION
HOUSTON, TEXAS

TITLE: PLOT PLAN
BUCKEYE PROCESSING PLANT - LEA COUNTY, N.M.

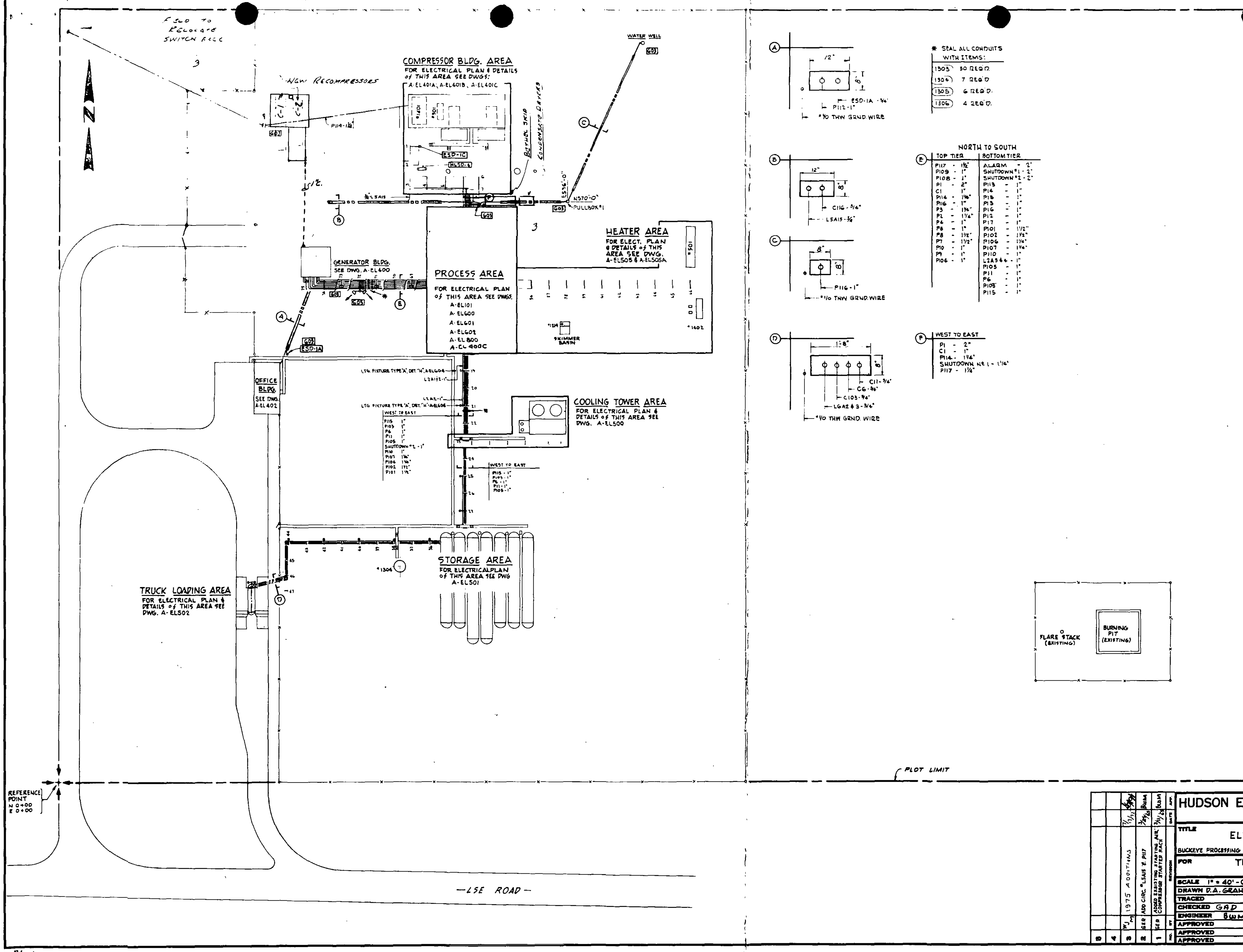
FOR: TEXACO INC.
HOUSTON, TEXAS

		DATE
SCALE	1" = 40'-0"	
DRAWN	A.D.S.	
TRACED		
CHECKED		
ENGINEER	A.E.P.	12-14-63
APPROVED		
APPROVED		
APPROVED	R.L.	12-16-63

JOB NO. 5920

DRAWING NO. [illegible]

Sent T/F 4/26/65



LEGEND:

- 601 REFERENCE DWG. NO. (A-EL601)
- UNDERGROUND CONDUIT BANK
- ABOVE GROUND CONDUIT
- JUNCTION BOX OR SEAL (AS NOTED)
- PENDANT TYPE LTG. FIXTURE
- BRACKET TYPE LTG. FIXTURE
- LIGHTING STANDARD
- FLOODLIGHT

GENERAL NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE ENCASED IN A RED CONCRETE ENVELOPE. A MINIMUM CONCRETE COVERAGE OF 3" FROM OUTSIDE OF ENVELOPE TO OUTSIDE OF ANY CONDUIT. CONDUITS SHALL BE SEPARATED 3" APART INSIDE ENVELOPE. ENVELOPE SHALL BE BURIED A MINIMUM OF 36" BELOW FINAL GRADE.
2. ALL CONDUIT JOINTS SHALL BE MADE WITH CROUSE-HINDS STL THREAD COMPOUND.
3. SEALS SHALL BE MADE WITH CROUSE-HINDS TYPE CHICO COMPOUND. SEAL CONDULETS SHALL BE DAMMED WITH DUXSEAL BEFORE POURING COMPOUND.
4. ALL WIRE FOR 120/240 VOLT SYSTEMS SHALL BE TYPE "THW" COLOR CODED AND SIZED AS PER RESPECTIVE LIGHTING PANEL CIRCUIT SCHEDULES.
5. MAIN GROUND LOOP SHALL BE #1/0 "THW" WIRE, STRANDED, WHITE. THE MAIN GROUND WIRE SHALL RUN OVERHEAD WHERE POSSIBLE AND STRAP TO CONDUITS WITH T & B "TY-RAPS". EQUIPMENT TAPS SHALL BE #4 THW, STRANDED, WHITE. MAIN GROUND LOOP SHALL BE CONNECTED TO THE WATER WELL CASING.
6. UNDERGROUND DUCT BANKS SHALL UTILIZE UNDERGROUND PIPE TRENCHES.

NO.	REVISION	BY	DATE	APP.
1	ADDED EXISTING STARTING AIR COMPRESSOR STARTER RACK	GER	3/11/65	BWM
2	ADD CIRC. #LSA15 & P117	GER	3/29/65	BWM
3	1975 ADDITIONS	WJM	7/17/75	
4				
5				

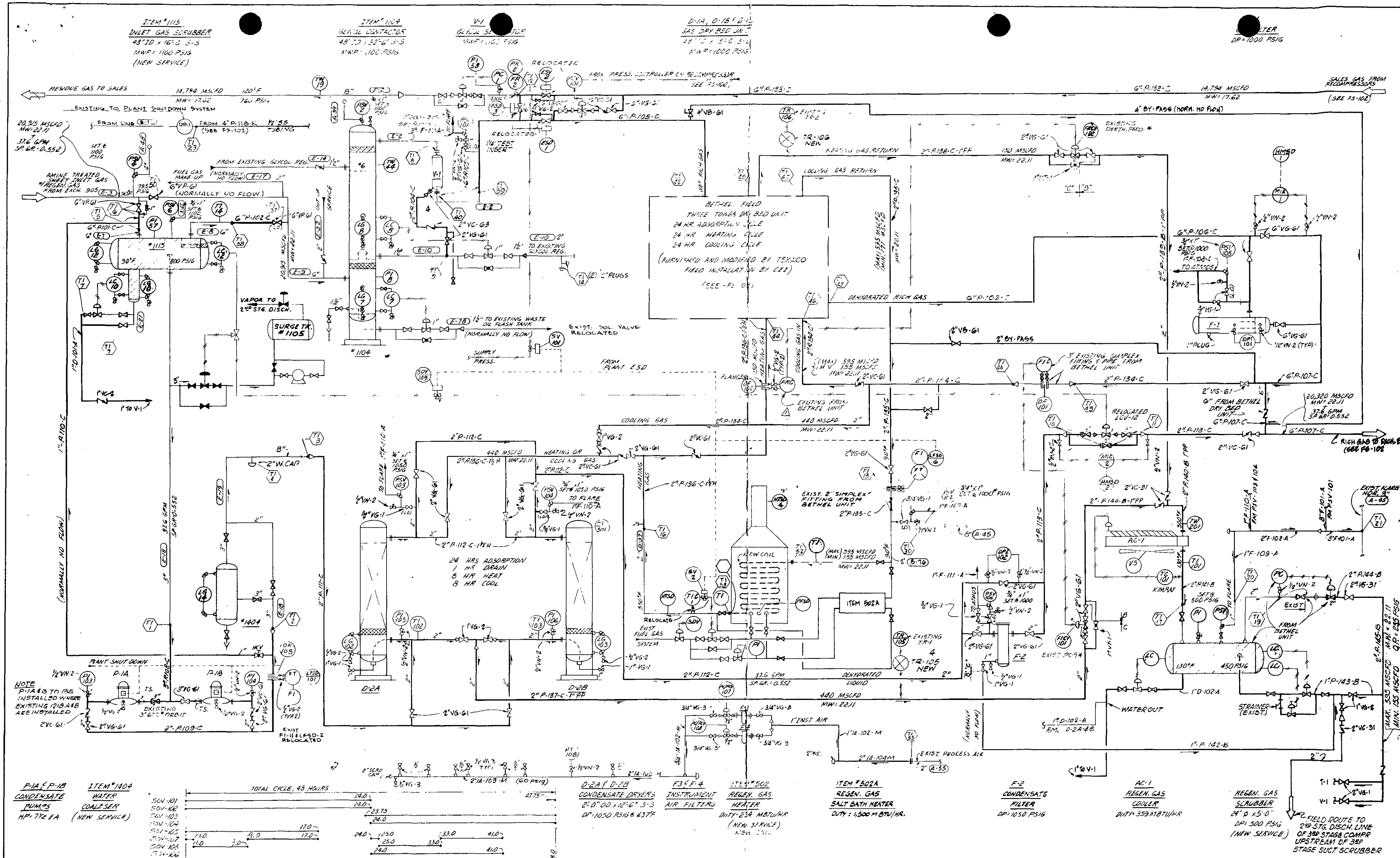
HUDSON ENGINEERING CORPORATION
HOUSTON, TEXAS

TITLE: ELECTRICAL PLOT PLAN
BUCKEYE PROCESSING PLANT — LEA COUNTY, NEW MEXICO

FOR: TEXACO INCORPORATED
HOUSTON, TEXAS

		DATE
SCALE	1" = 40'-0"	
DRAWN	D.A. GRAHAM	2-10-65
TRACED		
CHECKED	GAD	2-26-65
ENGINEER	BWM	3-3-65
APPROVED		
APPROVED		
APPROVED		

JOB NO.	DRAWING NO.
5920	A-EL100



NOTE
1. SHADED & HATCHED EQUIP. EXISTING
2. ALL FLOW RATES @ 15.025 PSIA, 60°F
3. (TI) DENOTES TIE-IN
4. HEAVY LINES INDICATE NEW PIPING
5. * EXISTING CONTROL VALVE ... PLANT SHUTDOWN ...

REV.	DATE	REVISIONS	BY	CHK'D.	SECT. LDR.	CHIEF DRAFT	PROJ. ENG.
1		GENERAL REVISION (FOR APPROVAL)	JBC				
2		REVISED FOR CUSTOMER COMMENTS ...	SRJ				
3	4/30/75	REVISED AS NOTED	GB		GB		
4	4/2/75	GENERAL REVISION					
5	7/8/75	GENERAL REVISION					
6	12/1/75	REVISED AS NOTED	SRC				
7	2-9-76	"AS BUILT"	WD				

CHAPMAN ENGINEERS, INC.
HOUSTON, TEXAS
ENGINEERS & CONTRACTORS
NATURAL GAS PROCESSING & PETROLEUM PLANTS

TEXACO INC.
MIDLAND, TEXAS

PROCESS FLOW SHEET
22.5 MMSCFD - BUCKEYE GAS PLANT
LEA, CO. NEW MEXICO

DES: SHAH	SCALE:	JOB 74235	
DR: CARRENS	FILE:	DWG. NO. FS-101	REV. 7
CH: IBA	DATE: 10-17-74		
APP:			

PLUG OR BALL VALVE
GATE VALVE
GLOBE VALVE
CHECK VALVE
NEEDLE VALVE
PRESS. SAFETY VALVE
DIAPHRAGM VALVE
ORIFICE
CHOKE

SOLENOID VALVE
TRANSMITTER
AIR FILTER REGULATOR
THERMOCOUPLE
INSTRUMENT AIR
CAPILLARY
THERMOCOUPLE LEAD WIRE

NOTE:

1. SHADED & HATCHED EQUIPMENT IS EXISTING.
2. ALL FLOW RATES ARE @ 15.025 PSIA & 60°F.
3. ⟨TI⟩ DENOTES TIE-IN
4. HEAVY LINES INDICATE NEW PIPING
5. ✱ EXISTING [illegible] AVAILABLE UNTIL PLANT SHUTDOWN; LCV-101

REV.	DATE	REVISIONS	BY	CHK'D.	SECT. LDR.	CHIEF DRAFT	PROJ. ENG.
1	1-29-75	GENERAL REVISION (FOR APPROVAL)	JBC				
2	3-4-75	REVISED PER CUST. COMMENTS & GENERAL	JBC				
3	4-10-75	REV. AS NOTED & ADDED VA #'S & LINE #'S	CJ				
4	4-21-75	GENERAL REVISION	RJ				
5	6-24-75	PER CUST. COMMENTS & GENERAL REV.	RG				
6	2-24-76	"AS BUILT"	WMD				

NOTICE:

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CHAPMAN ENGINEERS, INC.
HOUSTON, TEXAS
ENGINEERS & CONTRACTORS
NATURAL GAS PROCESSING & PETROLEUM PLANTS

TEXACO INC.
MIDLAND TEXAS

PROCESS FLOW SHEET
22.5 MMSCFD - BUCKEYE GAS PLANT
LEA, CO. NEW MEXICO

DES: SHAH	SCALE: —	JOB 74235
DR: CARRENS	FILE:	DWG. NO. FS-102
CH: IBA	DATE: 10-17-74	REV. 6
APP:		

ALL SKIMMER CONTENTS TO PRODUCTION "O" BATTERY

INLET SCRUBBERS

FIRST STAGE DISCHARGE SCRUBBER

TEG CONT. INLET SCR

PLANT DRAINS

B.D.

FLARE

COOLING TOWER

SLOP OIL TO WESTERN

4"

EMERGENCY OVER FLOW LINE

HAUL OFF

BURN PIT (80'x80')

FLARE STACK

EXISTING 18' WIDE CALICHE ROAD

NEW CALICHE ROAD FROM LOADING RACK

EXISTING LSE ROAD

PLOT LIMIT

THE GENERAL PLANT DRAINS AND COOLING TOWER BLOWDOWN FLOW TO THE SKIMMER PIT. ALL LIQUIDS IN THE SKIMMER PIT ARE PUMPED TO TEXACO PRODUCTION.

CONDENSATE FROM THE TWO INLET SCRUBBERS, THE FIRST STAGE SCRUBBER, AND FROM THE TEG CONTACTOR INLET SCRUBBER ARE COLLECTED IN THE SLOP OIL TANKS (2@250 BBL). PRIOR TO FLOWING TO THE SLOP OIL TANKS, THE GASES IN THE LIQUID ARE FLASHED TO THE FLARE.

THE SKIMMER OVERFLOW LINE IS NORMALLY BLOCKEDIN. SKIMMER LIQUIDS DRAINED IN AN EMERGENCY ARE HAULED OFF.

James Barger
June 21, 1985

- FENCE -
A 12 GAGE FIVE WIRE BARBED WIRE FENCE WITH STEEL POSTS SET 1.75 FEET DEEP ON 10 FOOT CENTERS WITH 4 PIPE GATE & CORNER POST SET IN CONCRETE

(NOT TO SCALE)

EQUIPMENT LIST

ITEM NO	QUANTITY	DESCRIPTION
201	1	Office, Laboratory, and Warehouse
202	1	Compressor Building
203	1	Central Control Room
204	1	Generator Building
301	1	Recompressor
302	2	Gas Compressors (Existing)
303	1	Starting Air Compressor (Existing)
401	1	Process Cooling Tower
501	1	Heating Medium Heater
502	1	Regeneration Gas Heater
503	2	Primary Generators
601	1	Amine Exchanger
602	1	Amine Cooler
603	1	Amine Regenerator Condenser
604	1	Amine Regenerator Reboiler
605	2	Dry Stage Discharge Cooler
606	1	Inlet Gas-Residue Gas Exchanger
607	1	Inlet Gas-Raw Product Exchanger
608	1	Gas Chiller
609	2	Deethanizer Condenser
610	1	Deethanizer Reboiler
611	1	Deethanizer Condenser
612	1	Demethanizer Condenser
613	1	Demethanizer Overhead Exchanger
614	1	Depropanizer Condenser
615	1	Depropanizer Reboiler
616	1	Debutanizer Condenser
617	1	Debutanizer Reboiler
618	1	Amine Reclaimer
619	1	Water Makeup Generator
620	3	Debutanizer Feed Exchanger
621	1	Debutanizer Feed Cooler
622	1	Propane Coolant Cooler
623	1	Regeneration Gas Exchanger
1101	1	Amine Contactor and Scrubber
1102	1	Amine Regenerator
1103	1	Amine Regenerator Reflux Accumulator
1104	1	Glycol Contactor
1105	1	Raw Product Surge Tank
1106	1	Refrigerant Suction Scrubber
1107	1	Demethanizer Surge Tank
1108	1	Deethanizer
1109	1	Rectifier
1110	1	Deethanizer Reflux Accumulator
1111	1	Depropanizer
1112	1	Depropanizer Reflux Accumulator
1113	1	Debutanizer
1114	1	Debutanizer Reflux Accumulator
1115	1	Glycol Separator
1116	1	Debutanizer Feed Perco Treater
1117	2	Propane Mol Sieve Dryer
1118	1	Slop Oil Flash Tank
1119	1	Instrument Air Receiver
1201	2	Amine Pumps
1202	2	Amine Regenerator Reflux Pump
1203	2	Heating Medium Circulation Pump
1204	2	Glycol Pump
1205	2	Deethanizer Reflux
1206	2	Rectifier Reflux
1207	2	Depropanizer Reflux
1208	1	Debutanizer Reflux
1209	1	Propane Loading
1210	1	Butane Loading
1211	1	Gasoline Loading
1212	2	Cooling Water Circulating
1213	1	2nd. Stage Condensate Pump
1214	1	Slop Oil Pump Pump
1215	1	Waste and Transfer Pump
1216	1	Fire Water Pump
1217	1	Utility and Domestic Water
1218	2	Glycol Circulating Pump
1219	2	Water Make-up
1301	2	Propane Storage
1302	2	Butane Storage
1303	2	Gasoline Storage
1304	1	Waste Oil Storage
1305	1	Raw Water Storage
1401	1	Refrigeration Unit (Excluding Compressor, Condenser & Economizer)
1402	1	Glycol Regenerator
1403	1	Instrument Air Dehydrator
1404	1	Glycol Condenser
1405	1	Amine Filter

REFERENCE DRAWING:
A-1009-2 EQUIPMENT LAYOUT PROCESS AREA

B-0080-72-003

TITLE: PLOT PLAN
BUCKEYE PROCESSING PLANT - LEA COUNTY, N.M.
FOR: TEXACO INC.

EXISTING FACILITIES

BID REQUEST EST # 3-8299

DWG # 1

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

50 YEARS
1935 - 1985

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

June 4, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John H. Anderson
Manager, Tulsa District
Texaco USA
P.O. Box 3000
Tulsa, OK 74102

Re: Texaco - Buckeye Gas
Processing Plant
Discharge Plan

Dear Mr. Anderson:

We have received your letter dated May 30, 1985, requesting an extension of time for submittal of the Texaco-Buckeye discharge plan. It is our understanding that you intend to submit the discharge plan by June 28, 1985.

Pursuant to Section 3-106.A of the New Mexico Water Quality Control Commission Regulations and for good cause shown, Texaco is hereby granted its request for an extension until June 28, 1985, to submit its discharge plan for the Buckeye gas processing plant.

If you have any questions on this extension, or on the discharge plan process, please feel free to contact Phil Baca at (505) 827-5885, or Jami Bailey at (505) 827-5884.

Sincerely,

R. L. STAMETS
Director

RLS/PB/dp

cc: OCD - Hobbs Office

P 505 906 068

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to John H. Anderson	
Street and No. Box 3090	
P.O., State and ZIP Code Tulsa, OK 74102	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, Feb. 1982

John H Anderson
Manager Tulsa District
Natural Gas Plants Division

Texaco USA

PO Box 3000
Tulsa OK 74102
918 560 6705

May 30, 1985

Mr. R. L. Stamets, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Texaco-Buckeye Gas Processing Plant
Discharge Plan

Dear Mr. Stamets:

We request an extension of time for the completion of the above referenced Discharge Plan at Texaco's Buckeye Gas Processing Plant, from June 5, 1985 to June 28, 1985.

Your cooperation in granting this extension is most appreciated.

Yours very truly,

J. H. Anderson/WAS

JHA/LEK/lt

CRA
GDW
LEK

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☑ Telephone ☐ Personal	Time	Date
	3^00 pm	5/29/85

Originating Party	Other Parties
P. Baca - OCD	L. Knight - Texaco

Subject: Texaco - Buckeye Gas Plant Discharge Plan

Discussion: Ms. Knight indicated that due to relocation of their office (Pampa, Tx to Tulsa, Ok), he would like an extension until 6-28-85 to submit their discharge plan. I asked him to send a written request.

Conclusions or Agreements: Ms. Knight will send a written request for extension.

Distribution

Signed Philip L. Baca

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 31, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Texaco U.S.A.
P.O. Box 1137
Eunice, NM 88231

ATTENTION: Mr. C. R. Adkison

Dear Mr. Adkison:

Under the provisions of the Water Quality Control Commission (WQCC), you are hereby notified that the filing of a discharge plan is required for your existing Buckeye Gas Processing Plant located in Section 36, Township 17 South, Range 34 East, NMPM, in Lea County, New Mexico.

This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC regulations. The discharge plan defined in Section 1-101.P of the WQCC Regulations, should cover all discharges of effluent or leachate at the plant site or adjacent to the plant site. A copy of the regulations is enclosed for your convenience. Also enclosed is a copy of an OCD guide to the preparation of discharge plans for gas processing plants. Four copies of your discharge plan should be submitted for review purposes.

Section 3-106.A. of the regulations requires a submittal of the discharge plan within 120 days of receipt of this notice unless an extension of this time period is sought and approved for good cause. Section 3-106.A. also allows the discharge to continue without an approved discharge plan until 240 days after written notification by the director that a discharge plan is required. An extension of this time may be sought and approved for good cause.

LEWIS KNIGHT - TULSA, OK

If there are any questions on this matter, please feel free to call Dave Boyer or Phil Baca at (505) 827-5812 as they have the assigned responsibility for review of all discharge plans.

Sincerely,

R. L. STAMETS
Director

RLS/PB/dp

cc: OCD-Hobbs Office
Mr. Lewis Knight - Texaco, Tulsa, OK

P 505 905 828

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

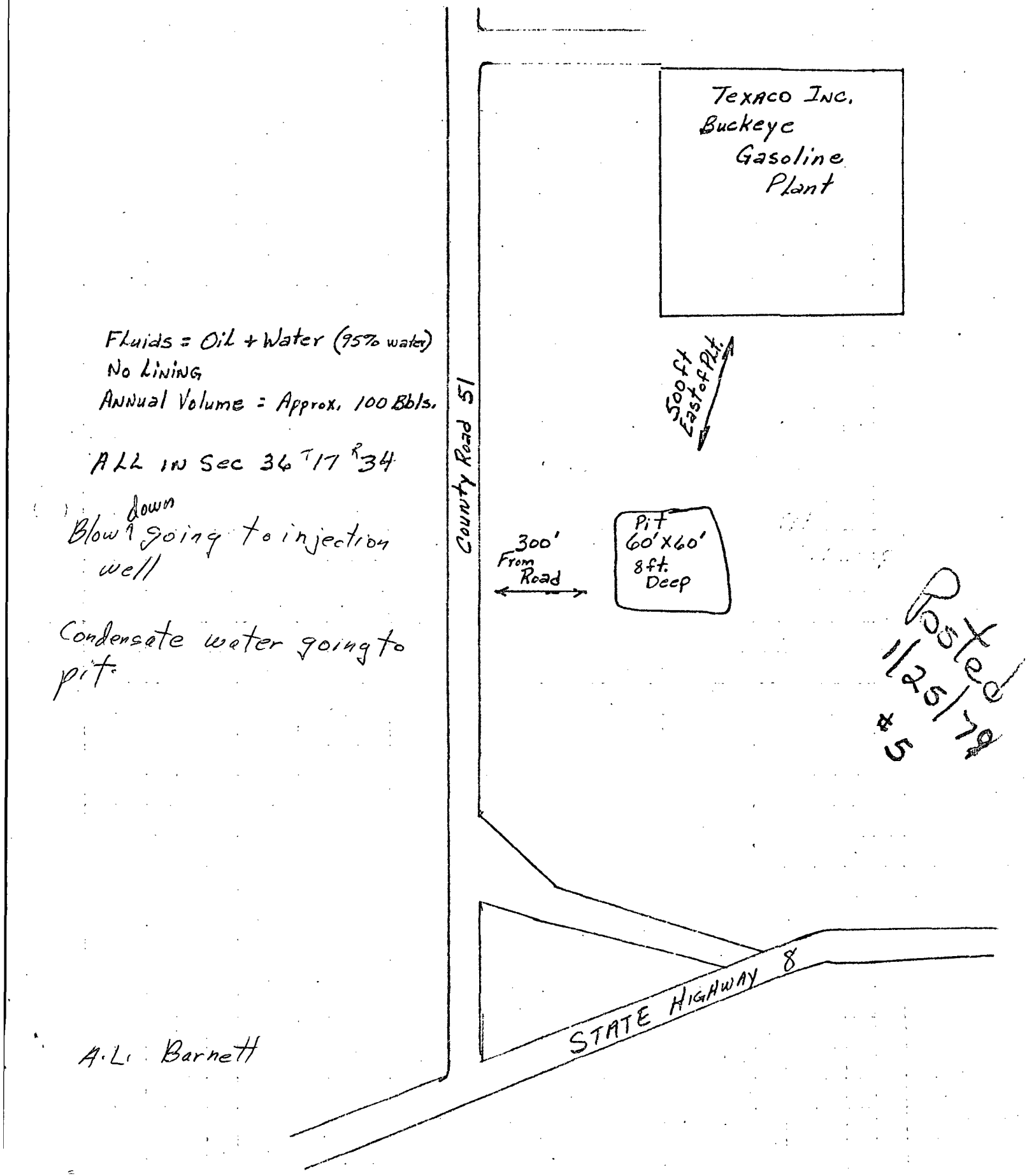
Sent to C. R. Adkinson	
Street and No. Box 1137	
P.O., State and ZIP Code Eunice, NM 88231	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, Feb. 1982

FORM ENG-4 (7-77) 600M

TEXACO INC.

SHEET NO.
DATE 11-3-78
LOCATION Buckeye Gasoline Plt. EST. NO.
BY
SUBJECT Pits associated with Gasoline Plants
C'K'D
APP'D



Fluids = Oil + Water (95% water)
No Lining
Annual Volume = Approx. 100 Bbls.

All in Sec 36 T 17 R 34

Blow down going to injection well

Condensate water going to pit.

Posted 11/25/79 #5

A. L. Barnett