

1R -

341

REPORTS

DATE:

2005

Price, Wayne, EMNRD

From: Price, Wayne, EMNRD

Sent: Wednesday, November 23, 2005 2:44 PM

To: 'ronnie@jhhc.org'

Cc: Mark Larson (mark@laenvironmental.com); Sheeley, Paul, EMNRD

Subject: John H. Hendrix 1R0341

OCD is in receipt of the closure report dated October 24, 2005 Danglade #2 Emergency Pit closure and hereby approves closure and requires no further action.

Please be advised that NMOCD approval of this plan does not relieve John H. Hendrix of Responsibility 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 John H. Hendrix of responsibility for compliance with any other federal, state, or local laws and/or regulations.

11/23/2005

October 24, 2005

VIA EMAIL: wayne.price@state.nm.us

Mr. Wayne Price
Environmental Engineer
State of New Mexico - Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Case #1R0341, John H. Hendrix Corporation, Danglade # 2 Emergency Pit
Excavation Closure, Unit A (NE/4, NE/4), Section 24, Township 22 South,
Range 37 East, Lea County, New Mexico**

Dear Mr. Price:

This report is submitted to the New Mexico Oil Conservation Division ("OCD") for John H. Hendrix Corporation ("JHHC") by Larson and Associates, Inc. ("LA"), its agent, and documents closure of an unlined surface impoundment ("pit") located in Unit A (NE/4, NE/4), Section 24, Township 22 South, Range 37 East, Lea County, New Mexico. The unlined surface impoundment was associated with the Danglade #2 well and tank battery ("Site"). Contact information is as follows:

John H. Hendrix Corporation
110 North Marienfeld, Suite 400
Midland, Texas 79701
ATT: Ron Westbrook
(432) 684-6631
ronniew@jhhc.org

The pit was located about 150 feet southwest of the Danglade #2 well at north 32° 23' 00.6" and west 103° 06' 43.0". Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing. Appendix A presents correspondence.

Background

In late 2000, the pit was excavated to shale, also referred to as red bed, which was encountered at approximately 30 feet below ground surface ("bgs"). The length and width of the excavation measured approximately 65 x 125 feet, respectively. The contaminated soil was hauled to an OCD approved commercial landfarm operated by Environmental Plus, Inc., located southeast of Eunice, New Mexico.

On April 17, 2001, LA supervised drilling of four (4) borings (BH-1 through BH-4) located east, west, north and south of the excavation. Scarborough Drilling, Inc., drilled the borings to about 35 feet bgs using an air rotary rig, and soil samples were collected approximately every 10 feet using a 2-foot long core sampler. Shale was encountered between about 29 and 34 feet bgs, and groundwater was not observed in the borings. LA also collected soil samples from the bottom and sides of the excavation. The soil samples were hand-delivered under chain-of-custody control to Environmental Lab of Texas, Inc. ("ELTI"), which analyzed the samples for total petroleum hydrocarbons ("TPH") including gasoline range organics ("GRO") and diesel range organic ("DRO") and chloride. Soil samples exhibiting field headspace readings above 100 parts per million ("ppm") were also analyzed for benzene, toluene, ethyl benzene and xylene ("BTEX"). Benzene, BTEX and TPH were below the OCD recommended remediation action levels ("RRAL") of 10 milligrams per kilogram ("mg/Kg"), 50 mg/Kg and 5,000 mg/Kg, respectively. Chloride ranged from 71 mg/kg to 12,408 mg/kg. The borings were plugged according to New Mexico State Engineer regulations.

The results of the investigation were submitted to the OCD on May 17, 2001, in the report titled, *"Emergency Pit Investigation Report, John H. Hendrix Corp., Danglede #2 Well Location, NE/4, NE/4, Section 24, Township 22 South, Range 37 East, Lea County, New Mexico"*. The report included a proposed closure plan that was approved on December 28, 2001. Several extensions were requested and approval granted by OCD. Appendix A presents correspondence.

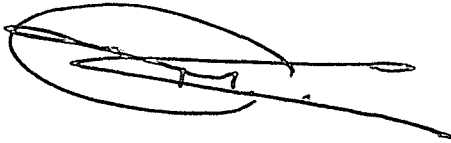
Excavation Closure

On April 25, 2005, E. D. Walton Construction Company, Inc. ("EDW") began filling the excavation with approximately 4,000 cubic yards of clean soil. The clean soil was placed in the excavation to approximately 5 feet bgs. Approximately 2 feet of clay was placed over the clean soil in 1-foot lifts, crowned slightly and compacted. Pettigrew & Associates, P.A. ("Pettigrew"), located in Hobbs, New Mexico, measured soil density after each lift was compacted, which exceeded 95% standard proctor. The remainder of the excavation was filled with clean soil and seeded. Figure 2 presents a Site drawing. Figure 3 and Figure 4 present cross sections of the excavation. Figure 5 and Figure 6 present drawings showing the approximate density test locations and readings. Appendix B presents the Pettigrew report. Appendix C presents photographs. Appendix D presents OCD Form C-144.

Your approval of the final closure and a letter of no further action is requested. Please call Mr. Ron Westbrook with JHHC at (432) 688-2971 or myself at (432) 687-0901 if you have questions. We may also be reached by email at ronniew@jhhc.org or Mark@LAEnvironmental.com.

Mr. Wayne Price
October 24, 2005
Page 3

Sincerely,
Larson and Associates, Inc.

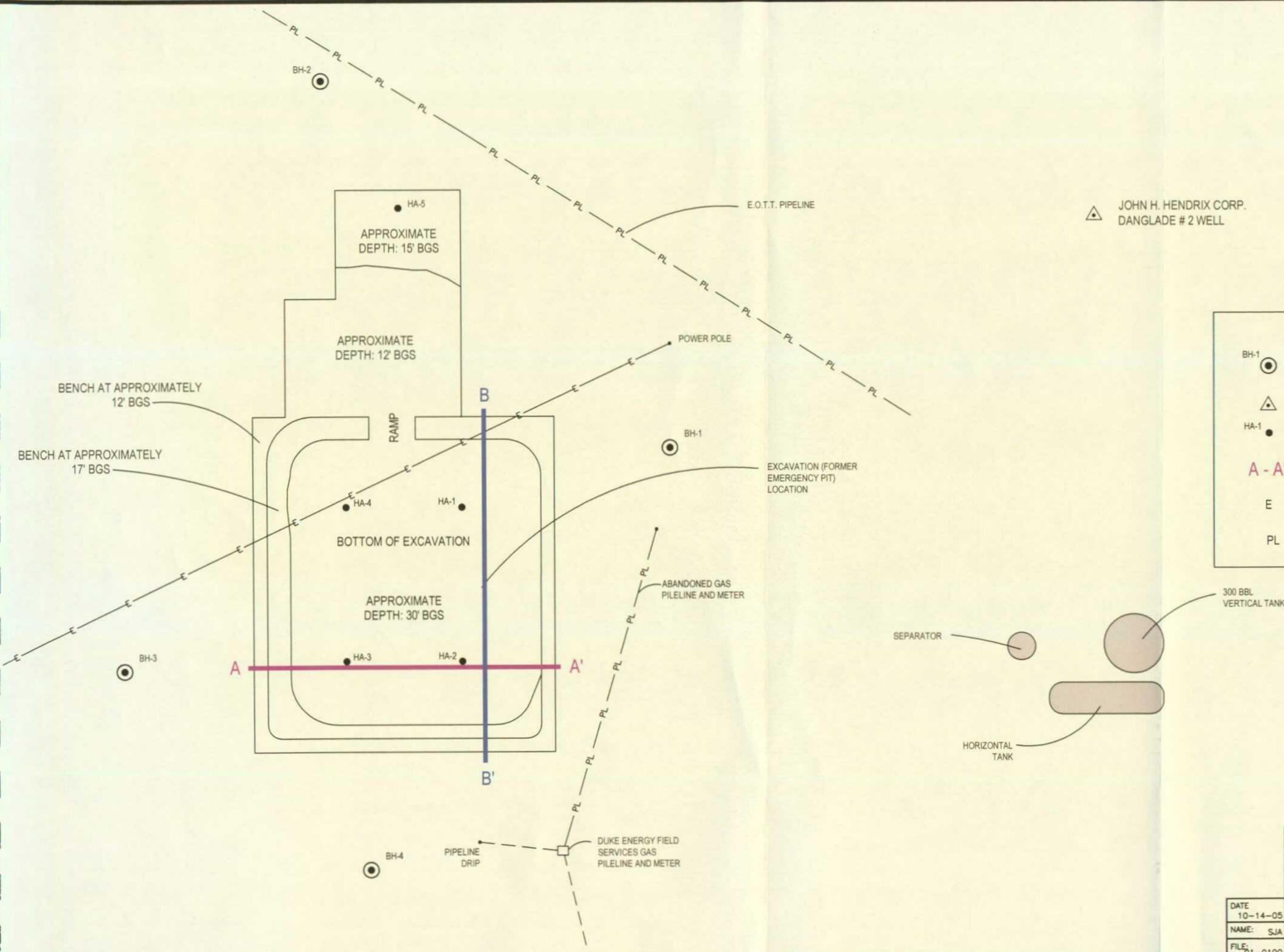
A handwritten signature in dark ink, appearing to read 'Mark J. Larson', enclosed within a large, loopy oval shape.

Mark J. Larson, P.G., C.P.G., C.G.W.P.
Sr. Project Manager/President

Encl.

cc: Mr. Ron Westbrook/JHHC
Mr. Marvin Burrows/JHHC
Mr. Chris Williams/ NMOCD - District 1

Figures



△ JOHN H. HENDRIX CORP.
DANGLADE # 2 WELL

LEGEND

- BH-1 - ROTARY - DRILLED BORING LOCATION (APRIL 2001)
- OIL WELL LOCATION
- HA-1 - HAND- AUGER BORING LOCATION (APRIL 2001)
- A - A' - BACKFILL CROSS SECTION LOCATION
- E - OVERHEAD ELECTRIC LINE
- PL - PIPELINE

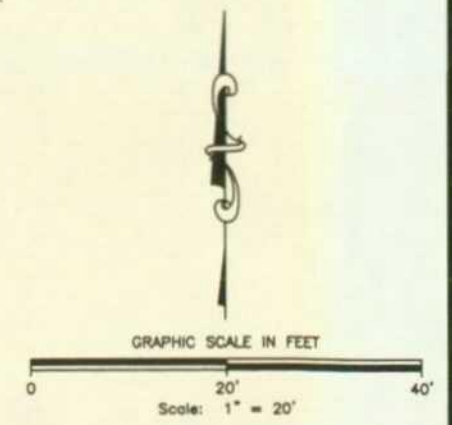
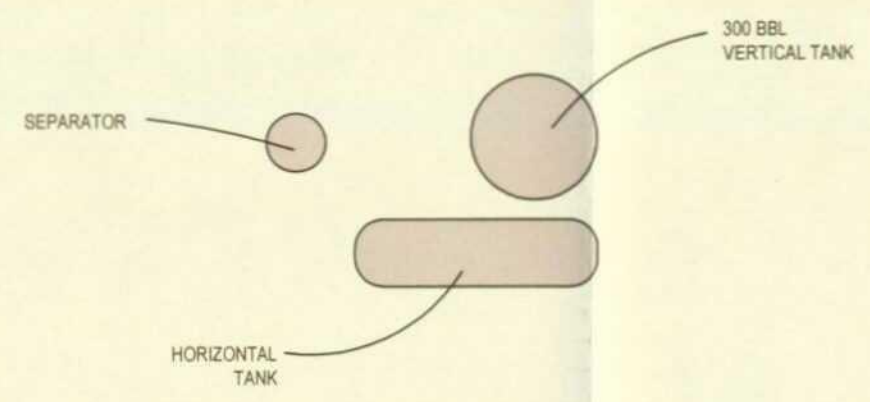


FIGURE # 2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

DANGLADE # 2

NE/4, NE/4

SECTION 24, T-22-S, R-37-E

SITE DRAWING

DATE: 10-14-05

NAME: SJA

FILE: 01-0100

Larson & Associates, Inc.
Environmental Consultants

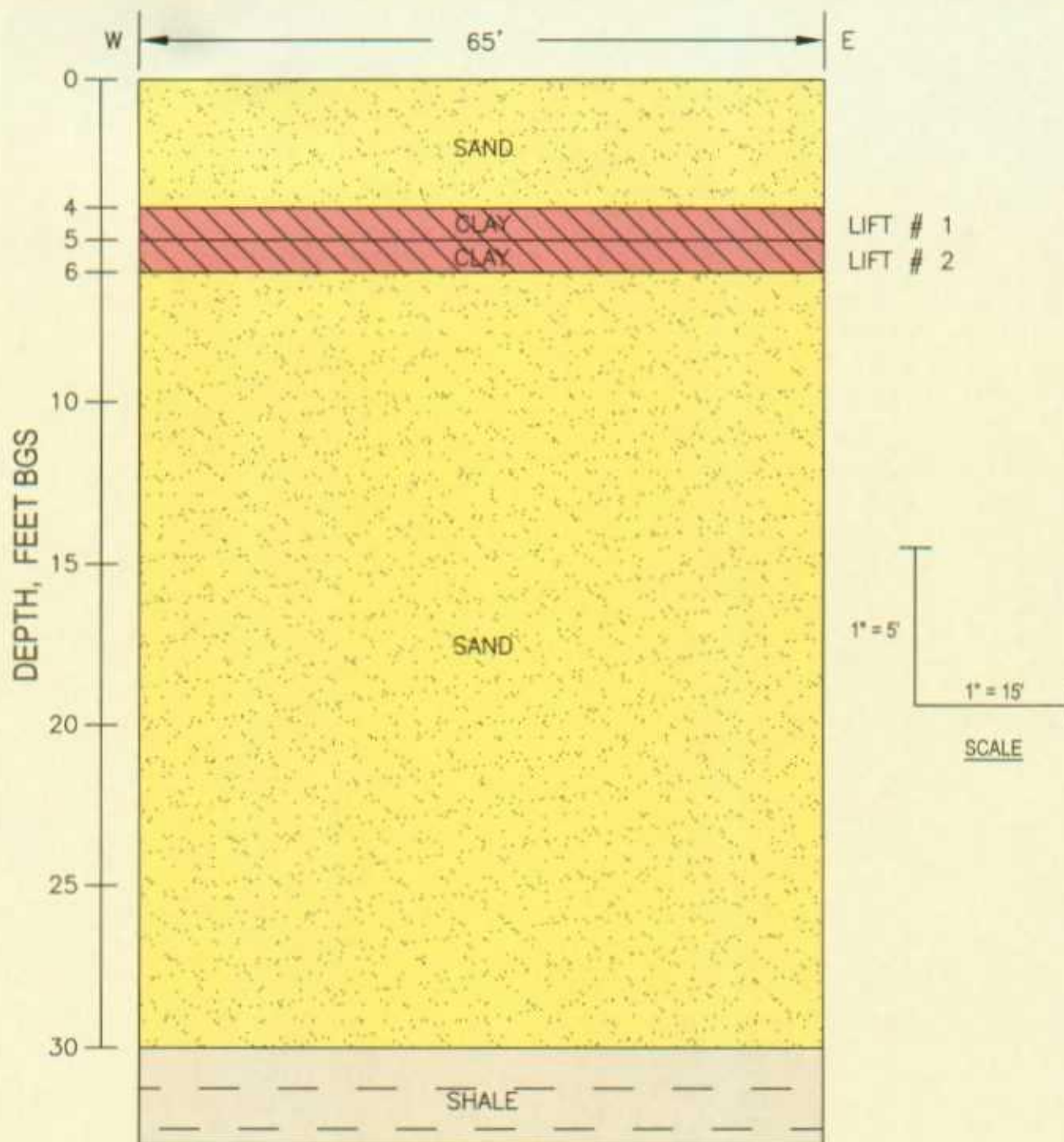


FIGURE #3

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

DANGLADE #2

NE¼, NE¼

SECTION 24, T-22-S, R-37-E

BACKFILL CROSS-SECTION
A-A'

DATE
10-14-05

NAME: SJA

FILE: 01-0100

LAarson &
Associates, Inc.
Environmental Consultants

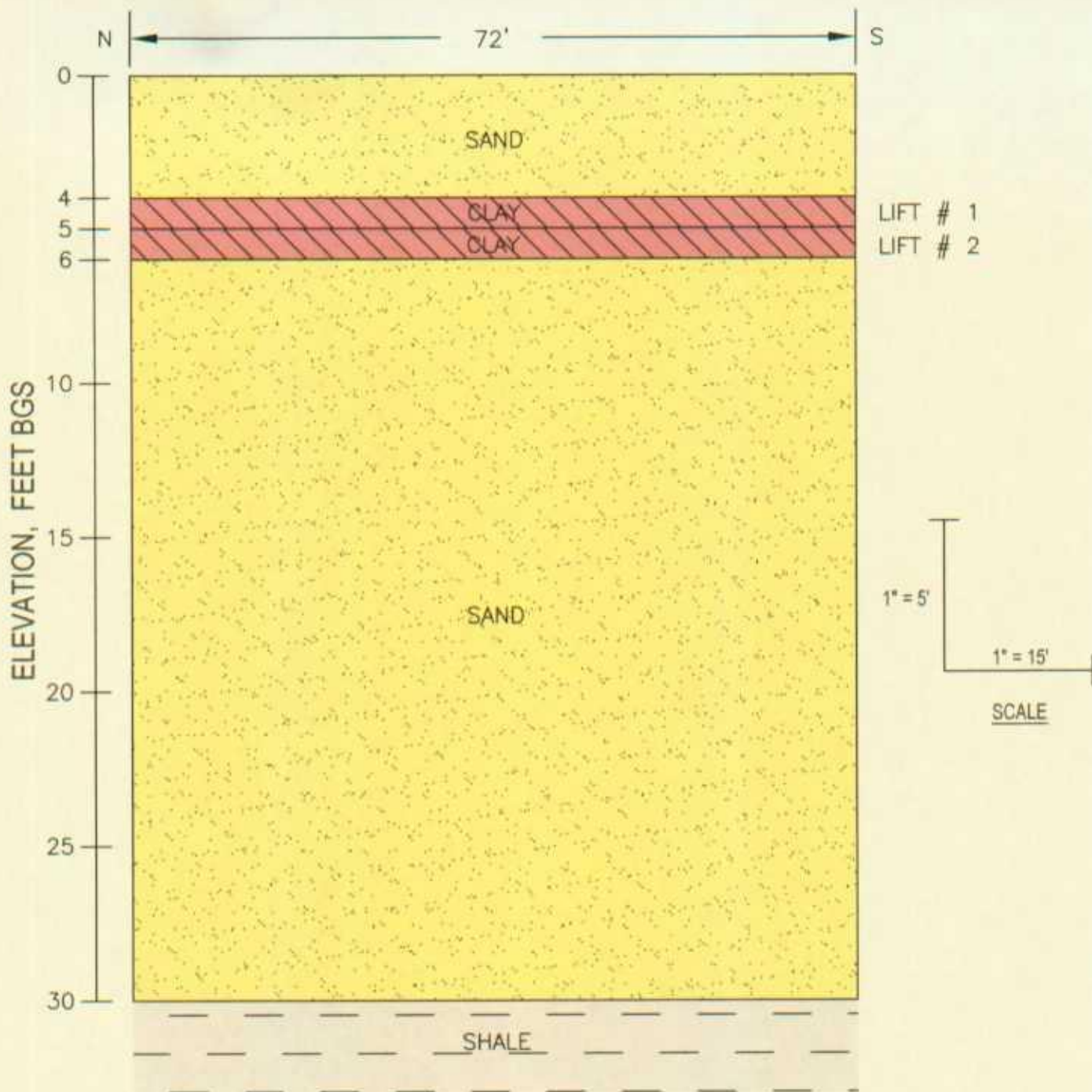


FIGURE #4

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

DANGLADE #2

NE/4, NE/4

SECTION 24, T-22-S, R-37-E

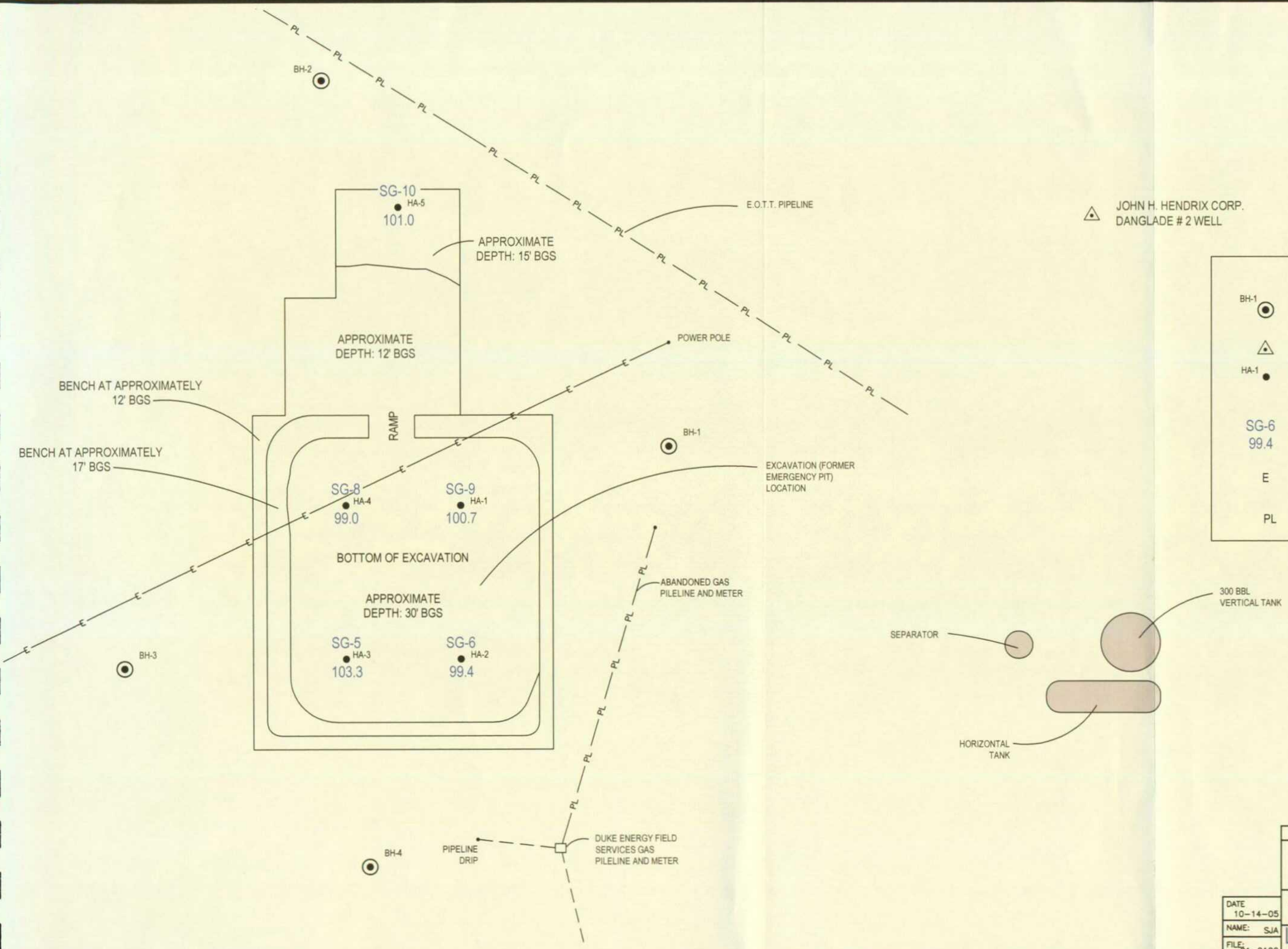
BACKFILL CROSS-SECTION
B - B'

DATE
10-14-05

NAME: SJA

FILE:
01-0100

Larson &
Associates, Inc.
Environmental Consultants



△ JOHN H. HENDRIX CORP.
DANGLADE #2 WELL

LEGEND

- BH-1 - ROTARY - DRILLED BORING LOCATION (APRIL 2001)
- △ - OIL WELL LOCATION
- HA-1 - HAND- AUGER BORING LOCATION (APRIL 2001)
- SG-6 - DENSITY TEST LOCATION (LIFT 1) AND SOIL DENSITY
- 99.4
- E - OVERHEAD ELECTRIC LINE
- PL - PIPELINE

300 BBL VERTICAL TANK

SEPARATOR

HORIZONTAL TANK

GRAPHIC SCALE IN FEET

0 20' 40'

Scale: 1" = 20'

FIGURE #6

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

DANGLADE #2

NE/4, NE/4

SECTION 24, T-22-S, R-37-E

DENSITY AND MOISTURE READINGS, CLAY LIFT #2

MAY 10, 2005

DATE: 10-14-05

NAME: SJA

FILE: 01-0100

Arson & Associates, Inc.
Environmental Consultants

APPENDIX A

Correspondence



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

December 28, 2001

CERTIFIED MAIL

RETURN RECEIPT NO. 7000-1670-0012-5357-8123

Mr. Ron Westbrook
John H. Hendrix Corporation
1102 N. Marienfeld, Suite 400
Midland, Texas 79701

**RE: CASE #1R0341
DANGLADE #2 WELL SITE**

Dear Mr. Westbrook:

The New Mexico Oil Conservation Division (OCD) has reviewed John H. Hendrix Corporation's May 17, 2001 "EMERGENCY PIT INVESTIGATION REPORT, JOHN H. HENDRIX CORP., DANGLADE #2 WELL LOCATION, NE/4, NE/4, 24, TOWNSHIP 22 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO" and May 24, 2001 "LABORATORY REPORT FOR CHLORIDE ANALYSIS, JOHN H. HENDRIX CORP., DANGLADE #2 EMERGENCY PIT INVESTIGATION REPORT, NE/4, 24, TOWNSHIP 22 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO, MAY 17, 2001" which were submitted on behalf of John H. Hendrix Corporation by their consultant Larson & Associates, Inc. These documents contain the results of John H. Hendrix Corporation's investigation and remediation of the soil contamination from an emergency pit at the Danglade #2 well site located in Unit A of Section 24, Township 22 South, Range 37 East, Lea County, New Mexico. The document also requests approval to backfill the excavation and install a clay cap near the surface with a topsoil cover.

The above-referenced request is approved with the following conditions:

1. The closure report shall be submitted to the OCD Santa Fe Office by March 1, 2002 with a copy provided to the OCD Hobbs District Office.
2. John H. Hendrix Corporation shall notify the OCD at least 48 hours in advance of scheduled activities such that the OCD has the opportunity to witness the events.

Please be advised that OCD approval does not relieve John H. Hendrix Corporation of responsibility if remaining contamination poses a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve John H. Hendrix Corporation of responsibility for compliance with any other federal, state or local laws and regulations.

Ron Westbrook
December 28, 2001
Page 2

If you have any questions, please contact me at (505) 476-3491.

Sincerely,

A handwritten signature in dark ink, appearing to read "W. C. Olson". The signature is fluid and cursive, with the first name "William" and last name "Olson" clearly distinguishable.

William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Supervisor
Mark J. Larson, Larson & Associates, Inc.

Mark Larson

From: Olson, William [WOLSON@state.nm.us]
Sent: Monday, March 04, 2002 4:09 PM
To: 'Mark Larson'
Cc: Johnson, Larry; Sheeley, Paul
Subject: CASE #1R341 - Request for Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

The below-referenced extension request is approved. If you have any questions Please contact me.

Sincerely,

William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
(505) 476-3491

-----Original Message-----

From: Mark Larson [mailto:mark@laenvironmental.com]
Sent: Friday, March 01, 2002 8:28 AM
To: wOlson@state.nm.us
Subject: Re: Request for Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Bill: A request for extension is request for the above-referenced site until April 30, 2002. Please call me if you have questions.
Mark Larson

4/5/2004

Mark Larson

From: Olson, William [WOLSON@state.nm.us]
Sent: Tuesday, April 30, 2002 2:42 PM
To: 'Mark Larson'
Subject: RE: CASE #1R341 - Request for Second Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Mark,

The below-referenced extension request is approved. If you have any questions, please contact me.

Sincerely,

William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
(505) 476-3491

-----Original Message-----

From: Mark Larson [mailto:mark@laenvironmental.com]
Sent: Tuesday, April 30, 2002 11:30 AM
To: Olson, William
Subject: Re: CASE #1R341 - Request for Second Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Bill: This is a request for a second extension for completing work at the above-referenced location. An extension is requested until June 15, 2002 for completing the project.

----- Original Message -----

From: Olson, William
To: 'Mark Larson'
Cc: Johnson, Larry ; Sheeley, Paul
Sent: Monday, March 04, 2002 5:09 PM
Subject: CASE #1R341 - Request for Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

The below-referenced extension request is approved. If you have any questions Please contact me.

Sincerely,

William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
(505) 476-3491

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4/5/2004

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To: wOlson@state.nm.us

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Bill: A request for extension is request for the above-referenced site until April 30, 2002. Please call me if you have questions.

Mark Larson

4/5/2004

Mark Larson

From: Olson, William [WOLSON@state.nm.us]
Sent: Friday, June 07, 2002 9:41 AM
To: 'Mark Larson'
Subject: RE: CASE #1R341 - Request for Second Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Mark:

The below-referenced extension request is approved. If you have any questions, please contact me.

Sincerely,

William C. Olson
 New Mexico Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505
 (505) 476-3491

=====

-----Original Message-----

From: Mark Larson [mailto:mark@laenvironmental.com]
Sent: Friday, June 07, 2002 6:45 AM
To: Olson, William
Subject: Re: CASE #1R341 - Request for Second Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Bill:

This is a request for a third (3rd) extension for closure of the excavation at the referenced location. The final detail concerning fill material for the excavation is being worked-out between the landowner and John Hendrix Corp. The extension is request through August 15, 2002? Thank you for your consideration of this request, and call me if you have questions.

Mark J. Larson
 Larson and Associates, Inc.
 507 N. Marienfeld St., Ste. 202
 Midland, Texas 79701
 (915) 687-0901 (office)
 (915) 687-0456 (fax)
 (915) 556-8656 (cell)

----- Original Message -----

From: Olson, William
To: 'Mark Larson'
Sent: Tuesday, April 30, 2002 2:42 PM
Subject: RE: CASE #1R341 - Request for Second Extension for Danglade # 2 Emergency Pit Closure, John H. Hendrix Corp., Lea County, New Mexico

Mark,

4/5/2004

The below-referenced extension request is approved. If you have any questions, please contact me.

Sincerely,

William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
(505) 476-3491

-----Original Message-----

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To: Olson, William
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Cc: Johnson, Larry ; Sheeley, Paul
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(505) 476-3491

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Bill: A request for extension is request for the above-referenced site until April 30, 2002. Please call me if you have questions.
Mark Larson

4/5/2004

APPENDIX B

Pettigrew & Associates, P.A. Report



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Larson & Associates
Attn: Mark Larson
507 N. Marienseld
Suite 202
Midland, TX 79701

Material: Red Clay

Test Method: ASTM: D 2922

Project: Danglade #2

Date of Test: May 10, 2005

Depth: 1' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
RTSG-1	Pit - 20' N. & 30' E. of SE Corner	101.1	14.6	
RTSG-2	Pit - 20' N. & 30' W. of SW Corner	100.0	16.1	
RTSG-3	Pit - 50' S. & 35' W. of NE Corner	102.1	13.5	
RTSG-4	Pit - 60' S. & 30' W. of NE Corner	101.0	13.7	

Control Density: 111.4
ASTM: D 698

Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4381-4384a

Copies To: Larson & Associates
Marvin Burrow

PETTIGREW & ASSOCIATES

BY: Dean Reeves S.E.T.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Larson & Associates
Attn: Mark Larson
507 N. Marienseld
Suite 202
Midland, TX 79701

Material: Red Clay

Test Method: ASTM: D 2922

Project: Danglade #2

Date of Test: May 10, 2005

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-5	Pit - 20' N. & 50' W. of the SE Corner	103.3	14.6	
SG-6	Pit - 30' N. & 23' W. of the SE Corner	99.4	14.5	
SG-7	Pit - 30' N. & 23' E. of the SW Corner	100.0	14.5	
SG-8	Pit - 37' S. & 20' E. of the NW Corner	99.0	14.8	
SG-9	Pit - 37' S. & 20' W. of the NE Corner	100.7	15.9	
SG-10	Pit - 55' N. & 35' E. of the NE Corner	101.0	13.7	

Control Density: 111.4
ASTM: D 698

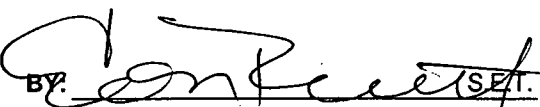
Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4385-4390a

Copies To: Larson & Associates
Marvin Burrow

PETTIGREW & ASSOCIATES

BY:  S.P.T.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Larson & Associates
Attn: Mark Larson
507 N. Mariensfeld
Suite 202
Midland, TX 79701

Material: Red Clay

Test Method: ASTM: D 2922

Project: *Henonix*
Danglade #2 *(pit)*

Date of Test: May 6, 2005

Depth: 1' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 20' N. & 30' E. of SE Corner	85.9	18.5	
SG-2	Pit - 20' N. & 30' W. of SW Corner	89.6	18.4	
SG-3	Pit - 50' S. & 35' W. of NE Corner	85.2	22.6	
SG-4	Pit - 60' S. & 30' W. of NE Corner	81.0	19.5	

Control Density: 111.4
ASTM: D 698

Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4318-4321a

PETTIGREW & ASSOCIATES

Copies To: Larson & Associates
Marvin Burrow

BY *[Signature]* S.E.T.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Larson & Associates
Attn: Mark Larson
507 N. Marienseld
Suite 202
Midland, TX 79701

Material: Red Clay

Test Method: ASTM: D 2922

Project: Danglade #2

Date of Test: May 10, 2005

Depth: 1' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
RTSG-1	Pit - 20' N. & 30' E. of SE Corner	101.1	14.6	
RTSG-2	Pit - 20' N. & 30' W. of SW Corner	100.0	16.1	
RTSG-3	Pit - 50' S. & 35' W. of NE Corner	102.1	13.5	
RTSG-4	Pit - 60' S. & 30' W. of NE Corner	101.0	13.7	

Control Density: 111.4
ASTM: D 698

Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4381-4384a

Copies To: Larson & Associates
Marvin Burrow

PETTIGREW & ASSOCIATES

BY: Dean Reese S.E.T.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
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To: Larson & Associates
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507 N. Marienseld
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Test Method: ASTM: D 2922

Project: Danglade #2

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Depth: Finished Subgrade

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Control Density: 111.4
ASTM: D 698

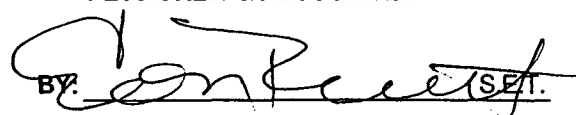
Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4385-4390a

Copies To: Larson & Associates
Marvin Burrow

PETTIGREW & ASSOCIATES

BY:  SPT.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
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Date of Test: May 6, 2005

Depth: 1' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 20' N. & 30' E. of SE Corner	85.9	18.5	
SG-2	Pit - 20' N. & 30' W. of SW Corner	89.6	18.4	
SG-3	Pit - 50' S. & 35' W. of NE Corner	85.2	22.6	
SG-4	Pit - 60' S. & 30' W. of NE Corner	81.0	19.5	

Control Density: 111.4
ASTM: D 698

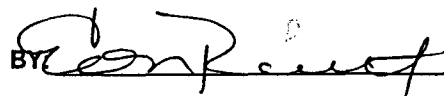
Optimum Moisture: 16.8%

Required Compaction: 95%

Lab No.: 05 4318-4321a

PETTIGREW & ASSOCIATES

Copies To: Larson & Associates
Marvin Burrow

BY  S.E.T.

APPENDIX C

Photographs

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



1. Dangle # 2 well sign



2. Unfilled excavation, looking north



3. Unfilled excavation, looking northeast

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



4. Unfilled excavation, looking northwest



5. Filling excavation, looking north



6. Filling excavation, looking east

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



7. Filling excavation, looking northwest



8. Filling excavation, looking southwest



9. Filled excavation, looking north

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



10. Filled excavation, looking west



11. Unloading clay, looking northwest



12. Spreading clay, looking west

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



13. Spreading clay, looking northwest



14. Spreading clay, looking northeast



15. Spreading clay, looking northwest

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



16. Spreading clay, looking north



17. Compacting clay, looking southeast



18. Closed evacuation, looking north

SECTION 24, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
DANGLADE # 2



19. Closed evacuation, looking southwest



20. Looking west from Danglede well # 2 tank battery



21. Looking west from Danglede well # 2

APPENDIX D

Form C-144

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: John H. Hendrix Corp Telephone: (432) 684-6631 e-mail address: ronniew@jhhc.org
Address: 110 N. Marienfeld, St., Ste. 400, Midland, TX 79701
Facility or well name: Danglade #2 API # 3002523609 U/L or Qtr/Qtr A Sec 24 T 22S R 37E
County: Lea Latitude N32° 23' 00.6" Longitude W103° 06' 43.0" Q'AD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐


Pit	Below-grade tank
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume <u>250</u> bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 0 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points) 0
Ranking Score (Total Points) 0	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility EPI Landfarm. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Refer to report titled, "Emergency Pit Investigation Report, John H. Hendrix Corp., Danglade #2 Well Location, NE/4, NE/4, 24, Township 22 South, Range 37 East, Lea County, New Mexico, May 17, 2001".

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10/24/05

Printed Name/Title Mark J. Larson / Agent Signature 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title _____ Signature _____ Date: _____