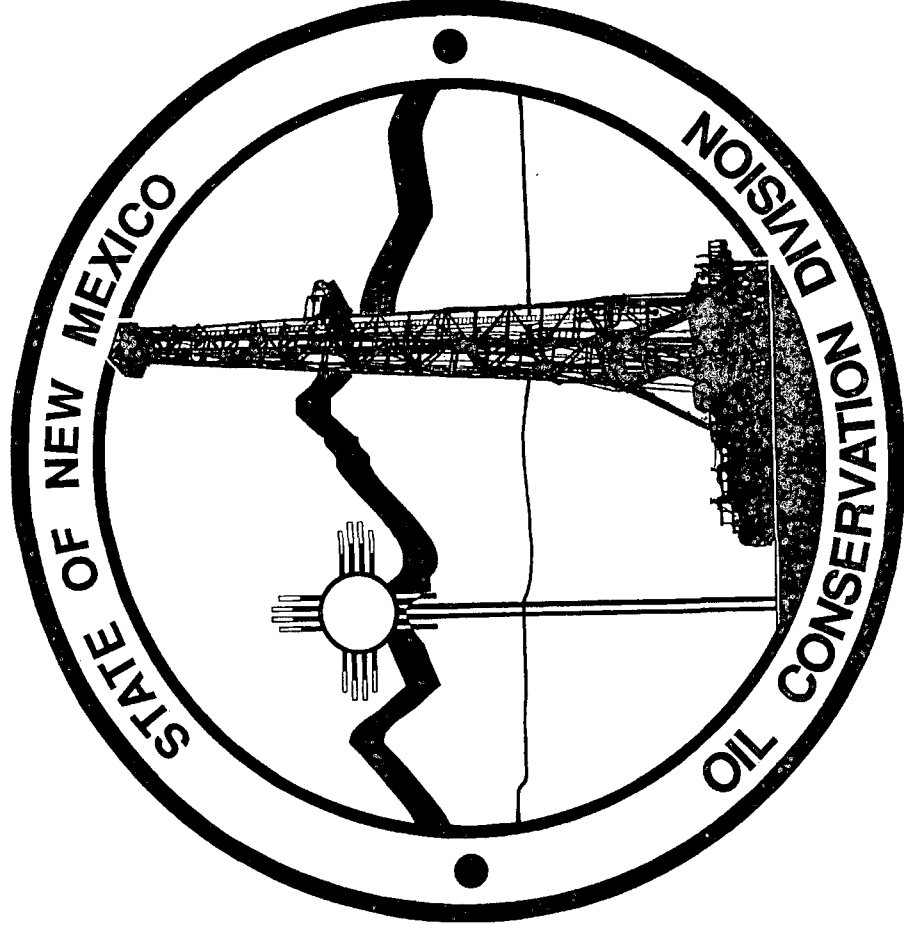


CASE NO. 14015
OCD EXHIBIT 33

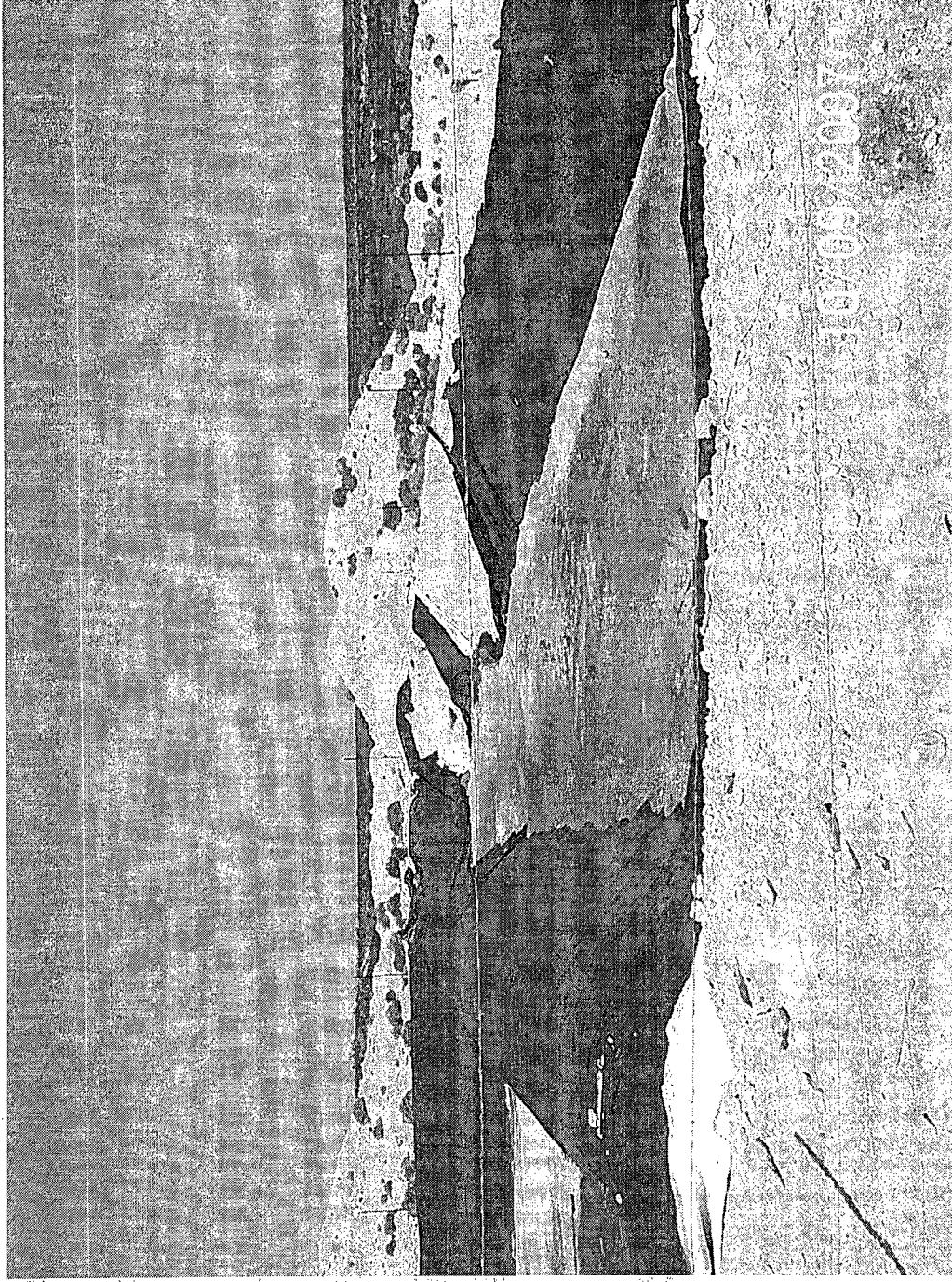


Chi Operating Footjoy 14 State 001 (API# 30-015-33721)

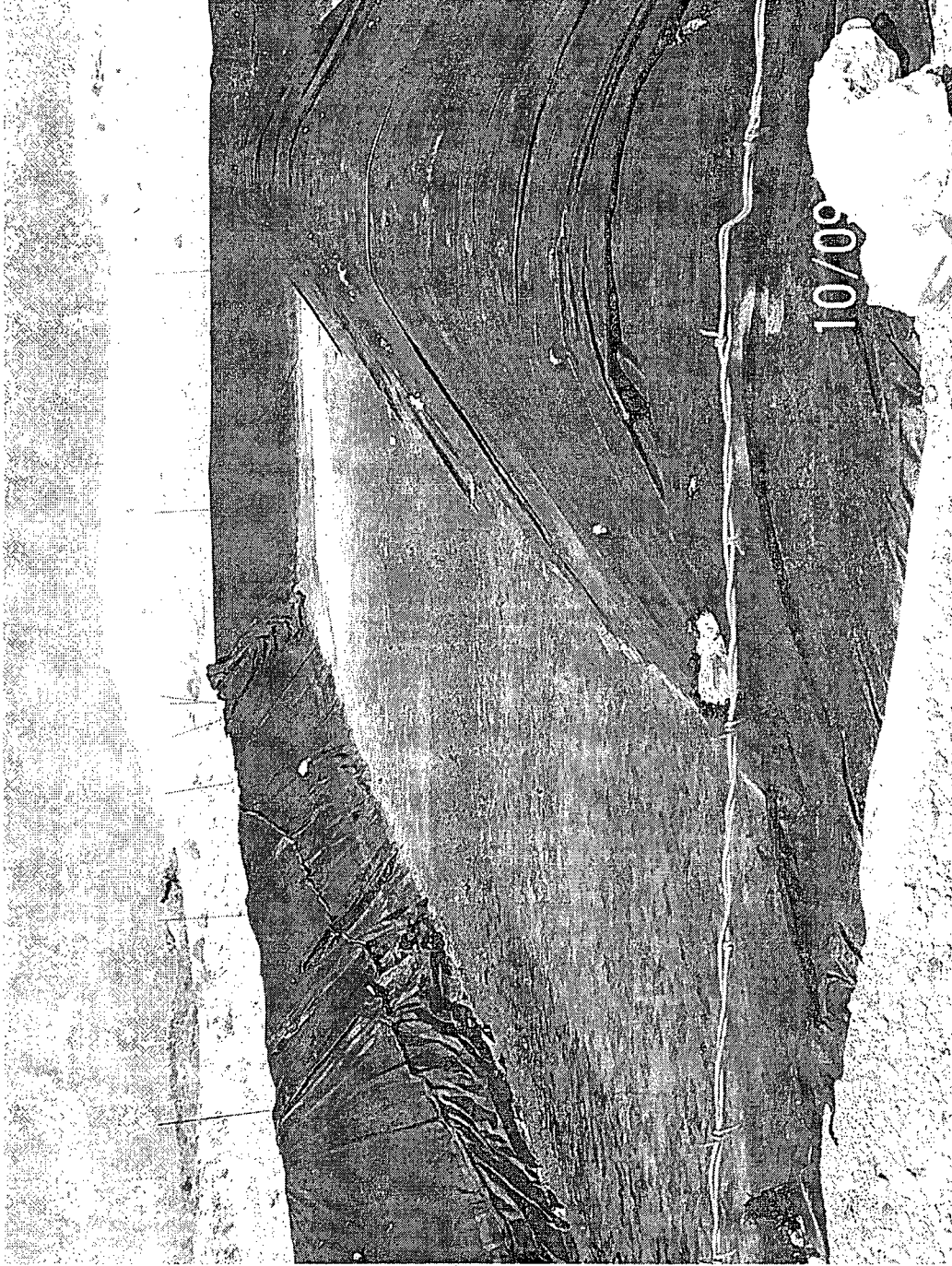
UL: A-14-19S-27E (Eddy County)

- Pit is currently part of an ongoing NOV, and is an example of deterioration of neglected pit.
- Pit was permitted on the small block section of a Form C-101.
- Operator entered "Minimum required unless condition dictated stronger mil liner thickness."
- If pit had been permitted separately on Form C-144, operator would have specified liner thickness.
- On the C-144 closure proposal submitted in 11/05, operator indicated that a 12-mil liner was used.
- Spud date for well was 3/9/05; consequently, the pit was probably constructed in late 2/05.

Chi Operating Footjoy 14 State 001



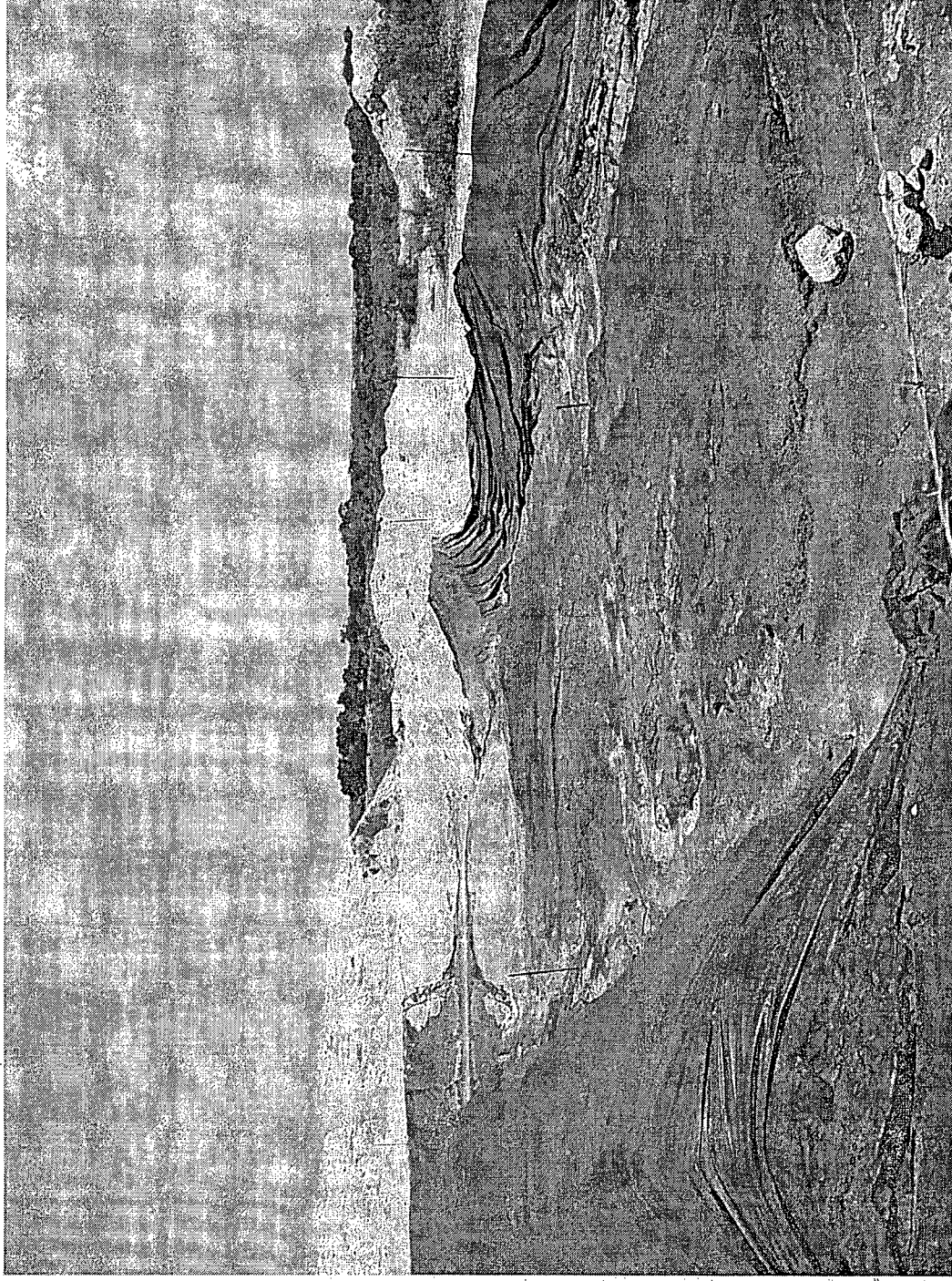
Chi Operating Footjoy 14 State 001



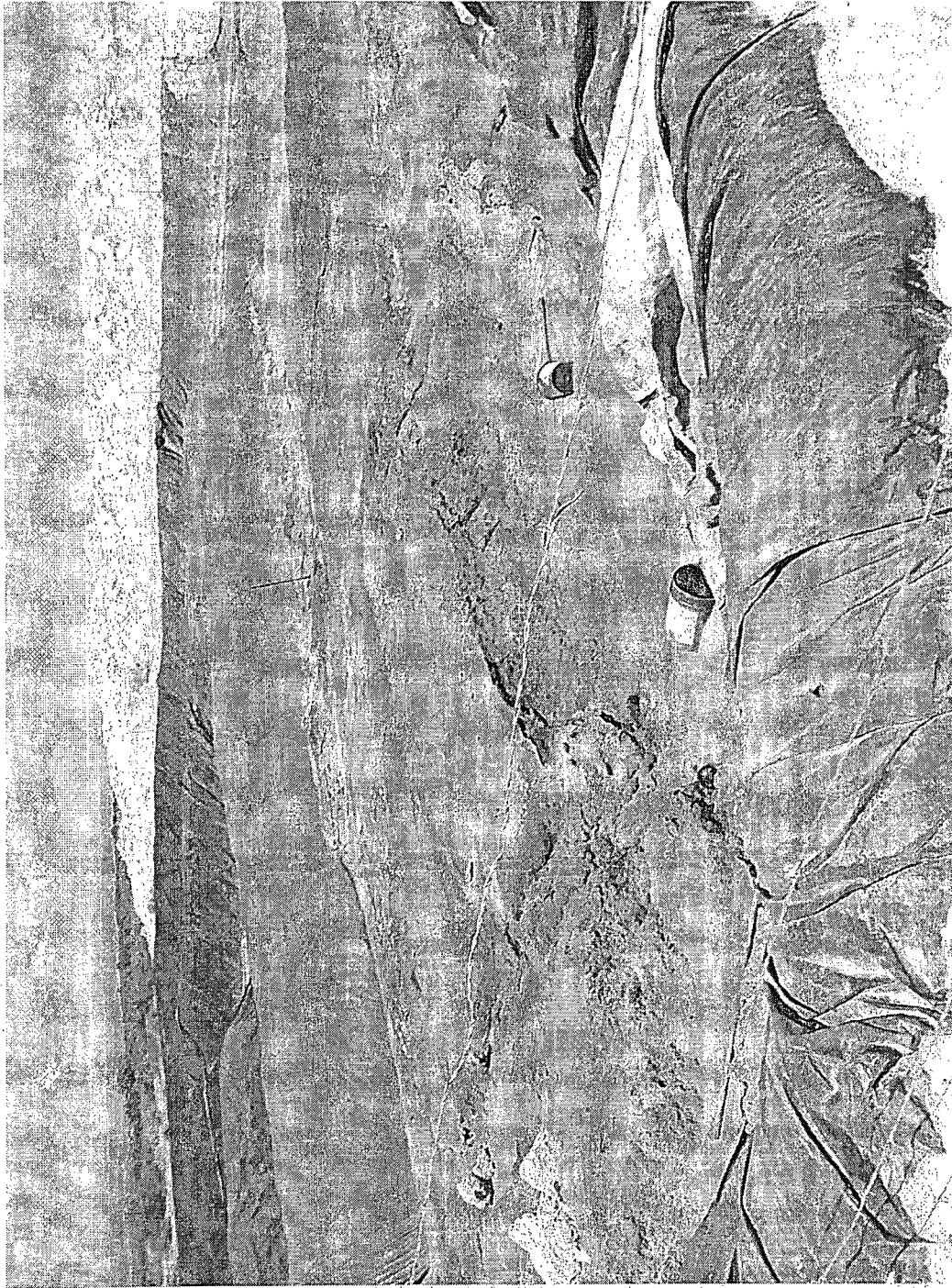
Crawford #26-2 Reserve Drilling Pit (API# 30-015-33228)
Sec. 26 24S-26E (Eddy County)

- Pit constructed prior to 2004
- Pit has been closed, and is an example of an untimely closed pit where gas was flared into the pit melting the liner & downward leaching of chlorides into soil.

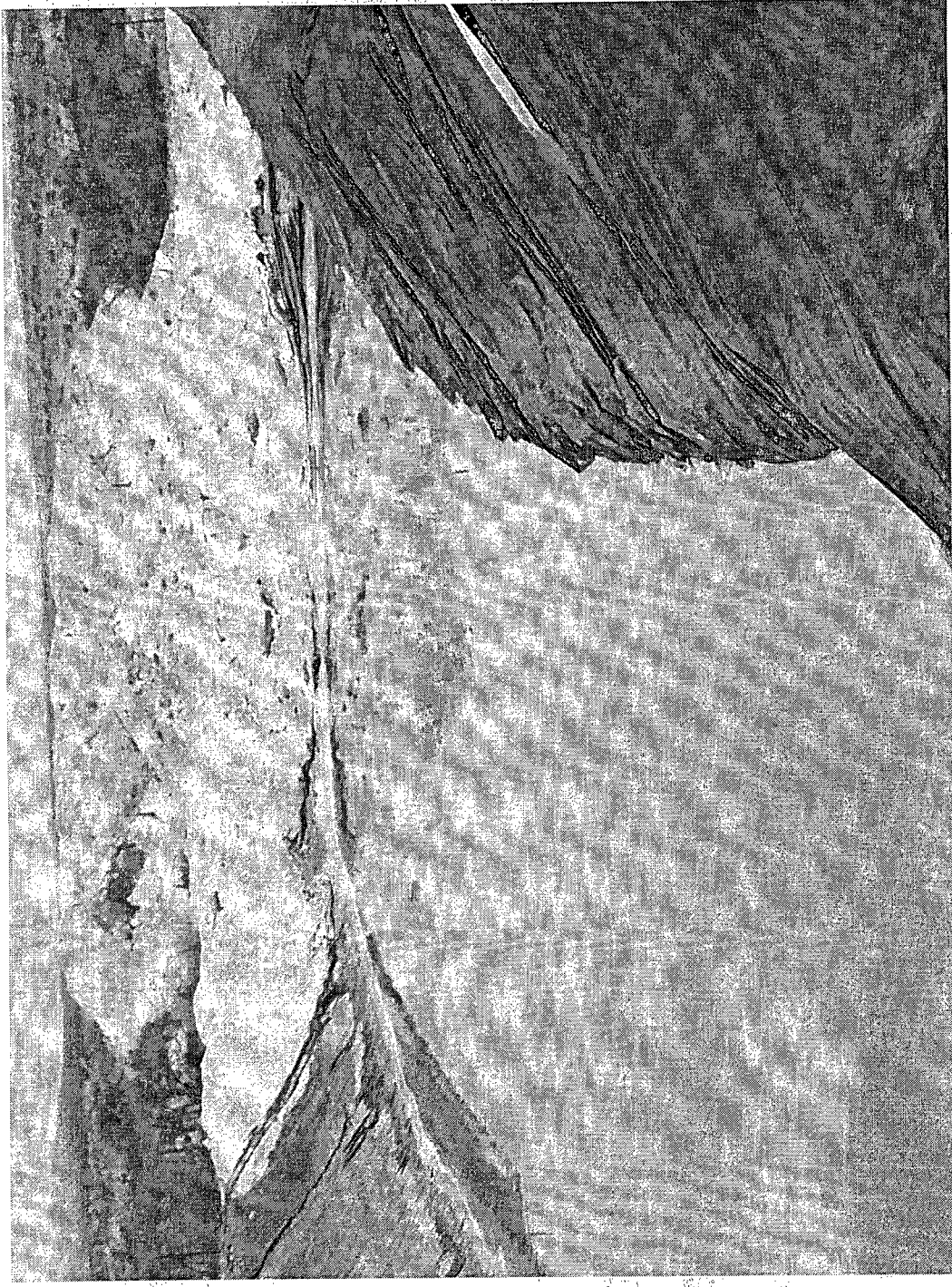
**Crawford #26-2 Reserve Drilling Pit (API# 30-015-
33228) Sec. 26 24S-26E (Eddy County)**



Crawford #26-2 Reserve Drilling Pit (API# 30-015-33228)
Sec. 26 24S-26E (Eddy County)



**Crawford #26-2 Reserve Drilling Pit (API# 30-015-33228)
Sec. 26 24S-26E (Eddy County)**



UL:K
30-015-35393)
API# 30-015-35393)
UL:K
Polaris B Federal #8 (API# 30-015-35393)
9-17S-30E (Eddy County)

- Based on analytical data collected during pit closure, it is believed that chloride contamination in soil is due to pit liner failure during the drilling process.

9

Page 9 of 11

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Fonn C-144
June 1, 2004

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: COG Operating LLC Telephone (432) 685-4372 e-mail address: DKuykendall@conchoresources.com	
Address 550 W. Texas, Suite 1300 Midland, TX 79701	
Facility or well name Polaris B Federal #8	API # 30-015-35393 U/L or Qtr/Qtr K Sec 9 T 17S R 30E
County Eddy	Latitude Longitude NAD 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 3000 bbl	Below-grade tank Volume: bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ 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) 100 feet or more (0 points) 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 Points
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 Points
Ranking Score (Total Points) 0 Points	

Month - Year
APR 18 2007
OCD - ARTESIA, NM

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 (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:

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: 4/17/07

Printed Name/Title Jerry W. Sherrell/Production Clerk

Signature

Jerry W. Sherrell

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

Jim W. Gurno
District II Supervisor

Date:

4/23/07

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

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: COG Operating, LLC		Telephone: (432) 685-4340		e-mail address: PLdwatds@conchorsources.com	
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701					
Facility or well name: Polaris H Federal #8		API #: 30-015-35393		UL or Qtr/Qtr: K Sec 9 T-17-S R-30-E	
County: Eddy		Latitude: 32 848022N		Longitude: 103 977533W NAID: 1927 X 1983 ☐	
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐					
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume: 3,000 bbl			Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not: _____		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water): 110'			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: _____ (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:
Closed by trench burial, procedure attached, on 10-5-2007, on verbal approval by Mike Bratcher
Lab and field sample results are attached
Removed additional 8-9' of material from southwest corner of pit and placed in burial trench after field sampling.

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 X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10-16-07

Printed Name/Title: Gary Miller, 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: _____

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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: EOG Resources, Inc.

Telephone: (432) 686-3642

e-mail address: Donny_Glanton@eogresources.com

Address: P.O. Box 2267 Midland, Texas 79702

Facility or well name: Phantom Draw Federal Unit No. 3

API #: 30-015-31131

U/L I Sec 20 T26S - R 31E

OCT 18 2007

County: Eddy

Latitude

Longitude

NAD: 1927 ☐ 1983 ☐

Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

OCD-ARTESIA

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil - Clay ☐

Pit Volume 1,500 bbl's

Below-grade tank

Volume: bbl Type of fluid:

Construction material:

Double-walled, with leak detection? Yes ☐ 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)

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)

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)

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: (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:

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 X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10/18/2007

Printed Name/Title: Donny G. Glanton / Agent

Signature

Donny G. Glanton

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

Signed By *Mike Deane*

OCT 19 2007

Date

AS A CONDITION OF APPROVAL, A DETAILED CLOSURE PLAN
MUST BE APPROVED BEFORE CLOSURE MAY COMMENCE.

Analytical Data

Polaris B Federal #8 (API# 30-015-35393) UL:K
9-17S-30E (Eddy County)

- Page 10.TIF

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NW NE x

x Center x

x SW SE x

• Wellhead

Well Pad

x _____ Indicates Sample Location
(Name by quarter i.e. NW, NE etc)

↑ Draw In North Arrow

Depth of pit in feet 10

Client: COG

Well Name: Polaris B48

API# 30-015-35393

Report Date: October 15, 2007
3184

Work Order: 7100926
COG/Polaris B Federal #8

Page Number: 1 of 2
Eddy County, NM

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: October 15, 2007

Work Order: 7100926



Project Location: Eddy County, NM
Project Name: COG/Polaris B Federal #8
Project Number: 3184

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
138815	NE 2'	soil	2007-10-05	00:00	2007-10-09
138816	NW 2'	soil	2007-10-05	00:00	2007-10-09
138817	SE 2'	soil	2007-10-05	00:00	2007-10-09
138818	SW 15'	soil	2007-10-05	00:00	2007-10-09
138819	Center 2'	soil	2007-10-05	00:00	2007-10-09

Sample: 138815 - NE 2'

Param	Flag	Result	Units	RL
Chloride		182	mg/Kg	2.00

Sample: 138816 - NW 2'

Param	Flag	Result	Units	RL
Chloride		200	mg/Kg	2.00

Sample: 138817 - SE 2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 138818 - SW 15'

Param	Flag	Result	Units	RL
Chloride		188	mg/Kg	2.00

Sample: 138819 - Center 2'

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1206
This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: October 15, 2007
3184

Work Order: 7100926
COG/Polaris B Federal #8

Page Number: 2 of 2
Eddy County, NM

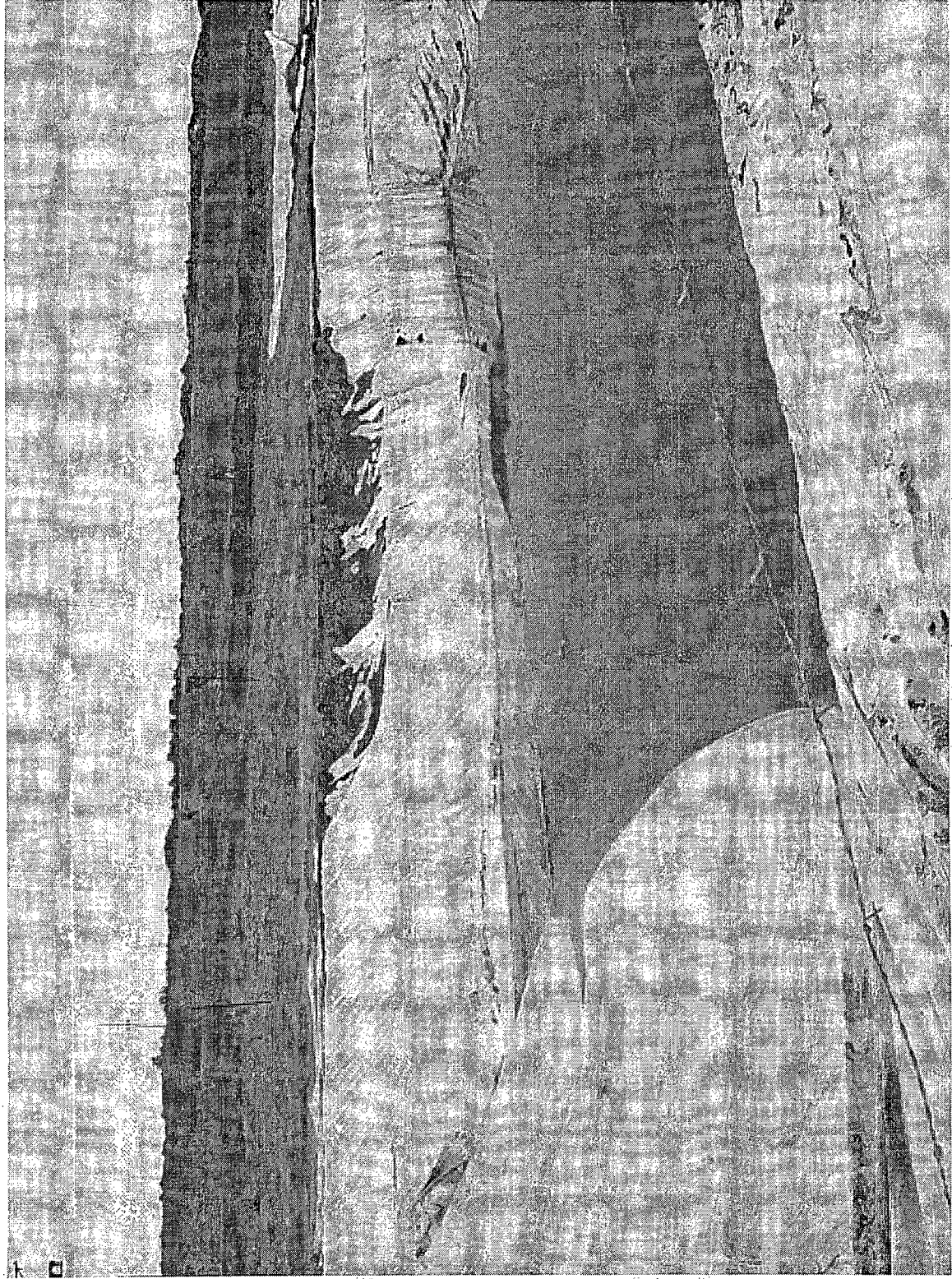
Param	Flag	Result	Units	RL
Chloride		120	mg/Kg	2.00

Dodd Federal Unit 110 (API# 30-015-35139)

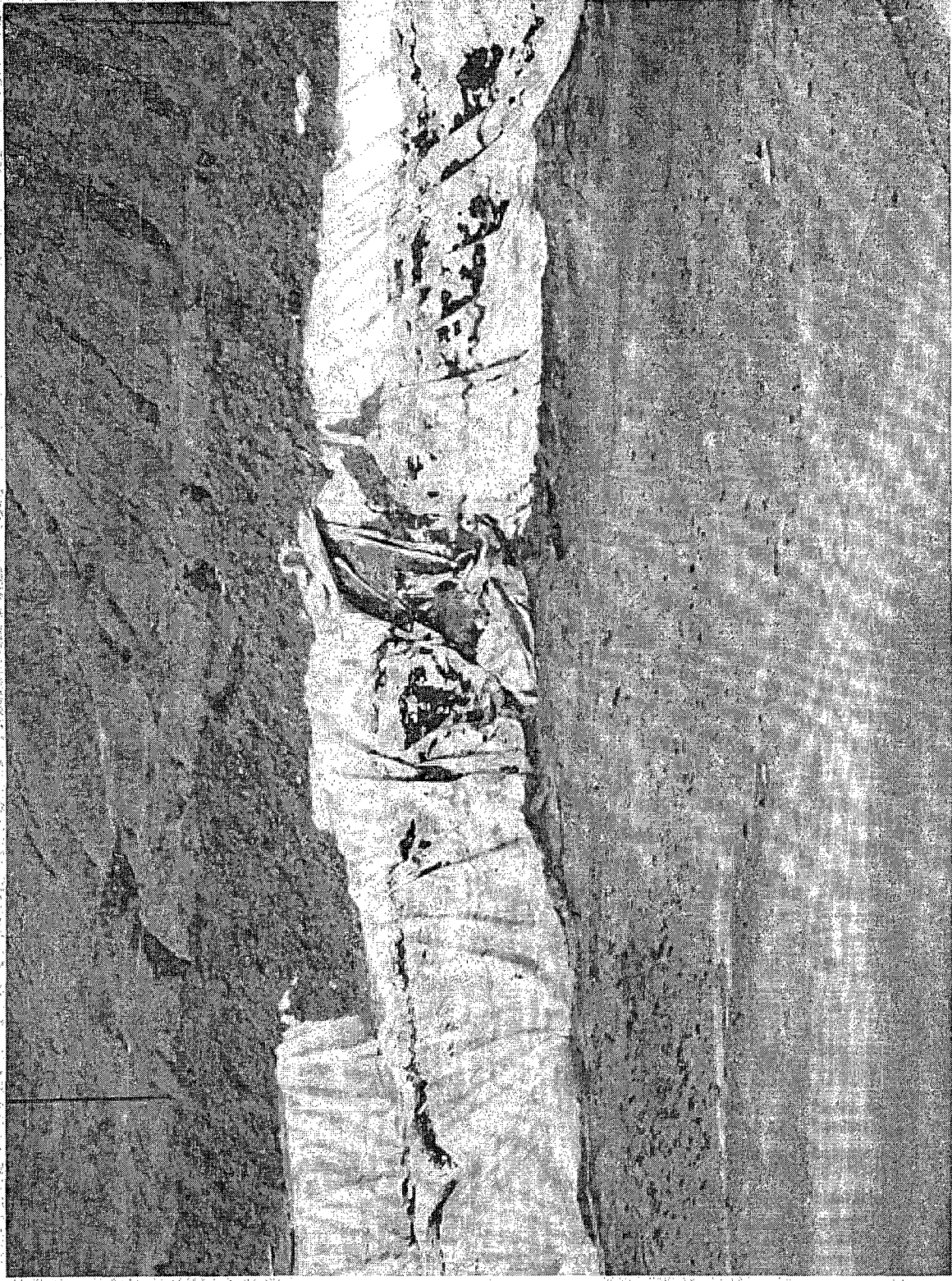
UL: P-15-17S-29E (Eddy County)

- Pit liner was believed to have been breached at some point during the drilling process.
- During closure, chloride impact was delineated to approximately 40' below pad grade.
- Lithology below the pit was mostly sandy, sandy/loam interspersed with sandy clay and caliche stringers. A more compacted clay was encountered starting at approximately 35' below pad grade.

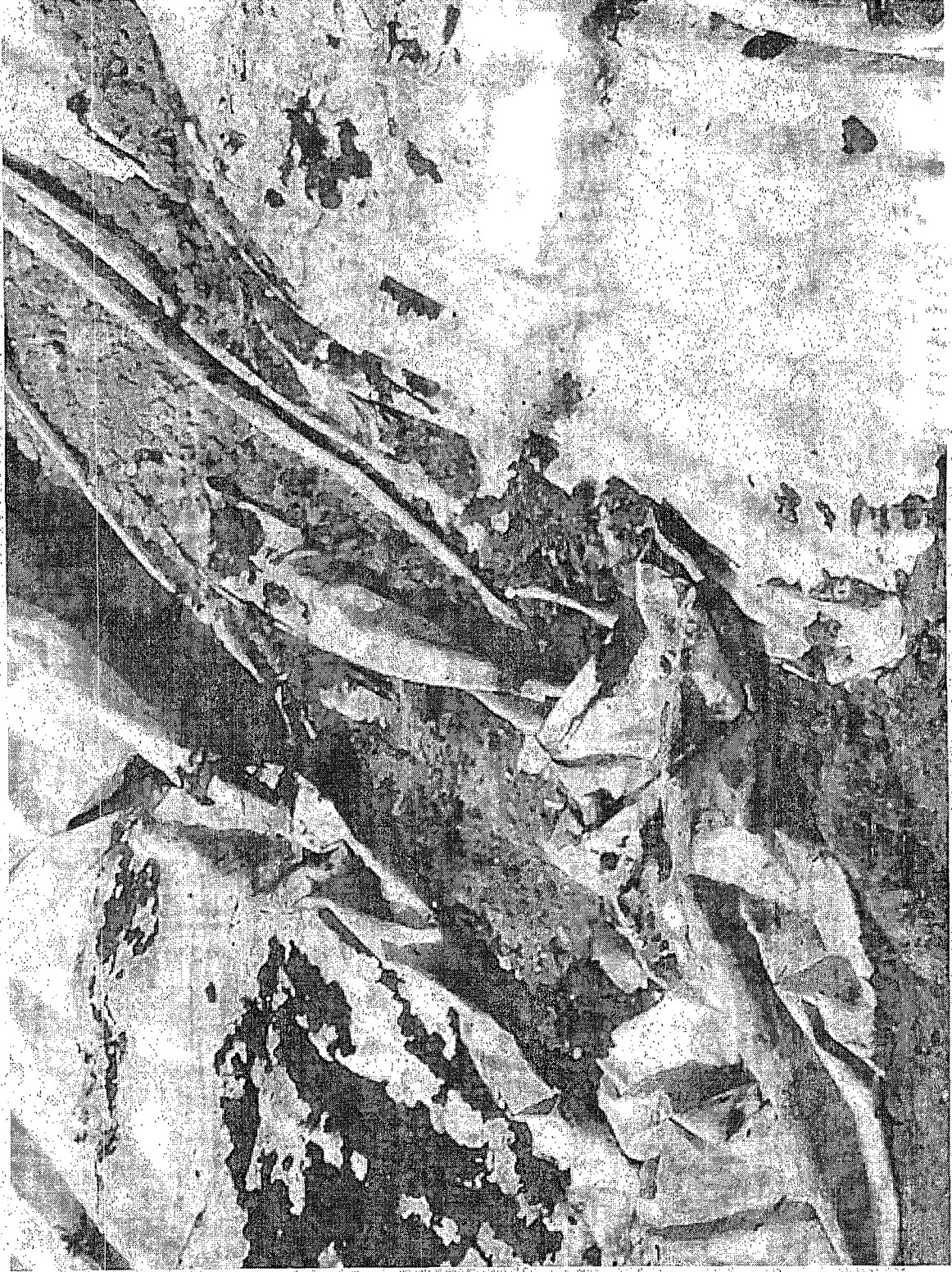
**Dodd Federal Unit 110 (API# 30-015-35139)
UL: P-15-17S-29E (Eddy County)**



**Dodd Federal Unit 110 (API# 30-015-35139)
UL: P-15-17S-29E (Eddy County)**

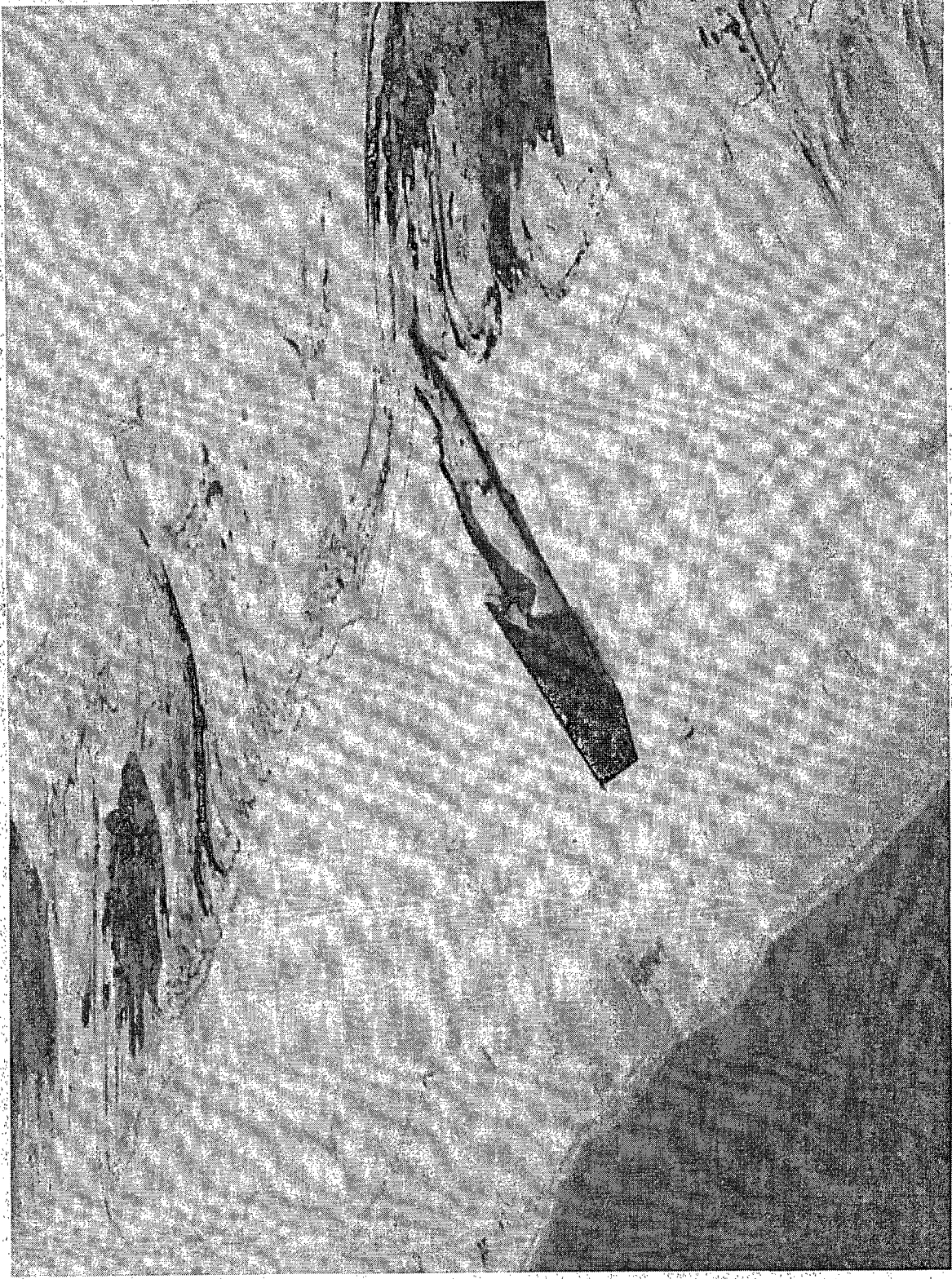


**Dodd Federal Unit 110 (API# 30-015-35139)
UL: P-15-17S-29E (Eddy County)**

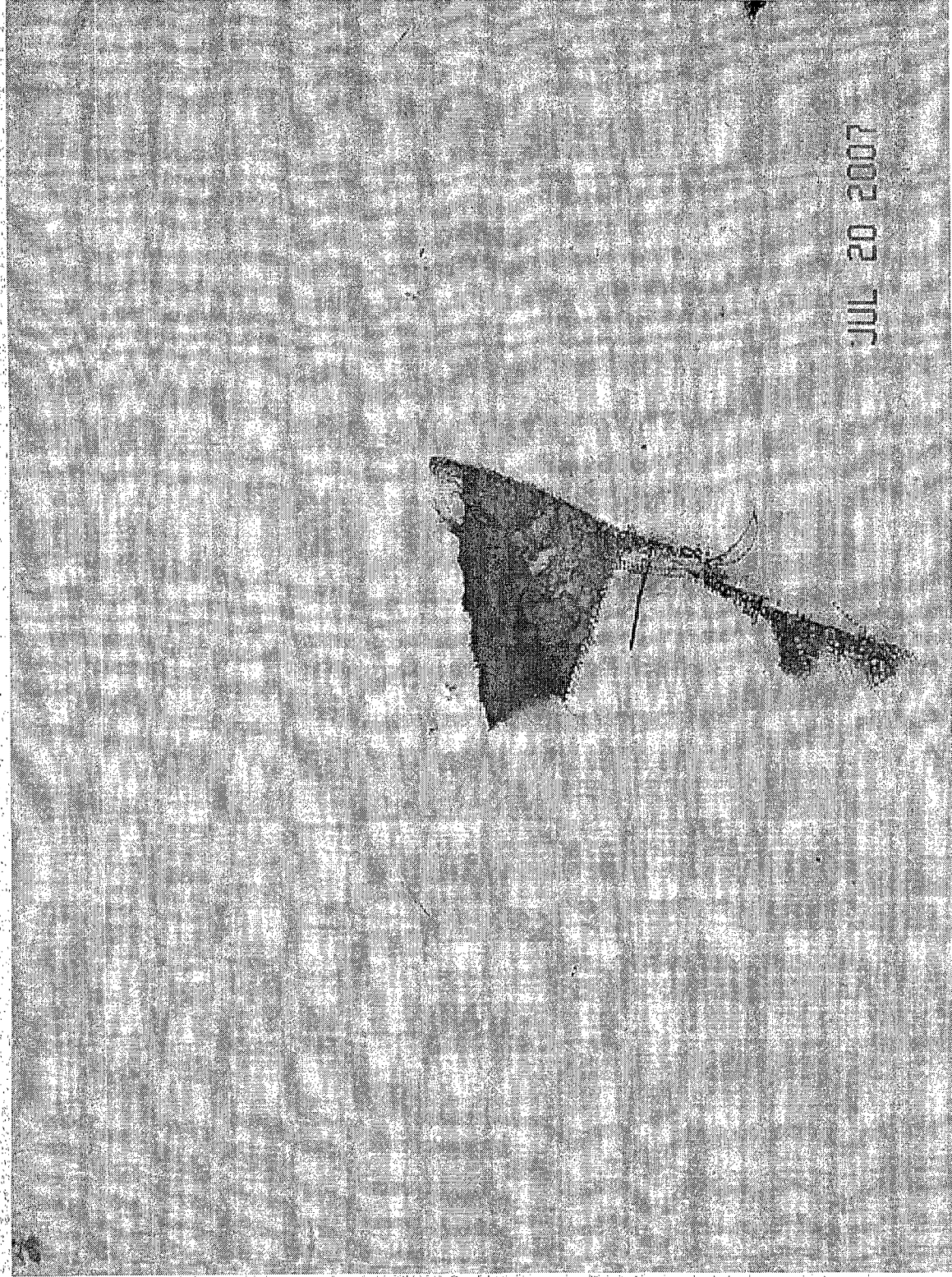


Dodd Federal Unit 110 (API# 30-015-35139)

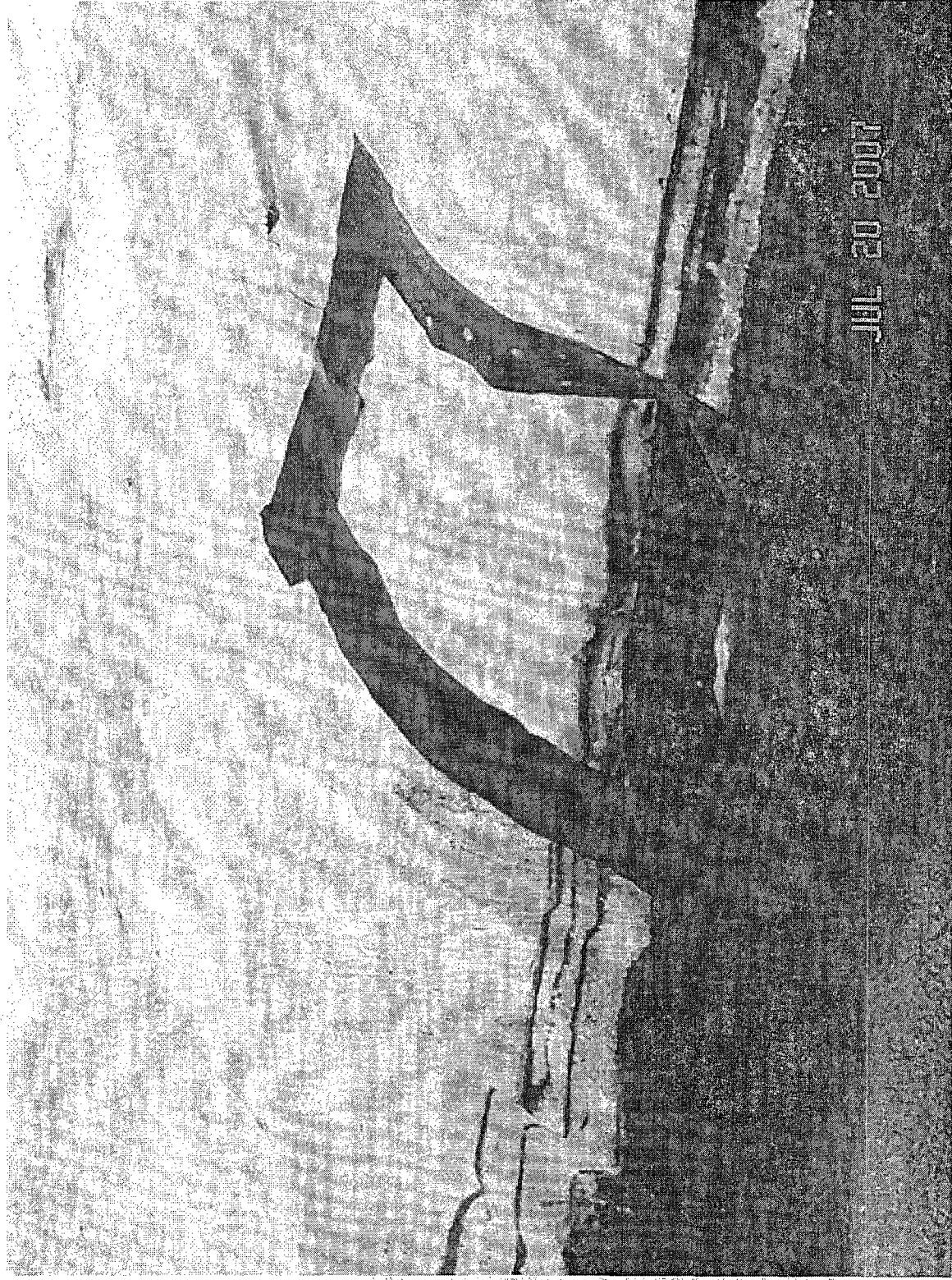
UL: P-15-17S-29E (Eddy County)



**Dodd Federal Unit 110 (API# 30-015-35139)
UL: P-15-17S-29E (Eddy County)**



**Dodd Federal Unit 110 (API# 30-015-35139)
UL: P-15-17S-29E (Eddy County)**

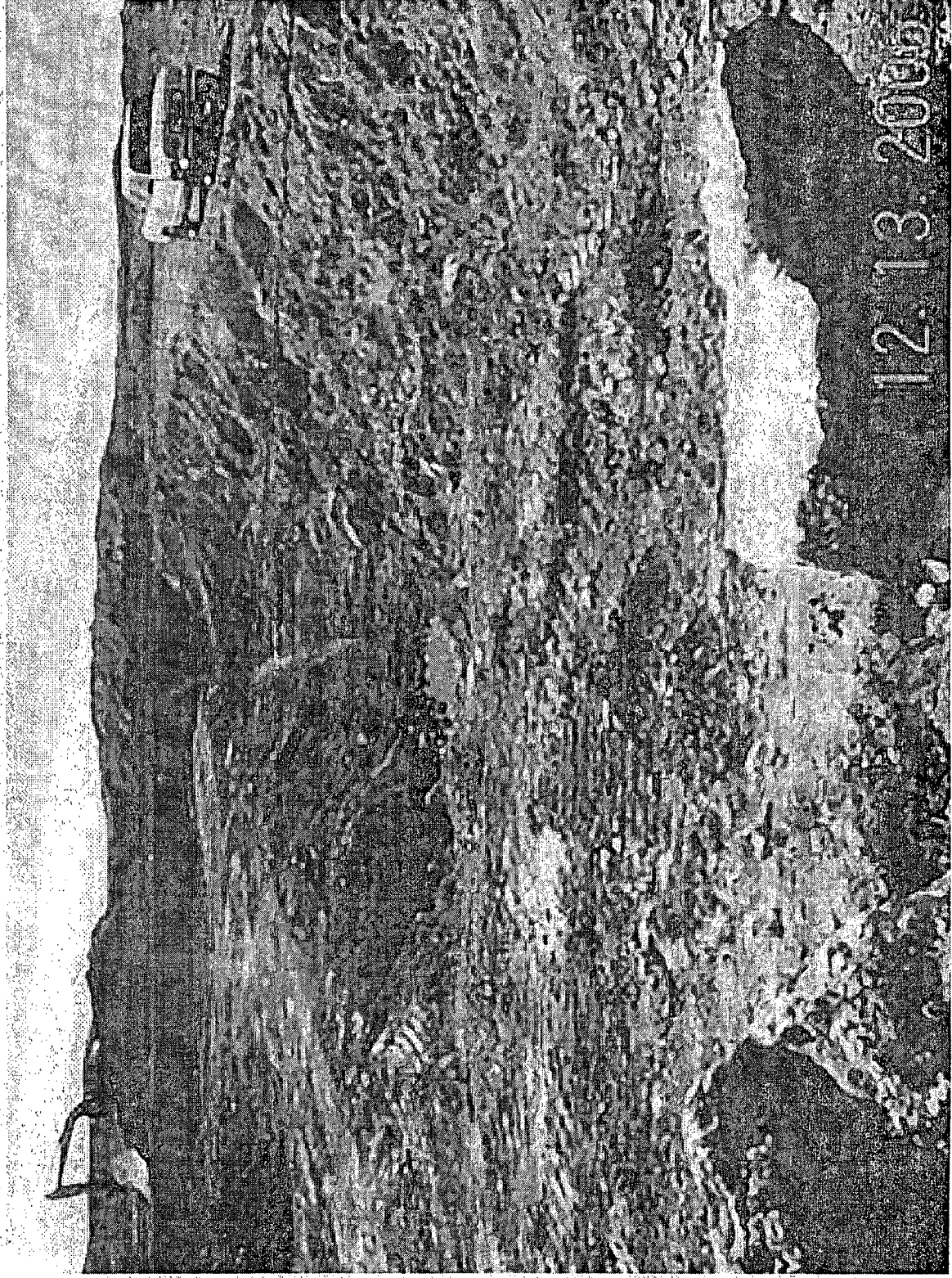


JUL 20 2007

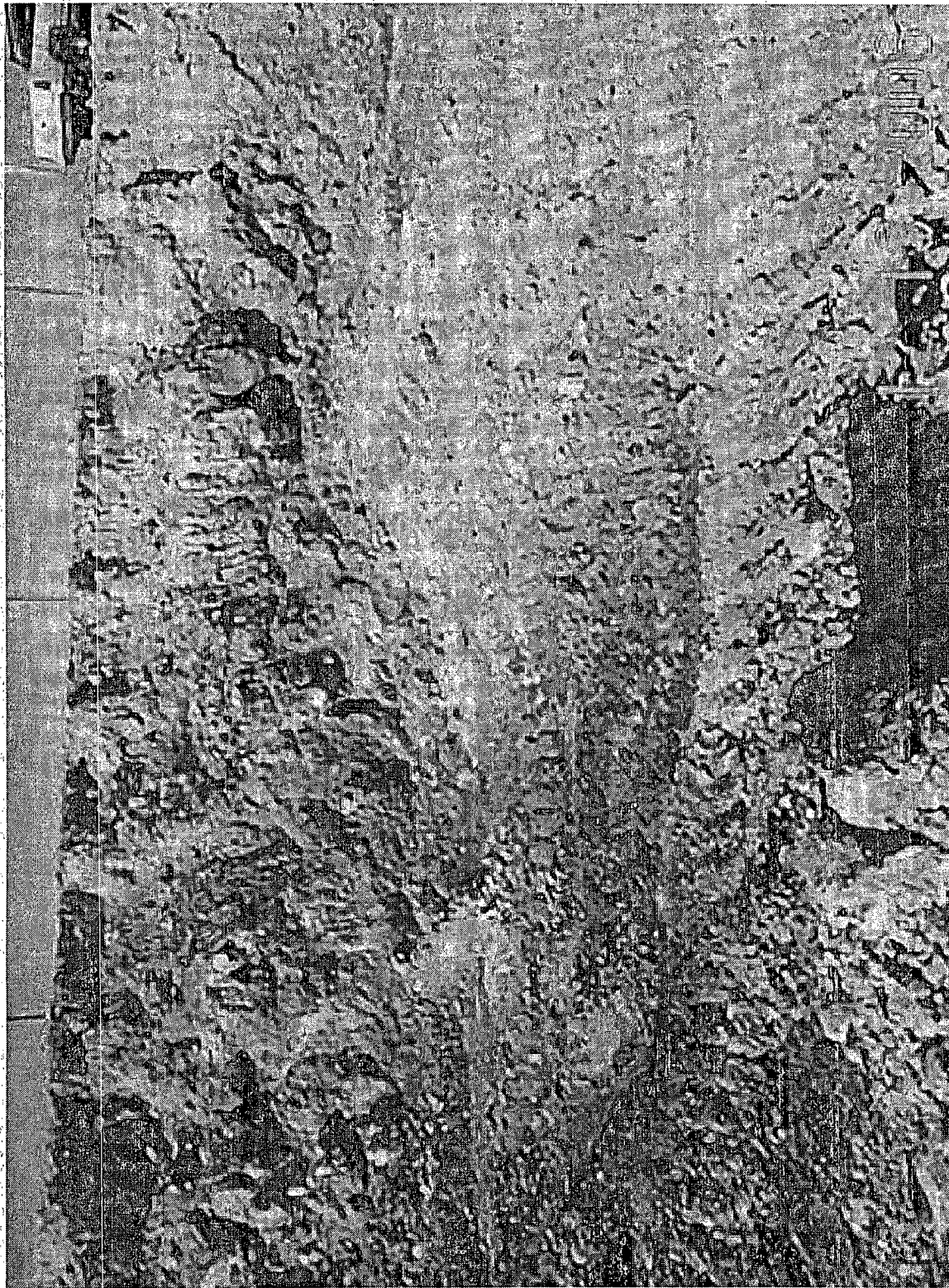
Moore Federal Com No.4 (API# 30-015-33906) 35-24S-26E (Eddy County)

- Pit liner is believed to have been breached at some point during the drilling process allowing fluids to escape and accumulate in the underlying formation.
- When the pit contents were moved back during the closure process, the fluids migrated back into the pit area.
- An analysis of the fluids indicated chloride levels in the 85,000 mg/kg range.

**Moore Federal Com No.4 (API# 30-015-33906) 35-24S-26E
(Eddy County)**



**Moore Federal Com No.4 (API# 30-015-33906) 35-24S-26E
(Eddy County)**



**Moore Federal Com No.4 (API# 30-015-33906) 35-24S-26E
(Eddy County)**



Analytical Data

Moore Fed. Com No.4 (API# 30-015-33906) 35-
24S-26E (Eddy County)

- Page 22.TIF

Summary Report

Tommy Folsom
Murchison Oil & Gas Inc.
P.O. Box 627
Carlsbad, NM, 88220

Report Date: November 3, 2006

Work Order: 6110205



30-015-33906

Project Number: Moore Fed. Com No.4

35-24-26

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
107464	Background N. Side	soil	2006-11-01	08:50	2006-11-02
107465	Pit Bottom Insitu SW Comp	soil	2006-11-01	09:20	2006-11-02
107466	Insitu Pit Bottom NW Comp	soil	2006-11-01	09:10	2006-11-02
107467	Backgrd Behind Backfill S	soil	2006-11-01	08:30	2006-11-02
107468	Backgrd Stockpile Center	soil	2006-11-01	08:40	2006-11-02
107469	Backgrnd E Side Comp.	soil	2006-11-01	09:30	2006-11-02

Sample - Field Code	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
107464 - Background N. Side	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
107465 - Pit Bottom Insitu SW Comp	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
107466 - Insitu Pit Bottom NW Comp	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
107467 - Backgrd Behind Backfill S	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
107468 - Backgrd Stockpile Center	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
107469 - Backgrnd E Side Comp.	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 107464 - Background N. Side

Param	Flag	Result	Units	RL
Chloride		6.73	mg/Kg	1.00

Sample: 107465 - Pit Bottom Insitu SW Comp

Param	Flag	Result	Units	RL
Chloride		43500	mg/Kg	1.00

Sample: 107466 - Insitu Pit Bottom NW Comp

Param	Flag	Result	Units	RL
Chloride		10000	mg/Kg	1.00

Report Date: November 3, 2006
Moore Fed. Com No.4

Work Order: 6110205

Page Number: 2 of 2

Sample: 107467 - Backgrd Behind Backfill S

Param	Flag	Result	Units	RL
Chloride		12.1	mg/Kg	1.00

Sample: 107468 - Backgrd Stockpile Center

Param	Flag	Result	Units	RL
Chloride		10.4	mg/Kg	1.00

Sample: 107469 - Backgrnd E Side Comp.

Param	Flag	Result	Units	RL
Chloride		6.93	mg/Kg	1.00