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

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: Cimarex Energy Co of Colorado Telephone: 505-628-3447 e-mail address: bobbyrogers@aol.com
Address: 204 S Mesa, Carlsbad, NM
Facility or well name: Mescalero 30 Federal No 7 API #: 30-025-38595 U/L or Qtr/Qtr M Sec 30 T 19S R 34E
County: Lea Latitude 32° 37' 33.59 N Longitude 103° 36' 21.66 W NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	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.) 85'	Less than 50 feet (50 feet or more, but less than 100 feet) 100 feet or more	(20 points) (10 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 (No)	(20 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 200 feet or more, but less than 1000 feet (1000 feet or more)	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	10

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 your 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 and finished on 4-9-08
Deep Burn

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: 4/10/2008 Printed Name/Title Bobby Rogers 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: 4.22.08
ENVIRONMENTAL ENGINEER

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
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State of New Mexico
Energy Minerals and Natural Resources

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1220 South St. Francis Dr.
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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

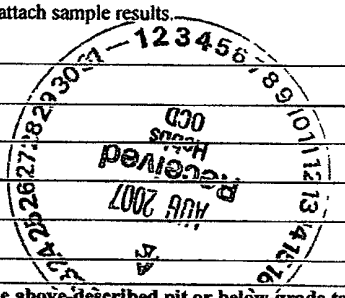
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator Cimarex Energy Co of Colorado Telephone 972-401-3111 e-mail address zfarris@cimarex.com
Address PO Box 140907, Irving, TX 75014-0907
Facility or well name Mescalero 30 Federal No 7 API # 30-025- 38595 U/L or Qtr/Qtr M Sec 30 T 19S R 34E
County Lea Latitude 32° 37' 33 59 N Longitude 103° 36' 21 66 W 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 _____ bbl closed system, cuttings buried	**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) 85'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 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 No	(20 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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	10

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 your 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 08.17.07
Printed Name/Title Natalie Krueger – Regulatory Analyst Signature Natalie Krueger

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 CHRIS WILLIAMS / DIST. SUPV. Signature Chris Williams Date 10/24/07

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: April 14, 2008

Work Order: 8041036

Project Location: Sec. 30, T19S, R34E
Project Name: Mescalero 30 Fed. #7
Project Number: API 30-025-38595

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
156395	#001 SW Corner 3'	soil	2008-04-01	12:00	2008-04-10
156396	#002 SE Corner 3'	soil	2008-04-01	13:00	2008-04-10
156397	#003 NW Corner 3'	soil	2008-04-01	14:00	2008-04-10
156398	#004 NE Corner 3'	soil	2008-04-01	15:00	2008-04-10
156399	#005 Background 0-6"	soil	2008-04-01	16:00	2008-04-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 156395 - #001 SW Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47421	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40774	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**52.8**	mg/Kg	10	3.25

Sample: 156396 - #002 SE Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47421	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40774	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.1**	mg/Kg	10	3.25

Sample: 156397 - #003 NW Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47421	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40774	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**106**	mg/Kg	10	3.25

Sample: 156398 - #004 NE Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47421	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40774	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**97.8**	mg/Kg	10	3.25

Sample: 156399 - #005 Background 0-6"

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**94.3**	mg/Kg	10	3.25

Method Blank (1) QC Batch: 47421

QC Batch: 47421 Date Analyzed: 2008-04-11 Analyzed By: ER
Prep Batch: 40774 QC Preparation: 2008-04-11 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Method Blank (1) QC Batch: 47422

QC Batch: 47422 Date Analyzed: 2008-04-11 Analyzed By: ER
Prep Batch: 40775 QC Preparation: 2008-04-11 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 47421 Date Analyzed: 2008-04-11 Analyzed By: ER
Prep Batch: 40774 QC Preparation: 2008-04-11 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.5	mg/Kg	1	100	<1.80	100	96.8 - 103

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.8 - 103	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47422 Date Analyzed: 2008-04-11 Analyzed By: ER
Prep Batch: 40775 QC Preparation: 2008-04-11 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<1.80	100	96.8 - 103

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.8 - 103	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156398

QC Batch: 47421 | Date Analyzed: 2008-04-11 | Analyzed By: ER
Prep Batch: 40774 | QC Preparation: 2008-04-11 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	610	mg/Kg	10	500	97.752	102	76.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	618	mg/Kg	10	500	97.752	104	76.4 - 123	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156399

QC Batch: 47422 | Date Analyzed: 2008-04-11 | Analyzed By: ER
Prep Batch: 40775 | QC Preparation: 2008-04-11 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	688	mg/Kg	10	500	94.303	119	76.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	634	mg/Kg	10	500	94.303	108	76.4 - 123	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 47421 | Date Analyzed: 2008-04-11 | Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-04-11

Standard (CCV-1)

QC Batch: 47421 | Date Analyzed: 2008-04-11 | Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2008-04-11

Standard (ICV-1)

QC Batch: 47422 Date Analyzed: 2008-04-11 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2008-04-11

Standard (CCV-1)

QC Batch: 47422 Date Analyzed: 2008-04-11 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-04-11

LAB Order ID # 8041036 Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd. Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: S.B. Oilfield Serv. Phone #: (575) 706-5645
Address: (Street, City, Zip) PO Box 1502 Carlsbad NM 88221 Fax #: ↓ 628-0176
Contact Person: Chris Bucha E-mail:
Invoice to: (If different from above) Cimarex Energy
Project #: API # 30-025-38595 Project Name: Mescalero 30 Fed #7
Project Location (including state): Sec. 30, T19s, R34e Sampler Signature: Chris Bucha

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
156395	#001 S.W. Corner 3'	1	4oz		X							X		4/1/08	12:00
396	#002 S.E. Corner 3'	↓	↓		X							X		↓	1:00
397	#003 N.W. Corner 3'				X							X			2:00
398	#004 N.E. Corner 3'				X							X			3:00
399	#005 Background 0-6"				X							X		↓	4:00

BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	CL	Turn Around Time if different from standard	Hold
																X	PUSH 2dAY	
																X		
																X		
																X		
																X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Chris Bucha	S.B.	4/9/08	4:00pm		Trace	4-10-08	9:55	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
	Trace	4-10-08	9:55					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
				Brenda Ward	Trace Lubbock	4/10/08	9:55	2

LAB USE ONLY
Intact Y / N
Headspace Y / N (NA)
Log-in-Review BF

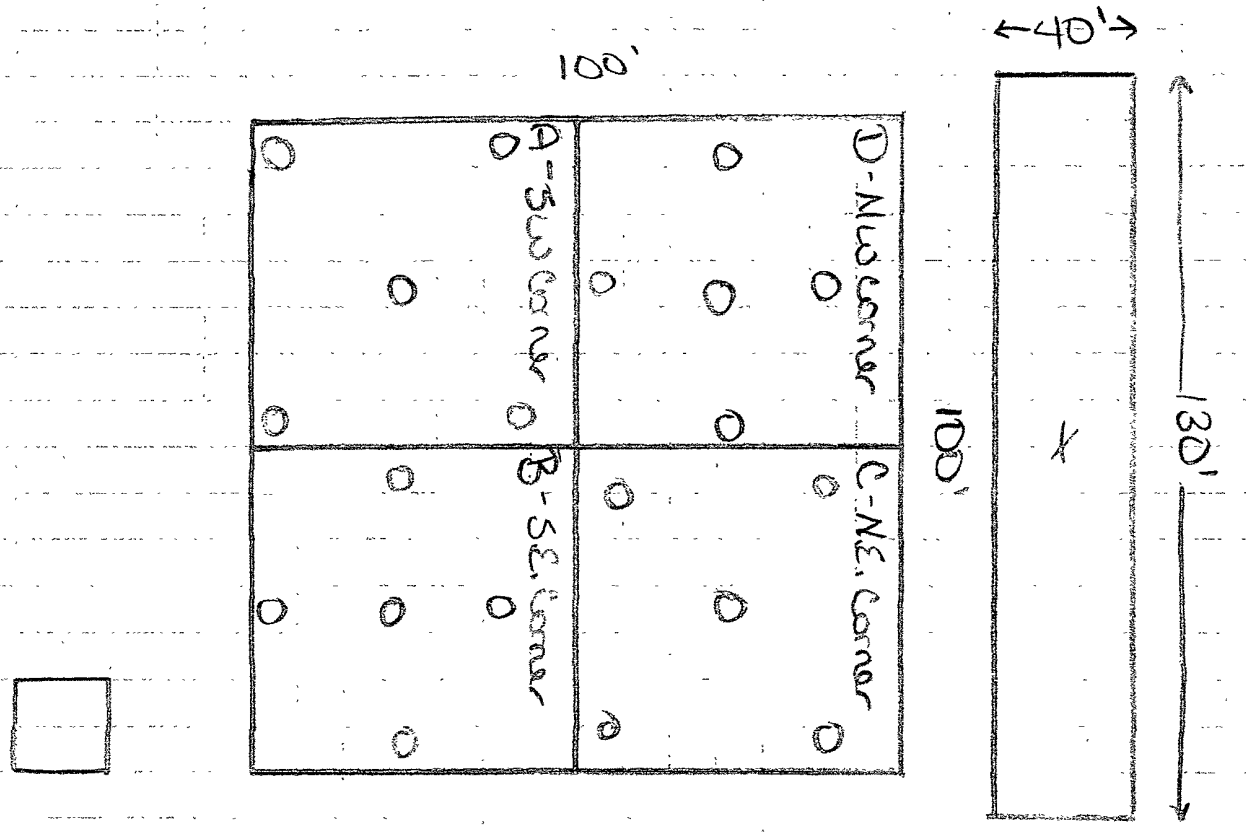
REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Carry Lo

Mescalero 30 #7



Background - N 32° 37' 31.4"
103° 36' 23.0"

A- 32° 37' 34.6" - 103° 36' 23.3"

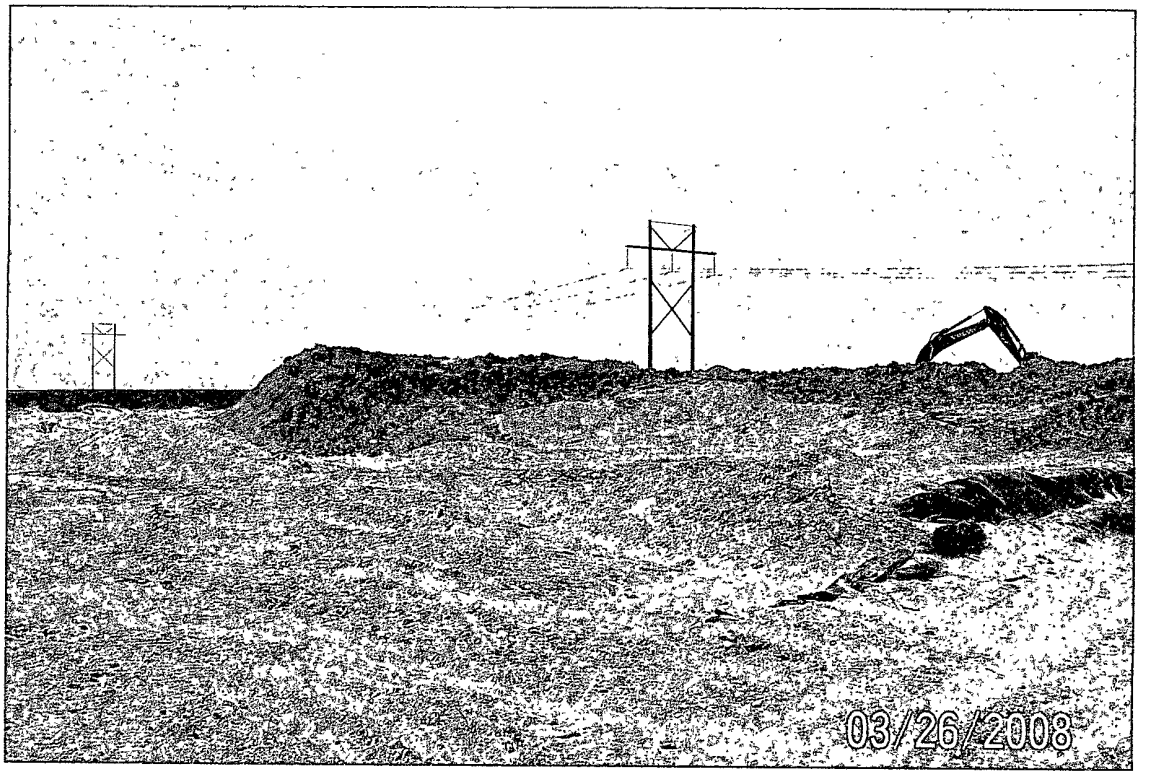
B- 32° 37' 34.9" - 103° 36' 22.8"

C- 32° 37' 35.1" - 103° 36' 23.0"

D- 32° 37' 34.9" - 103° 36' 23.4"

Pet- 32° 37' 35.5" - 103° 36' 23.5"


CIMAREX ENERGY CO. OF COLORADO
MESCALERO 30 FEDERAL NO. 007
760' FSL & 660' FWL
UNIT M, SEC. 30-T19S-R34E
API #30-025-38595
LEA CO., NM NM-056376
800-969-4789
03/26/2008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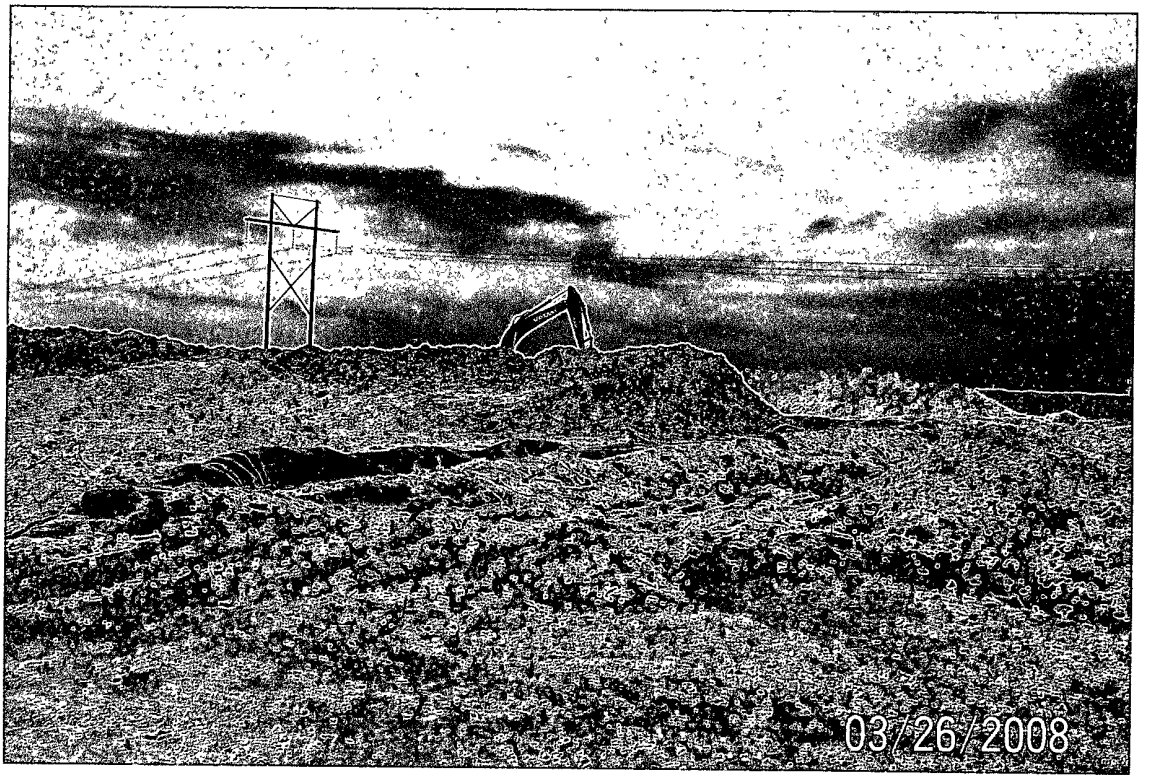
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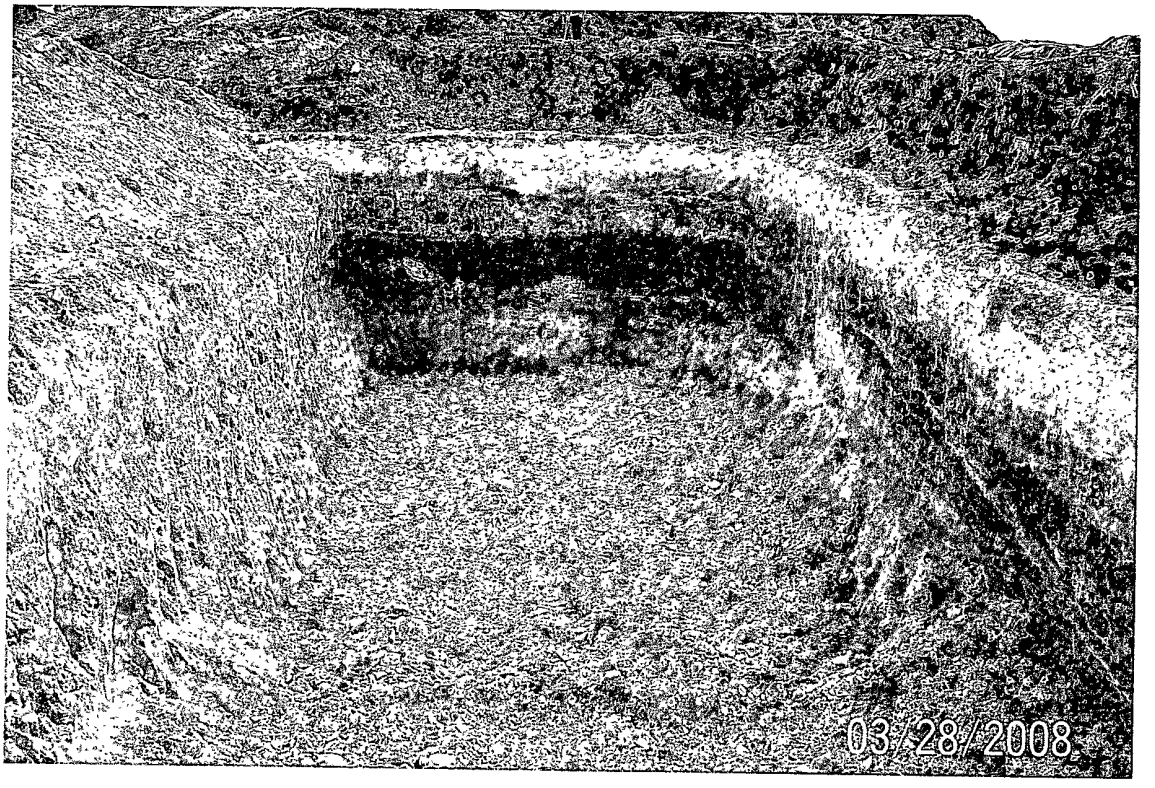
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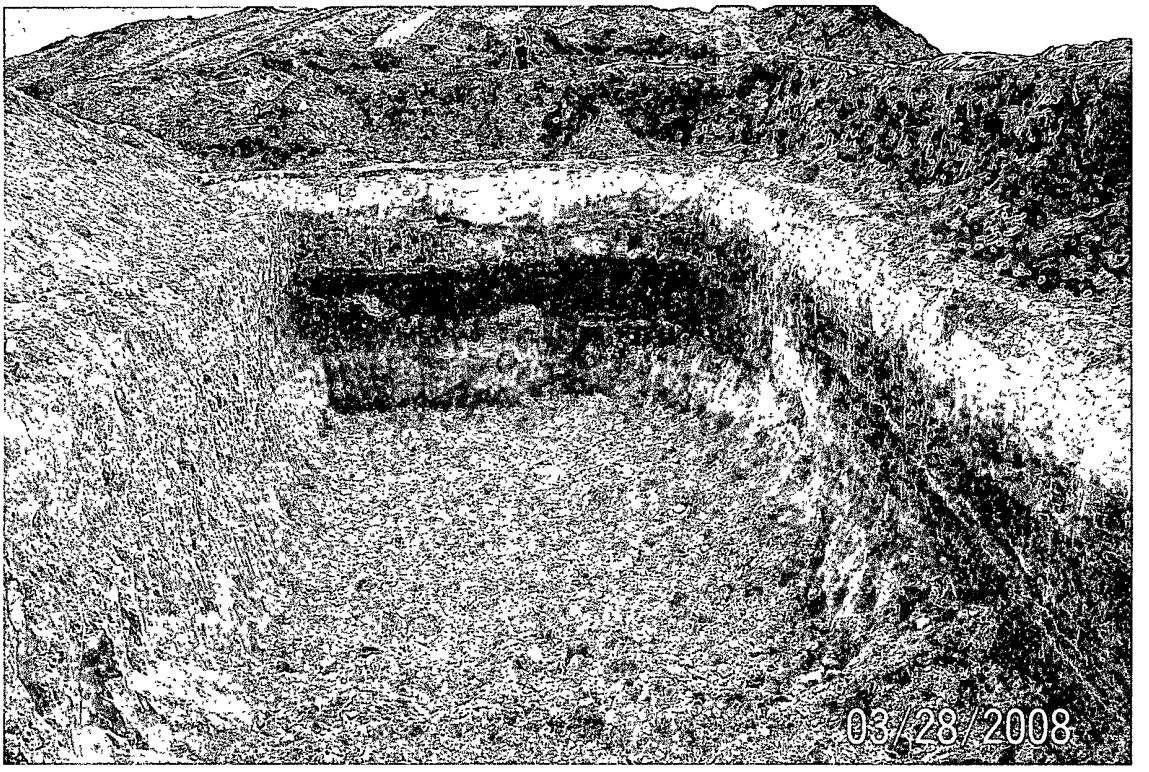
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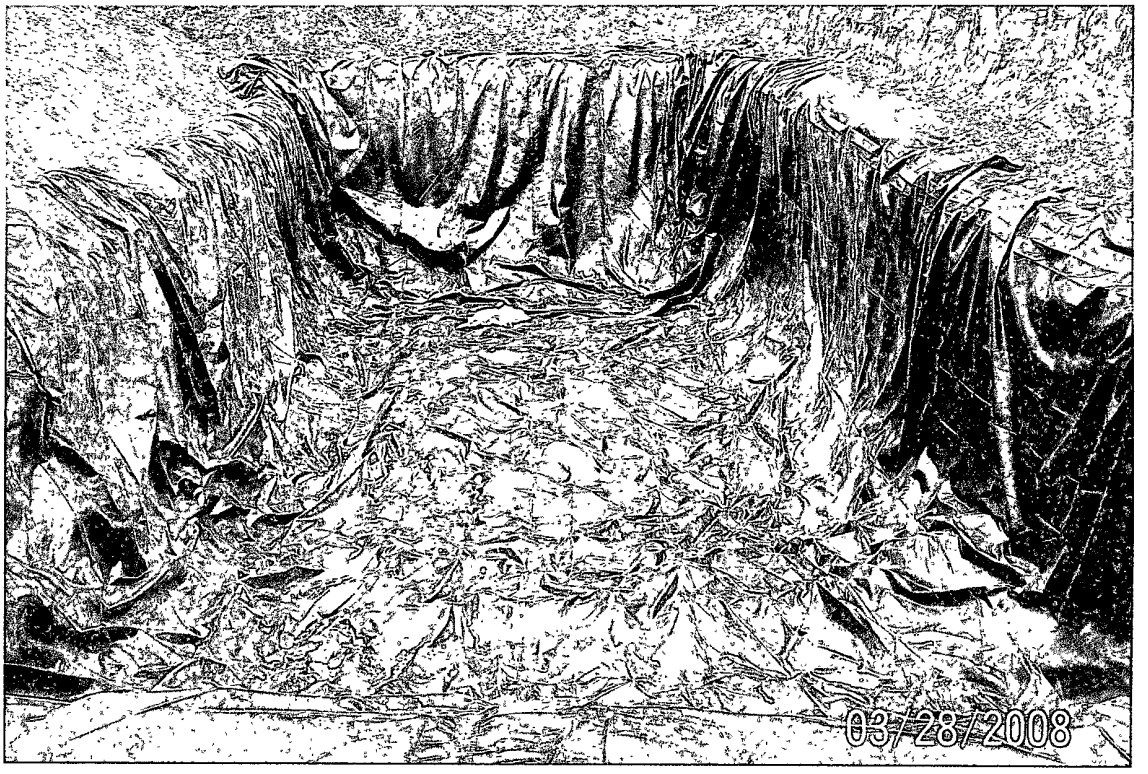
03/28/2008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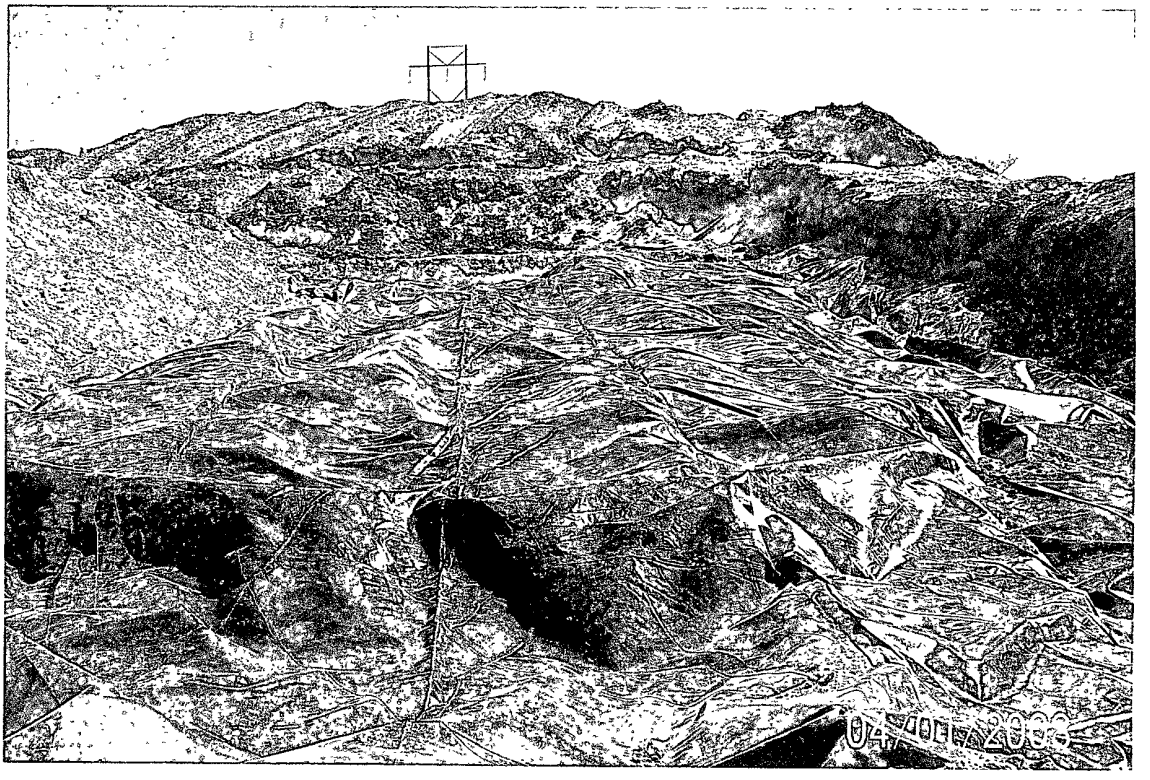

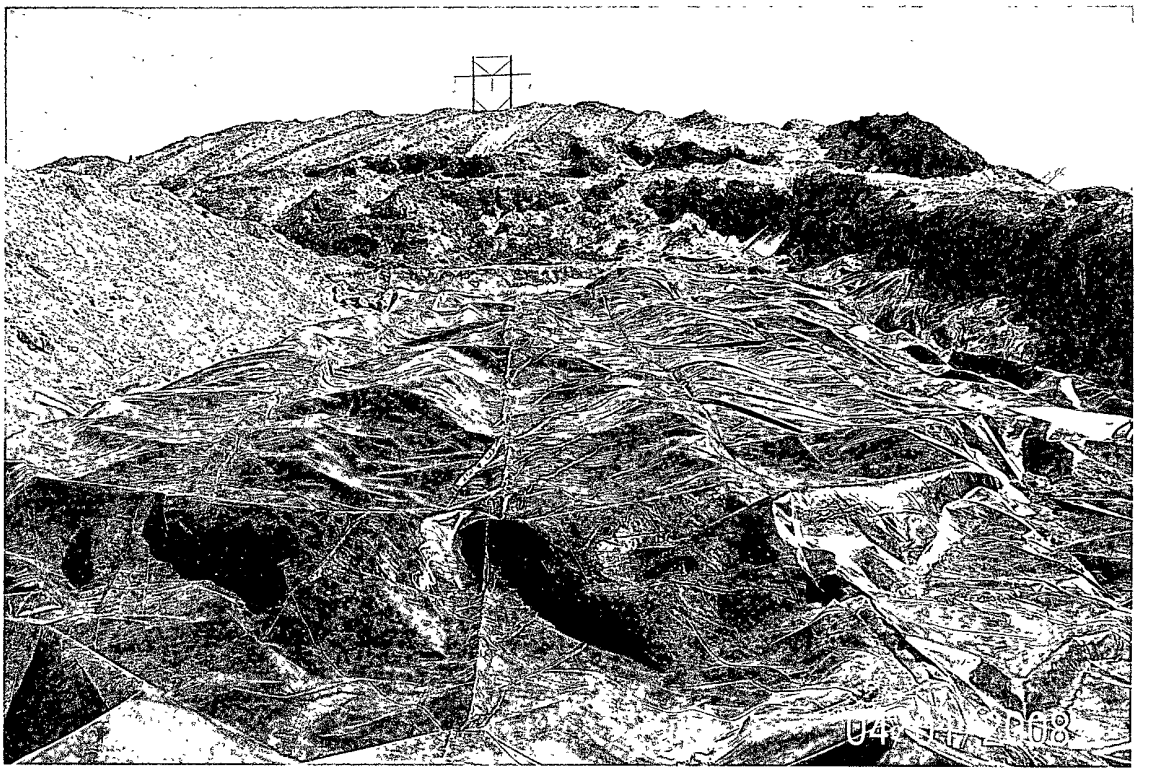

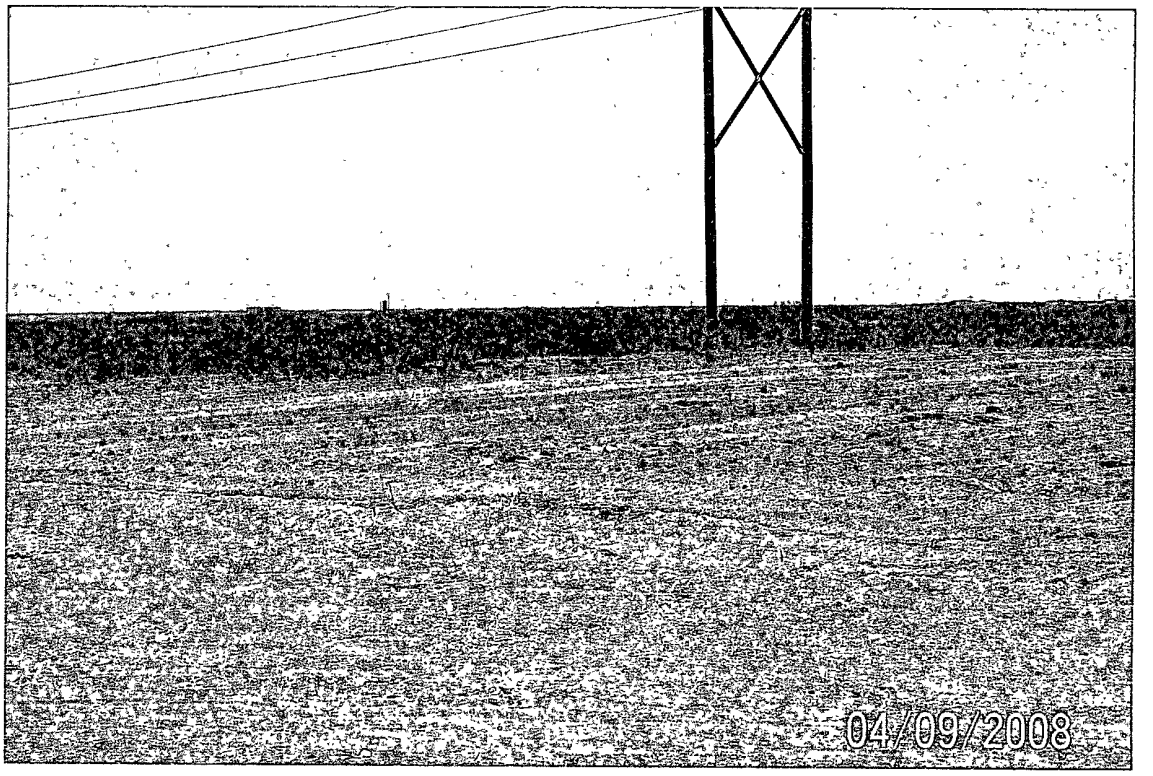
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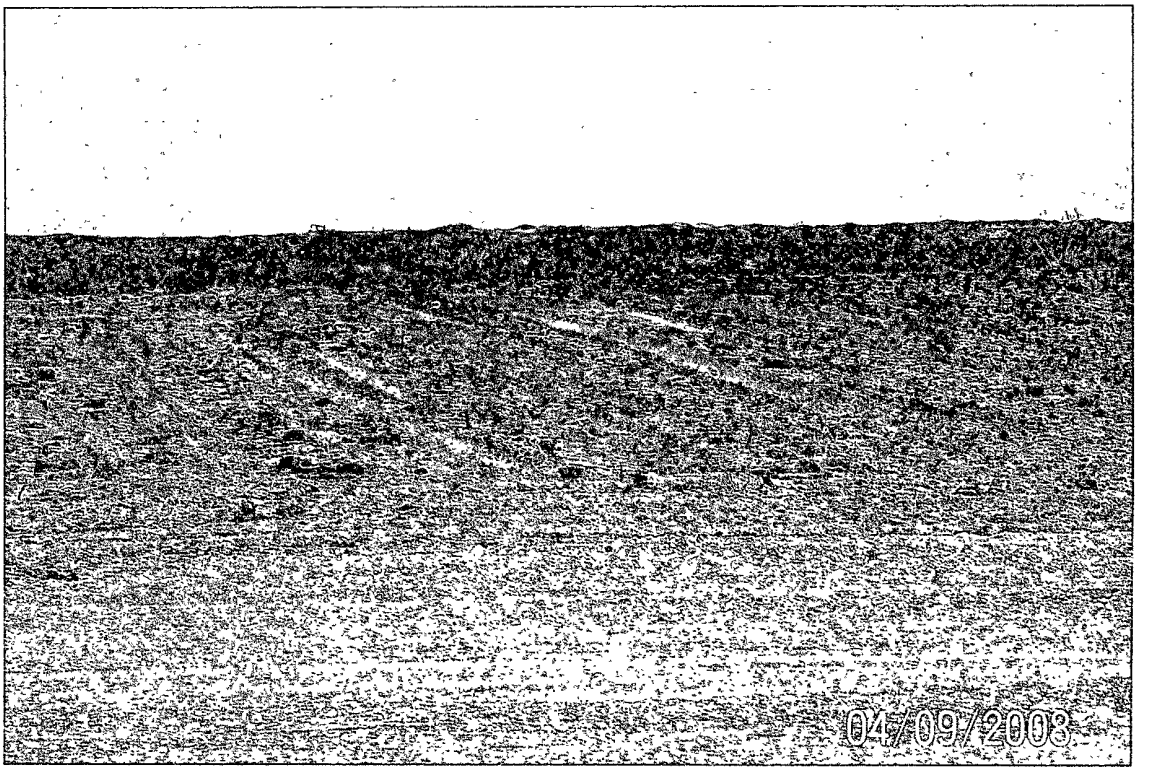
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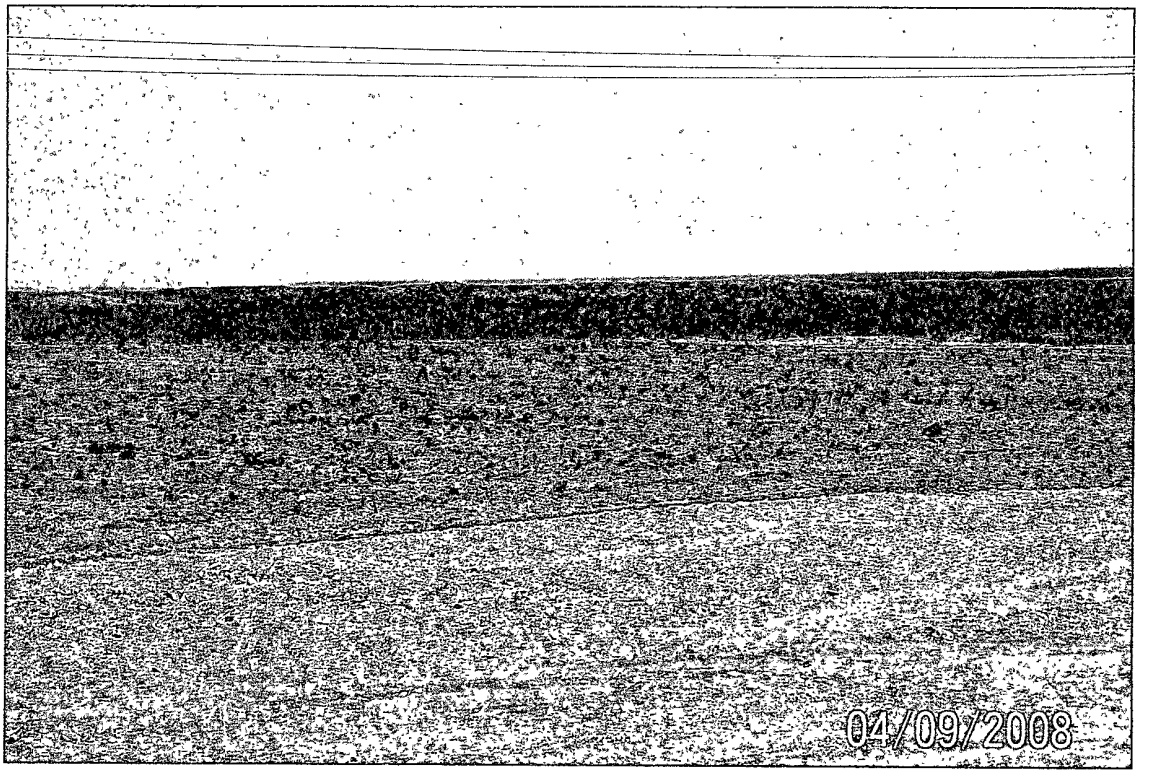
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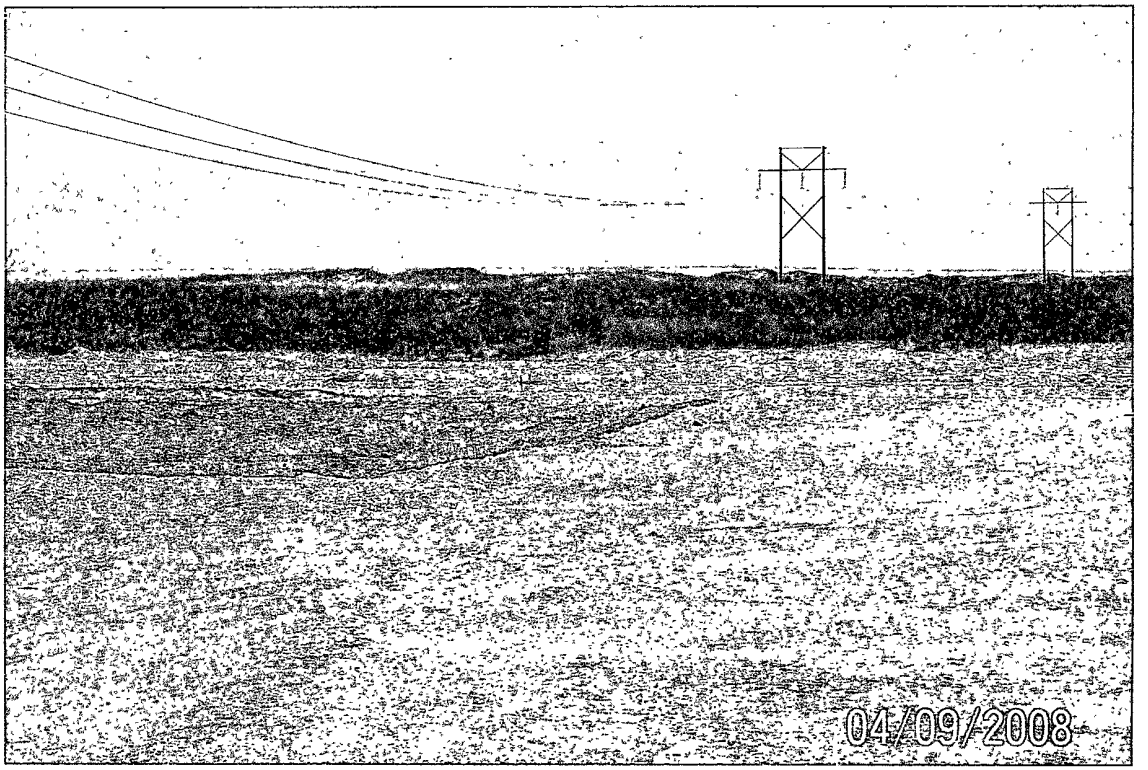
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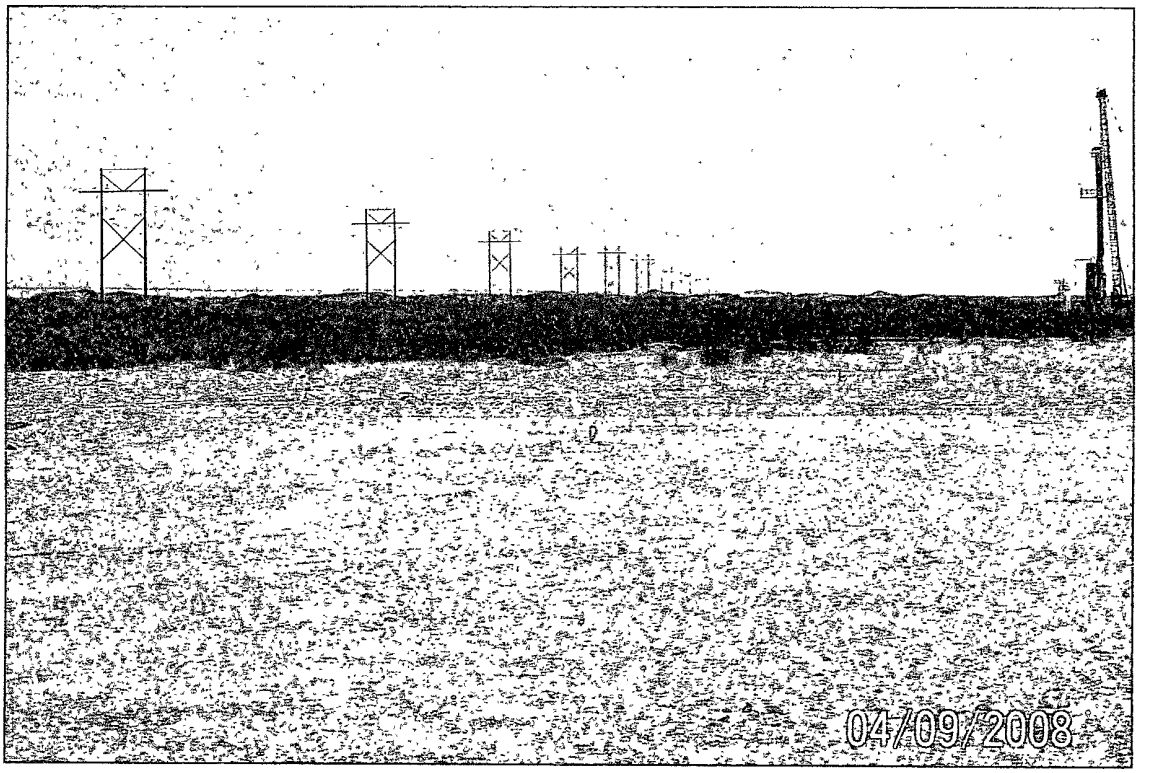
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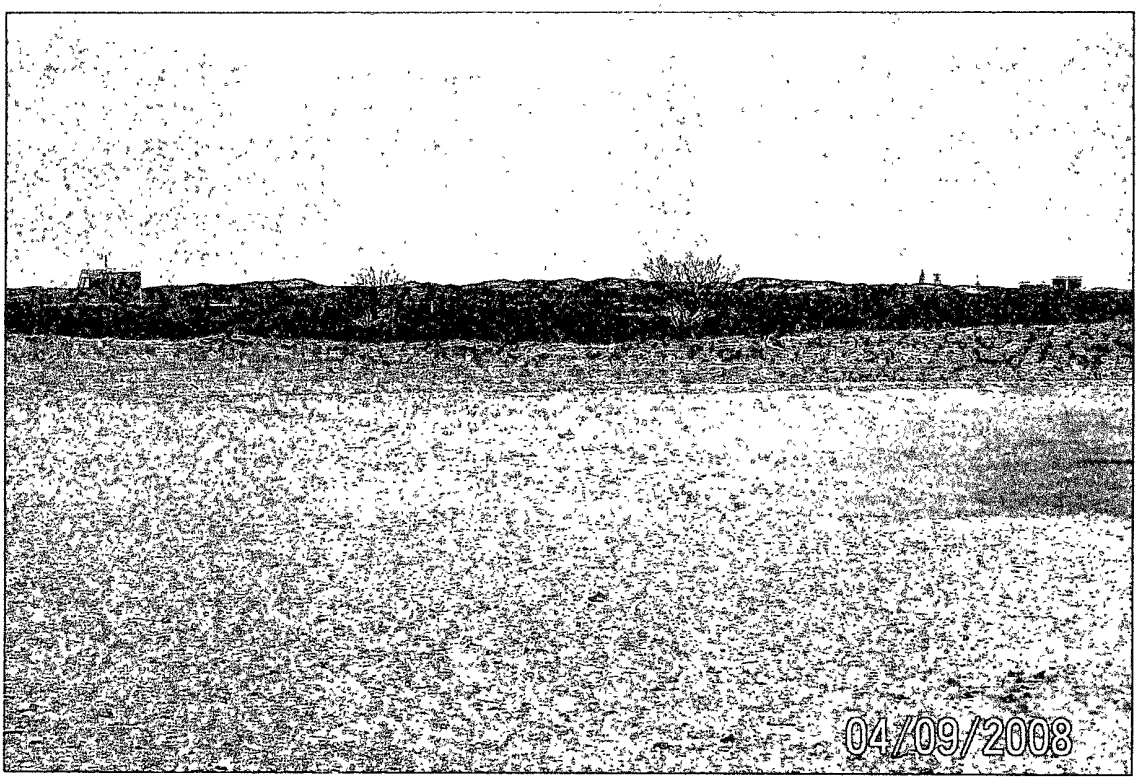
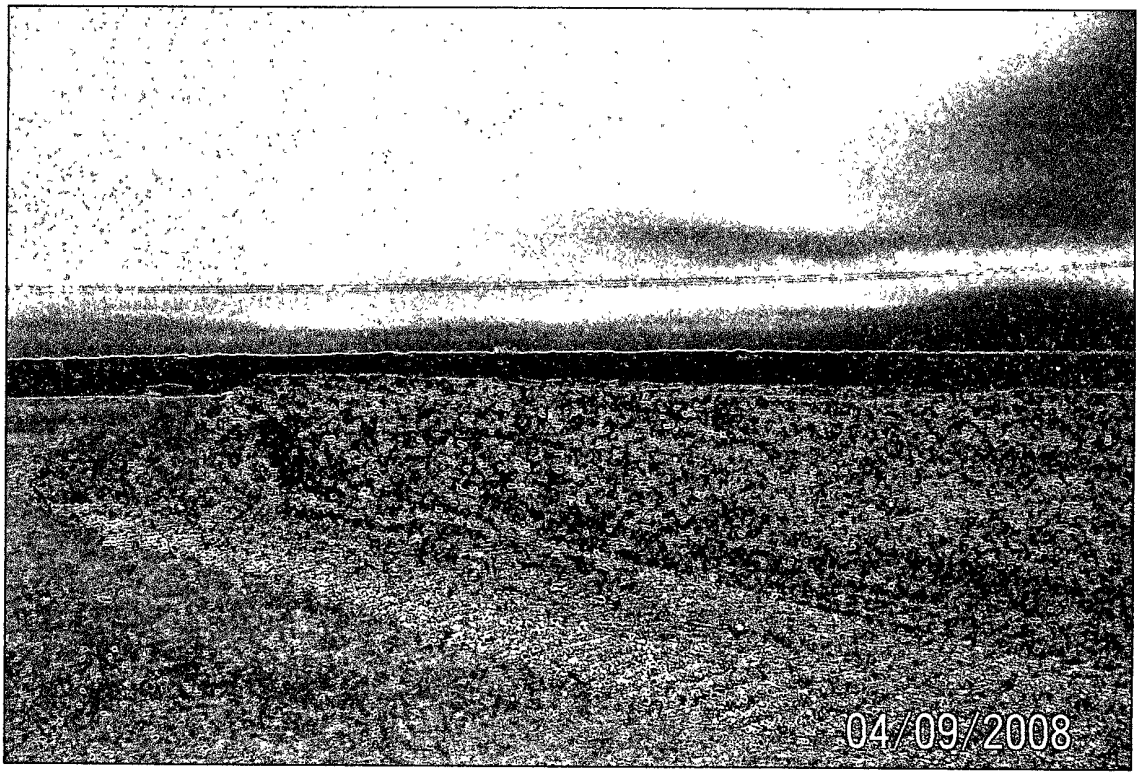

04/09/2008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