

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

Final Report

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: Pride Energy Company Telephone: 918-524-9200 e-mail address: larrym@pride-energy.com  
Address: P O Box 701950 Tulsa, OK 74170-1950  
Facility or well name: East Saunders Unit #1 API #: 30-025-01871 U/L or Qtr/Qtr F Sec 12 T 14S R 34E  
County: Lea Latitude 33-07-15.5 Longitude 103-27-59.5 NAD: 1927  1983   
Surface Owner: Federal  State  Private  Indian

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<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____	
	FEB 19 2008 HOBBS OCL	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <b>GW = 43'</b>	Less than 50 feet (20 points) <b>XXX</b> 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) <b>XXX</b>	
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) <b>XXX</b>	
	<b>Ranking Score (Total Points)</b> <b>20 points</b>	

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: All excess drilling fluid was removed. A burial pit was excavated and lined with a 20 mil liner. The drilling mud was mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud was removed the pit bottoms were sampled and analyzed Per NMOCD guidelines. The plat map and analytical are attached. The burial pit was capped with a 20 mil liner. The drilling pit was domed at 4' below ground surface and capped with a 40 mil impervious liner overlapping 3' in all directions. Clean native soil was backfilled and contoured to the surrounding area. The site was seeded with a mixture approved by the landowner.

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: 2/11/08  
 Printed Name/Title: Matthew L. Pride Title: President  
 By: Matthew L. Pride Signature: Matthew L. Pride  
 Your certification and NMOCD approval of this application 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.

Approved by: Chris Williams Signature: Chris Williams Date: 03/04/2008  
 Printed Name/Title: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 RPT# 1804

fcoho 806 431333

RBC

# Closure Report

Prepared for  
Pride Energy

**East Saunders Unit #1**  
**API # 30-025-01871**  
**Lea County, NM**

**RECEIVED**

FEB 19 2008

**HOBBS OCD**

Prepared by

***Elke Environmental, Inc.***

P.O. Box 14167 Odessa, TX 79768  
Phone (432) 366-0043 Fax (432) 366-0884

# ***Elke Environmental, Inc.***

P.O. Box 14167 Odessa, TX 79768  
Phone (432) 366-0043 Fax (432) 366-0884

February 6, 2008

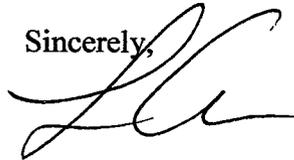
New Mexico Oil Conservation Division  
Mr. Chris Williams  
1625 N. French Dr.  
Hobbs, New Mexico 88240

Re: Pride Energy -- East Saunders Unit #1  
UL 'F' Sec. 12 T14S R34E Lea County, NM  
API # 30-025-01871

Mr. Chris Williams,

Elke Environmental was contracted by Pride Energy to complete the closure of the East Saunders Unit #1 drilling pit. As per the C-144 filed and signed by Chris Williams on 12-10-07 a burial pit was constructed and lined with a 20 mil impervious liner. The drilling mud was mixed with Elke Environmental Solidification Product at a 20 (mud) to 1 (product) ratio to solidify the mud then placed in the burial pit. Bottom samples of the drilling pit were analyzed per NMOCD guidelines. A vertical delineation was performed with a trackhoe and dozer to a maximum depth of 16' where the samples met NMOCD standards. As per the conversation between Jason Jessup (Elke) and Chris Williams (NMOCD) on 1-28-08 the drilling pit was domed at 4' below ground surface then capped with a 40 mil impervious liner overlapping 3' in all directions. The burial pit was capped with a 20 mil impervious liner. The site was backfilled with clean native soil and contoured to the surrounding area. The site was seeded with an approved seed mixture. If you have any questions about the enclosed report please contact me at the office.

Sincerely,



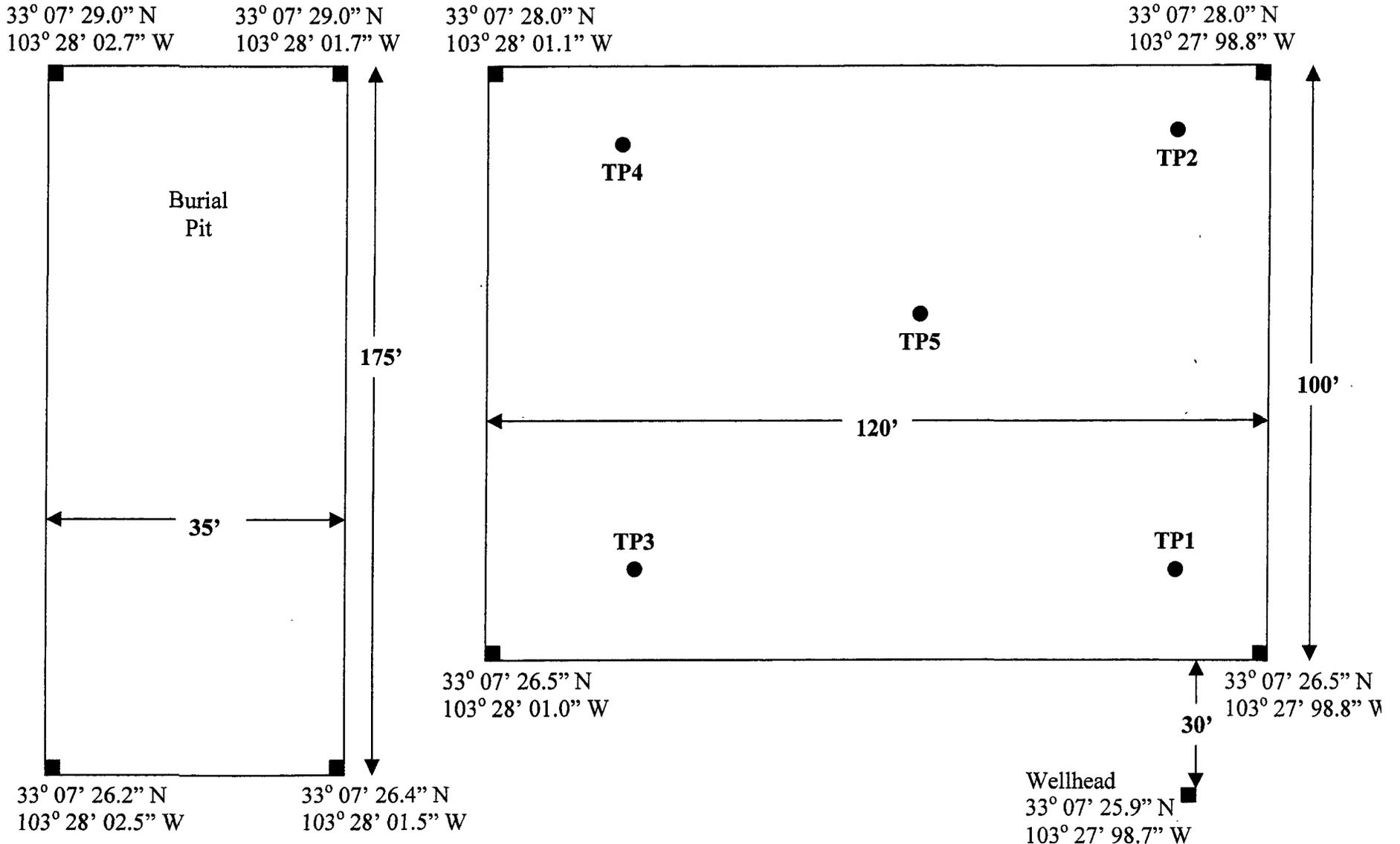
Logan Anderson

**Pride Energy**

East Saunders Unit #1

UL 'F' Sec. 12 T14S R34E

Lea County, NM



# Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

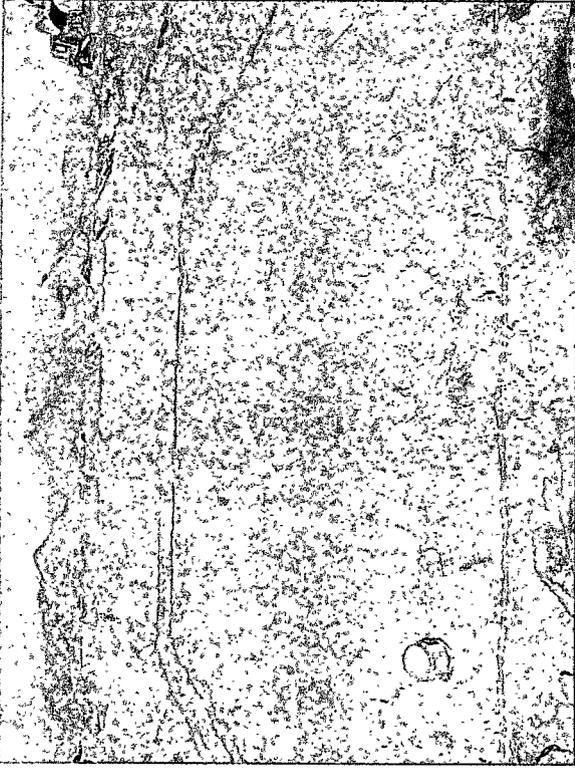
## Field Analytical Report Form

Client Pride Energy Analyst Jason Jessup

Site East Saunders Unit #1

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
TP1	1-25-08	8'		5,610		33° 07' 26.7" N 103° 27' 99.0" W
TP1	1-25-08	10'		2,537		33° 07' 26.7" N 103° 27' 99.0" W
TP1	1-29-08	12'		1,349		33° 07' 26.7" N 103° 27' 99.0" W
TP1	1-29-08	14'		4,880		33° 07' 26.7" N 103° 27' 99.0" W
TP1	1-29-08	16'		215	3.1	33° 07' 26.7" N 103° 27' 99.0" W
TP2	1-25-08	8'		306		33° 07' 27.8" N 103° 27' 99.1" W
TP2	1-25-08	10'		145	5.7	33° 07' 27.8" N 103° 27' 99.1" W
TP3	1-25-08	8'		10,483		33° 07' 26.8" N 103° 28' 00.7" W
TP3	1-25-08	10'		7,357		33° 07' 26.8" N 103° 28' 00.7" W
TP3	1-29-08	12'		10,222		33° 07' 26.8" N 103° 28' 00.7" W
TP3	1-29-08	14'		4,689		33° 07' 26.8" N 103° 28' 00.7" W
TP3	1-29-08	16'		247	9.3	33° 07' 26.8" N 103° 28' 00.7" W
TP4	1-25-08	8'		297		33° 07' 27.8" N 103° 28' 00.7" W
TP4	1-25-08	10'		144	7.9	33° 07' 27.8" N 103° 28' 00.7" W
TP5	1-25-08	8'		4,277		33° 07' 27.0" N 103° 28' 00.0" W
TP5	1-25-08	10'		2,830		33° 07' 27.0" N 103° 28' 00.0" W
TP5	1-29-08	12'		950		33° 07' 27.0" N 103° 28' 00.0" W
TP5	1-29-08	14'		244	5.1	33° 07' 27.0" N 103° 28' 00.0" W

**Pride Energy – East Saunders Unit #1**



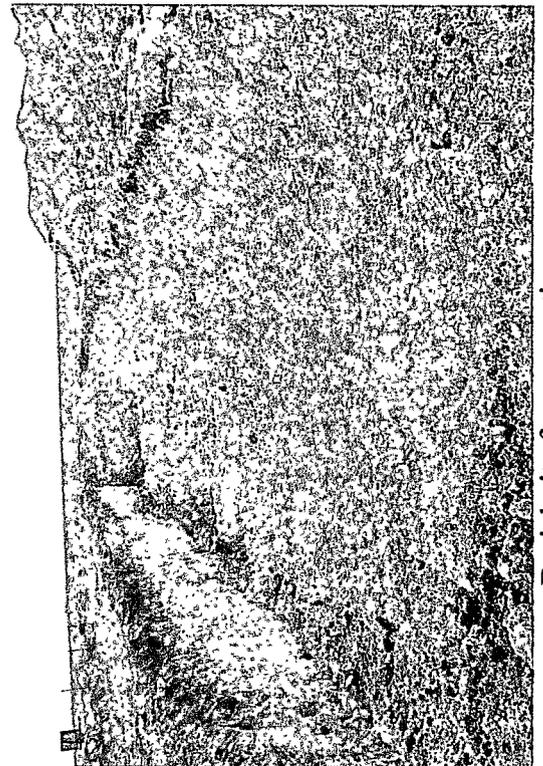
Drilling pit before closure.



Burial pit lined with a 20 mil impervious liner.

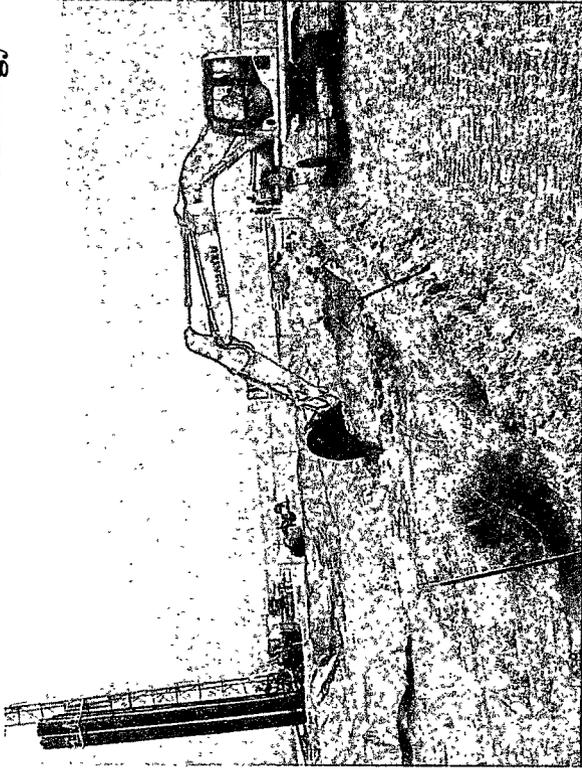


Drilling pit before closure.



Burial pit after excavation.

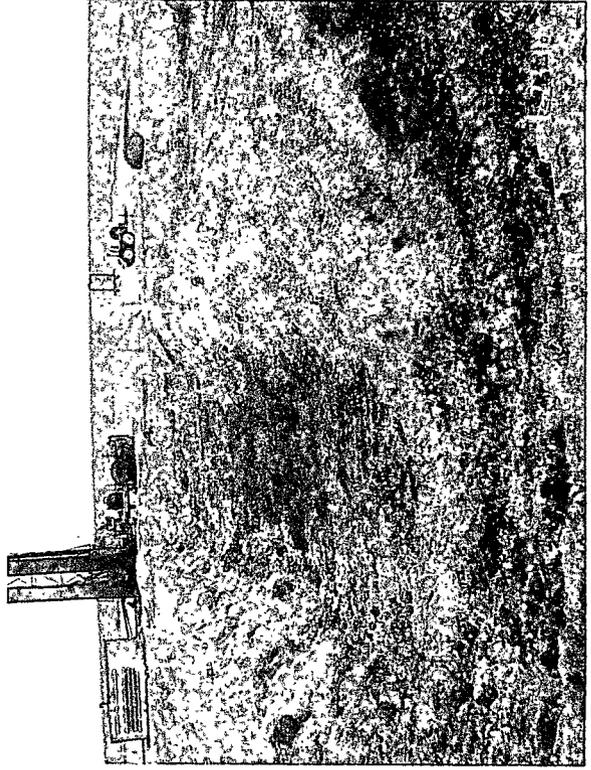
**Pride Energy – East Saunders Unit #1**



Mixing mud with Elke Environmental Solidification Product.



Burial pit capped with a 20 mil impervious liner.



Drilling pit after mud and liner have been removed.



Delineation trench excavated by a trackhoe.

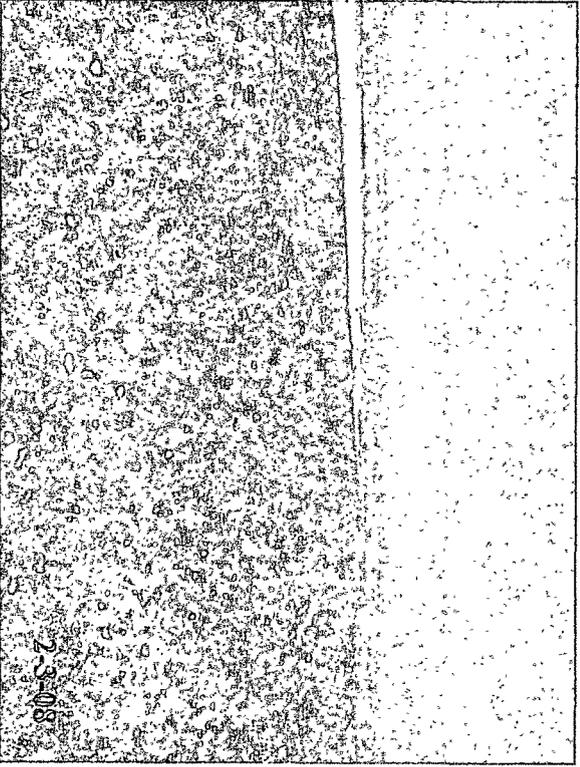
Pride Energy – East Saunders Unit #1



Drilling pit capped with a 40 mil impervious liner.



Drilling pit capped with a 40 mil impervious liner.



Drilling pit after backfill and contouring.



Drilling pit after backfill and contouring.

# **Analytical Report 296701**

**for**

**Elke Environmental, Inc.**

**Project Manager: Logan Anderson**

**Pride Energy**

**04-FEB-08**



**12600 West I-20 East Odessa, Texas 79765**

Texas certification numbers:  
Houston, TX T104704215

Florida certification numbers:  
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675  
Norcross(Atlanta), GA E87429

South Carolina certification numbers:  
Norcross(Atlanta), GA 98015

North Carolina certification numbers:  
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America  
Midland - Corpus Christi - Atlanta



04-FEB-08

Project Manager: **Logan Anderson**  
**Elke Environmental, Inc.**  
4817 Andrews Hwy  
P.O. Box 14167 Odessa, tx 79768  
Odessa, TX 79762

Reference: XENCO Report No: **296701**  
**Pride Energy**  
Project Address: East Saunders Unit #1

**Logan Anderson:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 296701. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 296701 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Brent Barron, II**

Odessa Laboratory Manager

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*Certified and approved by numerous States and Agencies.*

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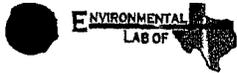
**Sample Cross Reference 296701**



**Elke Environmental, Inc., Odessa, TX**

**Pride Energy**

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
TP #1 @ 16'	S	Jan-29-08 10:20	16 ft	296701-001
TP #2 @ 10'	S	Jan-29-08 11:45	10 ft	296701-002
TP #3 @ 16'	S	Jan-29-08 11:45	16 ft	296701-003
TP #4 @ 10'	S	Jan-29-08 13:20	10 ft	296701-004
TP #5 @ 14'	S	Jan-29-08 12:30	14 ft	296701-005



# Certificate of Analysis Summary 296701

Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

**Project Id:**

**Contact:** Logan Anderson

**Project Location:** East Saunders Unit #1

**Date Received in Lab:** Tue Jan-29-08 03:04 pm

**Report Date:** 04-FEB-08

**Project Manager:** Brent Barron, II

Analysis Requested	Lab Id:	296701-001	296701-002	296701-003	296701-004	296701-005	
	Field Id:	TP #1 @ 16'	TP #2 @ 10'	TP #3 @ 16'	TP #4 @ 10'	TP #5 @ 14'	
	Depth:	16- ft	10- ft	16- ft	10- ft	14- ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jan-29-08 10:20	Jan-29-08 11:45	Jan-29-08 11:45	Jan-29-08 13:20	Jan-29-08 12:30	
<b>Percent Moisture</b>	Extracted:						
	Analyzed:	Feb-01-08 11:21	Feb-01-08 11:23	Feb-01-08 11:24	Feb-01-08 11:25	Feb-01-08 11:26	
	Units/RL:	% RL					
Percent Moisture		17	11.1	11.3	9.27	11.3	
<b>TPH by SW 8015B</b>	Extracted:	Jan-31-08 09:14					
	Analyzed:	Jan-31-08 14:35	Jan-31-08 15:00	Jan-31-08 15:25	Jan-31-08 16:17	Jan-31-08 16:43	
	Units/RL:	mg/kg RL					
C6-C10 Gasoline Range Hydrocarbons		ND 15.0					
C10-C28 Diesel Range Hydrocarbons		17.2 15.0	ND 15.0	16.6 15.0	16.8 15.0	ND 15.0	
Total TPH		17.2	ND	16.6	16.8	ND	
<b>Total Chloride by EPA 325.3</b>	Extracted:						
	Analyzed:	Feb-01-08 11:00					
	Units/RL:	mg/kg RL					
Chloride		42.5 5.00	31.9 5.00	53.2 5.00	85.1 5.00	42.5 5.00	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

  
 Brent Barron  
 Odessa Laboratory Director



# Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
- \* Outside XENCO'S scope of NELAC Accreditation

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 2505 N. Falkenburg Rd., Tampa, FL 33619  
 5757 NW 158th St, Miami Lakes, FL 33014  
 6017 Financial Dr., Norcross, GA 30071

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



# Form 2 - Surrogate Recoveries



Project Name: Pride Energy

Work Order #: 296701

Project ID:

Lab Batch #: 713538

Sample: 296701-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	42.1	50.0	84	70-135	

Lab Batch #: 713538

Sample: 296701-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.6	100	100	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

Lab Batch #: 713538

Sample: 296701-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.6	100	93	70-135	
o-Terphenyl	38.6	50.0	77	70-135	

Lab Batch #: 713538

Sample: 296701-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.5	100	83	70-135	
o-Terphenyl	40.1	50.0	80	70-135	

Lab Batch #: 713538

Sample: 296701-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.8	100	89	70-135	
o-Terphenyl	43.0	50.0	86	70-135	

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries



Project Name: Pride Energy

Work Order #: 296701

Project ID:

Lab Batch #: 713538

Sample: 296701-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.7	100	93	70-135	
o-Terphenyl	45.3	50.0	91	70-135	

Lab Batch #: 713538

Sample: 296701-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.7	100	90	70-135	
o-Terphenyl	43.5	50.0	87	70-135	

Lab Batch #: 713538

Sample: 504072-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.2	100	94	70-135	
o-Terphenyl	39.1	50.0	78	70-135	

Lab Batch #: 713538

Sample: 504072-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.8	100	87	70-135	
o-Terphenyl	42.4	50.0	85	70-135	

Lab Batch #: 713538

Sample: 504072-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.0	100	95	70-135	
o-Terphenyl	39.6	50.0	79	70-135	

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Blank Spike Recovery



**Project Name: Pride Energy**

**Work Order #: 296701**

**Project ID:**

**Lab Batch #: 713544**

**Sample: 713544-1-BKS**

**Matrix: Solid**

**Date Analyzed: 02/01/2008**

**Date Prepared: 02/01/2008**

**Analyst: IRO**

**Reporting Units: mg/kg**

**Batch #: 1**

## BLANK/BLANK SPIKE RECOVERY STUDY

Total Chloride by EPA 325.3  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	50.0	48.9	98	75-125	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.



# BS / BSD Recoveries



**Project Name: Pride Energy**

**Work Order #: 296701**

**Analyst: SHE**

**Date Prepared: 01/31/2008**

**Project ID:**

**Date Analyzed: 01/31/2008**

**Lab Batch ID: 713538**

**Sample: 504072-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B  Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	C6-C10 Gasoline Range Hydrocarbons	ND	1000	1170	117	1000	1180	118	1	70-135	35
C10-C28 Diesel Range Hydrocarbons	ND	1000	812	81	1000	818	82	1	70-135	35	

Relative Percent Difference RPD =  $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



# Form 3 - MS / MSD Recoveries



**Project Name: Pride Energy**

**Work Order #:** 296701

**Project ID:**

**Lab Batch ID:** 713538

**QC- Sample ID:** 296701-001 S

**Batch #:** 1 **Matrix:** Soil

**Date Analyzed:** 01/31/2008

**Date Prepared:** 01/31/2008

**Analyst:** SHE

**Reporting Units:** mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
TPH by SW 8015B  Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	ND	1000	1220	122	1000	1140	114	7	70-135	35	
C10-C28 Diesel Range Hydrocarbons	17.2	1000	844	83	1000	793	78	6	70-135	35	

**Lab Batch ID:** 713544

**QC- Sample ID:** 296701-001 S

**Batch #:** 1 **Matrix:** Soil

**Date Analyzed:** 02/01/2008

**Date Prepared:** 02/01/2008

**Analyst:** IRÓ

**Reporting Units:** mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
Total Chloride by EPA 325.3  Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	42.5	1000	1080	104	1000	1060	102	2	75-125	30	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



# Sample Duplicate Recovery



**Project Name: Pride Energy**

**Work Order #: 296701**

**Lab Batch #: 713590**  
**Date Analyzed: 02/01/2008**  
**QC- Sample ID: 296701-001 D**  
**Reporting Units: %**

**Date Prepared: 02/01/2008**  
**Batch #: 1**

**Project ID:**  
**Analyst: RBA**  
**Matrix: Soil**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	17.0	17.6	3	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$   
All Results are based on MDL and validated for QC purposes.



**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client: EIKE  
Date/ Time: 01-29-08 @ 1504  
Lab ID #: 296701  
Initials: JMF

**Sample Receipt Checklist**

			Client Initials	
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	25	°C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<del>Not Present</del>	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#5 Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11 Containers supplied by EL0T?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<del>Not Applicable</del>	
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

**Variance Documentation**

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that Apply:
- See attached e-mail/ fax
  - Client understands and would like to proceed with analysis
  - Cooling process had begun shortly after sampling event

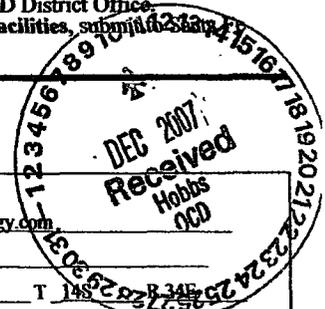
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 appropriate NMOCD 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: Pride Energy Company Telephone: 918-524-9200 e-mail address: larrym@pride-energy.com  
Address: P O Box 701950 Tulsa, OK 74170-1950  
Facility or well name: East Saunders Unit #1 API #: 30-025-01871 U/L or Qtr/Qtr F Sec 12 T 14S R 34E  
County: Lea Latitude 33-07-15.5 Longitude 103-27-59.5 NAD: 1927  1983   
Surface Owner: Federal  State  Private  Indian

<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> 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.) GW = 43'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more
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) XXX
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) XXX
<b>Ranking Score (Total Points)</b>		<b>20 points</b>

**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: All excess drilling fluid will be removed. A burial pit will be excavated and lined with a 20 mil liner. The drilling mud will be mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

NMOCD Hobbs will be given 48 hrs notice before start of job and 48 hrs notice before testing.

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: 12-10-07  
Printed Name/Title Logan Anderson - Agent Signature [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 CHRIS WILLIAMS Signature [Signature] Date: 12/10/07