

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: Yates Petroleum Company Telephone: 505-748-4500 e-mail address: mikes@YPC.COM

Address: 105. South 4th street, Artesia, N.M. 88210

Facility or well name: West Loco Hills G4S Unit Water Flood Station API #:

U/L or Qtr/Qtr N Sec 1 T 18s R 29e

County: Eddy Latitude 32.77195

Longitude 104.02875

NAD: 1927 ☐ 1983 X

Surface Owner: Federal State ☒ Private Indian ☐

30-015-03233

RECEIVED

SEP 26 2005

OCDA-ARTESIA

Pit	Below-grade tank
Type: Drilling Production ☐ Disposal ☐ Work over ☐ Emergency ☒ Lined Unlined X Liner type: Synthetic ☐ Thickness _ _mil Clay ☐ Pit Volume NA	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)X
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)X
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)X
Ranking Score (Total Points) 0 points	

RECEIVED

MAR 20 2006

OCDA-ARTESIA

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 X 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: Work plan for the Closure of Emergency Pit. The emergency pit contents will be excavated and hauled to and O.C.D. approved solid waste disposal facility. RRAL for TPH will be 5000 ppm, B-Tex 100ppm, Chlorides will be documented to 250 ppm. Final analytical results will be submitted to O.C.D.

The excavated emergency pit area will be backfilled to grade using a min. of 3' of like material and clean soil.

A one call & a 48 hour notice will be provided to the O.C.D.

PIT CLOSURE FINAL

Pit Closure start date NA. Final closure date NA.

DATE 12/1/2005

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 X, or an (attached) alternative OCD-approved plan X.

Date: 9/20/2005

Printed Name/Title Mike Stubblefield / Environmental Regulatory Agent Signature

Mike Stubblefield

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

Mike Bratcher

ASST

Signature

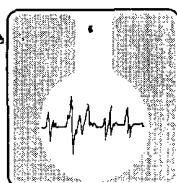
Mike Bratcher

Date:

9/30/05

Accepted for record - NMOCD

MAR 21 2006



ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

YATES PETROLEUM CORP.
attn: **MIKE STUBBLEFIELD**
105 S. 4TH STREET
ARTESIA

NM 88210

Explanation of codes

B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **YATES PETROLEUM CORP.**
Project: **WEST LOCO HILLS UNIT EMERGENCY PIT**
Order: **0511150 YAT01** Receipt: **11-08-05**
Sample: **#1.5 SPOT COMP./BOTTOM**
Matrix: **SOIL**

William P. Biava
for: **William P. Biava: President of Assaigai Analytical Laboratories, Inc.**

Collected: **11-07-05 9:30:00** By: **MS**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511150-0001A		SW846 5035B/8015B	GRO by GC/FID					By: TRS		
V05366	XG.2005.1794.5		Gasoline Range Organics	ND	mg / Kg	1	0.55		11-09-05	11-09-05
0511150-0001A		EPA 300.0 Anions by IC						By: JTK		
W05857	WC.2005.2997.12	16887-00-6	Chloride	2540	mg / Kg	100	0.5		11-08-05	11-09-05
0511150-0001A		SW846 8015B	Diesel Range Organics by GC/FID					By: SDW		
S05412	XG.2005.1792.6		Diesel Range Organics	ND	mg / Kg	1	25		11-09-05	11-09-05

Sample: **#2.5 SPOT COMP./NORTH** Collected: **11-07-05 9:45:00** By: **MS**
Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511150-0002A		SW846 5035B/8015B	GRO by GC/FID					By: TRS		
V05366	XG.2005.1794.6		Gasoline Range Organics	ND	mg / Kg	1	0.55		11-09-05	11-09-05
0511150-0002A		EPA 300.0 Anions by IC						By: JTK		
W05857	WC.2005.2997.13	16887-00-6	Chloride	2290	mg / Kg	100	0.5		11-08-05	11-09-05
0511150-0002A		SW846 8015B	Diesel Range Organics by GC/FID					By: SDW		
S05412	XG.2005.1792.9		Diesel Range Organics	ND	mg / Kg	1	25		11-09-05	11-09-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **YATES PETROLEUM CORP.**
 Project: **WEST LOCO HILLS UNIT EMERGENCY PIT**
 Order: **0511150 YAT01** Receipt: **11-08-05**

Sample: **#3.5 SPOT COMP./EAST** Collected: **11-07-05 10:00:00** By: **MS**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511150-0003A		SW846 5035B/8015B	GRO by GC/FID					By: TRS		
V05366	XG.2005.1794.7		Gasoline Range Organics	ND	mg / Kg	1	0.55		11-09-05	11-09-05
0511150-0003A		EPA 300.0 Anions by IC						By: JTK		
W05857	WC.2005.2997.14	16887-00-6	Chloride	3080	mg / Kg	100	0.5		11-08-05	11-09-05
0511150-0003A		SW846 8015B	Diesel Range Organics by GC/FID					By: SDW		
S05412	XG.2005.1792.10		Diesel Range Organics	ND	mg / Kg	1	25		11-09-05	11-09-05

Sample: **#4.5 SPOT COMP./SOUTH** Collected: **11-07-05 10:15:00** By: **MS**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511150-0004A		SW846 5035B/8015B	GRO by GC/FID					By: TRS		
V05366	XG.2005.1794.8		Gasoline Range Organics	ND	mg / Kg	1	0.55		11-09-05	11-09-05
0511150-0004A		EPA 300.0 Anions by IC						By: JTK		
W05857	WC.2005.2997.15	16887-00-6	Chloride	1930	mg / Kg	100	0.5		11-08-05	11-09-05
0511150-0004A		SW846 8015B	Diesel Range Organics by GC/FID					By: SDW		
S05412	XG.2005.1792.11		Diesel Range Organics	ND	mg / Kg	1	25		11-09-05	11-09-05

Sample: **#5.5 SPOT COMP.WEST** Collected: **11-07-05 10:20:00** By: **MS**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511150-0005A		SW846 5035B/8015B	GRO by GC/FID					By: TRS		
V05366	XG.2005.1794.9		Gasoline Range Organics	ND	mg / Kg	1	0.55		11-09-05	11-09-05
0511150-0005A		EPA 300.0 Anions by IC						By: JTK		
W05857	WC.2005.2997.16	16887-00-6	Chloride	911	mg / Kg	100	0.5		11-08-05	11-09-05
0511150-0005A		SW846 8015B	Diesel Range Organics by GC/FID					By: SDW		
S05412	XG.2005.1792.12		Diesel Range Organics	ND	mg / Kg	1	25		11-09-05	11-09-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

MEMO: Samples were received at 6.8 degrees Celsius.



Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No.: 0310 Date 1/1/11

Page 1 of 1

Client Water Pollution Control
Address 105 South 1st Street
City/State/Zip Minneapolis, MN 55401
Project Name/Number West 6000 Main and Emergency Pit
Project Manager/Contact Mike Stubblefield
Telephone No. 612 542 4300 ext 500
Fax No. 612 542 4635
Samplers (signature) Mike Stubblefield

Contract / Purchase Order / Quote

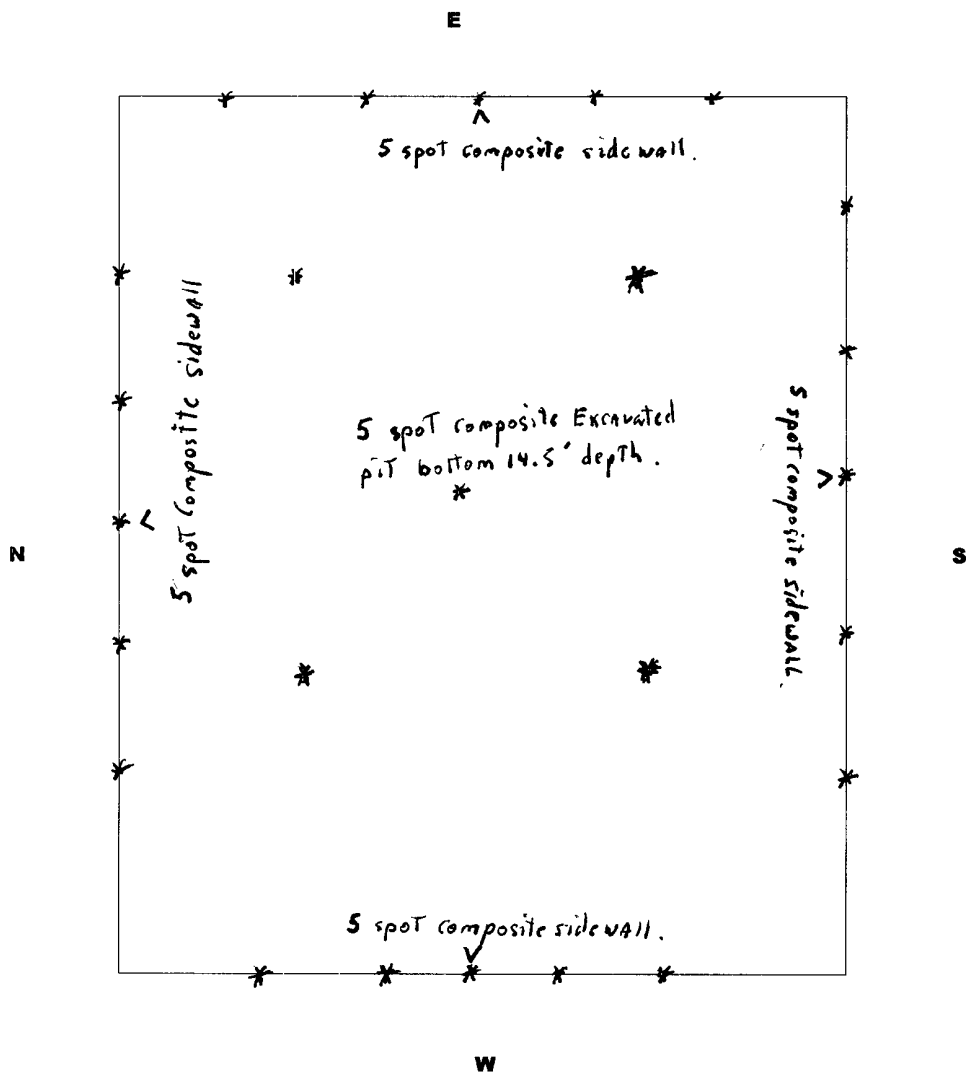
AAU Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
0001H	501	11/2/05	11:00	Soil	1023 67		✓
0002A	502	11/2/05	11:00	Soil			✓
0003A	503	11/2/05	11:00	Soil			✓
0004A	504	11/2/05	11:00	Soil			✓
0005A	505	11/2/05	11:00	Soil			✓
0006A	506	11/2/05	11:00	Soil			✓
0007A	507	11/2/05	11:00	Soil			✓
0008A	508	11/2/05	11:00	Soil			✓
0009A	509	11/2/05	11:00	Soil			✓
0010A	510	11/2/05	11:00	Soil			✓
0011A	511	11/2/05	11:00	Soil			✓
0012A	512	11/2/05	11:00	Soil			✓
0013A	513	11/2/05	11:00	Soil			✓
0014A	514	11/2/05	11:00	Soil			✓
0015A	515	11/2/05	11:00	Soil			✓
0016A	516	11/2/05	11:00	Soil			✓
0017A	517	11/2/05	11:00	Soil			✓
0018A	518	11/2/05	11:00	Soil			✓
0019A	519	11/2/05	11:00	Soil			✓
0020A	520	11/2/05	11:00	Soil			✓
0021A	521	11/2/05	11:00	Soil			✓
0022A	522	11/2/05	11:00	Soil			✓
0023A	523	11/2/05	11:00	Soil			✓
0024A	524	11/2/05	11:00	Soil			✓
0025A	525	11/2/05	11:00	Soil			✓
0026A	526	11/2/05	11:00	Soil			✓
0027A	527	11/2/05	11:00	Soil			✓
0028A	528	11/2/05	11:00	Soil			✓
0029A	529	11/2/05	11:00	Soil			✓
0030A	530	11/2/05	11:00	Soil			✓
0031A	531	11/2/05	11:00	Soil			✓
0032A	532	11/2/05	11:00	Soil			✓
0033A	533	11/2/05	11:00	Soil			✓
0034A	534	11/2/05	11:00	Soil			✓
0035A	535	11/2/05	11:00	Soil			✓
0036A	536	11/2/05	11:00	Soil			✓
0037A	537	11/2/05	11:00	Soil			✓
0038A	538	11/2/05	11:00	Soil			✓
0039A	539	11/2/05	11:00	Soil			✓
0040A	540	11/2/05	11:00	Soil			✓
0041A	541	11/2/05	11:00	Soil			✓
0042A	542	11/2/05	11:00	Soil			✓
0043A	543	11/2/05	11:00	Soil			✓
0044A	544	11/2/05	11:00	Soil			✓
0045A	545	11/2/05	11:00	Soil			✓
0046A	546	11/2/05	11:00	Soil			✓
0047A	547	11/2/05	11:00	Soil			✓
0048A	548	11/2/05	11:00	Soil			✓
0049A	549	11/2/05	11:00	Soil			✓
0050A	550	11/2/05	11:00	Soil			✓
0051A	551	11/2/05	11:00	Soil			✓
0052A	552	11/2/05	11:00	Soil			✓

[illegible]

Relinquished by: Signature <u>[Signature]</u> Printed <u>Joe Garaboldi</u> Company <u>New Orleans Corporation</u> Reason _____	Date <u>11/27/85</u> Time <u>11:00 am.</u>	Received by: Signature _____ Printed _____ Company _____ Reason _____	Relinquished by: Signature _____ Printed _____ Company _____ Reason _____	Date <u>11/28</u> Time <u>11:45</u>	Received by: Signature _____ Printed _____ Company _____ Reason _____	Comments: <u>sample TDS per computer</u> <u>cooled temp box</u> <u>2 charts AT per Mike</u> <u>11/27/85</u>	Method of Shipment _____ Shipment No. _____ Special Instructions: <u>have anal sample analyzed</u> <u>and sent for it. For item 505-348-4825</u>	After analysis, samples are to be: ☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer
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CARRIER

West Loco Hills Emergency pit
Sampling sites 11/7/2005 *



MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

I certify that on 11/2/2005, tests were conducted on soil samples from the

West Loco Hills GAS Unit Water Flood Station Emergency Pit

Following are the results of those tests.

EPA Method 9074, TPH _____.

EPA Method 9253 _____.

PID Meter, BTEX North side wall 5 spot composite sample - 0 ppm
Bottom pit 5 spot composite sample - 0 ppm

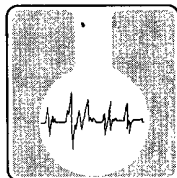
East side wall 5 spot composite sample - 0 ppm

South side wall 5 spot composite sample - 0 ppm, West side wall 5 spot composite sample - 0 ppm

All testing was done at Yates Petroleum Corporation or on location.

Respectfully,

Mike Stubblefield
Environmental Regulatory Agent



ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

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127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

YATES PETROLEUM CORP.
attn: **MIKE STUBBLEFIELD**
105 S. 4TH STREET
ARTESIA

NM 88210

Explanation of codes

B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

Assaigai Analytical Laboratories, Inc.

STANDARD

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **YATES PETROLEUM CORP.**
Project: **WEST LOCO HILLS 945 WATER FLOOD**
Order: **0511283 YAT01** Receipt: **11-15-05**


William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: **26'5 SPOT COMP. PIT BOTTOM**
Matrix:

Collected: 11-11-05 10:30:00 By:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0001A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.4	16887-00-6	Chloride	1580	mg / Kg	100	0.5		11-15-05	11-15-05

Sample: **10' FROM NORTH SIDE BANK 9'**
Matrix:

Collected: 11-11-05 10:40:00 By:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0002A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.7	16887-00-6	Chloride	1610	mg / Kg	100	0.5		11-15-05	11-15-05

Sample: **10' FROM EAST SIDE BANK 9'**
Matrix:

Collected: 11-11-05 11:00:00 By:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0003A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.8	16887-00-6	Chloride	2100	mg / Kg	100	0.5		11-15-05	11-15-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **YATES PETROLEUM CORP.**
 Project: **WEST LOCO HILLS 945 WATER FLOOD**
 Order: **0511283 YAT01** Receipt: **11-15-05**

Sample: **10' FROM SOUTH SIDE BANK 9'** Collected: 11-11-05 11:05:00 By:

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0004A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.13	16887-00-6	Chloride	505	mg / Kg	10	0.5		11-15-05	11-15-05

Sample: **10' FROM WEST SIDE BANK 9'** Collected: 11-11-05 11:15:00 By:

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0005A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.14	16887-00-6	Chloride	1120	mg / Kg	10	0.5		11-15-05	11-15-05

Sample: **BACK GROUND CHLORIDES** Collected: 11-11-05 11:20:00 By:

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0511283-0006A		EPA 300.0 Anions by IC						By: JTK		
W05876	WC.2005.3045.15	16887-00-6	Chloride	36.0	mg / Kg	10	0.5		11-15-05	11-15-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

MEMO: Please note that the samples were received at 19.2 degrees Celsius.

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Meshead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No.: 0511283 Date

Page of

Client Yata Petroleum Corporation
Address 105 4th Street
City/State/Zip Alamosa, N.M. 88210
Project Name/Number West Loco Hills GAS Waterflood/Samplers (signature)
Contract / Purchase Order / Quote Emergency pit -

Project Manager / Contact

Telephone No.

Fax No.

Analysis Required

No. of Containers

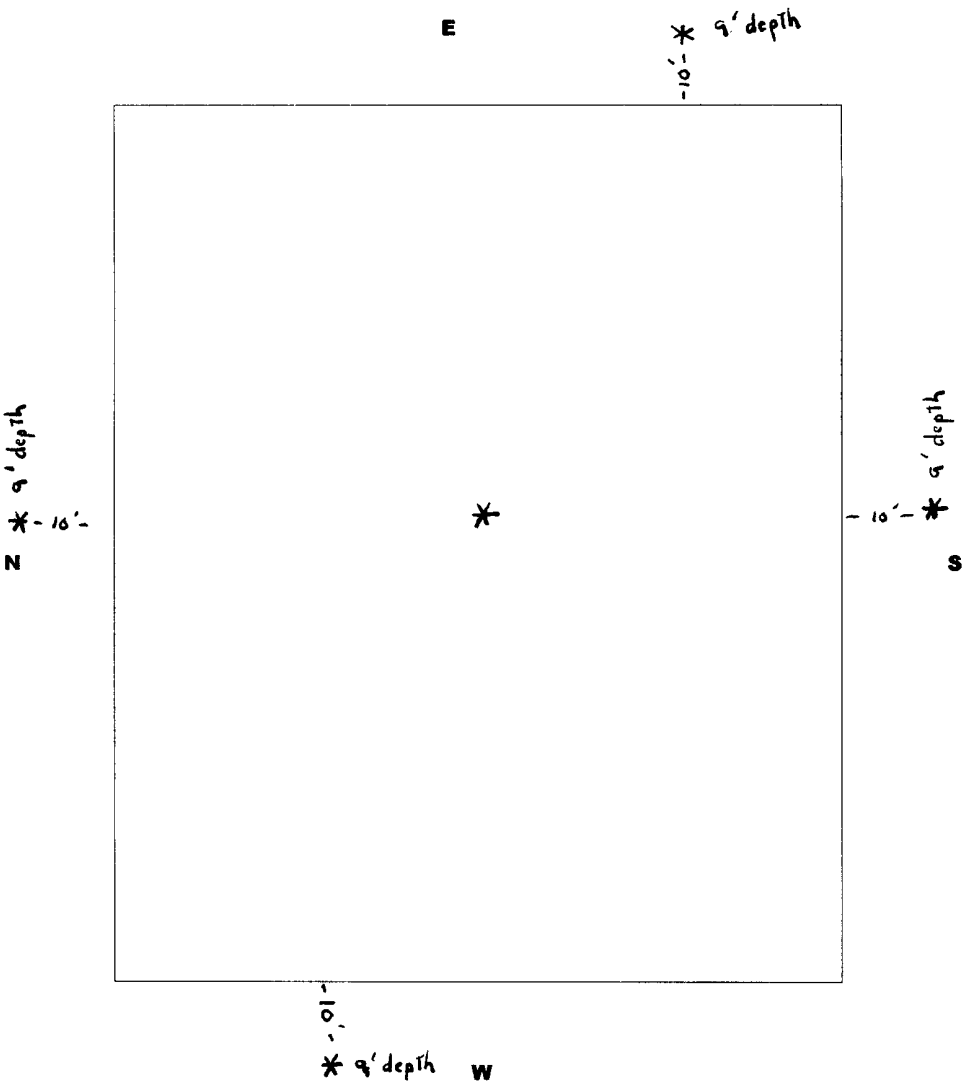
Remarks

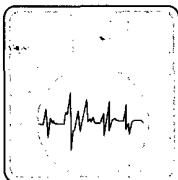
AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
0001A	1. 26' 5" spot comp. pit Bottom	11/11/05			40L Glass		
112	10' from North Side Bank 9' depth	11/11/05					
122	10' from East Side Bank 9' depth	11/11/05					
132	10' from South Side Bank 9' depth	11/11/05					
142	10' from West Side Bank 9' depth	11/11/05					
152	10' from West Side Bank 9' depth	11/11/05					
162	10' from West Side Bank 9' depth	11/11/05					
172	10' from West Side Bank 9' depth	11/11/05					
182	10' from West Side Bank 9' depth	11/11/05					
192	10' from West Side Bank 9' depth	11/11/05					
202	10' from West Side Bank 9' depth	11/11/05					
212	10' from West Side Bank 9' depth	11/11/05					
222	10' from West Side Bank 9' depth	11/11/05					
232	10' from West Side Bank 9' depth	11/11/05					
242	10' from West Side Bank 9' depth	11/11/05					
252	10' from West Side Bank 9' depth	11/11/05					
262	10' from West Side Bank 9' depth	11/11/05					
272	10' from West Side Bank 9' depth	11/11/05					
282	10' from West Side Bank 9' depth	11/11/05					
292	10' from West Side Bank 9' depth	11/11/05					
302	10' from West Side Bank 9' depth	11/11/05					
312	10' from West Side Bank 9' depth	11/11/05					
322	10' from West Side Bank 9' depth	11/11/05					
332	10' from West Side Bank 9' depth	11/11/05					
342	10' from West Side Bank 9' depth	11/11/05					
352	10' from West Side Bank 9' depth	11/11/05					
362	10' from West Side Bank 9' depth	11/11/05					
372	10' from West Side Bank 9' depth	11/11/05					
382	10' from West Side Bank 9' depth	11/11/05					
392	10' from West Side Bank 9' depth	11/11/05					
402	10' from West Side Bank 9' depth	11/11/05					
412	10' from West Side Bank 9' depth	11/11/05					
422	10' from West Side Bank 9' depth	11/11/05					
432	10' from West Side Bank 9' depth	11/11/05					
442	10' from West Side Bank 9' depth	11/11/05					
452	10' from West Side Bank 9' depth	11/11/05					
462	10' from West Side Bank 9' depth	11/11/05					
472	10' from West Side Bank 9' depth	11/11/05					
482	10' from West Side Bank 9' depth	11/11/05					
492	10' from West Side Bank 9' depth	11/11/05					
502	10' from West Side Bank 9' depth	11/11/05					

Relinquished by: Signature <u>Mike Stubblefield</u> Printed <u>Mike Stubblefield</u> Company <u>Y.P.C.</u> Reason	Date 11/14/05 Time 9:30 AM	Received by: Signature Printed Company Reason	Date 11/15/05 Time 11:11	Relinquished by: Signature Printed Company Reason	Date 11/15/05 Time 11:11	Received by: Signature Printed Company Reason	Date 11/15/05 Time 11:11
Method of Shipment <u>Bus</u>		Comments: <u>Please give this set of sample priority over other samples with immediate results faxed to 505-748-4635.</u>		After analysis, samples are to be:		☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer	
Shipment No.		Signature <u>Y.P.C.</u>		Signature <u>Y.P.C.</u>		Signature <u>Y.P.C.</u>	
Special Instructions:		Signature <u>Y.P.C.</u>		Signature <u>Y.P.C.</u>		Signature <u>Y.P.C.</u>	

CARRIER

West Loco Hills Emergency pit
Sampling sites 11/11/2005 *





ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE, Ste. A • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

YATES PETROLEUM CORP.

attn: MIKE STUBBLEFIELD

105 S. 4TH STREET

ARTESIA

NM 88210

Explanation of codes

B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

Assaigai Analytical Laboratories, Inc.

STANDARD

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: YATES PETROLEUM CORP.

Project: WEST LOCO HILLS G45 UNIT

Order: 0601285 YAT01 Receipt: 01-13-06


William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: 1.20' FROM NORTH SIDE BANK 15'

Collected: 01-11-06 9:30:00 By: MS

Matrix: GRAB

WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0001A			EPA 300.0 Anions by IC					By: JTK		
W06037	WC.2006.158.2	16887-00-6	Chloride	2530	mg / Kg	50	0.5		01-18-06	01-18-06

Sample: 2. MIDDLE PIT 30' DEPTH

Collected: 01-11-06 11:45:00 By: MS

Matrix: GRAB

WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0002A			EPA 300.0 Anions by IC					By: JTK		
W06037	WC.2006.158.4	16887-00-6	Chloride	1530	mg / Kg	50	0.5		01-18-06	01-18-06

Sample: 3. 20' FROM S. SIDE BANK 15'

Collected: 01-11-06 13:00:00 By: MS

Matrix: GRAB

WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0003A			EPA 300.0 Anions by IC					By: JTK		
W06037	WC.2006.158.5	16887-00-6	Chloride	1660	mg / Kg	50	0.5		01-18-06	01-18-06

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **YATES PETROLEUM CORP.**
 Project: **WEST LOCO HILLS G45 UNIT**
 Order: **0601285 YAT01** Receipt: **01-13-06**

Sample: **4. 20' FROM WEST SIDE BANK 15'** Collected: 01-11-06 13:45:00 By: MS
 Matrix: **GRAB** WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0004A EPA 300.0 Anions by IC By: JTK										
W06037	WC.2006.158.6	16887-00-6	Chloride	1210	mg / Kg	50	0.5		01-18-06	01-18-06

Sample: **5. 30' FROM EAST SIDE BANK 15'** Collected: 01-11-06 14:30:00 By: MS
 Matrix: **GRAB** WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0005A EPA 300.0 Anions by IC By: JTK										
W06037	WC.2006.158.7	16887-00-6	Chloride	3230	mg / Kg	50	0.5		01-18-06	01-18-06

Sample: **6. BACKGROUND EAST PIT SURFACE** Collected: 01-11-06 14:40:00 By: MS
 Matrix: **GRAB** WATER FLOOD STA. EMERGENCY PIT

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0601285-0006A EPA 300.0 Anions by IC By: JTK										
W06037	WC.2006.158.8	16887-00-6	Chloride	59.4	mg / Kg	50	0.5		01-18-06	01-18-06

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

MEMO: Samples were received with no ice.



Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

LABORATORIES, INC.

Lab Job No. : 00122 Date 1/1/20
Page 1 of 1

Page _____ of _____

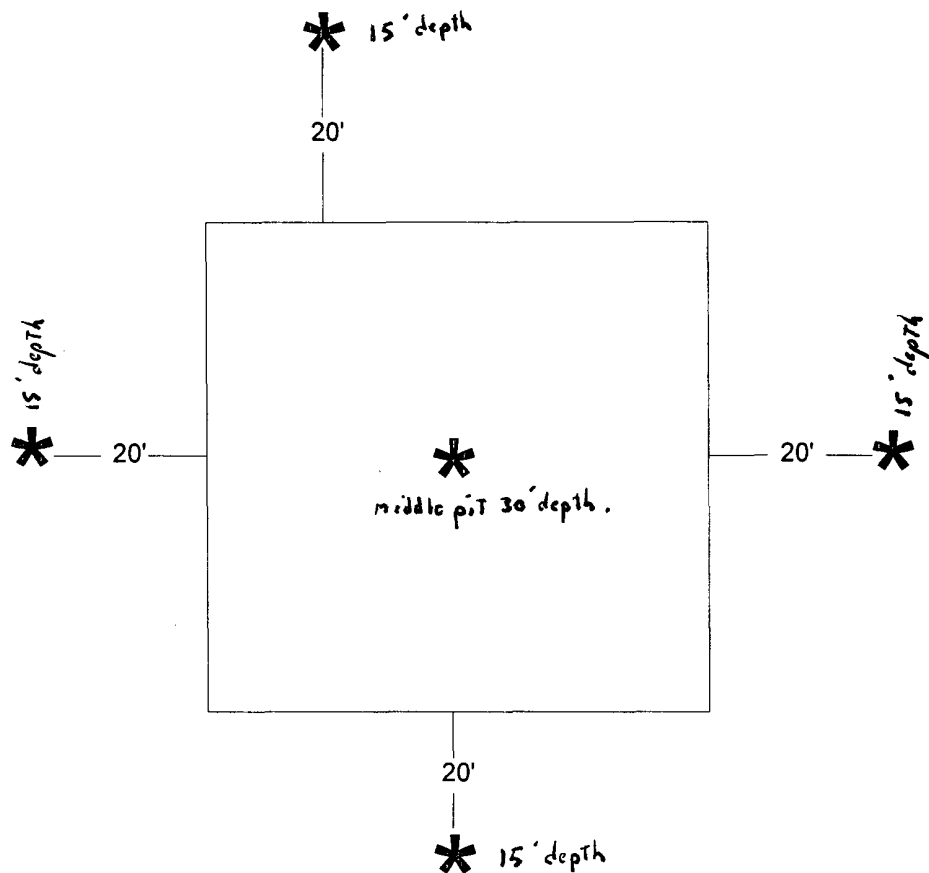
Client Vales Petroleum Corporation
Address 105 South 4th Street
City/State/Zip Artesia, New Mexico, 82210
Project Name /Number West Loro Hills 645 Unit Wark
Flood Station Emergency Pit
Contract/Purchase Order/Quote _____
Project Manager/Contact Mike Stubbelfield
Telephone No. 505-748-4500 505-365
Fax No. 505-748-4635
Samplers: (signature) Mike Stubbelfield

Project Manager / Contact Mike Stubbelfield
Telephone No. 505.748.4500 505.3635
Fax No. 505.748-4635
Samplers : (signature) Mike Stubbelfield

[illegible]

Relinquished by: Signature <u>Michael Campbell</u> Printed <u>Mike St. John</u> Company <u>Yates Petroleum Corporation</u> Reason _____		Date <u>1/12/2006</u> Time <u>3:30 PM</u>		Received by: Signature _____ Printed _____ Company _____ Reason _____		Relinquished by: Signature _____ Printed _____ Company _____ Reason _____		Date <u>1/13/06</u> Time <u>1605</u>		Received by: Signature _____ Printed _____ Company _____ Reason _____	
Method of Shipment <u>BUS</u> Shipment No. _____ Special Instructions: _____				Comments: <u>Rec w/o ice</u> <u>* transferred to another</u> <u>container @ lab</u>							
After analysis, samples are to be: ☒ Disposed of (additional fee) <u>111</u> ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer											

521000001 Male 04/10/17 500.00 11816 6-4-30 2 h)
CARRIER:



LEGEND

* Sample Site
1/11/2006



West Loco Hills Gas Unit
Water Flood Emergency Pit

Sec. 1 T18S R29E

Eddy County, NM

Sampling Diagram

(Not to Scale)