R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

May 14, 2015

Doctor Tomas Oberding
NMOCD District 1
1625 French Drive
Hobbs, NM 88240
Via E-Mail and US Mail

RE: Temporary Pit Closure Report
Warrior "BRW" State Com. No. 1H API #30-025-40220
Unit D, Section 28, T23S, R35E, Lea County

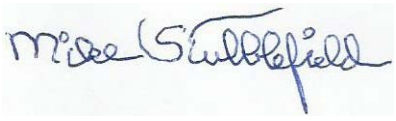
Dear Dr. Oberding:

On behalf of Yates Petroleum Corporation, R.T. Hicks Consultants submits this closure report for the above-referenced temporary pit in accordance with the approved C-144 closure plan. This report includes the following information listed in Part 21 of the C-144 form:

Requirements	Location in this Submission
Proof of Closure Notice (to surface owner and Division)	Attachment 1
Proof of Deed Notice (on-site closure on private land only)	Not applicable; State Land (no deed)
Plot Plan, C-105 form (for on-site closures and temporary pits)	Attachment 2
Confirmation Sampling Analytical Results	Not applicable.
Waste Material Sampling Analytical Results (required for on-site closure)	Attachment 3
Disposal Facility Name and Permit Number	Not applicable; on-site closure
Soil Backfilling and Cover Installation	Attachment 4
Re-vegetation Application Rates and Seeding Technique	Attachment 5
Site Reclamation (photo documentation)	To follow
Updated C-144 form	Attachment 6

R.T. Hicks Consultants will notify NMOCD and provide photo-documentation when re-vegetation obligations described in subsection H of 19.15.17.13 NMAC are met.

Sincerely,
R.T. Hicks Consultants



Mike Stubblefield
Project Manager

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

January 6, 2015

Dr. Tomáš Oberding
NMOCD District 1
1625 French Drive
Hobbs, New Mexico 88240
VIA EMAIL

RE: Warrior BRW State Com. #1H Temporary Pit, In-place Burial Notice
Unit D, Section 28, T23S, R35E, API #30-025-40220

Dr. Oberding:

On behalf of Yates Petroleum Corporation, R. T. Hicks Consultants is provides this notice to NMOCD with a copy to the State Land Office (certified, return receipt request) that closure operations at the above- referenced pit will begin on Thursday, January 8 2015. The closure process should require about two weeks, depending on the availability of machinery. The rig was released on October 27, 2014.

After hydraulic fracturing and flow-back were completed, 4-point composite samples were collected from the inner horseshoe cell, outer horseshoe cell, and from the clean soil of the berms (beneath the liner) of the pit on December 3, 2014 for laboratory analyses. The table below calculates the concentration for "3:1 stabilized" material to allow comparison with Table II the Pit Rule (Closure Criteria for Burial Trenches and Waste Left in Place in Temporary Pits). The formula use in the table below is:

$$3{:}1\ \text{Stabilized Solids} = \frac{(\text{Outer Composite}*0.66) + (0.34*\text{Inner Composite}) + (\text{Mixing Dirt}*3)}{4}$$

Well Name	Sample Name	Sample Type	Sample Date	Chloride 80,000	Benzene 10	BTEX 50	GRO+DRO 1000	TPH 418.1 2500	GRO+DRO+ DROext	GRO	DRO	MRO	T	E	X	Lab	Report
Warrior 1H Pit	Outer Composite		12/3/2014	22000	1.2	16.8	1080	2100	1080	170	910	0	5.6	2.7	7.3	Hall	2
Warrior 1H Pit	Inner Composite		12/3/2014	76000	0	0	0	0	0	0	0	0	0	0	0	Hall	2
Warrior 1H Pit	Mixing Dirt Comp.		12/3/2014	0	0	0	0	0	0	0	0	0	0	0	0	Hall	2
	3:1 Stabilized	CALCULATED		14355.00	0.10	1.39	89.10	173.25	89.10								

The inner composite and outer composite ratio in the formula approximates the solids volume generated during drilling. The solids placed in the outer shoe are derived from drilling the surface casing string and production string. The inner shoe contains solids from drilling intermediate casing string.

Laboratory analyses (attached) of the component samples and the calculation of stabilized cuttings "demonstrate that, after the waste is solidified or stabilized with soil or other non-waste material at a ratio of no more than 3:1 soil or other non-waste material to waste, the concentration of any contaminant in the stabilized waste is not higher than the parameters listed in Table II of 19.15.17.13 NMAC."

This letter is being transmitted to the surface owner via email (return receipt) Mail. A variance request regarding this action is attached to this letter.

I will follow up this notice with a phone call the day before closure begins.

Sincerely,
R.T. Hicks Consultants

Mike Stubblefield
Project Manager

Copy: Yates Petroleum Corporation
, Mr. Bill Angle
Limestone Livestock LLC.
76 Angle Road
Lovington, NM 88260
CERTIFIED MAIL – RETURN RECIEPT REQUEST

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 17, 2014

Mike Stubblefield

R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104
TEL: (505) 266-5004
FAX (505) 266-0745

RE: Warrior BRW State Com. 1H OrderNo.: 1412356

Dear Mike Stubblefield:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/5/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1412356**
Date Reported: **12/17/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: Outer Comp.
Project: Warrior BRW State Com. 1H
Collection Date: 12/3/2014 10:37:00 AM
Lab ID: 1412356-001 **Matrix:** SOIL **Received Date:** 12/5/2014 1:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	910	99		mg/Kg	10	12/10/2014 10:15:50 AM	16741
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	12/10/2014 10:15:50 AM	16741
Surr: DNOP	0	63.5-128	S	%REC	10	12/10/2014 10:15:50 AM	16741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	170	25		mg/Kg	5	12/11/2014 10:51:11 PM	16720
Surr: BFB	173	80-120	S	%REC	5	12/11/2014 10:51:11 PM	16720
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	1.2	0.12		mg/Kg	5	12/11/2014 10:51:11 PM	16720
Toluene	5.6	0.25		mg/Kg	5	12/11/2014 10:51:11 PM	16720
Ethylbenzene	2.7	0.25		mg/Kg	5	12/11/2014 10:51:11 PM	16720
Xylenes, Total	7.3	0.50		mg/Kg	5	12/11/2014 10:51:11 PM	16720
Surr: 4-Bromofluorobenzene	124	80-120	S	%REC	5	12/11/2014 10:51:11 PM	16720
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	22000	750		mg/Kg	500	12/10/2014 5:12:42 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	2100	200		mg/Kg	10	12/10/2014 12:00:00 PM	16737

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: Inner Comp.
Project: Warrior BRW State Com. 1H
Collection Date: 12/3/2014 10:51:00 AM
Lab ID: 1412356-002 **Matrix:** SOIL **Received Date:** 12/5/2014 1:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/10/2014 10:45:39 AM	16741
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/10/2014 10:45:39 AM	16741
Surr: DNOP	122	63.5-128		%REC	1	12/10/2014 10:45:39 AM	16741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/11/2014 11:18:30 PM	16720
Surr: BFB	110	80-120		%REC	1	12/11/2014 11:18:30 PM	16720
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	12/11/2014 11:18:30 PM	16720
Toluene	ND	0.050		mg/Kg	1	12/11/2014 11:18:30 PM	16720
Ethylbenzene	ND	0.050		mg/Kg	1	12/11/2014 11:18:30 PM	16720
Xylenes, Total	ND	0.099		mg/Kg	1	12/11/2014 11:18:30 PM	16720
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	1	12/11/2014 11:18:30 PM	16720
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	76000	15000		mg/Kg	1E	12/15/2014 6:44:04 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/10/2014 12:00:00 PM	16737

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: Mixing soil
Project: Warrior BRW State Com. 1H
Collection Date: 12/3/2014 10:30:00 AM
Lab ID: 1412356-003
Matrix: SOIL
Received Date: 12/5/2014 1:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/10/2014 11:15:21 AM	16741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/10/2014 11:15:21 AM	16741
Surr: DNOP	104	63.5-128		%REC	1	12/10/2014 11:15:21 AM	16741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/10/2014 3:31:39 AM	16720
Surr: BFB	90.9	80-120		%REC	1	12/10/2014 3:31:39 AM	16720
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	12/10/2014 3:31:39 AM	16720
Toluene	ND	0.050		mg/Kg	1	12/10/2014 3:31:39 AM	16720
Ethylbenzene	ND	0.050		mg/Kg	1	12/10/2014 3:31:39 AM	16720
Xylenes, Total	ND	0.10		mg/Kg	1	12/10/2014 3:31:39 AM	16720
Surr: 4-Bromofluorobenzene	95.9	80-120		%REC	1	12/10/2014 3:31:39 AM	16720
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/10/2014 5:49:55 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/10/2014 12:00:00 PM	16737

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID	**MB-16758**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**16758**	RunNo:	**23071**					
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**	SeqNo:	**681701**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-16758**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**16758**	RunNo:	**23071**					
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**	SeqNo:	**681702**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID	**MB-16737**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**16737**	RunNo:	**23041**					
Prep Date:	**12/9/2014**	Analysis Date:	**12/10/2014**	SeqNo:	**680758**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-16737**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**16737**	RunNo:	**23041**					
Prep Date:	**12/9/2014**	Analysis Date:	**12/10/2014**	SeqNo:	**680759**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	120	20	100.0	0	118	80	120			

Sample ID	**LCSD-16737**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**16737**	RunNo:	**23041**					
Prep Date:	**12/9/2014**	Analysis Date:	**12/10/2014**	SeqNo:	**680769**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	120	20	100.0	0	115	80	120	2.55	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID **MB-16741**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16741**	RunNo: **23048**
Prep Date: **12/9/2014**	Analysis Date: **12/10/2014**	SeqNo: **681300** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		69.0	63.5	128			

Sample ID **LCS-16741**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16741**	RunNo: **23048**
Prep Date: **12/9/2014**	Analysis Date: **12/10/2014**	SeqNo: **681301** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	113	68.6	130			
Surr: DNOP	4.8		5.000		95.9	63.5	128			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID	**MB-16708**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**16708**	RunNo:	**23008**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680441**	Units:	**%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	880		1000		87.9	80	120			

Sample ID	**LCS-16708**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**16708**	RunNo:	**23008**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680442**	Units:	**%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		103	80	120			

Sample ID	**MB-16720**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**16720**	RunNo:	**23008**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680463**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.9	80	120			

Sample ID	**LCS-16720**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**16720**	RunNo:	**23008**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680464**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.1	65.8	139			
Surr: BFB	1000		1000		99.7	80	120			

Sample ID	**LCSD-16720**	SampType:	**LCSD**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS02**	Batch ID:	**16720**	RunNo:	**23008**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680465**	Units:	**%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000							0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID **MB-16708**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **16708**	RunNo: **23008**
Prep Date: **12/8/2014**	Analysis Date: **12/9/2014**	SeqNo: **680477** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000		93.3	80	120			

Sample ID **LCS-16708**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **16708**	RunNo: **23008**
Prep Date: **12/8/2014**	Analysis Date: **12/9/2014**	SeqNo: **680478** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID **MB-16720**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **16720**	RunNo: **23008**
Prep Date: **12/8/2014**	Analysis Date: **12/9/2014**	SeqNo: **680494** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	80	120			

Sample ID **LCS-16720**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **16720**	RunNo: **23008**
Prep Date: **12/8/2014**	Analysis Date: **12/9/2014**	SeqNo: **680495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.050	1.000	0	87.9	80	120			
Toluene	0.85	0.050	1.000	0	85.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID **LCSD-16720**	SampType: **LCSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS02**	Batch ID: **16720**	RunNo: **23008**
Prep Date: **12/8/2014**	Analysis Date: **12/9/2014**	SeqNo: **680496** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	92.3	80	120	4.87	20	
Toluene	0.91	0.050	1.000	0	90.7	80	120	6.28	20	
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120	4.96	20	
Xylenes, Total	2.8	0.10	3.000	0	93.3	80	120	3.91	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412356**

17-Dec-14

Client: R.T. Hicks Consultants, LTD

Project: Warrior BRW State Com. 1H

Sample ID	**LCSD-16720**	SampType:	**LCSD**	TestCode:	**EPA Method 8021B: Volatiles**
Client ID:	**LCSS02**	Batch ID:	**16720**	RunNo:	**23008**
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680496** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120	0		

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: RT HICKS | Work Order Number: 1412356 | RcptNo: 1

Received by/date: CS 12/05/14

Logged By: **Celina Sessa** 12/5/2014 1:00:00 PM Celina Sessa

Completed By: **Celina Sessa** 12/8/2014 11:16:44 AM Celina Sessa

Reviewed By: IO 12/08/2014

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present			

Chain-of-Custody Record

Client: R. T. Hicks Consultants

Mailing Address: 901 Rio Grande Blvd NW
Albuquerque, NM 87104

Phone #: (505) 266-5004

email or Fax#: R@rthicksconsult.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Warrior BRW State Com. 1H

Project #:

Project Manager: Mike Stubblefield

Sampler: Mike Stubblefield

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.8°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412356	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F^-, Cl^-, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	100 grams
12/3/14	10:37A	soil	Outer Comp.	1 glass	ice	-001	✓		✓	✓				✓				✓
12/3/14	10:51A	soil	Inner Comp.	1 glass	ice	-002	✓		✓	✓				✓				✓
12/3/14	10:30A	soil	Mixing soil	1 glass	ice	-003	✓		✓	✓				✓				✓

Analysis Request

Date	Time	Relinquished by:	Received by:	Date	Time
12/4/14	1000	Mike Stubblefield	Randall Hall	12/4	1000
12/5/14	1000	Randall Hall	Celina Sanchez	12/05/14	1300

Remarks: Email results to mike@, R@rthicksconsult.com

7013 3020 0001 3458 4856

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

LOVINGTON NM 88260

OFFICIAL USE

Postage	$ $0.49	JAN - 8 0612
Certified Fee	$3.30	09
Return Receipt Fee (Endorsement Required)	$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$ $6.49	01/06/2015

USPS 88210 NM

Sent To: Mr. Bill Angle / Limestone Livestock LLC
Street, Apt. No.; or PO Box No.: 76 Angle Road
City, State, ZIP+4: Lovington, New Mexico 88260

PS Form 3800, August 2006 — See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Bill Angle
Limestone Livestock, LLC
76 Angle Road
Lovington, New Mexico
88260

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

LOVINGTON NM 88260 JAN 8 2015 USPS

3. Service Type
☑ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7013 3020 0001 3458 4856

PS Form 3811, July 2013 Domestic Return Receipt

Wed 1/7/2015 1:37 PM

Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>

RE: In-place Burial Notice for Yates Petroleum Corporation Warrior BRW State Com. No.1H

To mike stubblefield

Cc 'Scott Pitts'; 'Randall Hicks'

You forwarded this message on 1/8/2015 3:49 PM.

Aloha Mr. Stubblefield et al,

Thank you for providing these sample summaries.

Based on the indicated levels OCD approves the in-place-burial of the pit as described. Please note final closure will be granted upon receipt of evidence of regrowth.

Mahalo all and be safe!
-Doc

Tom'Doc' Oberding, PhD
Senior Environmental Specialist
New Mexico Oil Conservation Division, District 1
Energy, Minerals and Natural Resources Department
(575) 393-6161 ext 111
E-Mail: tomas.oberding@state.nm.us

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-105
Revised August 1, 2011

1. WELL API NO. 30-025-40220

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.
VB-1073

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name
Warrior BRW State Com.

6. Well Number: 1H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator
Yates Petroleum Corporation

9. OGRID
025575

10. Address of Operator
105 S. 4th Street, Artesia, New Mexico 88210

11. Pool name or Wildcat
Wildcat; Bone Spring

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	28	T23S	R35E		330’	FNL	660’	FWL	Lea
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
10/31/2011	10/22/2014	10/27/2014	3/6/2015	

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Test Witnessed By

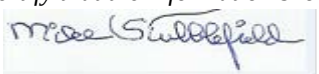
31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude 32.28202 Longitude 103.37913 NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature  Printed Name Mike Stubblefield Title R.T. Hicks Consultants, LTD Date 5/11/2015

E-mail Address mike@rthicksconsult.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy_____	T. Canyon_____	T. Ojo Alamo_____	T. Penn A"_____
T. Salt_____	T. Strawn_____	T. Kirtland _____	T. Penn. "B"_____
B. Salt_____	T. Atoka_____	T. Fruitland_____	T. Penn. "C"_____
T. Yates_____	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. 7 Rivers_____	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Queen_____	T. Silurian_____	T. Menefee_____	T. Madison_____
T. Grayburg_____	T. Montoya_____	T. Point Lookout_____	T. Elbert_____
T. San Andres_____	T. Simpson_____	T. Mancos_____	T. McCracken_____
T. Glorieta_____	T. McKee_____	T. Gallup_____	T. Ignacio Otzte_____
T. Paddock_____	T. Ellenburger_____	Base Greenhorn_____	T.Granite _____
T. Blinebry_____	T. Gr. Wash_____	T. Dakota_____	
T.Tubb_____	T. Delaware Sand_____	T. Morrison_____	
T. Drinkard_____	T. Bone Springs_____	T.Todilto_____	
T. Abo_____	T._____	T. Entrada_____	
T. Wolfcamp_____	T._____	T. Wingate_____	
T. Penn_____	T._____	T. Chinle_____	
T. Cisco (Bough C)_____	T._____	T. Permian_____	

OIL OR GAS SANDS OR ZONES

No. 1, from……..…..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

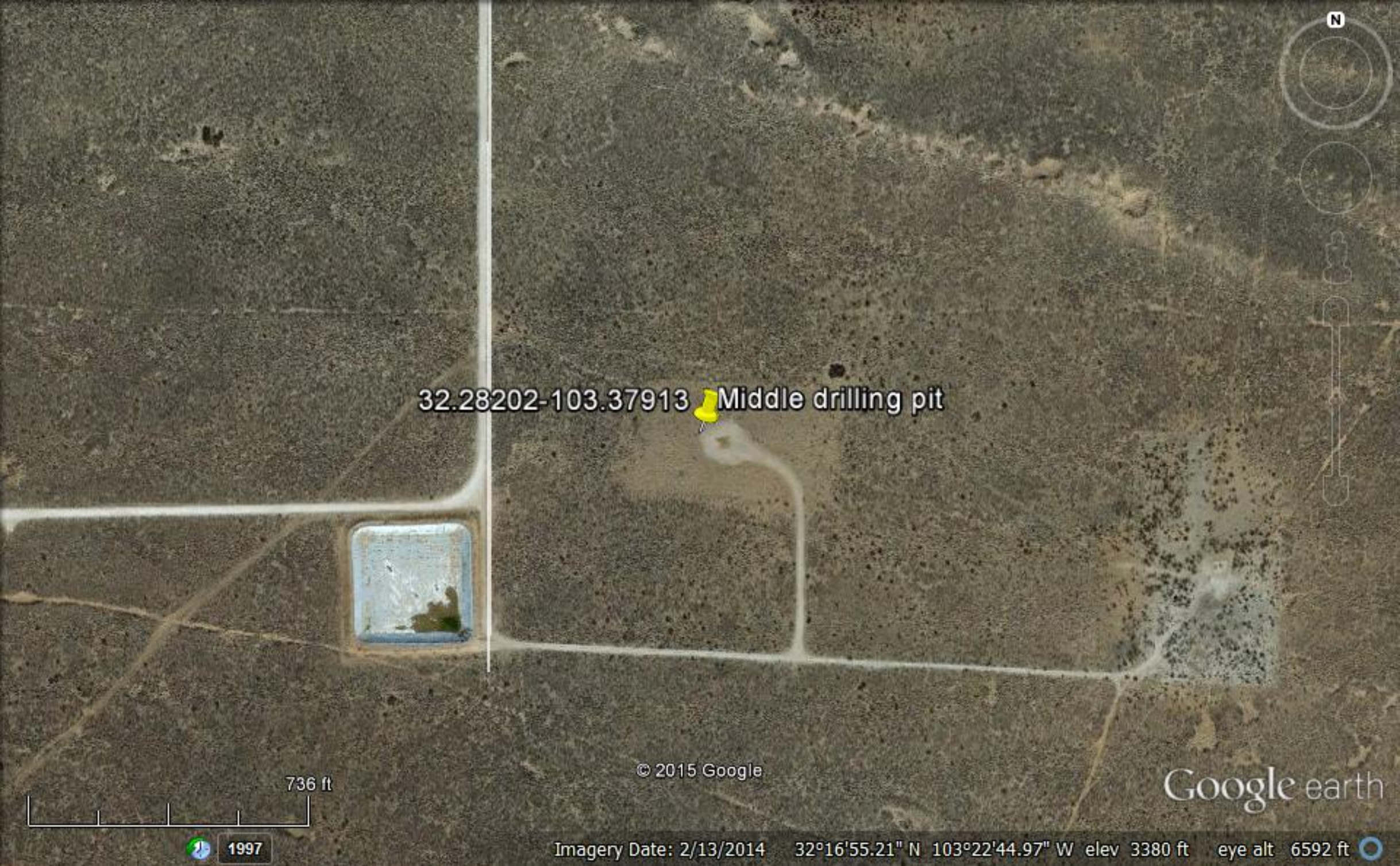
No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology


N
32.28202-103.37913 Middle drilling pit
© 2015 Google
Google earth
736 ft
1997
Imagery Date: 2/13/2014 32°16'55.21" N 103°22'44.97" W elev 3380 ft eye alt 6592 ft

SOIL BACKFILLING & COVER INSTALLATION

In accordance with the requirements listed in paragraph D of 19.15.17.13 NMAC, the operator employed the following steps for in-place burial of the waste material from the temporary pit:

1. The on-site burial location and its depth is in compliance with the siting criteria presented in the C-144 application and the Pit Rule under which it was submitted to the NMOCD on August 12, 2014 and approved on August 12, 2014. After the rig was released on October 27, 2014, fluid contents in the pit were removed to be recycled for the drilling of other wells while the cuttings were allowed to dry.

2. On December 3, 2014, prior to the initiation of closure activities, composite samples from the inner and outer cells and clean soil from the berms of the pit below the liner were recovered from the pit. Samples were analyzed for Chloride, TPH, GRO, DRO, MRO, Benzene, and BTEX at Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. The results, as noted in the subsequent closure notice, demonstrate that the mathematic mixed pit contents would not exceed the parameter limits listed in Table II of the new Pit Rule (June 2013).

3. On August 12, 2014, R.T. Hicks Consultants submitted a C-144 form and closure plan to NMOCD for approval to close the pit under the June 2013 Pit Rule. NMOCD granted approval on August 12, 2014, a closure notice was submitted on January 7, 2015 to the NMOCD, District 1 office in Hobbs and to the Landowner Bill Angell on the same day. Verbal notice in the form of a phone call to NMOCD followed on January 7, 2015. Dr. Tomas Oberding granted approval by email on the closure notice to Mike Stubblefield on January 7, 2015.

4. On January 8, 2015, closure activities commenced and stabilization of the pit contents was achieved by mixing the pit contents with the dry soil beneath the liner of the pit. Stabilization continued until April 20, 2015 when a paint filter test was performed by R.T. Hicks Consultants that confirmed that the process was complete and that the resultant floor of the excavation was at least 4 feet deep.

5. Following the April 20, 2015 inspection, having achieved all applicable stabilization requirements associated with in-place burial, a 20 Mil. geomembrane liner was installed to completely cover the stabilized cuttings on April 20, 2015. The pit contents and liner were shaped to shed infiltrating water, sloping from west to east.

6. Once the geomembrane cover was in place, 4 feet or more of non-waste containing, uncontaminated, earthen material and the reserved topsoil were replaced to their relative positions in accordance with Subsection (3) of Paragraph H of 19.15.17.13 NMAC. The soil cover consists of at least four feet of compacted, non-waste containing, earthen material. The uppermost topsoil is equal to the background thickness at least one foot.

7. The surface was contoured to blend with the surrounding topography and to prevent erosion and the ponding of water over the on-site closure. This work was completed on April 25, 2015.

Paint filter test on 4/20/2015

Liner Installation completed on 4/20/2015.
Viewing from North to South.

RE-VEGETATION PROCEDURES

There were no roads or surface drainage features nearby that required restoration or preservation.

1. In June when the ambient ground temperature are more favorable to support new vegetation, Morgan tool of Artesia will seed the topsoil on the on-site burial and interim reclamation areas using a seed drill pulled by a tractor that prepared the seedbed in the same pass using discs. The seed furrows will be oriented perpendicular to the prevailing western wind to minimize erosion.

2. Approximately 70 pounds of a seed mixture consisting of BLM #2 seed will be applied in accordance with the supplier's instructions to approximately 1 acre of the former temporary pit area. Species constituents of BLM #2 blend are listed below and are appropriate for the soil type and conditions at this site. Note that Plains Bristlegrass, a majority component of the BLM #2 assortment, was unavailable so appropriate substitute species approved by the BLM were used.

   BLM #2
   Sideoats Grama
   Little Bluestem
   Sand Dropseed
   Indian Ricegrass
   Plains Coreopsis

3. The seeded area will be monitored for growth and the operator will repeat seeding until a successful vegetative cover is achieved as outlined in Subsection (5) of Paragraph H of 19.15.17.13 NMAC.

4. If conditions are not favorable for the establishment of vegetation, such as periods of drought, the operator may request that the division allow a delay in additional seeding until soil moisture conditions become favorable. The operator will notify the division and provide photo-documentation when it successful re-vegetation is achieved.

Labels on seed sacks describing composition species

