

Bratcher, Mike, EMNRD

From: Michael Stubblefield [mstubblefield@talonlpe.com]
Sent: Wednesday, February 01, 2012 8:33 AM
To: Bratcher, Mike, EMNRD
Cc: gnewton@pvtnetworks.net
Subject: FW: ARTESIA NO 22
Attachments: H200164 TALON.pdf

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected on 1/19/2012 at the Quantum Resources Management, LLC Artesia Unit No. 22 release. Based on the analytical results Quantum Resources Management< LLC is requesting approval to backfill the excavation from 10'-deep to 4'-deep, place a 20 mil. liner into the excavated area, start backfilling the excavated area using new soil transported to location. If further information is required please contact me at 575-441-7254.

Mike Stubblefield
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
(575) 441.7254 cell
www.talonlpe.com



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist
Staples Foundation for Learning Hall of Fame Recipient: 2010
ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006
Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Monday, January 30, 2012 12:09 PM
To: Michael Stubblefield
Cc: David Adkins; Kimberly M. Wilson
Subject: ARTESIA NO 22

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326
F: (575) 393-2476
e-mail: celey.keene@cardinallabsnm.com

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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 30, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ARTESIA NO. 22

Enclosed are the results of analyses for samples received by the laboratory on 01/23/12 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-1 NORTHSIDE WALL (H200164-01)

BTEx 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 109 % 64 4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2012	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

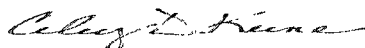
Surrogate 1-Chlorooctane 93.3 % 55 5-154

Surrogate 1-Chlorooctadecane 124 % 57 6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-2 EASTSIDE WALL (H200164-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 108 % 64 ± 134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	01/26/2012	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

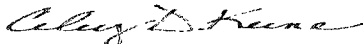
Surrogate 1-Chlorooctane 86.2 % 55.5-154

Surrogate 1-Chlorooctadecane 115 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-3 SOUTHSIDE WALL (H200164-03)

BTEx 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 108 % 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	01/26/2012	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

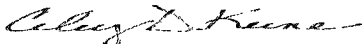
Surrogate 1-Chlorooctane 100 % 55 5-154

Surrogate 1-Chlorooctadecane 133 % 57 6-158

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*=Accredited Analyte

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Celestine Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
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ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-4 WESTSIDE WALL (H200164-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 109 % 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/26/2012	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

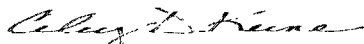
Surrogate 1-Chlorooctane 69 4 % 55 5-154

Surrogate 1-Chlorooctadecane 85 2 % 57 6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-5 BOTTOM 7' BGS (H200164-05)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 110 % 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7680	16.0	01/26/2012	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

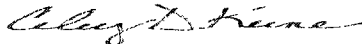
Surrogate 1-Chlorooctane 103 % 55 5-154

Surrogate 1-Chlorooctadecane 138 % 57 6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-6 NORTHSIDE WALL (H200164-06)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2012	ND	1.83	91.4	2.00	5.44	
Toluene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.68	
Ethylbenzene*	<0.050	0.050	01/28/2012	ND	1.94	97.1	2.00	5.73	
Total Xylenes*	<0.150	0.150	01/28/2012	ND	6.07	101	6.00	5.61	

Surrogate 4-Bromofluorobenzene (PIL) 106 % 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/26/2012	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

Surrogate 1-Chlorooctane 105 % 55 5-154

Surrogate 1-Chlorooctadecane 143 % 57 6-158

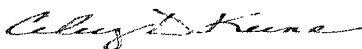
Sample ID: S-7 EASTSIDE WALL (H200164-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	01/26/2012	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-8 SOUTHSIDE WALL (H200164-08)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	01/26/2012	ND	448	112	400	0.00		

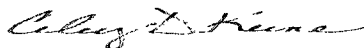
Sample ID: S-9 WESTSIDE WALL (H200164-09)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	01/26/2012	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	01/23/2012	Sampling Date:	01/19/2012
Reported:	01/30/2012	Sampling Type:	Soil
Project Name:	ARTESIA NO. 22	Sampling Condition:	Cool & Intact
Project Number:	701407.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 35 - T17S - R28E		

Sample ID: S-10 BOTTOM 2.5' BGS (H200164-10)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2012	ND	1.94	96.9	2.00	6.70	
Toluene*	<0.050	0.050	01/30/2012	ND	2.07	104	2.00	6.87	
Ethylbenzene*	<0.050	0.050	01/30/2012	ND	2.07	103	2.00	6.68	
Total Xylenes*	<0.150	0.150	01/30/2012	ND	6.46	108	6.00	6.43	

Surrogate 4-Bromofluorobenzene (PIL) 108 % 64 4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/26/2012	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2012	ND	174	86.8	200	0.0835	
DRO >C10-C28	<10.0	10.0	01/26/2012	ND	225	113	200	6.70	

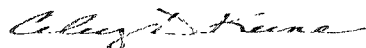
Surrogate 1-Chlorooctane 104 % 55 5-154

Surrogate 1-Chlorooctadecane 141 % 57 6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Company Name: Talon / LPE						BILL TO								ANALYSIS REQUEST							
Project Manager: Mike Stubblefield						P.O. #:															
Address: 408 W. Texas Ave.						Company:															
City: Artesia State: N.M Zip: 88210						Attn:															
Phone #: 505-441-7284 Fax #:						Address:															
Project #: 701407-010-01 Project Owner: Quantum Res. Man.						City:															
Project Name: Artesia No. 22						State:		Zip:													
Project Location: sec. 36 T12S-R22E						Phone #:															
Sampler Name: Mike Stubblefield						Fax #:															
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING											
Lab I.D.	Sample I.D.	(GRAB OR C/JOMP)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SUDGE	OTHER	ACID/BASE	ICE/Cool	OTHER	DATE	TIME	8015 M TPH	8021 B BTX	Total chlorides				
H2DD/b4																					
1	S-1 Northside wall	/				/				/			1/19/12	10:58A	/	/	/				
2	S-2 East side wall	/				/				/			1/19/12	10:49A	/	/	/				
3	S-3 South side wall	/				/				/			1/19/12	11:04A	/	/	/				
4	S-4 West side wall	/				/				/			1/19/12	11:07A	/	/	/				
5	S-5 Bottom n' bgs	/				/				/			1/19/12	11:09A	/	/	/				
6	S-6 north side man	/				/				/			1/19/12	11:17A	/	/	/				
7	S-7 East side wall	/				/				/			1/19/12	11:18A	/	/	/				
8	S-8 South side wall	/				/				/			1/19/12	11:24A	/	/	/				
9	S-9 west side wall	/				/				/			1/19/12	11:30A	/	/	/				
10	S-10 Bottom 2' bgs.	/				/				/			1/19/12	11:35A	/	/	/				

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Relinquished By: mike stubblefield	Date: 1/19/2012 Time: 9:00 AM	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone # Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax # REMARKS:
	Date: 1/23/12 Time: 11:00		
	Delivered By: (Circle One) Sampler - UPS - Bus Other: _____		
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) JSB	



AMARILLO • AUSTIN • MIDLAND • SAN ANTONIO • ARTESIA, NM • HOBBS, NM • TULSA, OK

Project Correspondence Sheet

☐ Field ☐ Office ☐ Reimbursement ☐ Proposal
☐ OK ☐ NM ☐ TX ☐ Other

Date: 1/26/2012	Time:	Project Manager: M. Stubblefield
Project Number:		
Project Name: Quantum Resources Management, LLC Artesia Unit No 22 release.		
Topic:		
Notes:		
<div style="text-align: center;">N</div> <div>Lease road</div> <div><div><div>S-1</div><div>S-4 S-5 S-2</div><div>S-3</div></div><div><div>S-6</div><div>S-9 S-10 S-7</div><div>S-8</div></div><div>Apache Corp. O. State No. 17 <div></div></div></div>		
Document must be filed in Project File	Prepared by: M.C.S.	Page 1 of 1 1" = 30'