

CONSULTING AND ENVIRONMENTAL REMEDIATION 23 January, 2008

Mr. Larry Johnson Environmental Engineer Specialist New Mexico Oil Conservation Division 1625 North French Drive Hobbs, New Mexico 88240

RE: Closure Report Chesapeake Operating, Inc. Pronghorn State #1 UL-G (SW ¼ of the NE ¼), Section 34, T 23 S, R 34 E Longitude: 32° 15' 46.45"; Latitude: 103° 27' 20.87" NMOCD Ref. #1RP-809; EPI Ref. #160050

Dear Mr. Johnson:

Environmental Plus, Inc., (EPI) on behalf of Mr. Bradley Blevins, Chesapeake Operating, Inc., submits this letter *Closure Report* for the above referenced Site.

Activities were initiated to bring the impacted area into conformance with NMOCD requirements. For clarity and cross reference elimination purposes, the following Letter Closure Report offers Site Background history, Site Delineation, Remediation Activities and Conclusion.

Site Background

The Site is located in UL-G (SW ¼ of the NE¼), Section 34, T23S, R34E at an elevation of approximately 3,458 feet above mean sea level (amsl) on property owned by Jim Keller. A search for water wells was completed utilizing the <u>New Mexico Office of the State Engineers</u> website and a database maintained by the United States Geological Survey (USGS). No wells (domestic, agriculture or public) or bodies of surface water exist within a 1,000 feet radius of the Site (reference *Figure 2*). Groundwater data indicates the average water depth is approximately 475 feet below ground surface (bgs). Based on available information, it was projected distance between impacted soil and groundwater is approximately 469 vertical feet. Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
ТРН	5,000 parts per million

* Chloride residuals may not be capable of impacting local groundwater above NMWQCC of 250 mg/L A. Site Delineation – On January 17, 2006 EPI mobilized at the Site to conduct a site assessment consisting of a GPS surveying and photographing. After initial site assessment, EPI delineated impacted areas on February 1, 2 and 10 via advancement of three (3) soil borings to vertical depths ranging from sixteen (16) feet below ground surface (bgs) to twenty-one (21) feet bgs. Soil boring soil samples were collected initially at two (2) feet bgs and then five (5) foot intervals thereafter. BTEX and TPH constituent concentrations were reported below NMOCD remedial threshold goals. Chloride concentrations ranged from 12.4 mg/Kg (SB-3 @ 15' bgs) to 553 mg/Kg (SB-3 @ 5' bgs). Sulfate concentrations ranged from 19.8 mg/Kg (SB-2 @ 5' bgs) to 1,380 mg/Kg (SB-1 @ 2' bgs) (reference Table 2).

On April 3, 2006 soil samples (16 ea.) were collected from the sidewalls and floors of the three (3) excavations. BTEX and sulfate constituent concentrations were reported below NMOCD remedial threshold goals for all samples. TPH concentrations were below remedial goals with exception of soil sample E1-SW-2 @ 1' bgs (12,700 mg/Kg). Chloride concentrations ranged from 19.5 mg/Kg (E1-SW-3 @ 1' bgs) to 6,280 mg/Kg (E3-BH-1 @ 2' bgs) (reference *Table 3* and *Figure 5*).

On May 20, 2006 two (2) soil samples were collected from the sidewall and floor of Excavation #3. BTEX, TPH and sulfate constituent concentrations were not analyzed. Chloride concentrations ranged from 14 mg/Kg to 950 mg/Kg (reference *Table 3* and *Figure 5*).

On May 30, 2006 one (1) soil sample was collected from the sidewall of Excavation #1. BTEX, TPH, chloride and sulfate constituent concentrations were reported below NMOCD remedial threshold goals (reference *Table 3* and *Figure 5*).

- B. Remedial Activities From March 24 through May 24, 2006 approximately 200 yds³ of impacted soil were removed from Excavations I, II and III comprising an area of ~1,404-ft² at depths ranging from 1- to 8-ft bgs. Impacted soil was transported to Sundance Services, Inc. for disposal. From May 25 through June 2, 2006 the excavations were backfilled with caliche (~180 yds³) obtained from a State owned caliche pit and pea gravel (~20 tons) purchased from Wallach Concrete, Inc. The disturbed areas were contoured to allow natural drainage.
- C. **Conclusion** Based on projected groundwater elevation (~475-ft bgs) and with in-situ chloride impacted soil confined to a relatively small area on the production pad, natural attenuation should reduce chloride concentration during vertical migration towards groundwater. Therefore no further action should be required at this site.

Questions, concerns and/or needs for additional technical information should be directed to David P. Duncan at (575) 394-3481 (office), (575) 441-7802 (cellar) or via e-mail at <u>dduncan@envplus.net</u>. Official communications should be directed to Mr. Bradley Blevins at (575) 391-1462, ext. 6224 (office), (575) 441-0341 (mobile) or via e-mail at <u>bblevins@chkenergy.com</u>. Correspondence should be addressed to:

> Mr. Bradley Blevins Chesapeake Operating, Inc. 1616 West Bender Hobbs, New Mexico 88240

Sincerely,

Daniel Dominguez Environmental Consultant

Cc: Harlan Brown, Chesapeake Energy – Oklahoma City, OK Jim Keller, Land Owner, Oakley, Ks. File

Encl: Figure 1 – Area Map

Figure 2 – Site Location Map

Figure 3 – Site Map

Figure 4 – Soil Boring Location Map

Figure 5 – Excavation/Sample Location Map

Table 1 – Well Data

Table 2 – Summary of Soil Boring Analytical Results

Table 3 – Summary of Excavation Soil Sample Analytical Results

Attachment I – Site Photographs

Attachment II – Laboratory Analytical Results and Chain-of-Custody Forms

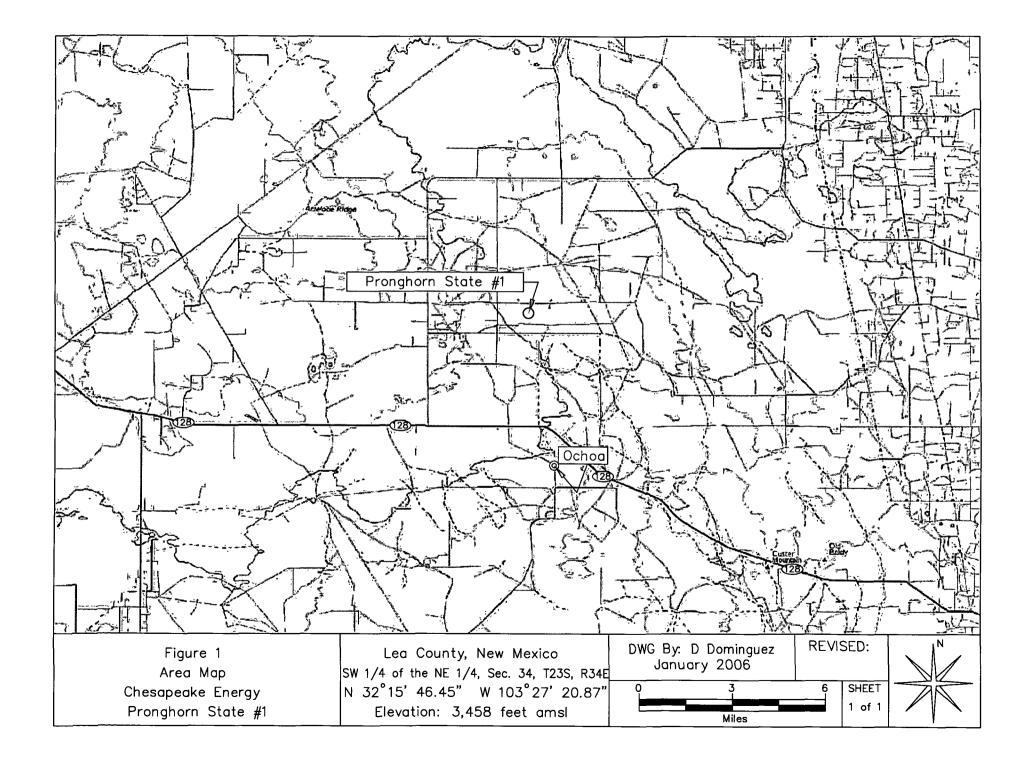
Attachment III – Soil Boring Logs

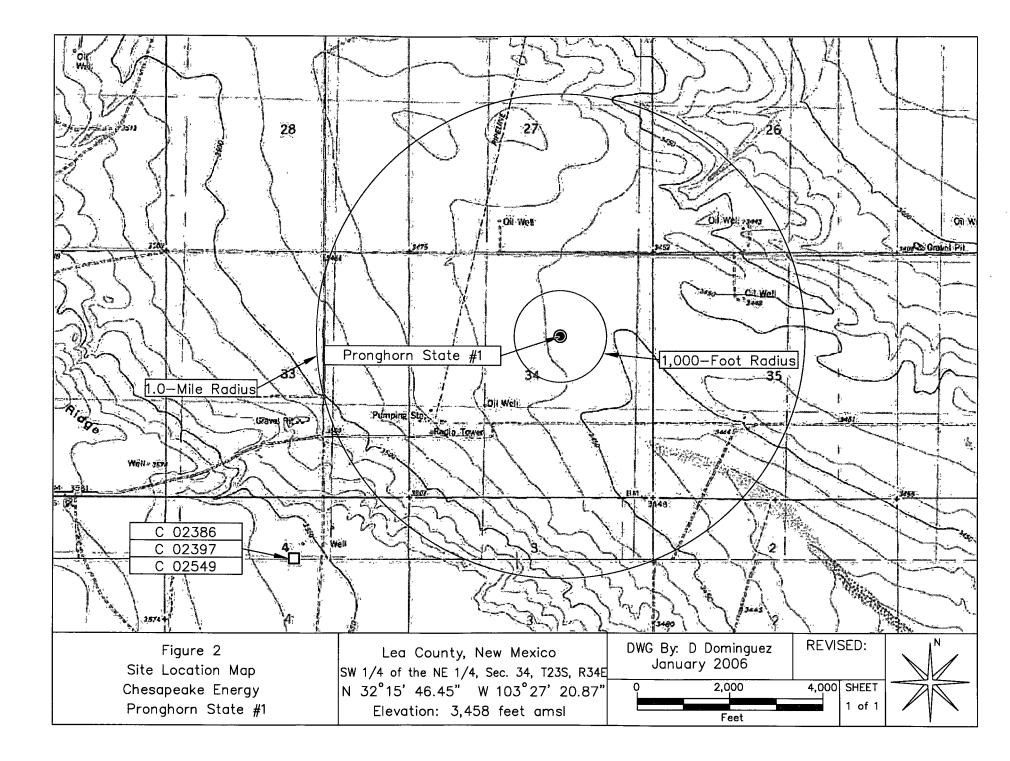
Attachment VI – Information and Metrics

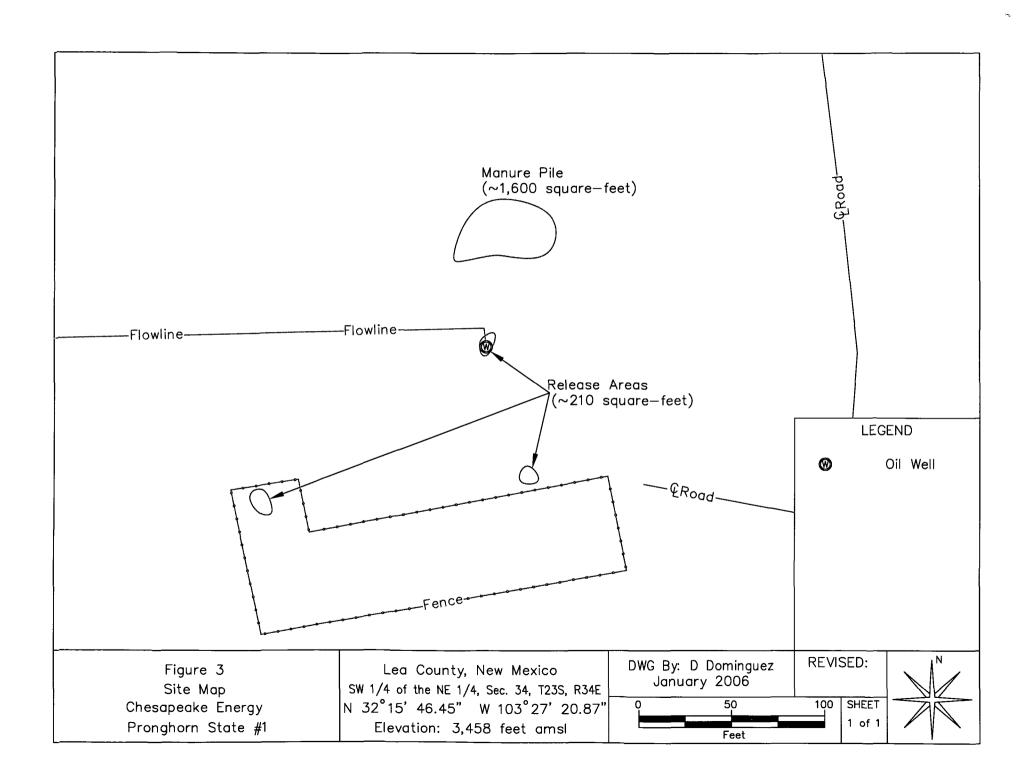
Initial NMOCD Form C-141

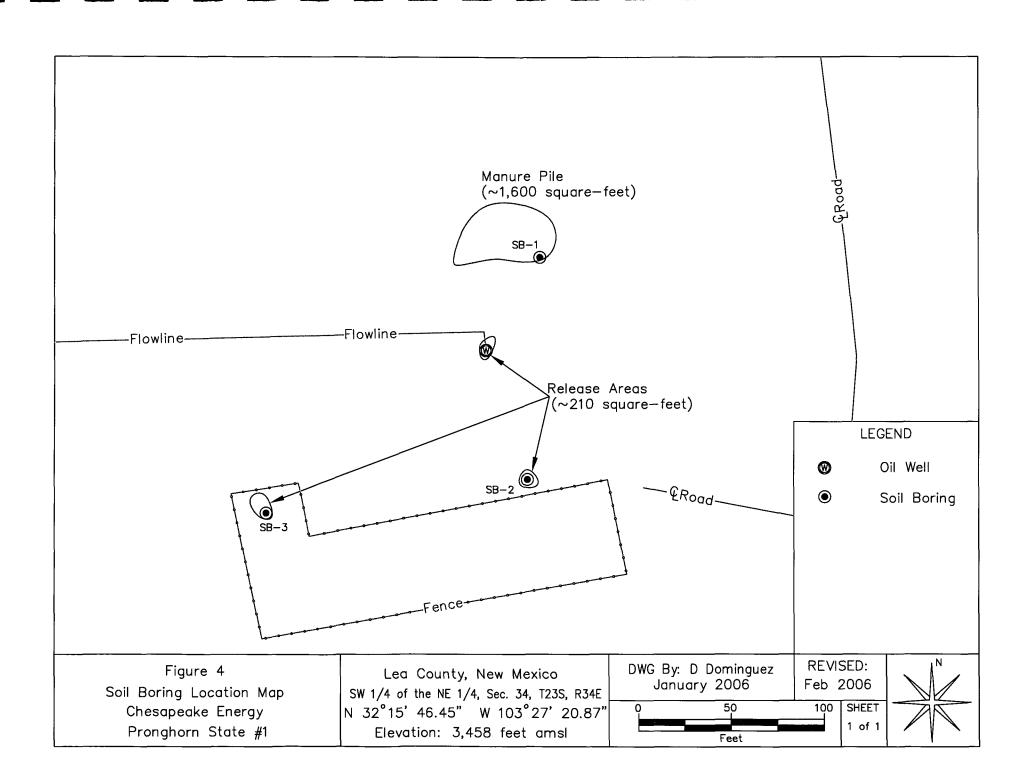
Final NMOCD Form C-141

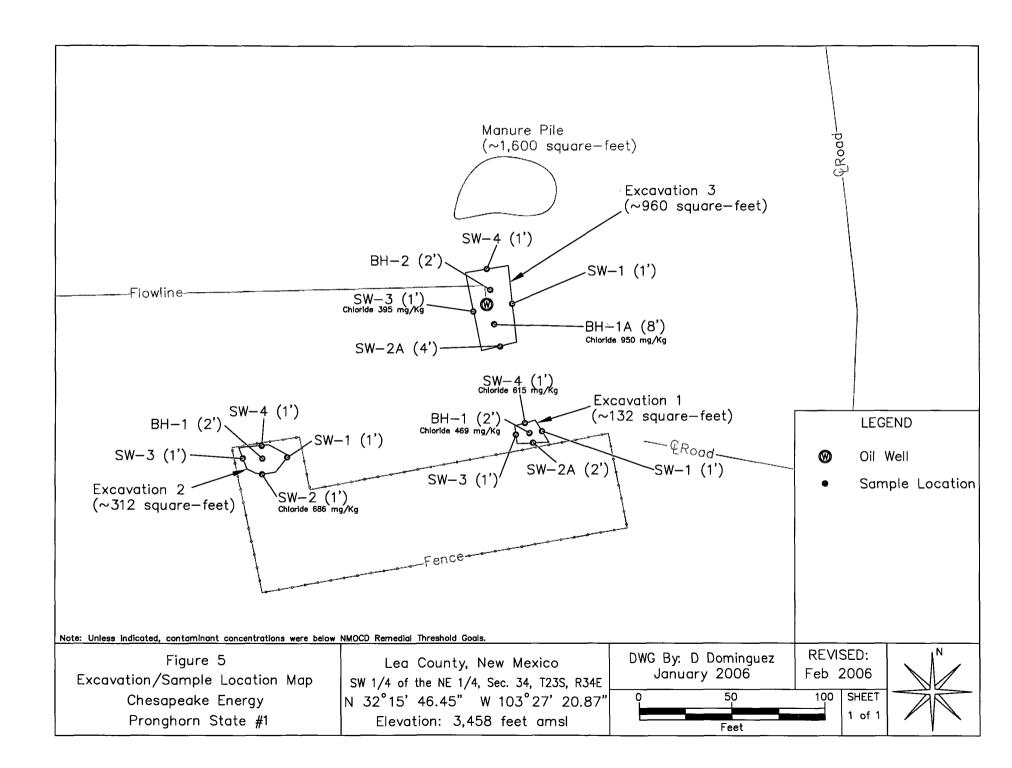
FIGURES











TABLES

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TABLE 1

Well Data

Chesapeake Energy - Pronghorn State #1 (Ref. # 160050)

Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
C 02386	3	RUBERT MADERA	DOM	24S	34E	04 214	N32° 15' 0.43"	W103° 28' 28.06"	31-Jan-60	3,555	475
C 02397	30	BERT MADERA	СОМ	24S	34E	04 214	N32° 15' 0.43"	W103° 28' 28.06"	31-Jan-60	3,555	475
C 02397	3	BERT MADERA	MUL	24S	34E	04 214	N32° 15' 0.43"	W103° 28' 28.06"	31-Jan-60	3,555	475

Data obtained from the New Mexico Office of the State Engineer Website (http://waters.ose.state.nm.us:7001/iWATERS/wr RegisServlet1) and USGS Database

 A = In acre feet per annum

 B = Elevation interpolated from USGS topographical map based on referenced location.

DOM = 72-12-1 Domestic one household

COM = Commercial

MUL = 72-12-1 Multiple domestic households

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

Shaded area indicates wells not shown in Figure 2

TABLE 2

Summary of Soil Boring Analytical Results

Chesapeake - Pronghorn State #1 (Ref. #160050)

Soil Boring	Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading	Field Chloride Analyses	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH (as gasoline)			Chloride	Sulfate
					(ppm)	(ppm)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
	SB-1 2'-3'	2-3	01-Feb-06	In Situ	06	160	<0 0250	<0 0250	<0 0250	<0.050	<0 125	<10 0	27.1	271	74 0	1,380
	SB-1 5'-6'	5-6	01-Feb-06	In Situ	04	160	<0 0250	< 0.0250	<0 0250	<0 050	<0 125	<10 0	189	189	317	74.4
SB-1	SB-1 10'-11'	10-11	01-Feb-06	In Situ	0.2	400						<10 0	111	111		228
	SB-1 15'-16'	15-16	01-Feb-06	In Situ	0 2	240						<10 0	8 74 ^A	<10.0		
	SB-1 20'-21'	20-21	01-Feb-06	In Situ	0.5	160						<10 0	<100	<10.0		
	SB-2 2'-3'	2-3	02-Feb-06	In Situ	7 2	400	<0 0250	<0 0250	<0 0250	<0 050	<0 125	54 0	1,700 0	1,750 0	411	64
SB-2	SB-2 5'-6'	5-6	02-Feb-06	In Situ	36	320	<0 0250	<0 0250	<0 0250	26.4	264	<10 0	70 2	70.2	180	198
30-2	SB-2 10'-11'	10-11	02-Feb-06	In Situ	15	160	<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10 0	<100	<10.0	13.8	
	SB-2 15'-16'	15-16	02-Feb-06	In Situ	14	160						<10 0	<10 0	<10 0		
	SB-3_2'-3'	2-3	10-Feb-06	In Situ	0.4	400	<0 0250	<0 0250	<0 0250	<0.050	<0 125	113	1,0160	1,030 0	464	43 8
	SB-3 5'-6'	5-6	10-Feb-06	In Situ	03	640	<0 0250	<0 0250	<0 0250	<0.050	<0 125	<10 0	578	578	553	47 7
SB-3	SB-3 10'-11'	10-11	10-Feb-06	In Situ	03	320	<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10 0	<10 0	<10.0	163	
	SB-3 15'-16'	15-16	10-Feb-06	In Situ	04	160						<10 0	12.9	12.9	12 4	
	SB-3 20'-21'	20-21	11-Feb-06	In Situ	04	160						<10.0	<10.0	<10 0		
	NMOCD Rem	edial Thres	holds		100		10		1		50			5,000	250 ^B	600 ^B

Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards

- = Not Analyzed

^A Detected below laboratory method detection limits, therefore an estimate

^B Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm and 600 ppm, respectively

TABLE 3

Summary of Excavation Soil Sample Analytical Results

Chesapeake - Pronghorn State #1 (Ref. #160050)

Excavation	Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading	Field Chloride Analyses (ppm)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH	Chloride	Sulfate
	E1-BH-1 2'	2	03-Apr-06	In Situ	38.1	,	<0.0250	<0 0250	<0 0250	<0 050	<0.125	<10.0	34 9	(ing/kg) 34.9	(ing/Rg)	4 99
	E1-SW-11'	1	03-Apr-06	In Situ	44 1		<0 0250	<0.0250	<0 0250	<0.050	<0 125	<10.0	<10.0	<20.0	34.9	28.6
	EI-SW-2 1		03-Apr-06	Excavated	129.0		<0.0250	<i>€</i> ≤0 0250	0.141	10 523 J	0.664	1,110	11,630	12,700	321	36.3
Excavation 1	E1-SW-2A (2')	2	30-May-06	In Situ			<0.0250	<0 0250	<0 0250	<0 050	<0.125	<10.0	<10.0	<20.0	180	32
	EI-SW-3 1'	1	03-Apr-06	In Situ	40.8		<0 0250	<0 0250	<0 0250	<0 050	<0.125	<10.0	<10.0	<20.0	19.5	18.4
	E1-SW-4 I'	1	03-Apr-06	In Situ	42 0		<0 0250	< 0.0250	<0 0250	< 0.050	<0 125	<10.0	<10.0	<20 0	615	33 7
	E2-BH-1 2	2	03-Apr-06	In Situ	36 8		<0 0250	< 0.0250	<0 0250	<0 050	<0 125	<10.0	<10.0	<20 0	249	273
	E2-SW-11	1	03-Apr-06	In Situ	33 2		<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10.0	<10.0	<20 0	79 7	34 0
Excavation 2	E2-SW-2 1	1	03-Apr-06	In Situ	33.1		<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10.0	86 7	86 7	686	42 1
	E2-SW-3 1'	1	03-Apr-06	In Situ	33.8		<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10 0	<10.0	<20 0	12 7	14 5
	E2-SW-4 1	1	03-Apr-06	In Situ	43 8		<0 0250	< 0.0250	< 0.0250	<0 050	<0 125	9 42 ^A	765	765	225	29 5
	E3-BH-1 2	2	_03-Apr-06	Excavated	> 33.4		<0 0250	<0 0250	< 0.0250	<0.050	<0.125	<10.0	<10.0.	<20.0	6,280	22.3
1	E3-BH-1 A (8')	8	19-May-06	In Sttu											950	
	E3-BH-2 2	2	03-Apr-06	In Situ	32.2		<0 0250	<0 0250	<0 0250	<0 050	<0.125	<10.0	<10.0	<20.0	117	28 0
Excavation 3	E3-SW-1_1'	1	03-Apr-06	In Situ	33 5		<0 0250	<0 0250	<0 0250	< 0.050	<0 125	<10.0	<10 0	<20.0	136	25 9
	E3-SW-21	<u>1</u>	03-Apr-06	_ Excavated			<0.0250	<0 0250	<0.0250	<0.050	<0.125	<10.0 _	<10.0	<20.0 <u>*</u>	1.250	61.5
}	E3-SW-2A (4')	4	19-May-06	In Situ	33 3										14	
	E3-SW-3 1		03-Apr-06	In Situ	<u>38 2</u> 36 0		<0 0250	<0 0250	<0 0250	<0 050	<0 125	<10.0	<10.0	<20 0	395	52 9
	E3-SW-4 1' 1 03-Apr-06 In Sttu						<0 0250	<0 0250	<0 0250	<0 050	<0 125	<100	<10.0	<20 0	27 3	17.6
	NMOCD Rem				100		10				50			5,000	250 ^B	600 ^B

Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards

-- = Not Analyzed

^A Detected below laboratory method detection limits, therefore an estimate

^B Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm and 600 ppm, respectively

ATTACHMENTS

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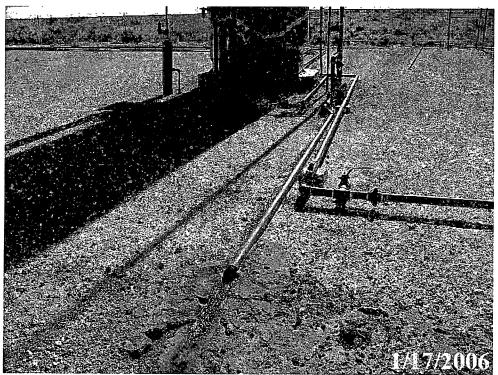
ATTACHMENT I

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SITE PHOTOGRAPHS



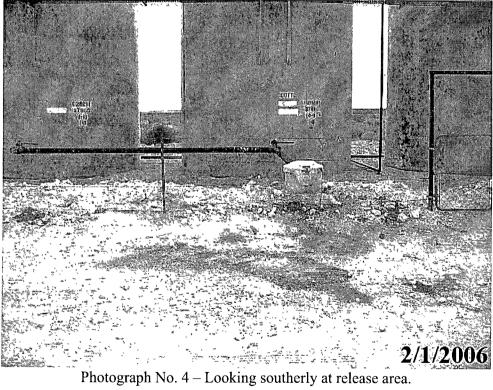
Photograph No. 1 – Lease Sign.

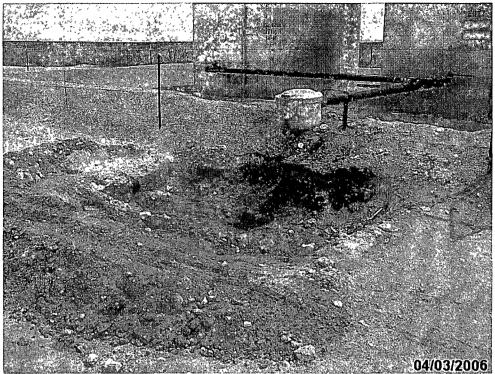


Photograph No. 2 – Looking southwesterly at release area.

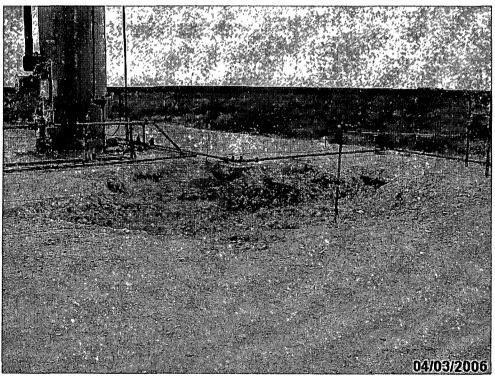


Photograph No. 3 – Looking northerly at release area.

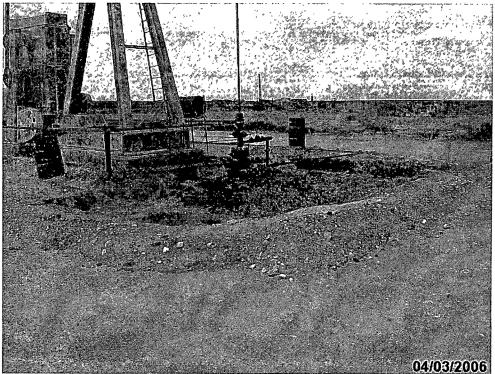




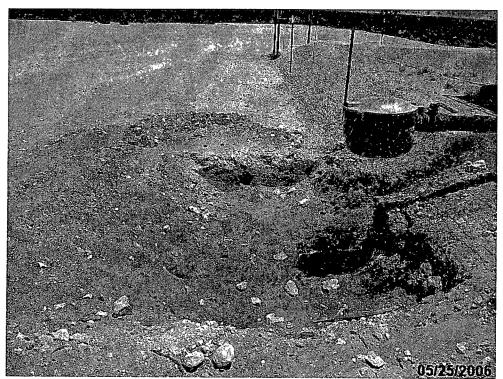
Photograph No. 5 – Looking southerly across excavation area one (1).



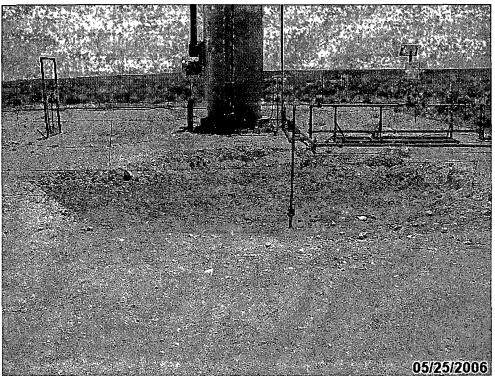
Photograph No. 6 – Looking southwesterly across excavation area two (2).



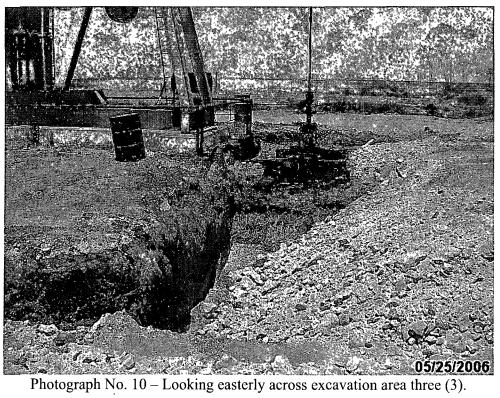
Photograph No. 7 – Looking northerly across excavation area three (3).

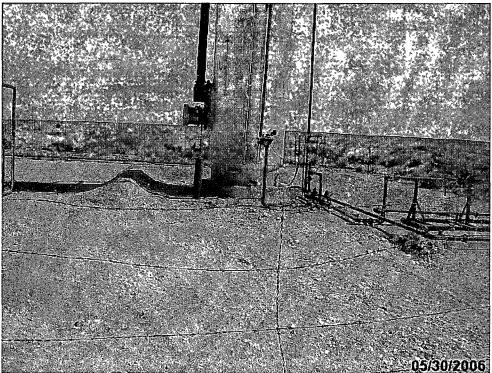


Photograph No. 8 – Looking southeasterly across excavation area one (1).

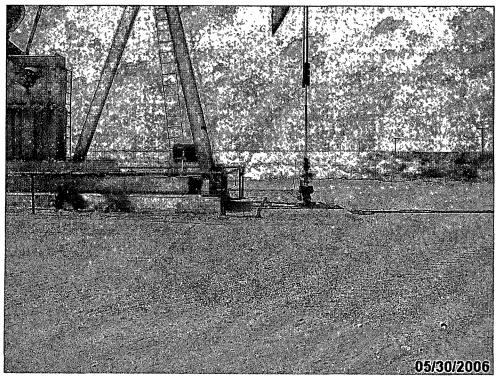


Photograph No. 9 – Looking southerly across excavation area two (2).

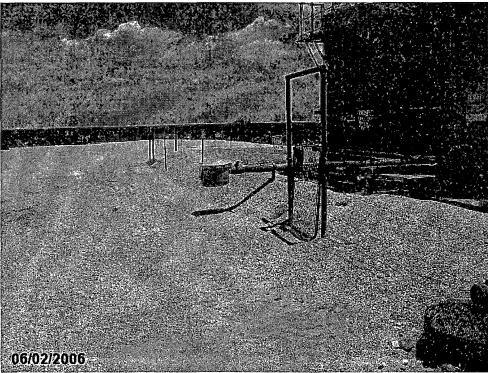




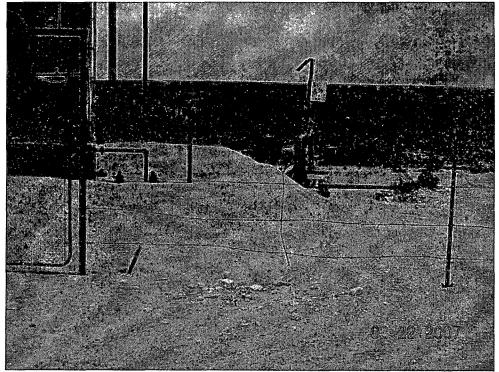
Photograph No. 11 – Backfilled excavation area two (2).



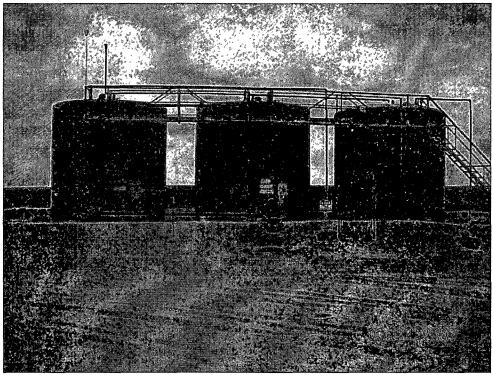
Photograph No. 12 – Backfilled excavation area three (3).



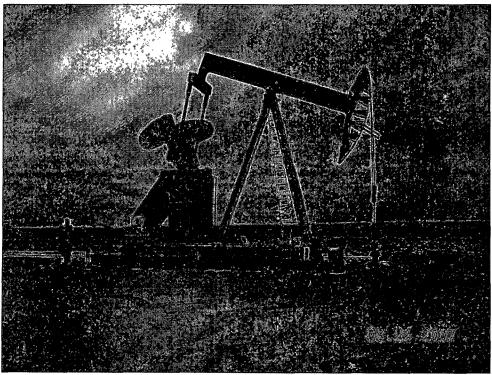
Photograph No. 13 – Backfilled excavation area one (1).



Photograph No. 14 - Remediated site looking southerly over reconstructed berm.



Photograph No. 15 – Remediated site looking southerly toward tank battery over reconstructed berm.



Photograph No. 16 – Looking easterly over remediated area around well head.

ATTACHMENT II

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

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ANALYTICAL DATA INCLUDED ON ATTATCHED CD

ATTACHMENT III

SOIL BORING LOGS

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					L	og [lf Tes	t Borings (NOTE - Page 1 of 1)
							Projec ⁻	t Number: 160050
		Еnv		INTAL F		IC.	Project	t Name: Chesapeake – Pronghorn State #1
		RI	EMEDIAL	CONSTRU	ICTION	Γ	ocatio	n: UL-G, Section 34, Township 23 South, Range 34 Eas
, "Rļ	Į.		505-3	394-3481	100	1	Boring	Number: SB-1 Surface Elevation: 3,458-feet ame
	و م	ery	a r	sbc	g) Sis G	50	€⊋	Start Date: 2-1-06 Time: 1620 hrs
Time	Sample Type	Recovery (inches)	Molsture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Completion Date: <u>2-1-06</u> Time: <u>1715 hrs</u>
	~	<u>₩</u> ⇒	Σ	Å –	Ç\$ 20			Description
							-	_
1630			-	.6	160		-	2' SAND, Brown/Red - silty
			_			· · · ·	5	
1640		<u> </u>	_	.4	160		+	5' SAND, Red - silty
							-	-
							<u> </u>	-
1650				.2	400			10' CALICHE, Tan
							<u> </u>	_
								_
							-	-
1700				.2	240			15' CALICHE, Tan
								_
							-	_
								-
1710				.5	160		20	20' CALICHE, Whitish
		1						End of Soil Boring at 21' bgs
								_
							25	5
							-	-
								-
							-	_
	Wate			surement				
Date	Tim		Sample Depth	Casing Depth	Cave-ir Depth			Drilling Method: Auger
-	-							Backfill Method: Bentonite
-		·	-		-		- F	ield Representative: GB

					L	og 🛛	lf Test	t Borings (NOTE - Page 1 of 1)
.11.							Project	t Number: 160050
		Envi		NTAL F	LUS, IN	IC.	Project	t Name: Chesapeake – Pronghorn State #1
	F	REN F	1 EDIAL	CONSTRU	ICTION	L	ocatior	UL-G, Section 34, Township 23 South, Range 34 East
			505-3	94-3481		E	Boring N	Number: SB-2 Surface Elevation: 3,458-feet ams
- u 1ª	Type	Recovery (inches)	Maisture	PIJ Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Start Date: <u>2-2-06</u> Completion Date: <u>2-2-06</u> Description
1010				7.2	400			2' SAND/Clay, Red
1015				3.6	320		5	5 5' SAND/Clay, Red
1025				1.5	160		10	D 10' CALICHE/Sand, Tanish
1035				1.4	160			5 15' CALICHE/Sand, Tanish
								End of Soil Boring at 16' bgs
	l						20	
							25	
							\vdash	
	Water			surement	s (feet))		
Date	Time		ample lepth	Casing Depth	Cave-in Depth	n Wa		Drilling Method: Auger
-	-		-				Bo	Backfill Method: Bentonite
			-				- Fie	ield Representative: GB

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i.							Proje	ct	Numberi	160050		•	
		Envi		NTAL F	'LUS, In	۱ C.	Proje	ct	Name: Cl	nesapeake	- Pron	nghorn State #1	
	Y	REM	EDIAL	CONSTRU	ICTION		Locat	ion	UL-G	, Section 3	34, Towns	hip 23 South, Range	34 East
			505-3	94-3481			Boring) Nu	umberi	SB-3	Surfa	ce Elevation: 3,458-fe	eet amsl
	le e	Recovery (inches)	aur) Soc	ide sis (g)	s jo	문문	;		Start Dat			
Time	Sample Type		Maisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Svmbol	Depth			Completion		2-10-06 Time: <u>181</u>	5 hrs
		<u> 75</u>	Σ	e e	VA∧					Des	cription		
							-						
1725				.4	400			ſ			2' SANDA	/Clay, Red	
1720				.3	640			-5	$\overline{}$	F			
1728				,3	040				\sim	5'	SAND, RE	eddlsh/Brown	
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<u>17</u> 43				.3	320					·····	10' CALI	ICHE/Sand	
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1755								15	_				_
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1810		<u> </u>		.4	160							ICHE/Sand	
							-			End a	of Soll Bo	oring at 21' bgs	—
													—
								25					
													—
							 						—
								30					
	Wate	r Leve	l Mens	urement	s (feet	;)			·,				
Date	Tim	e Sa	mple pth	Casing Depth	Cave-li Depth	n V	ater .evel		lling Meth				
	-		- -	<u>–</u>	-		- -	Baa	:kfill Met	hodı Ber	ntonite		
			-	· _	-		-	Fie	ld Repres	sentative	GB		

ATTACHMENT VI

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INFORMATION AND METRICS FORM INITIAL NMOCD FORM C-141 FINAL NMOCD FORM C-141

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A	Incident Date:	NMOCD No	tified:
	Historical		
Chesapeake			
Information and Metrics			
Site: Pronghorn State #1	Assigned	Site Reference : EP	I Reference #160050
Company: Chesapeake Energy			
Street Address: 1616 West Bender			
Mailing Address: P.O. Box 190		······································	
City, State, Zip: Hobbs, New Mexico	0 88240		
Representative: Bradley Blevins			
	1-1462 ext. 6224		
Telephone:			
Fluid volume released (bbls): >5 bbls	Re	covered (bbls): 0 b	bls
	OCD verbally within 24 hrs	· · · · · · · · · · · · · · · · · · ·	
	pplies to unauthorized releas		
5-25 bbls: Submit form C-141 w		unauthorized releas	es of 50-500 mcf Natural Gas)
Leak, Spill, or Pit (LSP) Name: Prong	horn State #1		
Source of contamination:			
Land Owner, i.e., BLM, ST, Fee, Othe			
LSP Dimensions: 10 feet by 10 feet, 10	0 feet by 70 feet, 10 feet by	40 feet	
LSP Area: $\sim 100 \text{ ft}^2$, $\sim 70 \text{ ft}^2$, $\sim 40 \text{ ft}^2$			
Location of Reference Point (RP):			
Location distance and direction from 1	RP:		
Latitude: N 32° 15' 46.45"			
Longitude: W 103° 27' 20.87"			
Elevation above mean sea level: 3,458	feet		
Feet from North Section Line: 1980	······································		
Feet from West Section Line: 1980	· · · · · · · · · · · · · · · · · · ·		
Location- Unit or 1/41/4: SW1/4 of the N	E¼ Unit L	etter: G	······································
Location- Section: 34			· · · · · · · · · · · · · · · · · · ·
Location- Township: T23S			······································
Location- Range: R34E			
			
Surface water body within 1000 ' radi	us of site: zero (0)		
Domestic water wells within 1000' rad			
Agricultural water wells within 1000'			
Public water supply wells within 1000'			
Depth from land surface to groundwat			
Depth of contamination (DC): ~ 6 feet			
	GW): ~469 feet		
Depth to groundwater (DG – DC = Dto 1. Groundwater	1 · · · · · · · · · · · · · · · · · · ·	ection Area	3. Distance to Surface Water Body
Depth to groundwater (DG – DC = Dto 1. Groundwater	2. Wellhead Prot		3. Distance to Surface Water Body <200 horizontal feet: 20 points
Depth to groundwater (DG – DC = Dte	2. Wellhead Prot If <1000' from water sou	rce, or;<200' from	<200 horizontal feet: 20 points
Depth to groundwater (DG – DC = Dto 1. Groundwater If Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water sou If >1000' from water sou	rce, or;<200' from urce: 20 points rce, or; >200' from	
Depth to groundwater (DG – DC = Dto1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water so	rce, or;<200' from urce: 20 points rce, or; >200' from	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points
Depth to groundwater (DG – DC = Dt1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water so If >1000' from water sou private domestic water so	rce, or;<200' from urce: 20 points rce, or; >200' from urce: 0 points	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points
Depth to groundwater (DG – DC = Dt1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water sou If >1000' from water sou	rce, or;<200' from urce: 20 points rce, or; >200' from urce: 0 points reptable Concentra	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points
Depth to groundwater (DG – DC = Dtt1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water sou private domestic water sou private domestic water so ite Ranking Score and Acc 10-	rce, or;<200' from urce: 20 points rce, or; >200' from urce: 0 points reptable Concentra 19	<pre><200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points tions 0-9</pre>
Depth to groundwater (DG – DC = Dt1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water sou private domestic water sou private domestic water so ite Ranking Score and Acc 10- 10 p	rce, or;<200' from urce: 20 points rce, or; >200' from urce: 0 points reptable Concentra 19 pm	<pre><200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points tions 0-9 10 ppm</pre>
Depth to groundwater (DG – DC = Dtt1. GroundwaterIf Depth to GW <50 feet: 20 points	2. Wellhead Prot If <1000' from water sou private domestic water sou private domestic water sou private domestic water so ite Ranking Score and Acc 10-	rce, or;<200' from urce: 20 points rce, or; >200' from urce: 0 points reptable Concentra 19 pm pm	<pre><200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points tions 0-9</pre>

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District I 1625 N. French D District II 1301 W. Grand A				State Energy Miner		New Mexico and Natural R			Form C-141 Revised October 10, 2003				
1301 W. Grand A District III 1000 Río Brazos I District IV						servation Division buth St. Francis Dr. Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back							
1220 S. St. Franci	s Dr., Santa F	Fe, NM 87505		Sant	a Fe, NM 87505 side of form								
	-	R	leleas	e Notificatio	n a	nd Correc	tive Action	1					
				OPERAT		- · · · · · · · · · · · · · · · · · · ·		al Report	Final Repor				
Name of C			ake En	ergy			adley Blevins	the second se	(00)				
Address: H						···· ··· ··· ··· ··· ··· ··· ··· ··· ·	No.: (505) 391		6224				
Facility Na							e: Tank Batte	ery					
Surface O	wner: Ji	m Keller		Mineral C)wn	er:		Lease	No.:				
				LOCATIO	N C	OF RELEAS	SE						
Unit Letter G	Section 34	Township 23S	Range 34E	Feet from the 1,980	Nor	th/South Line N	Feet from the 1,980	East/West L E	ine County Lea				
L		Lati	tude: N	N 32° 15' 46.45	5" L	ongitude: W	7 103° 27' 20 5						
		Lau						<u></u>					
Type of Relea	se: Petrole	um and/or pro	duction f			RELEASE	lease: Unknown	Volume R	ecovered: Unknown				
Source of Rel	ease: Vario	us sources		<i>J2</i> 2		Date and Hou Historical	ir of Occurrence:		Hour of Discovery:				
Was Immedia	ate Notice G		Yes 🗌	No 🛛 Not Requ	ired	If YES, To W	hom?						
By Whom? B Was a Water						Date and Hou	ir: ne Impacting the	Watanaa					
			Yes 🛛 🛛			Not Applicabl		Water Course.					
If a Watercou	ırse was Im	pacted, Desc	ribe Fully	y.* Not Applicable									
Describe Area were advanced I hereby certify and regulation endanger publi operator of lial surface water,	Affected a to collect s y that the in s all operato ic health or bility should human heal	and Cleanup boil samples to formation giv ors are require the environme their operation thor the environme thor the environme	Action Table of delineated en above d to report ent. The a ons have to ronment.	e extent of impacted is true and complete t and/or file certain acceptance of a C-1 failed to adequately	ely 2 l soil. e to th relea 41 rep inves CD acc	10 square-feet of A remediation p he best of my kno se notifications a port by the NMO stigate and remec ceptance of a C-	surface area was proposal will be de owledge and unde and perform correct CD marked as "F fiate contaminatio	eveloped based or rstand that pursu ctive actions for inal Report" doo n that pose a the	e release. Soil borings on soil sample analyses. uant to NMOCD rules releases which may es not relieve the reat to ground water, erator of responsibility				
		11 -	$ \rightarrow $	-		<u>OI</u>	L CONSERV	ATION DI	VISION				
Signature: Signature:	e: Bradley B	levins	24			Approved by Di	strict Supervisor	:					
Title: Field Su						Approval Date:		Expiration	Date:				
E-mail Addre	ss: bblevins	@chkenergy.	com		_	Conditions of A	pproval:		Attached				
Date: 5-3	·-06	Phone: (5	05) 391-1	462 ext. 6224									
* Attach Ad	ditional	Sheets If	Necessa	ary									
Chexipe	-	14717	,	í.									
facility	<u>iy - fl</u>	DACOGE NPACE	29632	841		applicat	ion - pli	406091	033096 Pronghorn State #				
Incide	ente -	n PACE	160 76	32913	П) V U	ſ		Pronghorn State # 16005				

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Chesapeake

District I				State	e of New Mexico	1		Form C-14					
1625 N French D District II					rals and Natural R	-	R	evised October 10, 200					
1301 W Grand A District III	venue, Artes	1a, NM 88210		Oil Co	nservation Divis	ion	Submit 2	Copies to appropriat					
000 Rio Brazos	Road, Aztec,	NM 87410			outh St. Francis		District Office in accordance						
District IV	Du Canta I	- NN4 07505			a Fe, NM 87505		with Rule 116 on back						
220 S St. Franci	is Dr., Santa I		Releas		on and Corre			side of for					
			Neicas		OPERATOR		Initial Repor	t 🛛 Final Rej					
Name of Con	mpany: Cl	hesapeake E	nergy		Contact: Brad	ley Blevins							
Address: P.C	D. Box 190	, Hobbs, NN	M 88240		Telephone No	.: (575) 391-1462	2 ext. 6224						
Facility Nan	ne: Prongh	orn State #1			Facility Type:	Tank Battery							
Surface Own	ner: Jim K	eller		Mineral Ov	vner:		API No.:	30-025-33241					
			·		ON OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Lin						
G	34	238	34E	1,980	N	1,980	E	Lea					
Type of Relea			oduction fl			elease: >5 bbls		overed: 0 bbls					
Source of Rel						ur of Occurrence:		our of Discovery:					
					Historical								
Was Immedia	ite Notice C		Yes 🗌	No 🛛 Not Requ	ired If YES, To W	/hom?							
By Whom?					Date and Hou								
Was a Water	course Rea		Yes 🖾 1	No	If YES, Volu Not Applicabl	If YES, Volume Impacting the Watercourse: Not Applicable							
Depth to wate	er: ~475 ft												
If a Watercou	irse was Im	pacted, Desc	ribe Fully	v.* Not Applicable									
					lease is historical from								
Describe Area	Affected a	and Cleanup	Action Ta	aken.* From Marcl	n 24 through May 24,	2006, approximate	ly 200 yds ³ of 1m	pacted soil were					
					-ft ² at depths ranging 2006 the excavation w								
					h Concrete, Inc. The d								
					e to the best of my kno								
and regulation	s all operato	ors are require	d to repor	t and/or file certain	release notifications a	and perform correc	tive actions for re	leases which may					
endanger publi	ic health or	the environme	ent. The a	cceptance of a C-1	41 report by the NMC	CD marked as "F1	nal Report" does	not relieve the					
operator of hal	buity should	th or the envir	ons have f	alled to adequately In addition NMOC	investigate and remed D acceptance of a C-	diate contamination	t that pose a threa	t to ground water,					
				cal laws and/or reg		i i report does no	cioneve me opera	nor or responsionity					
•	*					OIL CONSERV	ATIONSIVIS	ION ~~					
Si	-	11 5	RN					ohnson					
Signature: (rod	Uf Y	Ser.			istrict Superviso	NVIRONNE						
Printed Name	Bradley B	levins			Approved by D	istrict Supervisol		NIAL ERGAL					
Title: Field Su	pervisor				Approval Date:	2/6/08	Expiration Da	ate:					
E-mail Addre		@chkenergy.	com		Conditions of A	pproval:		Attached 🔲					
Date: Z-3		/		91-1462 ext. 6224	Attached								

* Attach Additional Sheets If Necessary