3	CONFIDENT	'IAL'		122	23 24 20 20 OVED
Form 3160-3 (April 2004)	OCI	D-HOBBS	5	OMB No. 1004	-0137
DEPARTMENT	D STATES OF THE INTERIOR AND MANAGEMENT~		-	5. Lease Serial No. NMLC 071949	31,~2007
APPLICATION FOR PER		REENTER		6. If Indian, Allotee or Th	ribe Name
la. Type of work: 🖌 DRILL	REENTER			7 If Unit or CA Agreemen	t, Name and No.
lb. Type of Well: 🖌 Oil Well Gas Well	Other Singl	e Zone Multip	e Zone	8. Lease Name and Well I KELLER 27 FEDE	v ·
2 Name of Operator CHESAPEAKE OPERAT	ING, INC. ATTN: LIN	DA GOOD	14/	9. API Well No. 30.025.	37906
3a. Address P.O. BOX 18496, OKLAHOMA CI 73154-0496	TY, OK         3b. Phone No. (i           405-767-			10. Field and Pool, or Explo	
4. Location of Well (Report location clearly and in acc At surface 1967 FSL 2055 FWL, I		x.*)	/	11. Sec., T. R. M. or Blk. an	
At proposed prod. zone SAME		nitk		27-23S-34E	12 04 4
14. Distance in miles and direction from nearest town or APPROX. 20 MILES NW OF JAL, NM.	post office*			12. County or Parish LEA	13. State NM
<ol> <li>Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)</li> </ol>	16. No. of acro 320	s in lease	17. Spacing 40	g Unit dedicated to this well	
<ul> <li>18. Distance from proposed location* to nearest well, drilling, completed,</li> </ul>	19. Proposed D	epth	20. BLM/E	BIA Bond No. on file	
to nearest well, drilling, completed, applied for, on this lease, ft.	8800		NM26	34	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3440 GR 3452 KB	22. Approxima	te date work will star	t*	23. Estimated duration	
	24. Attach	ments Ge	IDREN (	inited as when the	Desita
The following, completed in accordance with the requirem	nents of Onshore Oil and Gas Oi	der No.1, shall be a	tached to thi	s förm:	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> </ol>		Item 20 above).		ns unless covered by an exis	ting bond on file (se
3. A Surface Use Plan (if the location is on National SUPO shall be filed with the appropriate Forest Servi	Forest System Lands, the ice Office).	<ol> <li>Operator certific</li> <li>Such other site authorized offic</li> </ol>	specific info	ormation and/or plans as may	be required by the
25. Signature	7	Printed/Typed) ENRY HOOD		Date	3/1/26
Title SR. VICE PRESIDENT - LAND &	LEGAL			ł,	
Approved by (Signature) /s/ Tony J. Hel	rrell Name (	Printed Specton	y J. H	errell	e MAY 1
Title FIELD MANAGER	Office	CARLS	BAD	FIELD OFF	ICE
Application approval does not warrant or certify that the conduct operations thereon. Conditions of approval, if any, are attached.	e applicant holds legal or equita	ole title to those righ		ject lease which would entitle PPROVAL F	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12 States any false, fictitious or fraudulent statements or rep			villfully to n	nake to any department or ag	ency of the United
*(Instructions on page 2)		1/			

Witness Surface Casing

-1.

Approval subject to General requirements an Special stipulations Attached Chesapeake Operating Inc. Keller 27 Federal 2 1967 FSL 2055 FWL NESW of Section 27-23S-34E Lea County, NM

#24 Attachment to Application for Permit to Drill or Re-enter

Chesapeake Operating, Inc. respectfully requests permission to drill a well to 8800' to test the Bone Spring formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and New Mexico Oil Conservation Division requirements.

Please find the Surface Use Plan and Drilling Plan as required by Onshore Order No. 1. A general rig plat is attached as Exhibit D. A final rig plat will be submitted prior to spud. Exhibit E Archeological Survey to follow.

Chesapeake Operating, Inc. has an agreement with the grazing lessee.

Please be advised that Chesapeake Operating, Inc. is considered to be the Operator of the above mentioned well. Chesapeake Operating, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.



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DISTRICT I					:	State of New	v Mexico	روم • مواد	1223242536	
1625 N. FRENCH DR., 1	Hobbs, NM 882	240		En	ergy, h	finerals and Natural B	lesources Department			õitu C~105
DISTRICT II 1301 W. GRAND AVENUE	I, ARTRSIA, NM	88210	OIL				ON DIVIS FRANCIS DR.	ION Submi	t to Appropriate D State Lease	4 Copies
DISTRICT III 1000 Rio Brazos R	d., Aztec, NI	¥ 87410					exico 87505		Fee Lease	<b>3 Copies</b>
DISTRICT IV 1220 S. ST. PRANCES D		NH 87505				AND ACREA	GE DEDICATI	ON PLAT	🗆 AMENDI	D REPORT
	Number 5-370	ROB						Pool Name	East	
Property C 357			Property Name KELLER 27 FEDE				· · · · ·	Well Num 2	ıber	
OGRID No.		(	Operator Name CHESAPEAKE OPERATING, INC.					Elevation 3475'		
		I <u>.</u>				Surface Loca	ation		- <b>I</b>	
UL or lot No.	Section	Township	Range	Lot I	dn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	23–S	34-E			1967	SOUTH	2055	WEST	LEA
UL or lot No.	Section	Township	Range	Hole Lot		Feet from the	rent From Sur North/South line	face Feet from the	East/West line	County
	s Joint o	r Infill Co	nsolidation	Code	Or	der No.				
	WABLE W	VILL BE A	SSIGNED	TO T	HIS	COMPLETION I	JNTIL ALL INTER	ESTS HAVE BE	EN CONSOLID	ATED
							APPROVED BY			
		6	EODETIC (			FS	<u>.                                    </u>	OPERATO	R CERTIFICAT	TION
		0	NAD 2					herein is true	certify that the ini and complete to th	e best of
	1		Y=464.			l ,		organization ei or unleased mi	and belief, and tha ther owns a working ineral interest in th	e land
			X=770					or has a right	proposed bottom ho. to drill this well a ant to a contract w	t this
		LAT.=32 LONG.=10			2/3614" N 3.459338" W			owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the divide		
	'	<u> </u>		+ -				by the division	. V Q ·	2/11
								Signature	U. Duck	~/15 04
	· .							Kat	hy F. Bli	ck
				1				Printed Nam	e ] 	
				} •				SURVEYO	OR CERTIFICA	TION
		3477.6'	3476.7	,		1		shown on this	certify that the we plat was plotted fr	om field
			500			1		under my supe	l surveys made by crvision, and that th ct to the best of n	he same is
				F						
		3475.9	 						UARY 1, 200	
		,						Date Surveye Signature &	Seal of	JR
	ł		67'		•			Professional	'Surveyor	
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						l			GARX BUSON	12641
L		L						[		

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EXHIBIT\_<u>A-1</u>



EXHIBIT A-2

VICINITY MAP



i sin ₽ SCALE: 1'' = 2 MILES

EXHIBIT A-3

SEC. <u>27</u> TWP. <u>23-S</u> RGE. <u>34-E</u>

· •

SURVEY	N.M.P.M.
COUNTY	LEASTATE_NEW_MEXICO
DESCRIPTIC	N 1967' FSL & 2055' FWL
ELEVATION_	3475'
OPERATOR	CHESAPEAKE OPERATING, INC.
LEASE	KELLER 27 FEDERAL



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## LOCATION VERIFICATION MAP



EXHIBIT A-4



Linda Good Permitting Agent

May 4, 2006

## VIA FASCIMILE (505) 234-5927

Mr. Cody Layton United States Department of the Interior Bureau of Land Management Carlsbad Field Office 620 E. Greene Street Carlsbad, NM 88220-6292

Re: Pit Dimensions

Dear Cody:

Chesapeake Operating, Inc. proposes to use a modified loop system for the wells below. There will be a pit 130' long x 10' wide x 10' deep to be used for cuttings only.

Keller 22 Federal 1 Keller 27 Federal 1, 2 & 3 Lotus C Federal 907 Lotus 10 Federal 6

We propose that the in-ground pit dimensions for the wells below will be 130' long x 15' wide x 10' deep.

Livestock Federal 3-9, Lea County Sun Pearl 28 Federal 7, Lea County

If you have any further questions, please contact me at 405-767-4275.

Sincerely,

CHESAPEAKE OPERATING, INC.

Kinda Soo

Linda Good Federal Regulatory

Chesapeake Energy Corporation 6100 N. Western Ave. • Oklahoma City, OK 73118 • P.O. Box 18496 • Oklahoma City, OK 73154-0496 405.767.4275 • fax 405.879.9583 • lgood@chkenergy.com

122324

## CHESAPEAKE OPERATING, INC. KELLER 27 FEDERAL 2 27-23S-34E LEA COUNTY, NM



From Jal, go West on 128, 15 miles, from the intersection of Co. Rd, E-21 (Delaware Basin Rd) and Antelope Rd.Go South on Antelope Rd. Approx. 3.2 miles to Adobe Rd, turn Left (East) and go Approx. 1.1 Miles to a Caliche Road on the Right. Turn Right (South) and go approx, 0.77 miles. This location is approx. 150' East of Road.

All product will be metered on location.

General sealing of valves and sales by tank gauging. Production phase: all drain valves (D1-D3) and sales valves (L1-L3) sealed closed. Sales phase: the tank from which sales are being made will be isolated by sealing closed the drain, fill, and any equalizer valves during sales. Draining phase: the tank being drained will be isolated by sealing closed the sales, fill, equalizer valves and drain valves on the other tanks.

KELLER 27 FEDERAL #2 610218

This lease is subject to Chesapeake's Site Security Plan located at 6100 N. Western Oklahoma City, OK 73116

Approved by: Date:





Prepared by: DEBBIE HERNANDEZ Date: 02-23-2006

Approved by: Date:



## Chesapeake Keller Gas Flow Lines



Cody the Keller 33 St. #2 production line will go over to the Keller 34 St. #1. All other wells Will have their OWN seperate batteries. Chesapeake will measure the gas at each battery and deliver the gas to Sid Richardson/Southern Union at location marked above.



EXHIBIT <u>B</u>

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05/31/2006 09:56 FAX 432 687 4112	CHK MIDLAND	☑ 008∕0
District II I 301 W. Grand Avenue, Artesia, NM 88210 Energy Mi	tate of New Mexico inerals and Natural Resources	Form C-14 June 1, 20
1000 Rio Brazos Road Aztec, NM 87410	ConservationDivision Fo	r drilling and production facilities, submit t propriate NMOCD District Office. downstream facilities, submit to Santa Fe
DistrictIV 1220	) South St. Francis Dr. Fo anta Fe, NM 87505	r downstream facilities, submit to Santa Fe fice
	ade Tank Registration or Clo	osure
Is pit or below-grade tan	k covered by a "general plan"? Yes r below-grade tank Closure of a pit or belo	No 🗌
Operator: Chesapeake Operating Inc. Telephon	ne: (432)687-2992 e-mail address; bcoffm	an@chkenergy.com
Address: P. O. Box 11050 Midland, TX 79702-8050 Facility or well name: Keller 27 Federal #2	~ <u>27006</u>	
Facility or well name: Keller 27 Federal #2	U/lor Qtr/Qtr_K Sec 27	<u>T 23S R 34E</u>
County: Lea Latitude 32.273614 N Longitude 103		
<u>Pit</u>	Below-gradetank	. <u> </u>
Type: Drilling 🛛 Production 🗋 Disposal 🗌	Volume:bbl Type of fluid:	
Workover 🔲 Emergency 🗋	Construction material:	
Lined 🛛 Unlined 🗌 Liner type: Synthetic 🖾 Thickness <u>12</u> mil Clay 🗍	Double-walled, with leak detection? Yes	If not, explain why not.
Pit Volume 12129 bbl		·
Depth to ground water (vertical distance from bottom of pit to seasonal high	Less than 50 feet	(20 points)
water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)
- *	100 feet or more	( 0 points)
Weilhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)
water source, or less than 1000 feet from all other water sources.)	No	( 0 points)
	Less than 200 feet	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points) /O
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	( 0 points)
	Ranking Score (Total Points)	10
		Indicate disposal location: (check the onsite box if
If this is a pit closure: (1) attacha diagram of the facility showing the pit's	relationship to other equipment and tanks. (2)	Indicate disposal location: (check the onsite box if
If this is a pit closure: (1) attach a diagram of the facility showing the pit's your are burying in place) onsite offsite If offsite, name of facility	relationship to other equipment and tanks. (2)	Indicate disposal location: (check the onsite box if neral description of remedial action taken including
If this is a pit closure: (1) attacha diagram of the facility showing the pit's your are burying in place) onsite offsite If offsite, name of facility remediationstart date and end date. (4) Groundwater encountered; No 1	relationship to other equipment and tanks. (2) (3) Attach a ger Yes I If yes, show depth below ground surface	Indicate disposal location: (check the onsite box if neral description of remedial action taken including
If this is a pit closure: (1) attach a diagram of the facility showing the pit's your are burying in place) onsite offsite If offsite, name of facility remediationstart date and end date (4) Groundwater encountered: No Y Attach soil sample results and a diagram of sample locations and excavation	relationship to other equipment and tanks. (2) (3) Attach a ger Yes I If yes, show depth below ground surface	Indicate disposal location: (check the onsite box if neral description of remedial action taken including
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Page 1 of 1

Mull, Donr	na, EMNRD	
From:	Phillips, Dorothy, EMNRD	Sent: Mon 6/5/2006 9:18 AM
То:	Muil, Donna, EMNRD	
Cc:		
Subject:	RE: Financial Assurance Requirement	
Attachmen	ts:	

All have blankets and one appear on Jane's list.

From: Mull, Donna, EMNRD
Sent: Monday, June 05, 2006 8:06 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Pogo Producing Co (17891) Devon Energy Production Co LP (6137) Pride Energy Co (151323) BTA Oil Producers (3002) Chesapeake Operating Inc (147179) B C Operating Inc (160825)

I have check the inactive well list for each of these operators.

Please let me know. Thanks and have a nice day. Donna

https://webmail.state.nm.us/exchange/dmull/Inbox/RE:%20Financial%20Assurance%20Requirement.EML... 6/5/2006