District I

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Ave., 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

Permit 8083

Form C-101

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

# APPLICATION FOR PERMIT TO DRILL

	CHESAPEAKE OP	Operator Name and Address ERATING, INC.	0GRID Number 147179
	PO Box 11050 Midland, TX 7970	2-8050	API Number 30-025-37130
-	Property Code	Property Name	Well Ho.
	34682	CHAVLEA 19 STATE	001

#### Surface Location

	UL or Lot	Section	Township	Range	Lot Idn	Feet Fram	N/S Line	Feet From	E/W Line	Country	-
1	M	19	12S	32E	4	660	S	660	W	Lea	

#### Proposed Pools

#### CAPROCK; MORROW, WEST (GAS) 73780

	Waak Type New Well	Well Type GAS	Cable/Rotmy	Lesse Type State	Ground Level Elevation 4399
:	Markiple N	Proposed Depth 11300	Farnation Mississippi Limestone	Constructor	Spud Date 04/01/2005

# Proposed Casing and Cement Program

Туре	Hale Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	360	400	0
Intl	11	8.625	32	3600	780	0
Prod	7.875	5.5	17	11300	1025	3000

# Casing/Cement Program: Additional Comments

Surf Csg: 13 3/8 Cmtd w/190 sx 35:65 Poz C1 C + 2% CaC12 + additives, Tail in w/210 sx C1. C + 2% CaC12, circ, to surface. 11 csg. cmtd w/ 650 sx 50;50 Poz: C1 C + additives, Tail in w/110 sx C1 C + CaCl2 Circ. to surface. 5 1/2 csg. cmtd w/130 sx 50:50 Poz C1H + additives, 1st Stage Tail: 335 sx 50;50 Poz C1H + additives; 2nd stage 510 sx 50;50 Poz C1H + additives, Tail w/50 sx 50:50 Poz Cl H + additives.

#### Proposed Blowout Prevention Program

	Туре	Working Pressure	Test Pressure	Mamifacturer
	Annular	5000	5000	
:	Double Ram	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 03/10/2005 Phone: 432-685-4310

OIL	CONSE	RVAT	ION DI	/ISION
 ***********			***************************************	

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/11/2005 Expiration Date: 03/11/2006

Conditions of Approval:

There are conditions. See Attached.



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Crund Ave., Artesia, NM 88210
District III
1000 Rio Branos Rd., Azzec, NM 87410
District IV
1220 S. St. Frencis Dr., Senta Fe, NM

87505

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 Form C-102 Permit 8083

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37130	Pool Name CAPROCK;MORROW, WEST (GAS)	Pool Code 73780	
Property Code 34682	Property Nema CHAVLEA 19 STATE	Well No.	
0GRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 4399	

# Surface And Bottom Hole Location

UL or Lot.	Section	Township	Range	Lot Idn	Feet Fram	N/S Line	Feet From	E/W Line	Country
M	19	12S	32E	4	660	S		W	Lea
	ed Acres 2.14	Joint an	Infill	Cansolia	dation Code		Ordes	No.	

×		

#### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 03/10/2005

# SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: Gary L. Jones Date of Survey: 01/06/2005 Certificate Number: 7977

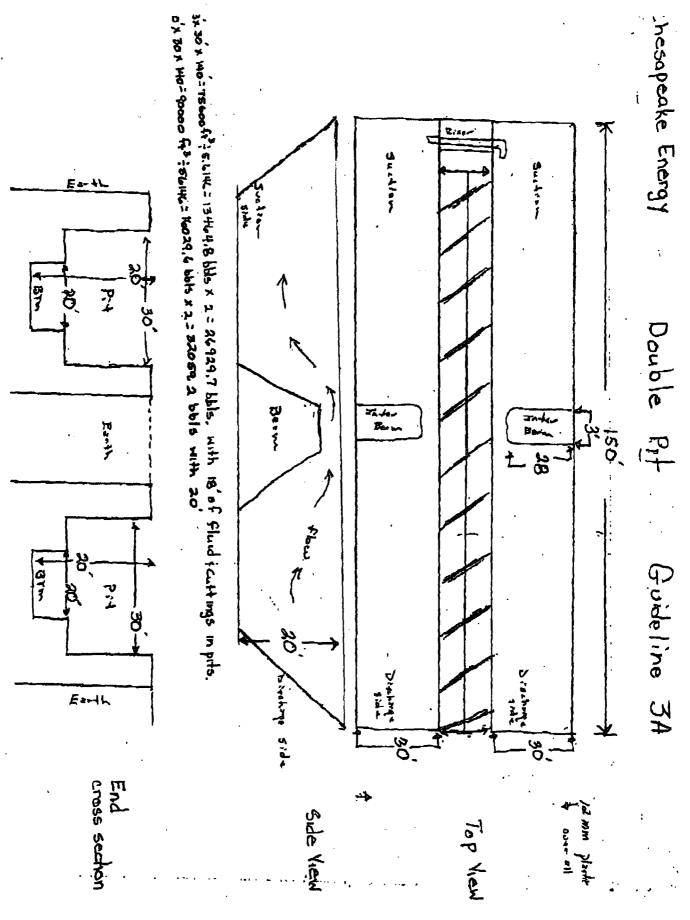
# Permit Conditions Of Approval C-101, Permit 8083

Operator: CHESAPEAKE OPERATING, INC., 147179

Well: CHAVLEA 19 STATE #001

OCD Reviewer	Condition
PKAUTZ	Re-seeding mixture will must be approved or authorized by surface owner
PKAUTZ	Notice is to be given to the OCD prior to construction of the pit(s)
PKAUTZ	Pit construction and closure must satisfy all requirements of O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines

Submit 3 Copies To Appropriate District Office <u>District I</u>	State of New M Energy, Minerals and Nat	ural Resources	Form C-103 May 27, 2004 //ELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Arcala, NM 88210	OIL CONSERVATION	N DIVISION	30-02 5-37130 Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aracc, NM 87410	1220 South St. Fra Santa Fe, NM 8	incis Dr.	STATE X FEE  State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	·		
(DO NOT USE THIS FORM FOR PROPO	ICES AND REPORTS ON WELL SALS TO DRILL OR TO DEEPEN OR PI ICATION FOR PERMIT" (FORM C-101) I	LUG BACK TO A POR SUCH	Lease Name or Unit Agreement Name Chavlea 19 State
1. Type of Well: Oll Well	Gas Well X Other		. Well Number 001
2. Name of Operator Chesapeake	Operating, Inc.	9	OGRID Number 147179
3. Address of Operator P. O. Bo. Midland,	x 11050 TX 79702-8050	J -	0. Pool name or Wildcat Undesignated;Mississippian
4. Well Location	SSO S S S S S S	y	Constant West
Unit Letter M :	660 feet from the South  Township 12S F	line and 660  Range 32E	feet from the West line IMPM County Chaves
	11. Elevation (Show whether Di 4399 GR	·p·	
Pit or Below grade Tank Application Di Pit type Drilling Depth to Grounds	or Closure	water well 1000 Distance	e from nearest surface water 1000
Pit Liner Thickness: 12 mil	· <del>-</del>		ruction Material
12. Check	Appropriate Box to Indicate 1	Nature of Notice, Re	port or Other Data
)	NTENTION TO:	·	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERING CASING ☐
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLI	<del>-</del>
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT J	DB []
OTHER:Close Pit	N COLUMN	OTHER:	
of starting any proposed w or recompletion.	ork). SEE RULE 1103. For Multi	pertment details, and gi ple Completions: Attacl	ve pertinent dates, including estimated date a wellbore diagram of proposed completion
Chesapeake plans to close the drill	ing pit for this well according to cu	rrent NMOCD guideline	es Section B3b.
	,		
			$\sim$ $\sim$ $\sim$
			G sa
			7-120
I hereby certify that the information grade tank has been will be constructed or	above is true and complete to the l	pest of my knowledge ar	id boliof. I further certify that any pit or below- n (attached) alternative OCD-approved plan
SIGNATURE DIEMOG	( 'TY)	egulatory Analyst	
Type or print name Brenda Coffma	<del>- 10</del>		DATE 03/10/2005
For State Use Only	<del>- 10</del>	ddress: bcoffman@chfe	A A
9/	<del>- 10</del>	ddress: bcoffman@cbleq	Gray Com Telephone No. (432)687-2992
APPROVED BY: Conditions of Approval (if thy):	<del>- 10</del>	ddress: bcoffman@cbleq	A A



3/11/2005 13:52 FAX 432 6	87 3675 CHESA	PEAKE MIDLAND	<b>∠</b> 001/002
Office Office to whichtiere District	State of Nev	v Mexico	Form C-103
District I	Energy, Minerals and	Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO. 30-025-37/30
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVAT 1220 South St.	_ +	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, N		STATE X FEE 6, State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM	Bullat 1 C, 1 C	07303	6. State Oil & Gas Lease No.
87505	CES AND REPORTS ON W	ETTO	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIA	SALS TO DRILL OR TO DEEPEN	OR PLUG BACK TO A	Chavlea 19 State
PROPOSALS.)  1. Type of Well: Oil Well	Gas Well X Other		8. Well Number 001
2. Name of Operator		<u> </u>	9. OGRID Number
	Operating, Inc.		147179
<ol> <li>Address of Operator P. O. Box Midland,</li> </ol>	11050 TX 79702-8050		10. Pool name or Wildcat Undesignated; Mississippian
4. Well Location			
Unit Letter M :	660 feet from the So	uth line and 66	feet from the West line
Section 19	Township 12S	Range 32E	NMPM County Charges Sea
	11. Elevation (Show wheth 4399 GR	er DR, RKB, RT, GR, etc	
Pit or Below-grade Tank Application X o		. 1000	1000
· -			stance from nearest surface water 1000
Pit Liner Thickness: 12 mll	Below-Grade Tank: Volume		oustruction Material
	Appropriate Box to Indica	ate Nature of Notice,	Report or Other Data
	TENTION TO:		SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON		
TEMPORARILY ABANDON DULL OR ALTER CASING	CHANGE PLANS		ILLING OPNS. PAND A
FOLL ON ALTER CASING	MULTIPLE COMPL [	CASING/CEMEN	IL JOB []
OTHER:Close Pit	<u> </u>	OTHER:	
of starting any proposed we or recompletion.	leted operations. (Clearly sta ork). SEE RULE 1103. For I	te all pertinent details, and Multiple Completions: A	nd give pertinent dates, including estimated dat ttach wellbore diagram of proposed completion
Chesapeake plans to close the drilli	ng pit for this well according	to current NMOCD anid	olinas Castian D2L
	TE bir to, dits well according	to current NMOCD guto	eimes Section 836.
•			
I hereby certify that the information	above is true and complete to	the best of my knowledge	ge and belief. I further certify that any pit or below-
(3,0)	Marie to Maroco Sand	TIMES [A], a general permit [	ge and Deliel. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE COMMON	- 1 <del>0</del>	ERegulatory Analyst	DATE 03/10/2005
Type or print name Brenda Coffman For State Use Only	1 E-11	18il address:bcoffman@c	thkenergy.com Telephone No. (432)687-299
APPROVED BY:	The same of the sa	PETROLEUM EN	IGINEEH:
Conditions of Approval (if any):	TIT	LE TOTAL	DATE 3/11/05

