

District I
1625 N. French Dr, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating Inc. 2010 Rankin Hwy Midland, TX 79701		² OGRID Number 147179
		³ API Number 30 025-34806
⁴ Property Code 25160 300094	⁵ Property Name Dinero State	⁶ Well No 1
⁹ Proposed Pool 1 Vacuum; Wolfcamp, Northwest		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no C	Section 5	Township 17S	Range 34E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1980	East/Westline WEST	County LEA
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no C	Section 5	Township 17S	Range 34E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1980	East/Westline WEST	County LEA
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Additional Well Information

¹¹ Work Type Code E P	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4116 GR
¹⁶ Multiple No	¹⁷ Proposed Depth 13260	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date 11/15/2007
Depth to Groundwater 95		Distance from nearest fresh water well 1000		Distance from nearest surface water 1000
Pit: Liner Synthetic <input type="checkbox"/> milst thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

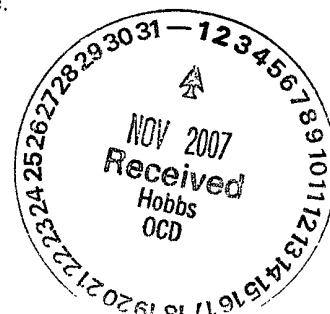
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	391	400 CI C	
11	8 5/8	32	4700	1200 CI C	
7 7/8	5 1/2	17, 20 & 23	13260	540 CI C	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Chesapeake, respectfully, request permission to re-complete this well per the attached procedure.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Shay Stricklin		Approved by: <i>Shay Stricklin</i>	
Title: Regulatory Tech.		Title: OC FIELD REPRESENTATIVE H/STAFF MANAGER	
E-mail Address: sstricklin@chkenegy.com		Approval Date: NOV 19 2007 Expiration Date:	
Date: 10/30/2007	Phone: (432)687-2992	Conditions of Approval Attached <input type="checkbox"/>	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34806		Pool Code 62354		Pool Name Vacuum; Wolfcamp, Northwest	
Property Code 25160		Property Name Dinero State			Well Number 1
OGRID No. 147179		Operator Name Chesapeake Operating Inc.			Elevation 4116 GR

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	17S	34E		660	NORTH	1980	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	17S	34E		660	NORTH	1980	WEST	LEA
Dedicated Acres 220 40		Joint or Infill		Consolidation Code		Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Shay Stricklin</i> Date: 10/30/2007 Printed Name: Shay Stricklin
	18 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. Date of Survey: Signature and Seal of Professional Surveyor: Certificate Number:



**Dinero State 1
Wolfcamp Re-Completion
Lea County, New Mexico**

Procedure

Hold Tailgate Safety meeting prior to beginning work each morning and as required for specific operations

1. Prep location. Check anchors and clean area for workover.
2. MIRU workover rig. ND WH & NU BOP. Unset packer and TOH with tubing.
3. RU wireline unit. RIH and set CIBP at 11,450' and dump 35' cement on top.
4. RIH w/4" casing guns and perforate as follows:

Wolfcamp	10,850' – 10,861'	11'	2 SPF	22 holes
Wolfcamp	10,792' – 10,800'	8'	2 SPF	16 holes
Wolfcamp	10,772' – 10,780'	8'	2 SPF	16 holes
Wolfcamp	10,762' – 10,767'	5'	2 SPF	10 holes
			32'	64 holes

Correlate to CN/LD/GR log from 2/25/2000.

5. TIH w/ packer and work string to 10,715' and set. RU acid service and acidize Wolfcamp perfs 10,762' – 10,861' w/3,500 gals 15% HCl and 70 ball sealers (110%). Surge off balls.
6. Swab well to test productivity. If any further stimulation is needed, then a separate stimulation procedure/design will be sent.
7. Release packer, POOH & LD packer and work string.
8. PU Production string and RIH setting SN at +/- 10,875' (below perfs). ND BOP and NU Wellhead.
9. TIH w/ pump and rods. Fill tubing and space out pump accordingly. Verify pump action. Place well on test.

NOTE: Rod design to follow this procedure.

10. RD workover rig and clean location.



Current Wellbore Schematic

DINERO STATE 1

Field: Vacuum North
County: LEA
State: NEW MEXICO
Elevation: GL 4,116.00 KB 4,134.00
KB Height: 18.00

Location: 660.0 ft FNL & 1,980.0 ft FWL - Section 5 <8176-0141e?>
Abstract: 0 Block: Lot:

Spud Date: 12/30/1999
Initial Compl. Date:
API #: 3002534806
CHK Property #: 890756
1st Prod Date:
PBSD: Original Hole - 13036.0
TD: 13,260.0

