

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
Energy, Minerals and Natural Resources

Form C-140  
Permit 88004  
Revised June 10, 2003

**Oil Conservation Division**

**1220 S. St Francis Dr.**

**Santa Fe, NM 87505**

**(505) 476-3440**

**APPLICATION FOR**  
**WELL WORKOVER PROJECT**

**I. Operator and Well:**

|                                                                                                        |               |                 |              |                      |                        |                      |                            |                |
|--------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|----------------------|------------------------|----------------------|----------------------------|----------------|
| Operator name & address<br>CHESAPEAKE OPERATING, INC.<br>P. O. BOX 18496<br>OKLAHOMA CITY OK 731540496 |               |                 |              |                      | OGRID Number<br>147179 |                      |                            |                |
| Contact Party<br>Trebore Nall                                                                          |               |                 |              |                      | Phone<br>405-935-7529  |                      |                            |                |
| Property Name<br>HENSHAW DEEP UNIT                                                                     |               |                 |              |                      | Well Number<br>005     |                      | API Number<br>30-015-03913 |                |
| UL - Lot<br>A                                                                                          | Section<br>23 | Township<br>16S | Range<br>30E | Feet From The<br>660 | North/South Line<br>N  | Feet From The<br>660 | East/West Line<br>E        | County<br>Eddy |

**II. Workover:**

|                                       |                                                                     |
|---------------------------------------|---------------------------------------------------------------------|
| Date Workover Commenced:<br>2/16/2008 | Previous Producing Pool(s) (Prior to Workover):<br>HENSHAW;WOLFCAMP |
| Date Workover Completed:<br>2/17/2008 |                                                                     |

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

III. Attach a description of the Workover Procedures performed to increase production.

**V. Signature:**

|                                                                                                          |                       |                |                            |                |                        |               |              |
|----------------------------------------------------------------------------------------------------------|-----------------------|----------------|----------------------------|----------------|------------------------|---------------|--------------|
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. |                       |                |                            |                |                        |               |              |
| Signature                                                                                                | Electronically Signed | Title          | Sr. Regulatory Comp. Spec. | Date           | 1/9/2009               |               |              |
| Type or print name                                                                                       |                       | Brenda Coffman |                            | E-mail address | bcoffman@chkenergy.com | Telephone No. | 817-556-5825 |

FOR OIL CONSERVATION DIVISION USE ONLY:

**VI. CERTIFICATION OF APPROVAL:**

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on: 2/17/2008

Signature District Supervisor: Tim Gum District 2 Date 1/12/2009

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 1/12/2009

# CHESAPEAKE OPERATING, INC.

P.O. BOX 18496  
OKLAHOMA CITY, OKLAHOMA  
73154-0496  
405/848-8000  
405/879-9573 FAX

Page 3 of 5

HENSHAW  
DEEP UNIT  
5

E/2 SECTION 23-16S-30E

Northwest Shelf

Well #: 891181

AFE: 401297

EDDY

Footage

Cost WI: 31.583885

NRI: 26.137099

| Date     | Day   | Depth | Cum Cost Present Operation                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02/16/08 | 16707 | 0     | 20200.0000 ACIDIZE & SWAB.                                                                                                                                                                                                                                                                                                                                                                                                         |
|          |       | 9216  | 345100.0000 13 HRS SITP 100# SWBD 10 BW & 2 BO IN 2 HRS F.L. 5100' - 8500' & DRY. RU CUDD ENERGY SERVICE ACIDIZE WOLFCAMP PERFS (8716' - 8801') W/3000 GAL 15% NE/FE HCL IN 3 STAGES + 700# G.R.S. TO DIVERT. 3 - 4 - 5 BPM @ 4900# - 2000# - 4425#. ISDP 1500# 3 MIN. VAC. AVG. RATE 4.5 BPM AVG. PRESSURE 3672# . SWBD 76 BW & 6 BO IN 6 HRS. F.L. 4500' - 5000' & STDY. CWI SDON. TOTAL LOAD TO RECOVER 132 BBL. 56 BBL. L.T.R. |

## ACIDIZE WOLFCAMP

HILBURN 13  
-4

NW/4 SECTION 13-16S-35E

Northern Lea

Well #: 819536

AFE: 0

LEA

Footage

Cost WI: 94.328551

NRI: 76.710942

| Date     | Day  | Depth | Cum Cost Present Operation                |
|----------|------|-------|-------------------------------------------|
| 02/16/08 | 1198 | 0     | 3400.0000                                 |
|          |      | 11500 | 29800.0000 WAITING ON PUMPING UNIT REPAIR |

LANGLEY  
GREER 3H

N/2 SECTION 21-22S-36E

Cbp

Well #: 617712

AFE: 145493

LEA

Footage

Cost WI: 90.835058

NRI: 80.066614

| Date     | Day | Depth | Cum Cost Present Operation                                                                                        |
|----------|-----|-------|-------------------------------------------------------------------------------------------------------------------|
| 02/16/08 | 64  | 0     | 32895.0000 lay down dp                                                                                            |
|          |     | 12190 | 2805717.0000 REAM 11,348' - 11,565', PU PIPE 11,565' - 11,967', REAM 11,967' - 12,190', CIRC SWEEP, LD DP, LD DP. |

|            |           |            |           |
|------------|-----------|------------|-----------|
| Mud Weight | Viscosity | Water Loss | Chlorides |
| 9.55       | 72        | 5          | 3000      |

LOTOS 15  
FEDERAL 1

SE/4 SE/4 SECTION 15-24S-31E

Delaware Basin North

Well #: 615815

AFE: 144561

EDDY

Footage

Cost WI: 97.5

NRI: 85.3125

| Date     | Day | Depth | Cum Cost Present Operation                                        |
|----------|-----|-------|-------------------------------------------------------------------|
| 02/16/08 | 18  | 1072  | 26044.0000 DRLG. @ 6750', 15/20K, 110 RPM, 410 GPM, FULL RETURNS. |
|          |     | 6750  | 831680.0000 DRILL AND SURVEY.                                     |

| Measured Depth<br>(Ft.) | Incl Angle<br>(Deg.) | Drift Direction<br>(Deg.) | TVD<br>(Ft.) | Vertical Section<br>(Ft.) |
|-------------------------|----------------------|---------------------------|--------------|---------------------------|
| 5664                    | 1                    | 0                         |              |                           |
| 5792                    | 1                    | 0                         |              |                           |
| 5887                    | 1                    | 0                         |              |                           |
| 5983                    | 1                    | 0                         |              |                           |
| 6079                    | 1                    | 0                         |              |                           |
| 6173                    | 1                    | 0                         |              |                           |
| 6271                    | 0                    | 0                         |              |                           |
| 6422                    | 1                    | 0                         |              |                           |
| 6613                    | 1                    | 0                         |              |                           |

|            |           |            |           |
|------------|-----------|------------|-----------|
| Mud Weight | Viscosity | Water Loss | Chlorides |
| 8.65       | 29        |            | 18000     |

1/9/2009 12:43:48 PM

THE INFORMATION IN THIS REPORT IS PROPRIETARY, CONFIDENTIAL AND NOT FOR PUBLIC DISSEMINATION.