

OCD-HOBBS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NMNM-109430

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
CHESAPEAKE OPERATING, INC.

ATTN: LINDA GOOD

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
KELLER 22 FEDERAL 1

3a. Address  
P. O. BOX 18496  
OKLAHOMA CITY, OK 73154-0496

3b. Phone No. (include area code)  
405-767-4275

9. API Well No.  
30-025-37903

10. Field and Pool or Exploratory Area  
ANTELOPE RIDGE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

940' FSL 2174' FEL, SECTION 22, T23S, R34E

11. Country or Parish, State  
LEA COUNTY, NEW MEXICO

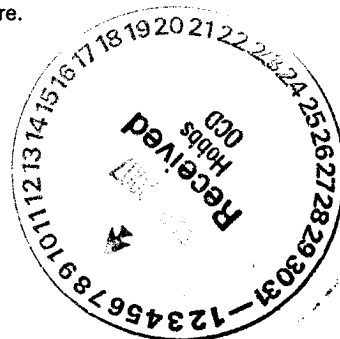
**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Chesapeake, respectfully, request permission to plugged and abandon this well per the attached procedure.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**



(CHK PN 610210)

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)  
LINDA GOOD

Title FEDERAL REGULATORY ANALYST

Signature

*Linda Good*

Date 01/31/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

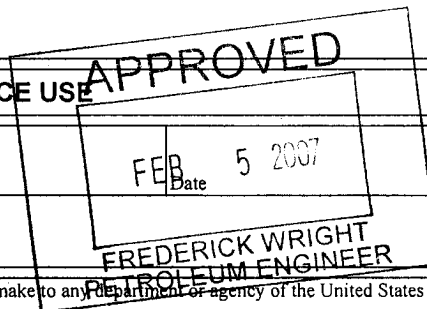
Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GWW



**Keller 22 Federal 1  
Plug and Abandonment Procedure  
Lea County, New Mexico**

---

1. Notify the BLM and/or NMOCD 24 hrs in advance prior to commencing plug and abandonment operations.
2. MIRU Well Service Unit. ND wellhead. NU BOP. POOH with pump laying down rods. POOH with tubing.
3. RIH with bull-plugged ArrowSet packer. Isolate casing leak (~ 6190 – 7030'). POOH with tubing and packer.
4. RU Wireline Service Unit. Set a CIBP @ 8175'. Bail 2 sx of cement on plug. Set a CIBP 50' above casing leak found in Step 3 above. Bail 2 sx of cement on plug.
5. Free-point 5-1/2" casing. Back off at ~ 4,400' (TOC 4,470') and POOH laying down 5-1/2" casing.
6. RIH with open-ended tubing to CIBP set in Step 4 above. Circulate well with salt gel mud containing 9.5 pound brine and 25 lbs of gel per barrel. Lay down tubing when pulling out of hole.
7. Spot a 100' Class "C" Neat cmt plug from 5015-6015' (across 8-5/8" shoe). Shut in for 4 hrs and tag top of cement. Spot additional cement if needed.
8. Spot a 100' Class "C" Neat cmt plug at 5-1/2" casing stub at ~ 4,400'. Shut in for 4 hrs and tag top of cement. Spot additional cement if needed.
9. Spot a 100' Class "C" Neat cmt plug from 528-628'. Shut in for 4 hrs and tag top of cement. Spot additional cement if needed (13-3/8" shoe).
10. Spot 60' Class "C" Neat cmt plug from 63-3'.
11. ND BOP. Cut off 8 - 5/8" and 13-3/8" casings 3' below Ground Level.
12. Weld on an ID plate. RD and release Well Service Unit. Restore location per BLM requirements.

# CURRENT WELLBORE SCHEMATIC

## CHESAPEAKE OPERATING, INC



WELL : KELLER 22 FEDERAL 1  
 FIELD : PALOMA BLANCO PROSPECT  
 COUNTY : LEA STATE : NM  
 LOCATION : 940' FSL & 2,174' FEL, SEC. 22-23S-34E  
 ELEVATION : GL 3,445' KB 3,463'

API #: 30-025-37903  
 SPUD DATE: 7/03/06  
 RIG REL. DATE: 7/22/06  
 FIRST SALES: 8/31/06  
 CHK PROP #: 610210

HOLE SIZE

### WELL HISTORY

#### COMPLETION:

8/16/06: Acid pickle tbg w/ 250 gals 15% inhibited acid, pmp  
 down tbg @ .5 BPM, rev acid out of tbg @ .75 BPM, circ hole  
 w/ 190 bbls 2% KCL containing 1 gal/1,000 non-ionic  
 surfactant and 1 gal/1,000 clay stabilizer.  
 8/17/06: Run CBL, TOC @ 4,470'. Perf Delaware 8,283-88,  
 408-406, 434-437, 482, 482, 484, 468, 470, 472, 474, 525,  
 527, 529, 536, 538, 542, 544, 546, 554, 556', (26 - .37" holes.  
 Spot 300 gals 7.5% HCL w/ 4 GPT Iron control, 1 GPT  
 corrosion inhibitor. Acidz perms w/ 1,700 gals same acid w/ 40  
 1.3" ball sealers, good ball action to ball out @ 5,105#, surge  
 balls, finish flushing to perms, avg PSI 1850#, avg rate 4.9BPM  
 ISIP 850#.  
 8/22/06: Frac Delaware w/ 15,000 gals Medallion 3000 gel  
 pad @ 35 BPM, 2058# 4,000 gals Meddallion 3000 w/ .25 ppg  
 20/40 white sand @ 35 BPM, 2051#, pmp 31,842 gals 30#  
 linear gel w/ 20/40 White sand, ramp 1 ppg - 4 ppg, finish w/  
 3,995 gals 5 ppg Super LC 20/40 @ 35 BPM, 1313#, flush w/  
 180.5 bbls 2% KCL.  
 8/29/06: Run tubing and rod string and turn over to prod.  
 8/31/06: First Sales. 24 hr 0 BO, 144 BW, 7 MCF, FTP 275#,  
 FCP 52#.

13-3/8" 48# H-40 STC Surf Csg. @ 578'  
 Cmt: Lead w/ 200 ax, 35/65 POZ "C" + 6% D20 +  
 5% D44 + 0.25 ppg D29, 12.40 ppg & 2.15 yld.  
 Tail w/ 315 ax, 25/75 POZ "C" + 2% D20 + 2%  
 S1, 14.80 ppg & 1.37 yld.

TOC @ 4,470' (CBL)

8-5/8 32# J-55 LT&C Inter. Csg. @ 5,065'  
 Cmt: Lead w/ 956 ax 50:50 POZ "C" + 10% D-20  
 + 5% D-44 + 0.25 ppg D-29 & 0.2% D-46, 11.90  
 ppg & 2.37 yld.  
 Tail w/ 200 ax 25/75 POZ "C" + 2% D-20 & 2% S-  
 1, 13.80 ppg & 1.54 yld.

Tbg Detail as of 8/29/06:  
 12 jts of 2-7/8" L-80 tbg  
 5-1/2" TAC @ 8,213'  
 266 jts of 2-7/8" L-80 tbg  
 SN

Rod Detail as of 8/29/06:  
 117 7/8" Norris 97 rods  
 210 3/4" Norris 97 rods  
 PS  
 2-1/2" x 1-1/2" x 26" RHBC pmp  
 6" pony sub  
 2" sub  
 1-1/2" x 26" polish rod w/ no liner

Delaware perms @ 8,283-556' OA, (26 total holes)

5-1/2" 17# L-80 LTC Prod. Csg. @ 8,850'  
 Cmt: Lead w/ 165 ax 50:50 POZ-H + 10% D-20 + 5% D-44 + 0.1 % D-112 + 0.2%  
 D-46 & 0.25 ppgs. D-29, 11.80 ppg & 2.53 yld.  
 Tail w/ 675 ax PVL + 0.3% D-112 + 0.35% D-65 + 0.25% B-155 & 0.2% D-46,  
 13.00 ppg & 1.40 yld.

TD @ 8,850'  
 PBTD @ 8,754'

PREPARED BY: Renee Thomas  
 UPDATED BY:

DATE: 7/27/06  
 DATE: AJM

### **SUNDRY NOTICE SPECIAL STIPULATIONS**

1. Approval is granted to plug this well with the following modification:
2. Move the CIBP proposed for 8175' to between 50 and 100 feet above the top of the perfs @ 8283'.
3. The minimum amount of cement on top of a CIBP is 35'; which in 5.5" casing requires approximately 4 sacks of cement.
4. Adjust the plug proposed for 5015-6015' to at least 50 feet below the shoe to approximately 5115' and to 50' above the base of the salt @ 4990'.
5. The plug for the stub of the 5.5" casing stub must be at least 50' below and above the stub.
6. Add a 45 sack plug @ 1400' to satisfy the minimum 3000' between plugs in cased hole and to cover the top of the salt.
7. The plugs @ 8175', 5115', 4400', 1400' and 628' must be tagged.

**\*\*\*All plugs below the surface plug must be at least 100' and 25 sacks of cement plus an additional 10% for each 1000 feet of depth.**

**ALL OF THE WORK AUTHORIZED HERE MUST BE COMPLETED WITHIN  
90 DAYS.**

**Engineering  
can be reached at 505-706-2779 for any variances that might be necessary.**

**F Wright 2/05/07**