

Form 3160-3  
(February 2005)  
Monthly  
FEB 16 2007  
OCD - ARTESIA, NM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA  
S

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-025503

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

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

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

7. If Unit of CA/Agreement, Name and/or No.  
NMNM 88499X

8. Well Name and No.  
BENSON SHUGART WFU 24

9. API Well No.  
30-015-04541

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

330 FSL & 1650 FEL, SWSE, SECTION 25, T18S, R30E

10. Field and Pool or Exploratory Area  
SHUGART

11. Country or Parish, State  
EDDY 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 recompleat 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 recompleat 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 plug and abandon this well per the attached procedure.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

(CHK PN 890942)

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
LINDA GOOD

Title FEDERAL REGULATORY ANALYST

Signature

*Linda Good*

Date 02/13/2007

**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)

APPROVED

FEB 14 2007

*W. W. Ingram*  
WESLEY W. INGRAM  
PETROLEUM ENGINEER

Accepted for record  
NMOC



**Benson Shugart #24  
Plug and Abandonment  
Eddy County, Texas**

February 12, 2007

**Objective:**

Plug to Abandon

**Present Situation:**

SI w/ stuck tubing from 1,850' to 2,483'

**Well Specifications:**

TD: 2,533'      PBD: 2,525'      KB: 3,542'      GL: 3,541'

Surf Csg: 8 5/8" 28# J-55, ST&C @ 866' TOC @ surface  
Cmt: Cmt'd w/ 50 sks, sqz'd w/ 50 sks

Prod Csg: 5 1/2" 14# J-55 @ 2,532' TOC @ 1,700 (est)  
Cmt: 150 sx

**Perfs:**

2,490' to 2,500' w/ 2 spf

**TBG:**

Stuck in hole due to scale from 1,850' to 2,483'

**Contacts:**

**Production Foreman**

Ralph Skinner  
505-391-1462

**Asset Manager**

Randy Herring  
Office: 405-767-4399  
Cell: 405-919-3304

Accepted for record  
NMOCD

**Benson Shugart #24  
Plug and Abandonment  
Eddy County, Texas**

**Procedure**

Hold Tailgate Safety meeting prior to beginning work each morning and whenever specific work requires additional safety awareness

Notify BLM prior to commencing operations

1. Prep location and test anchors.
2. MIRU work over unit. ND Wellhead NU BOP Rack 2500' of 2 7/8" workstring. Set Frac tank, flowback pit, and Reverse Circulation Unit.

**Locate TOC:**

3. RU Wireline unit and run CBL from top of fish (1,850') to 100' above TOC.
4. If TOC is 1,735' or higher proceed to step 5. If TOC is below 1,735': Adjust procedure to obtain a cement plug 50' above base of salt (1,785'). (see wellbore diagram).
5. MU Cement Retainer on WS. TIH and set @ 1,700'. Obtain pump in rate using lease water. Once rate is established pump 150 sks API Class C w/ 2% CaCl through retainer. Sting out of retainer and spot a 50 sk plug on top of retainer. PUH and Circulate WS clean. WOC. TIH, tag and record TOC.
6. POOH displacing wellbore w/ P&A Mud (minimum 9.5 ppg gelled Brine)
7. Perforate sqz holes at 920'. TIH w/ WS to +/- 900'. Close backside and obtain circulation through 8 5/8" - 5 1/2" annulus. Once rate is established, pump 150 sks (est) to surface. PUH spotting cement to 650' (minimum) PUH and circulate WS clean. WOC. TIH, tag and record TOC.
8. PUH displacing w/ P&A mud.
9. Spot a 25 sk (minimum) surface plug.
10. Cut off, cap and mark location per BLM instructions.
11. Clean and restore location.
12. Thank You.

**Accepted for record  
NMOCD**

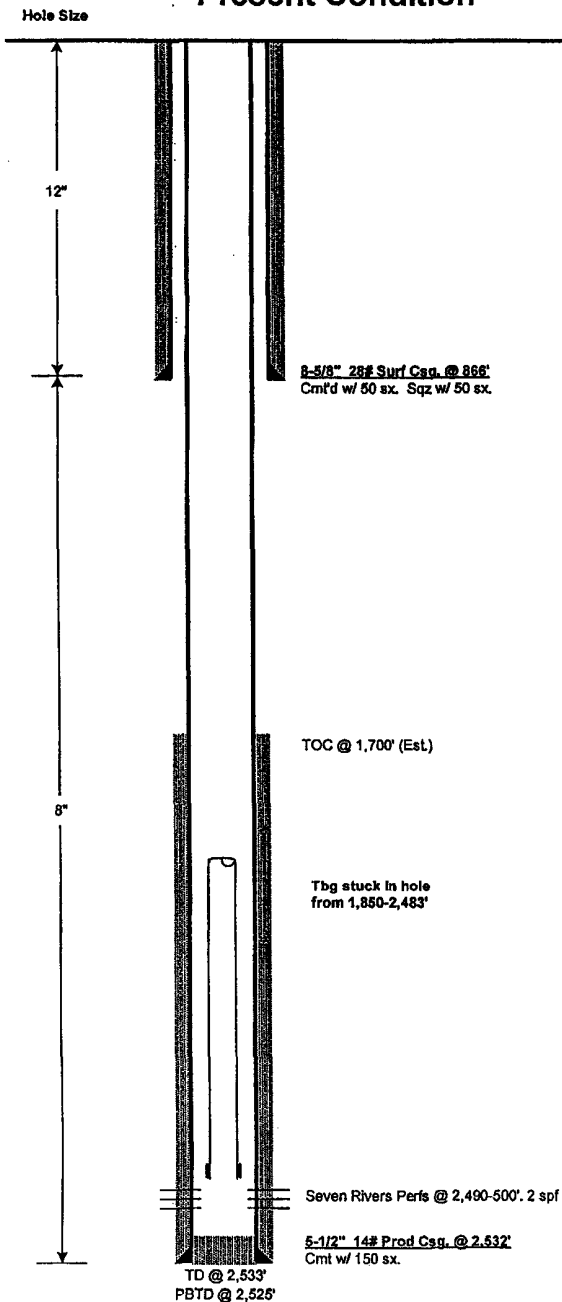
# **CURRENT WELLBORE SCHEMATIC** **CHESAPEAKE OPERATING INC.**

WELL : BENSON SHUGART WFU #24  
 LOCATION : 330' FSL & 1,650' FEL, SEC. 25-T18S-R30E  
 COUNTY : EDDY STATE : NM  
 FIELD : SHUGART (YATES-SEVEN RIVERS-QUEEN-GRAYBURG)  
 ELEVATION : 3,541' GR 3,542' KB



API #: 30-015-04541  
 SPUD DATE: 9/16/61  
 COMPL. DATE: 10/18/61  
 CHK#: 890942

## **Present Condition**



### **Well History:**

10/81: Perf Seven Rivers @ 2,490-500', 2 spf. Frac w/ 34,000 gal of oil w/ 75,000# sand.  
 9/07/84: Hole in tbg.  
 2/24/85: Change pmp.  
 10/03/88: Change pmp.  
 3/14/88: PU new pmp & run rods.  
 5/22/88: Treat well for scale. Re-run tbg & rods.  
 10/1/88: Tbg leak.  
 8/01/88: Pmp change.  
 8/14/88: Pull rods & re-run.  
 10/12/88: Pull rods & re-run rods.  
 11/13/88: Tbg leak, TOH & rec soft paraffin & some seal. Re-run tbg & rods.  
 3/50 - 4/85/89: POH w/prod equip. RH w/3-3/4" OS & grapple. Tagged fish @ 1055, ran free point stuck @ 1880. RH w/ chem cutter, cut tbg @ 1,850. POOH w/rop portion of tbg. Left piece of 2-3/8" tbg in hole from 1,850-2,483'. Tbg stuck in hole w/ scale. Well is TA.

**Accepted for record**  
**NMOCD**

PREPARED BY: Renee Thomas  
 UPDATED BY: Renee Thomas

DATE: 5/13/05 AJM  
 DATE: 5/20/05

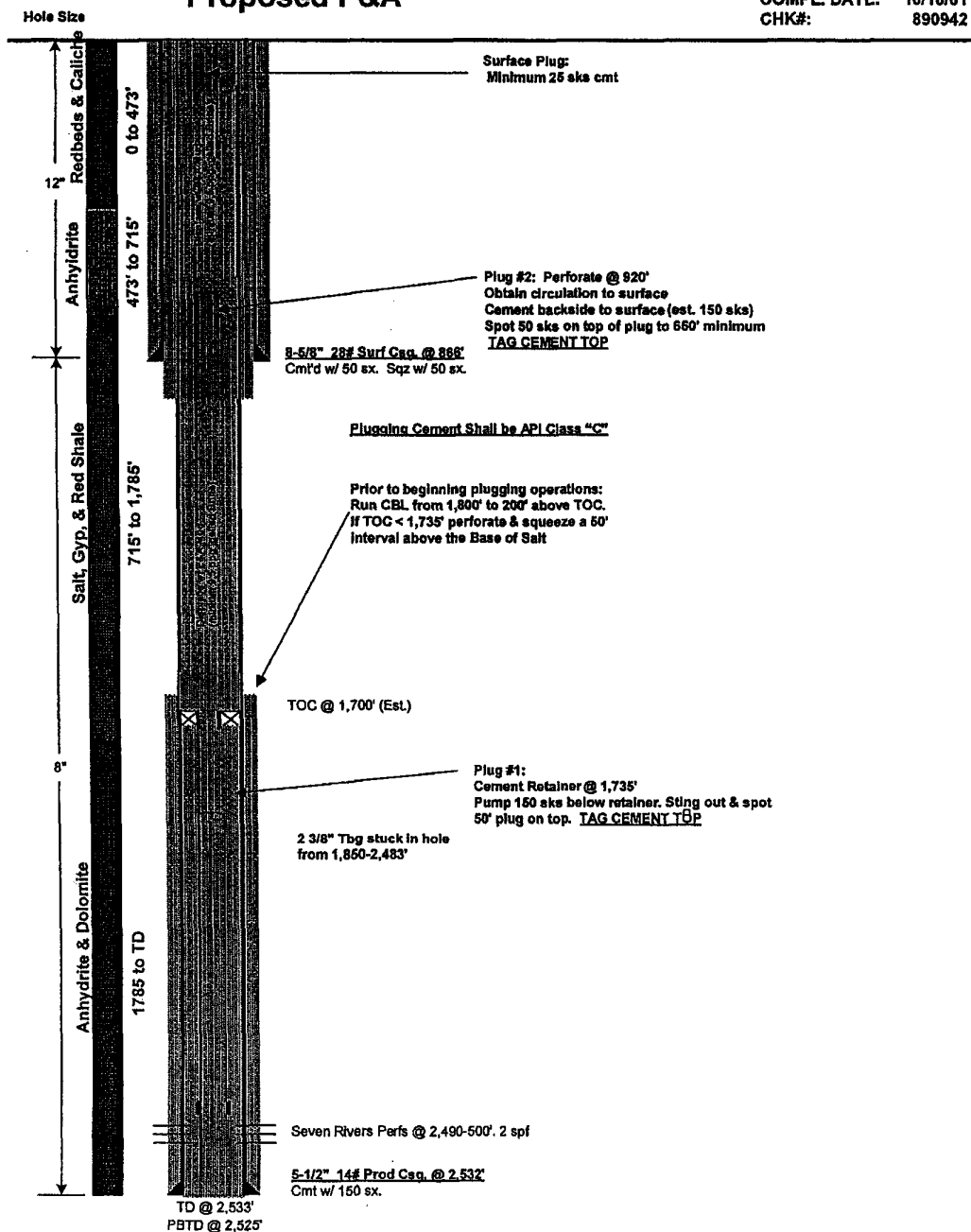
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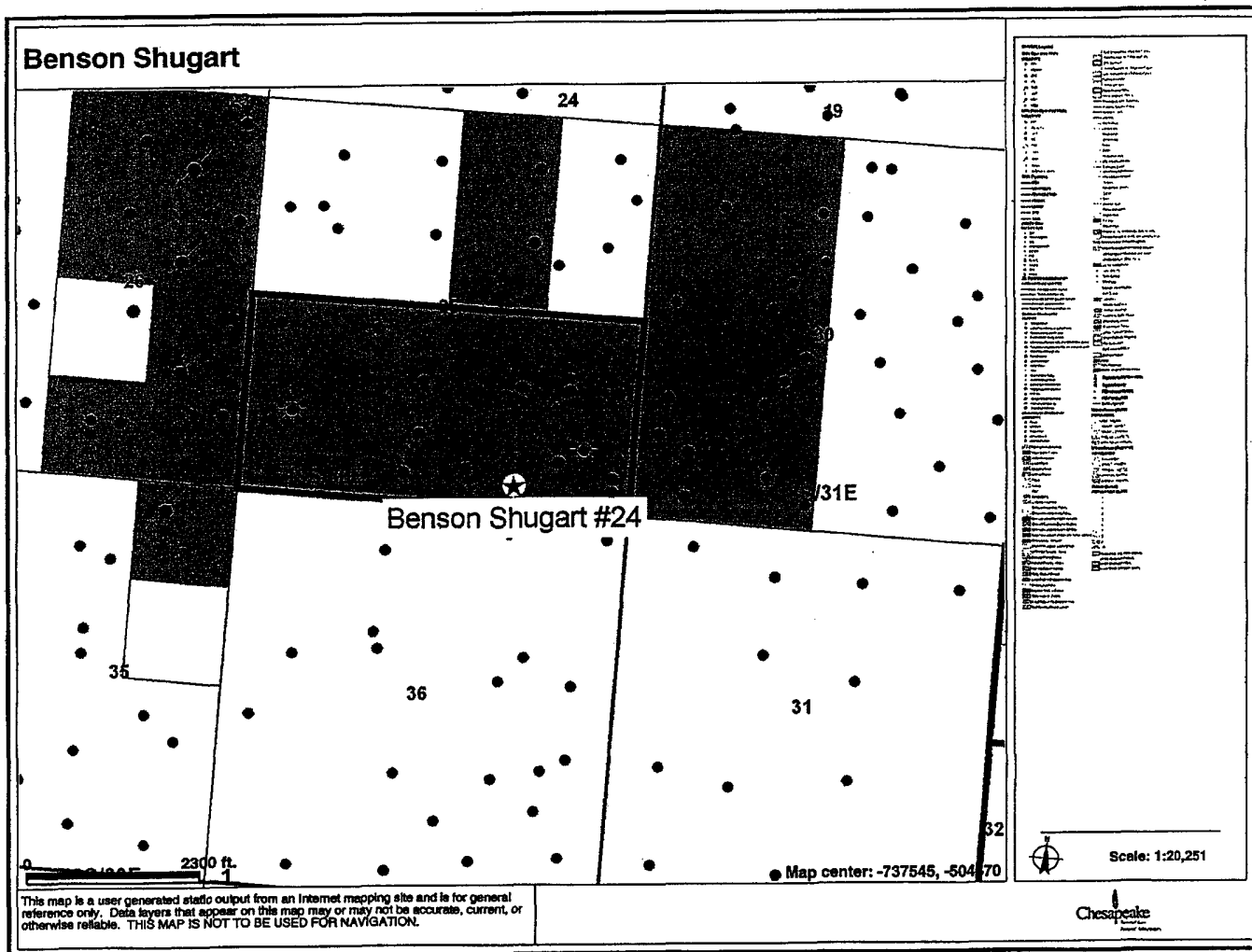
## Proposed P&A



**Accepted for record  
NMOCD**

PREPARED BY: Renee Thomas  
 UPDATED BY: Renee Thomas

DATE: 5/13/05 AJM  
 DATE: 5/20/05



**Benson Shugart WFU 24  
Chesapeake Operating, Inc.  
February 14, 2007  
Plug and Abandon Procedure**

**Step 4 If TOC is below 1735 feet, it will be necessary to perforate the casing and establish a plug both inside and outside of the casing that extends to 50 feet above the base of the salt. This modification would move this step to between five and six.**

**WWI 021407**

**Accepted for record  
NMOCD**

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
505-234-5972**

**Permanent Abandonment of Federal Wells  
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 505-627-0272; Eddy County, call 505-234-5972; Lea County, call 505-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs/gal with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs/gal with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

**Accepted for record  
NMOCD**