

MAY - 6 2009

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**EC****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.  
NMNM35925

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
DANA 4 FEDERAL 132. Name of Operator  
CHESAPEAKE OPERATING INCContact: LINDA GOOD  
E-Mail: linda.good@chk.com9. API Well No.  
30-005-63709-00-S13a. Address  
2010 RANKIN HWY  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 405-935-427510. Field and Pool, or Exploratory  
PECOS SLOPE-ABO

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

Sec 4 T9S R25E NWSE 1980FSL 1980FEL

11. County or Parish, and State

CHAVES COUNTY, NM

**12. CHECK 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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 HAS CHANGED THEIR PLANS TO RECOMPLETE THIS WELL. WE ARE REQUESTING PERMISSION TO PLUG & ABANDONED PER THE FOLLOWING P&A PROCEDURE. PROCEDURE AND WELL SCHEMATIC ARE ALSO ATTACHED.

**PROCEDURE**

1. NOTIFY THE BLM 24 HOURS IN ADVANCE PRIOR TO COMMENCING PLUG AND ABANDONMENT OPERATIONS.
2. HOLD TAILGATE SAFETY MEETING PRIOR TO BEGINNING WORK EACH MORNING AND AS REQUIRED FOR SPECIFIC OPERATIONS.
3. RACK AND TALLY 130 JOINTS OF 2 7/8" N-80 WORKSTRING.
4. PREPARE LOCATION. TEST ANCHORS.
5. MIRU PU. NDWH. NU AND TEST BOP.
6. RIH W/GAUGE RING AND JUNK BASKET TO PBD @ 3,884'.

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

**Electronic Submission #69519 verified by the BLM Well Information System**  
**For CHESAPEAKE OPERATING INC, sent to the Roswell**  
**Committed to AFMSS for processing by LINDA ASKWIG on 04/29/2009 (09LA0105SE)**

Name (Printed/Typed) LINDA GOOD

Title SR. REGULATORY COMPLIANCE SPEC

Signature (Electronic Submission)

Date 04/28/2009

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

Approved By DAVID R GLASS

Title PETROLEUM ENGINEER

Date 05/01/2009

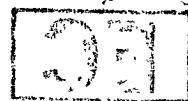
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Roswell

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*****SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**Additional data for EC transaction #69519 that would not fit on the form**



**32. Additional remarks, continued**

- 7 LOAD WELL WITH PLUGGING MUD AND PRESSURE UP TO 500# AND TEST FOR LEAK-OFF.
- 8 RIH W/OPEN ENDED TUBING TO 1,560' AND SET A 100' CEMENT PLUG PULL UP HOLE, WAIT 4 HOURS AND TAG PLUG (TOP OFF GLORIETTA @ 1,510')
9. PERFORATE CASING WITH 4 SQUEEZE HOLES @ 1,052'
- 10 RIH W/OPEN ENDED TUBING TO 1,052' AND SET A 100' CEMENT PLUG INSIDE AND OUT PULL UP HOLE, WAIT 4 HOURS AND TAG PLUG (8 5/8" CASING SHOE @ 1,002')
- 11 PUH W/TUBING TO 60' FILL CASING BACK TO SURFACE WITH CEMENT POH W/TUBING TOP OFF CASING
- 12 RDMO. INSTALL DRY HOLE MARKER AND CUT OFF DEAD MAN RESTORE LOCATION

**CONTACTS**

WORKOVER FOREMAN  
LYNARD BARRERA  
OFFICE 575-391-1462  
CELL 575-631-4942

**PRODUCTION FOREMAN**

STEVE SERNA  
OFFICE 575-391-1462  
CELL 575-390-9053

**ASSET MANAGER**

KIM HENDERSON  
OFFICE 405-935-8583  
CELL 405-312-1840

(CHK PN 819533)

## Revisions to Operator-Submitted EC Data for Sundry Notice #69519

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type.	ABD NOI	ABD NOI
Lease.	NMNM35925	NMNM35925
Agreement:		
Operator.	CHESAPEAKE OPERATING, INC. P.O BOX 18496 OKLAHOMA CITY, OK 73154-0496 Ph. 405-935-4275	CHESAPEAKE OPERATING INC 2010 RANKIN HWY MIDLAND, TX 79701 Ph. 432.687.2992
Admin Contact	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com  Ph: 405-935-4275	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com  Ph. 405-935-4275
Tech Contact.	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com  Ph: 405-935-4275	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com  Ph: 405-935-4275
Location: State: County:	NM CHAVES	NM CHAVES
Field/Pool:	PECOS SLOPE-ABO	PECOS SLOPE-ABO
Well/Facility.	DANA 4 FEDERAL 13 Sec 4 T9S R25E NWSE 1980FSL 1980FEL	DANA 4 FEDERAL 13 Sec 4 T9S R25E NWSE 1980FSL 1980FEL



**Dana 4 Federal 13  
Plug and Abandonment  
Chaves County, NM**

**Current Wellbore Information**

**TD: 4,210' PBDT: 3,884'**

Casing	OD	Weight	Grade	Depth Set	TOC
Surface	8 5/8	24#	J-55	1,002'	Surface
Production	4 1/2	11.6#	J-55	4,209'	1,110'

Perfs	Top Perf	Bottom Perf	Status	SPF
Abo	3,950'	3,968'	SI	1
Lower Abo	3,990'	4,029'	SI	1

OIH	Size	Location
CIBP /w cement on top	4"	3,900'
CIBP /w cement on top	4"	3,986'

Formation Tops	Location
Top of Salt	Not Present
Bottom of Salt	Not Present
Top of San Andres	380'
Top of Glorietta	1,510'
Top of Tubb	2,945'
Top of Abo	3,667'

**GL: 3,595' KB: 10' KB Height: 3,605'**

**Procedure**

1. Notify the NM BLM 24 hours in advance prior to commencing plug and abandonment operations.
2. Hold Tailgate Safety meeting prior to beginning work each morning and as required for specific operations.
3. Rack and tally 130 joints of 2-7/8" N-80 workstring.
4. Prepare location. Test anchors.
5. MIRU PU. NDWH. NU and test BOP.
6. RIH w/ gauge ring and junk basket to PBDT @ 3,884'.
7. Load well with plugging mud and pressure up to 500# and test for leak-off.
8. RIH w/ open ended tubing to 1,560' and set a 100' cement plug. Pull up hole, wait 4 hours and tag plug. (Top off Glorietta @ 1,510')
9. Perforate casing with 4 squeeze holes @ 1,052'.
10. RIH w/ open ended tubing to 1,052' and set a 100' cement plug inside and out. Pull up hole, wait 4 hours and tag plug. (8-5/8" Casing Shoe @ 1,002')
11. PUH w/ tubing to 60'. Fill casing back to surface with cement. POH w/ tubing. Top off casing.
12. RDMO. Install dry hole marker and cut off dead man. Restore location.

## **Contacts**

### **Workover Foreman**

Lynard Barrera

Office: 575-391-1462

Cell: 575-631-4942

### **Production Foreman**

Steve Serna

Office: 575-391-1462

Cell: 575-390-9053

### **Asset Manager**

Kim Henderson

Office: 405-935-8583

Cell: 405-312-1840

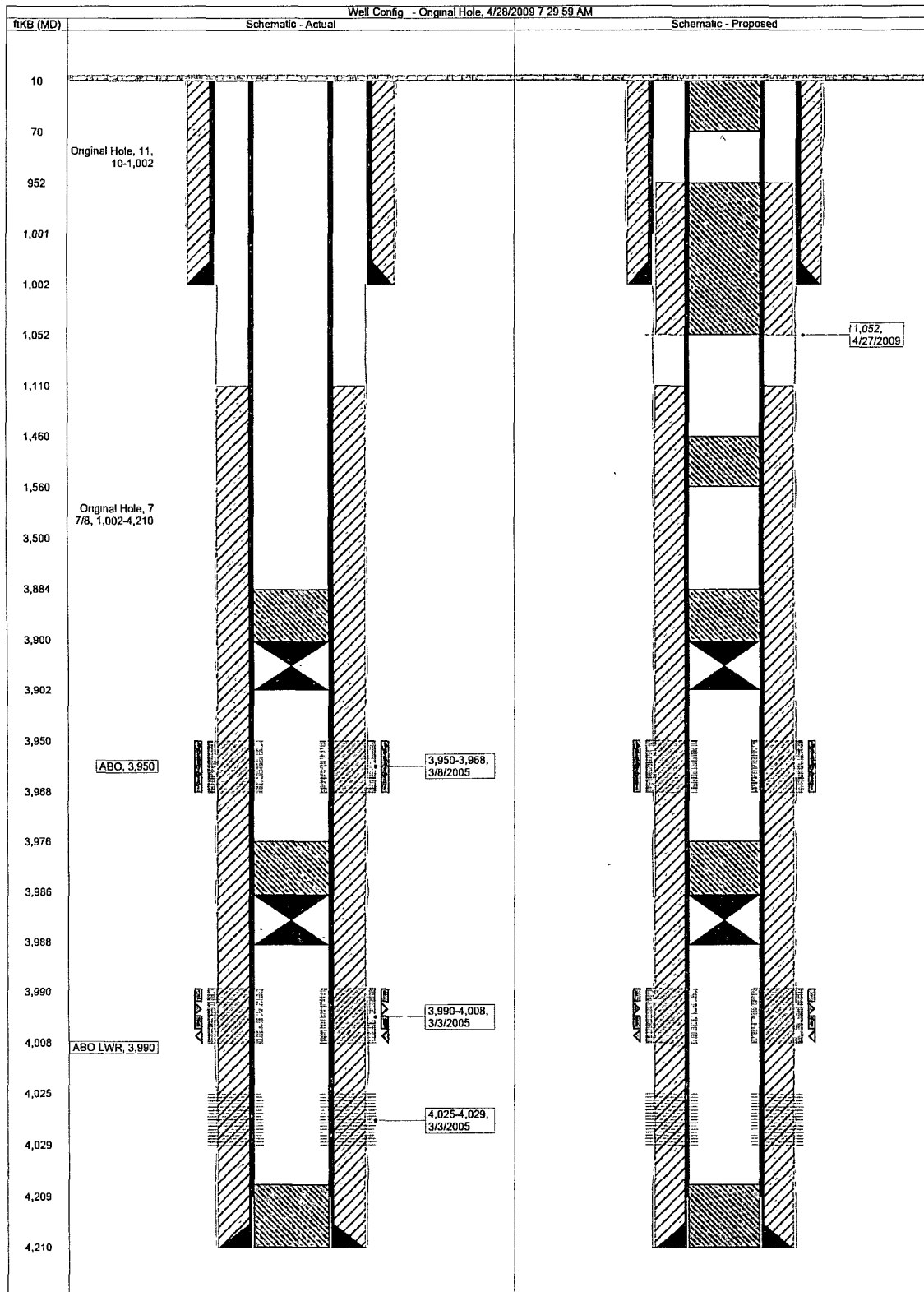


# Workover Proposal

DANA 4 FEDERAL 13

Field: Pecos Slope (Abo)  
County: CHAVES  
State: NEW MEXICO  
Location: SEC 4, 9S-25E, 1980 FSL & 1980 FEL  
Elevation: GL 3,595.00 KB 3,605.00  
KB Height: 10.00

Spud Date: 2/10/2005  
Initial Compl. Date:  
API #: 3000563709  
CHK Property #: 819533  
1st Prod Date: 4/13/2005  
PBD: Original Hole - 3884.0  
TD: 4,210.0



## **BUREAU OF LAND MANAGEMENT**

**Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201  
(575) 627-0272**

### **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 the BLM Roswell Field Office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours call (575) 627-0205 or after office hours call (575) 910-6024. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

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 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a 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 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 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 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 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 the ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the 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 the BLM Roswell Field Office. 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.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.