

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**5. Lease Serial No.
NMLC064637

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
89100645308. Well Name and No.
HENSHAW DEEP UNIT 59. API Well No.
30-015-03913-00-S110. Field and Pool, or Exploratory
HENSHAW11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CHESAPEAKE OPERATING INC

Contact: CAROL ADLER

E-Mail: carol.adler@chk.com

3a. Address

OKLAHOMA CITY, OK 73154-0496

3b. Phone No. (include area code)

Ph: 817-556-5825

Fx: 817-645-1821

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

Sec 23, T16S R30E NENE 660FNL 660FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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.)

CONFIDENTIAL

CHESAPEAKE RESPECTFULLY SUBMITS THE PROCEDURE THAT WAS PERFORMED TO REPAIR CASING FOR THE FOLLOWING:

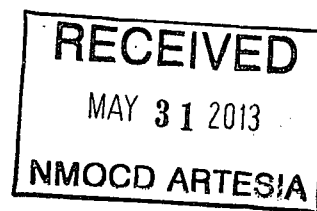
HENSHAW DEEP UNIT 5
EDDY COUNTY, NEW MEXICO

Procedure: PLEASE SEE ATTACHED

CHK PN 891181

Accepted for record
NMOCD

edade 6/7/2013



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

Electronic Submission #208109 verified by the BLM Well Information System

For CHESAPEAKE OPERATING INC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 05/21/2013 (13KMS6191SE)

Name (Printed/Typed) CAROL ADLER

Title REGULATORY ANALYST III/AGENT

Signature (Electronic Submission)

Date 05/21/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**JAMES A AMOS
Title SUPERVISOR EPS

Date 05/26/2013

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 Carlsbad

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 ****

1/14/2013 MIRU - HELD PSJA, MIRU SELECT WELL SERVICE RIG # 2, SISD

1/15/2013 TIH W/WORK STRING - 50 PSI, SICP, HELP PJSSA, BLED WELL OFF, ND WELLHEAD AND NU 7 1/16" X 5K HYD BOP, TORQUES AND TESTED TO 250 PSI ON LOW SIDE AND 5000 PSI ON HIGH SIDE, SET IN SURFACE EQUIPMENT, RECEIVERACK AND TALLY 290 JTS, 2 3/8' L-80 WORK STRING, PICK UP AND TIH W/8' X 2 3/8" SUB AND 202 JTS TUBING, TAGGED AND PULLED FREE @ 6340', PULLED UP TO 5940' AND CIRCULATE WELL W/260 BBLS, 2% KCL, SISD

1/16/2013 SD - NO ACTIVITY

1/17/2013 SD - NO ACTIVITY

1/18/2013 RUN DOWNHOLE VIDEO - HELD PJSA, MIRU CASED HOLE SOLUTIONS WIRELINE TRUCK & STONE PUMP TRUCK, PICK UP DOWNHOLE CAMERA AND TIH PUMPING 2 BPM TO KEEP WELLBORE FLUIDS CLEAN, FOUND 3' WINDOW IN CASING @ 6080'-6083', TOO H W/CAMERA & RDMO WIRELINE, TOO H W/191' JTS 2 3/8" L-80 WORK STRING, SISD

1/19/2013 SD - NO ACTIVITY

1/20/2013 SD - NO ACTIVITY

1/21/2013 TIH W/BHA, MILL ON CASING, SPLIT - HELD PJSA, SET IN REVERSE UNIT AND UNLOAD BHA. PICK UP 3 7/8" BLADED MILL, 3 7/8" STABILIZER, 3 1/8" SHORT DC, X-OVER, 3 7/8" STABILIZER, 3 1/8" DC, X-OVER, 3 1/8" JARS, X-OVER, 4-3 1/8" DC'S & X-OVER. TIH W/ 187 JTS. 2 3/8" L-80 TBG AND TAG @ 6046' TBG. DEPTH. PICK UP AND MAKE UP POWER SWIVEL AND STRIPPER HEAD, BROKE CIRCULATION AND MILL FROM 6046' TO 6055'. CIRC. WELL CLEAN, LAY DOWN P/S AND PULL UP TO 6019'. SISD.

1/22/2013 MILL THROUGH BAD CSG. SPOT. - HELD PJSA, PICK UP POWER SWIVEL, MILL FROM 6055' TO 6076' AND FELL OUT. PICK UP AND TIH W/ 88 JTS. 2 3/8" L-80 TBG. AND TAGGED @ 8793'. CIRC. CLEAN AND PULL UP TO 5954'. SISD.

1/23/2013 WORK THROUGH BAD SPOT, TOO H, LAY DOWN BHA - HELD PJSA, TIH W/ TBG., TAGGED @ 6070', ROTATE PIPE AND FELL THROUGH. WORK TOOLS THROUGH BAD CSG. W/ NO TAG. TOO H W/ 2 3/8" TBG. AND LAY DOWN BHA. TIH W/ 40 JTS. AS KILL STRING. SISD.

1/24/2013 SD - NO ACTIVITY

1/25/2013 ATTEMPT TO RUN CSG. INS. LOG - HELD PJSA, TOO H W/ 40 JTS. TBG. MIRU GRAY WIRELINE, PICK UP AND TIH W/ CSG. INSPECTION LOGGING TOOLS. TIH TP 6740' AND SAT DOWN PULL UP TO 6046' AND TOOLS STARTED STICKING IN CSG. WINDOW. WORK TOOLS ATTEMPTING TO GET BACK INTO CSG. THROUGH WINDOW WITH NO LUCK. TOOLS STUCK IN WINDOW @ 6046' SISD.

1/26/2013 SD - NO ACTIVITY

1/27/2013 SD - NO ACTIVITY

1/28/2013 SD - NO ACTIVITY, WAITING ON FISHING TOOL

1/29/2013 TIH W/ FISHING TOOL, FREE WIRELINE, TOO H - HELD PJSA, PICK UP 3 3/4" SIDE DOOR OVERSHOT WITHOUT GRAPPEL, 2 3/8" X 4' SUB AND TIH W/ 193 JTS. 2 3/8" L-80 WORKSTRING. TAG CSG. INSPECTION TOOL @ 6046', WORK TOOLS TOGETHER, FREED WIRELINE AND TOO H W/ TBG. TOO H W/ WIRELINE AND RDMO WIRELINE TRUCK. LAY DOWN FISHING TOOLS, SISD.

1/30/2013 TIH W/ MILL, WORK THROUGH BAD SPOT IN CSG. - HELD PJSA, PICK UP 3 7/8" 5 BLADED MILL AND BHA, TIH W/ 2 3/8" L-80 WORK STRING, TAG @ 6070'. PICK UP POWER SWIVEL AND STRAIGHTEN CSG. BACK OUT WORKING THROUGH SEVERAL TIMES. TOO H, LAY DOWN BHA. SISD.

1/31/2013 TIH W/ PKR, SET & TEST ANNULUS, TOO H - HELD PJSA, PICK UP HALLIBURTON 4 1/2" RTTS PKR. AND TIH W/ 192 JTS. 2 3/8" L-80 WORK STRING TO 6030'. SET PKR., LOAD AND TEST ANNULUS TO 500 PSI. W/ NO LEAK OFF. RELEASE PKR., TOO H W/ TBG. AND LAY DOWN PKR. SISD.

2/1/2013 SD - NO ACTIVITY

2/2/2013 SD - NO ACTIVITY

2/3/2013 SD - NO ACTIVITY

2/4/2013 TIH W/ BRIDGE PLUG - HELD PJSA, PICK UP 4 1/2" HALLIBURTON EZ DRILL CAST IRON BRIDGE PLUG AND HYD. SETTING TOOL. TIH W/ 195 JTS. 2 3/8" L-80 WORK STRING TO 6128'. DROP BALL, PRESSURE UP ON TBG. TO 1000 PSI. AND SET BRIDGE PLUG @ 6128'. TOO H W/ TBG, LAY DOWN SETTING TOOL AND SISD.

2/5/2013 TIH W/ CMT RET - HOLD PJSA PICK UP 3.70" X 60' HALLIBURTON CSG ALIGNMENT TOOL AND TIH TO SET DEPTH. PUMP 30 BBLS THROUGH RET. SET RET AT 6,028'. MIRU RISING STAR CMT SER. NIPPLE UP TO TBG. PRESSURE UP ANNULUS TO 500 PSI. LOAD TBG W/ 4 BBLS OF WATER. TRY TO ESTABLISH INJECTION RATE AND PRESSURED OUT AT 2,000 PSI. INCREASE PRESSURE TO 2500 PSI. STAGE PRESSURE UP TO 3,000 PSI. COULD NOT ESTABLISH INJECTION RATE. BWD. RELEASE STINGER AND REVERSE CIRCULATE 30 BBLS. STING BACK IN RETAINER AND PRESSURE TO TO 2500 PSI. MONITORED PRESSURED FOR 15 MINS W/ NO LEAK OFF. BWD. RELEASE STINGER AND TOO H W/ TBG AND BHA. SWI. SD

2/6/2013 TIH W/ SHOE AND BHA - HOLD PJSA PICK UP 3 7/8" X 4' SMOOTH OD SHOE, XO, 3 1/2" DRILL COLLAR, 3 1/2" JARS, 4- 3 1/2" DRILL COLLARS AND TIH W/ TBG. TAG AT 6028'. PICK UP SWEVIL AND BREAK CIRCULATION. MILL ON CMT RET. CUT DOWN 12" AND SHOE PLUGGED UP. TOO H AND FOUND BRASS, GUIDE RING AND RUBBER. CLEAN OUT SHOE AND TIH W/ SAME BHA. TAG AT 6028". PULL UP TO 6000'. SWI. SD

2/7/2013 CUT ON CMT RET - HOLD PJSA PICK UP SWEIVL AND BREAK CIRCULATION. TAG @ 6028'. CUT OVER CMT RET AND PUSH DOWN TO 6128'. WORK OVER RET. TOOH W/ TBG AND BHA. FOUND RETAINER STUCK IN THE SHOE. LEFT ALIGNMENT TOOL ON THE HOLE. PICK UP 1.99" SPEAR AND TIH TO 6028'. SWI. SD

2/8/2013 FISH ALIGNMENT TOOL - HOLD PJSA CON'T TIH AND TAG FISH AT 6,066'. SPEAR CSG ALIGNMENT TOOL AND TOOH. LAY DOWN FISH AND BHA. PICK UP HALLIBURTON 3.70" RTTS PKR AND AND 4 JTS OF TAIL PIPE AND TIH TO SPOT DEPTH AT 6,076'. SPOT 42 GALLONS OF HCL AND PULL UP TO 5,968'. SET PKR. LOAD AND PRESSURE UP ANNULUS TO 500 PSI W/ NO LEAK OFF. ESTABLISH INJECTION RATE AT 3 PM AT 3,975 PSI. HAD RESSURE INCREASE DROPPED RATE TO 2 BPM AT 3,100 PSI. PUMPED 1,000 GALS OF 15% HCL IN TO SQUEEZE HOLES AND FLUSHED. ISIP: 2,619 PSI AVG RATE 1 BPM AVG PRESSURE 2800 PSI. BLEED DOWN TO 0 PSI IN 6 MINS. BLEED DOWN ANNULUS. RELEASE PKR AND TOOH. LAY DOWN PKR. SWI. SD

2/9/2013 SD - NO ACTIVITY

2/10/2013 SD - NO ACTIVITY

2/11/2013 TIH W/ BHA - HOLD PJSA PICK UP HALLIBURTON CSG ALIGNMENT TOOL AND CMT RET. TIH W/ TBG TO 6028'. PUMP 13 BBLS THROUGH RET. SET CMT RET. ESTABLISH INJECTION RATE AT 1 BPM AT 1,950 PSI. SWI. SD.

2/12/2013 SQUEEZE - HOLD PJSA MIRU RISING STAR CMT SER. ESTABLISH INJECTION RATE AT 1 BPM AT 2250 PSI. PUMPED 100 SXA (24 BBLS) OF CLASS "C" NEAT W/ .25% FLUID LOSS AND .25% OF FRICTION REDUCER. TAILING IN W/ 100 SXS (24 BBLS) OF CLASS "C" NEET. PUMPED 14 BBLS AND WELL WENT ON A VACUUM. TRY TO STAGE THE LAST 3 BBLS AT 1 BBL EVRY 30 MINS. DID NOT SHOW ANY PRESSURE INCREASE. STING OUT OF RETAINER AND REVERSE OUT 35 BBLS. DID NOT SHOW ANY CMT RETUTNS. STING INTO RETAINER AND ORDERED OUT 400 SXS OF CLASS "C" NEET W/ 2% CACL. TRY TO ESTABLISH INJECTION RATE. PRESSURED UP TO 3000 PSI. NO LEAK OFF. BWD. RELEASE STINGER AND TOOH. SWI. SD

2/13/2013 TIH, WASH OVER CMT RET - HOLD PJSA PICK UP 3 73/4" X 4' SHOE W/ BHA AND TIH. TAG AT 6028' CUT OVER CMT RET AND PUSH TO BOTTOM AT 6178'. TOOH. NO ECOVERY OF ANY OF THE ALIGNMENT TOOL SWI. SD

2/14/2013 TIH W/ SHOE AND BHA - HOLD PJSA PICK UP 4.0" X 4' SMOOTH OD SHOE, 2-JTS OF 4" WASH PIPE AND TIH. TAG AT 6,068'. BREAK CIRCULATION AND CUT DOWN TO 6,071'. SHOE PLUGGED UP. TOOH W. TBG AND BHA. FOUND CEMENT RETAINER IN SHOE. SWI. SD

2/15/2013 TIH W/ SPEAR - HOLD PJSA PICK UP 1.99" SPEAR AND TH W/ TBG AND BHA. TAG AT 6068'. WORK WITH SPEAR. TOO H. W/ NO RECOVERY. TIH W/ SAME BHA AND AT 6070'. WORK W/ FISH. LOSS 7'. PICK UP W/ A 10 POINT OVER PULL AND TOOL SLIPPED OFF. LOST WEIGHT. TOO H W/ TBG AND BHA. NO RECOVERY. SWI. SD

2/18/2013 TIH W/ SHOE - HOLD PJSA PICK UP 3 3/4" X 3 1/2' SHOE AND 2 JTS OF WASH PIPE. TIH W/ BHA AND TAG AT 6070'. BREAK CIRCULATION AND CUT 10' OF ALIGNMENT TOOL. PULL UP TO 6,065' AND CIRCULATE CLEAN. SWI. SD

2/19/2013 CUT OVER ALIGNMENT TOOL - HELD PJSA, MADE RIG REPAIRS FOR 2 HRS. BROKE CIRCULATION, TAGGED UP @ 6085' AND WASH OVER ALIGNMENT TOOL TO 6103'. CIRCULATE CLEAN AND PULL UP TO 6035'. SISD.

2/20/2013 CONTINUE WASHING OVER ALIGNMENT TOOL - HELD PJSA, BROKE CIRCULATION, TAGGED @ 6103' AND WASH OVER TO 6110'. CIRCULATE CLEAN, LAY DOWN POWER SWIVEL AND TOO H W/TBG AND BHA. LAY DOWN BHA AND RECOVERED A 23' PIECE OF ALIGNMENT TOOL. SISD.

2/21/2013 TIH W/ NEW SHOE, WASH OVER ALIGNMENT TOOL. - HELD PJSA, PICK UP AND TIH W/ 3 3/4" X 3 1/4" SHOE W/ SMOOTH OD, ROUGH BOTTOM AND MESH ID. TIH W/ 2 JTS. 3 3/4" WASH PIPE, 1-3 1/8" DC, 3 1/8" JARS & 4-3 1/8" DC'S. TIH W/ 186 JTS. 2 3/8" L-80 WORK STRING TO 6035'. PICK UP AND MAKE UP POWER SWIVEL AND STRIPPER, BROKE CIRCULATION, TAGGED UP @ 6110' AND WASH OVER ALIGNMENT TOOL TO 6121' CIRCULATE CLEAN AND PULL UP TO 6035'. SISD.

2/22/2013 WASH DOWN TO CIBP, TOO H - HELD PJSA, BROKE CIRCULATION, TAG @ 6121' AND WASH DOWN TO 6128'. CIRCULATE CLEAN, LAY DOWN POWER SWIVEL AND TOO H W/TBG. AND BHA. LAY DOWN SHOE, WASH PIPE AND JARS. SISD.

2/23/2013 LAY DOWN DC'S AND PART OF WORK STRING - HELD PJSA, RIG DOWN POWER SWIVEL AND REVERSE UNIT. LAY DOWN DC'S, TIH W/ 186 JTS. 2 3/8" L-80 WORK STRING AND TOO H LAYING DOWN SAME. SISD.

2/24/2013 SD - NO ACTIVITY

2/25/2013 SD DUE TO HIGH WINDS

2/26/2013 LAY DOWN WORK STRING, RDMO - HELD PJSA, TIH W/ 88 JTS. 2 3/8" L-80 WORK STRING OUT OF DERRICK. TOO H LAYING DOWN SAME. ND BOP, NU WELL HEAD FLANGE. CLEAN LOCATION, RDMO. FINAL REPORT.