Submit 1 Copy To Appropriate District Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

RECEIVED
MAY 27 2010
HOBBSOCD

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Amended *

Form C-103
October 13, 2009

WELL API NO. 30-025-29514 ✓	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name J A Akens ✓
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 12 ✓
2. Name of Operator Chesapeake Operating, Inc. ✓	9. OGRID Number 147179 ✓
3. Address of Operator P.O. Box 18496 Oklahoma City, OK 73154-0496	10. Pool name or Wildcat Eumont; Yates-Seven Rivers-Queen
4. Well Location Unit Letter X : 660' feet from the South line and 330' feet from the East line ✓ Section 3 Township 21 S Range 36 E NMPM CountyLea	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3553' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ~~Recomplete in Lower Queen~~ ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Show proposed recompletion as Lower Queen.
All other information previously submitted on this form remains the same.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bryan Arrant TITLE Sr. Regulatory Compl. Spec. DATE 05/26/2010

Type or print name Bryan Arrant E-mail address: bryan.arrant@chk.com PHONE: (405)935-3782

For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE MAY 27 2010

Conditions of Approval (if any):

Chesapeake ENERGY

J A Akens #12-3
Lower Queen Recompletion
Lea County, NM

Current Wellbore Information

TD: 7,000' **PBTD:** 3,844'

Casing	OD	Weight	Grade	Depth Set	TOC
Surface	13-3/8"	48#	H-40	407'	Surface
Intermediate	8-5/8"	24#	K-55	2,700'	Surface
Production	5-1/2"	15 5# & 14#	K-55	7,000'	1,200'

Pressure and Dimensional Data

Size	Weight	Grade	Drift	Collapse	Burst	80% Burst
13-3/8"	48#	H-40	12 559	770	1,730	1,384
8-5/8"	24#	K-55	7 972	1,370	2,950	2,360
5-1/2"	15.5# & 14#	K-55	4 887	3,120	4,270	3,416

Existing Perforations

Perfs	Top Perf	Bottom Perf	Status
Glorieta	5,204'	5,330'	Abandoned
Glorieta	5,322'	5,330'	Abandoned
Blinebry	5,828'	5,866'	Abandoned
Tubb	6,554'	6,654'	Abandoned
Tubb	6,684'	6,734'	Abandoned
Drinkard	6,740'	6,782'	Abandoned
Drinkard	6,786'	6,830'	Abandoned
Drinkard	6,864'	6,880'	Abandoned

OIH	Size	Location
Cement Retainer	5-1/2"	3,900'
Cemented Bridge Plug	5-1/2"	5,100'

GL: 3,553' **KB:** 14' **KB Height:** 3,567'

Procedure

Hold PJSA prior to beginning work each morning and as required for specific operations

1. Prep location. Check anchors and clean area for workover.
2. Set (4), 500 barrel, steam cleaned frac tanks. Water requirement is 1,603 bbls. With 10% overage the requirement is 1,800 bbls.
3. Rack and tally Oil Dog work string consisting of 129 joints of 2-7/8, 6 5#, J-55 tubing.
4. MIRU workover rig. ND WH. POH w/ pump and rods NU 5K BOPs and test POH w/ production tubing (laying down).
5. RIH w/ 4-3/4" bit, 6 – 3-1/2" DCs and scraper to 3,844'. Clean out and circulate the 5-1/2" casing with 2% KCL. Pump sweeps as necessary to clean hole. POOH w/ 4-3/8" bit and 2-7/8" Oil Dog workstring (standing back).
6. NU 7-1/16", 5K, Full Opening, Hydraulic Frac Valve. NU 7-1/16", 5K, Cross with 2-9/16", 5K, Wing Valves Run test plug Test to 4,000#. Retrieve test plug.

7. Install 5K lubricator and logging tools. RIH w/ CBL, CCL and GR and log without pressure on the well from 3,750' and log up to 3,450'. Drop back down to the initial depth of 3,750' and log the well to 200' above TOC (estimated to be 1,200') with 2,000 psi applied to the casing. Release pressure, POOH w/ tools and LD. Contact Asset Manager if the cement bond is poor. Ensure one copy of the CBL is given to the completion foreman and one copy is sent to Kim Henderson (kim.henderson@chk.com) in Oklahoma City. RD wireline

8. MU Perforating Guns loaded 3 spf w/ 60 degree phasing (23 g minimum charges) and RIH. Correlate to the attached log from Step #7 and perforate the Lower Queen (Stage 1) as follows:

Stage 1

Formation	Interval	SPF	Total Shots
Lower Queen	3,621	3 spf	3
Lower Queen	3,618'	3 spf	3
Lower Queen	3,616'	3 spf	3
Lower Queen	3,602'	3 spf	3
Lower Queen	3,597'	3 spf	3
Lower Queen	3,584'	3 spf	3
Lower Queen	3,582'	3 spf	3
Lower Queen	3,580'	3 spf	3
Lower Queen	3,576'	3 spf	3
Lower Queen	3,570'	3 spf	3
Lower Queen	3,566'	3 spf	3
Lower Queen	3,549'	3 spf	3
Lower Queen	3,540'	3 spf	3
Total	81'		39

POOH w/ perforating guns and verify all shots fired. RDMO Wireline.

9. RD Lubricator. RU Frac Company and frac the Lower Queen perfs 3,540' – 3,621' (39 holes). Frac per attached procedure. (5-1/2" 14# & 15 5 K-55 Internal Yield = 4,270 psi) Record ISIP-5-10-15 min pressures. RDMO frac equipment.

10. RU wireline and install 5K lubricator. RIH w/ CBP and set @ 3,490'. POH.

11. MU Perforating Guns loaded 3 spf w/ 60 degree phasing (23 g minimum charges) and RIH. Correlate to the attached log from Step #7 and perforate the Lower Queen (Stage 2) as follows:

Stage 2

Formation	Interval	SPF	Total Shots
Lower Queen	3,514	3 spf	3
Lower Queen	3,507'	3 spf	3
Lower Queen	3,505'	3 spf	3
Lower Queen	3,499'	3 spf	3
Lower Queen	3,496'	3 spf	3
Lower Queen	3,494'	3 spf	3
Lower Queen	3,492'	3 spf	3
Lower Queen	3,476'	3 spf	3
Lower Queen	3,474'	3 spf	3
Lower Queen	3,472'	3 spf	3
Lower Queen	3,465'	3 spf	3
Lower Queen	3,464'	3 spf	3
Lower Queen	3,432'	3 spf	3
Lower Queen	3,425'	3 spf	3
Lower Queen	3,423'	3 spf	3
Lower Queen	3,420'	3 spf	3
Total	94'		48

POOH w/ perforating guns and verify all shots fired. RDMO Wireline.

12 RD Lubricator. RU Frac Company and frac the Lower Queen perfs 3,540' – 3,621' (39 holes) Frac per attached procedure. (5-1/2" 14# & 15.5 K-55 Internal Yield = 4,270 psi) Record ISIP-5-10-15 min pressures. RDMO frac equipment.

13. PU 4-3/4" bit, 6 – 3-1/2" DCs and work string and TIH to clean out to PBTD @ 3,844'. Circulate hole clean with 2% KCL water. POH.

14. TIH with production tubing and SN. Set seat nipple at 3,671' (below perfs).

15. ND BOP. NU WH TIH with pump and rods. Fill tubing and space out pump accordingly. Verify pump action. Place well on test.

16. RDMO workover rig. Clean location.

Contacts

Production Foreman
Greg Skiles
Office. 575-391-1462
Cell· 575-631-1663

Asset Manager
Kim Henderson
Office· 405-935-8583
Cell. 405-312-1840