

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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.
NMLC 029389 A

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 106828

8. Well Name and No.
BAISH FEDERAL 5

9. API Well No.
30-015-30901

10. Field and Pool or Exploratory Area
SHUGART

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

1980' FNL & 1980' FWL, SENW, SECTION 9, T18S, R31E

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 checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Workover Same Zn</u>
	<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 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 workover this well per the recompleat procedure.

(CHK PN 891321)

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

Name (Printed/Typed)
LINDA GOOD

Title FEDERAL REGULATORY ANALYST

Signature

Linda Good

Date 04/27/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

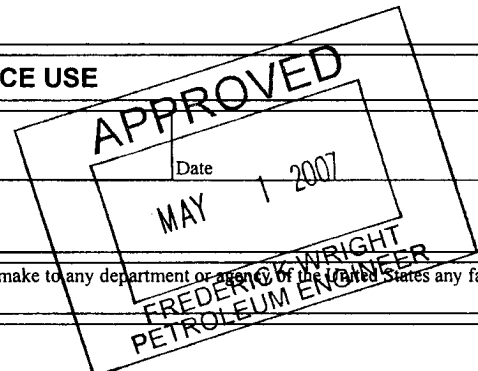
Title

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

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)



Baish Federal #5
Perforate Additional Bone Spring
Eddy County, New Mexico

GENERAL INFORMATION

April 27, 2007

Location: 1980' FNL & 1980' FWL, Sec 9 – T18S – R31E

API No.: 30-015-30901

WELL INFORMATION

<u>String OD</u>	<u>Weight & Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# H40	0' – 705'	12.715"	12.559"	1730	0'
8-5/8"	24# J55	0' - 2190'	8.097"	7.972"	2950	0'
5-1/2"	17# N80/J55	0' - 8963'	4.892"	4.767"	7740	0'

Bone Spring Carbonate 7866 – 96'

TD/PBTD: 8963'/8775'

Recommended Perforations

1st Bone Spring Sand 7414 – 7648' (OA)

2nd Bone Spring Sand 8308 – 8488' (OA)

Re-Completion Procedure

1. MIRU Service Rig and requisite equipment. NU BOP. POOH with pump, rods and 2-7/8" L80 tubing.
2. RIH with treating packer, on/off tool w/ 'X' profile nipple, and tubing to 7896'. Test tubing in hole. RU Acid Service Company. Spot 200 gal of 7-1/2% HCL Acid containing 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 7800'. Reverse circulate excess acid into tubing, set packer. Pressure test annulus to 1500#.
3. ND BOP. NU tree. Pressure annulus to 1000 psi. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1800 gal of same acid. Displace w/ 2% KCL. Do not over-displace. Pump at 6 to 8 BPM max.
4. Swab to clean up. POOH with tubing and packer.
5. MIRU Wireline Service Co. Run a GR/CCL log from PBTD to 7000'. Correlate to OH Neutron Density log dated 2-04-2000.
6. RIH w/ 3-3/8" casing gun. Perforate the 2nd Bone Spring Sand w/ 1 SPF, 23 gram charge, .37" holes at 8308', 10', 12', 14', 16', 18', 50', 52', 54', 56', 58', 60', 90', 92', 94', 96', 8404', 06', 08', 20', 22', 24', 38', 40', 42', 82', 84', 86', and 8488' (29 holes). RD Wireline Unit.
7. RIH w/ 5-1/2" treating packer on 2-7/8" tubing as follows: Re-entry guide, 10' sub, Arrow Set packer, on/off tool w/ 'X' profile nipple. Space out with the EOT at 8488'.
8. RU Acid Service Company. Spot 300 gal of 7-1/2% HCL Acid containing 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 8250'. Reverse circulate excess acid into tubing, set packer.

9. ND BOP. NU tree. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1200 gal of same acid. Displace w/ 2% KCL. Do not over-displace. Pump at 4 to 5 BPM max. Launch 35 ball sealers during job. Note rates and pressures. Note ISIP. Max pressure 5000#. Anticipated treating pressure ~ 2750#.
10. Flow/swab back job. Swab test zone.
11. Prep to frac. ND tree, NU BOP. Release and lower packer through perfs to clear of ball sealers. POOH with tubing and packer laying down tubing.
12. Pick up frac string. RIH w/ 5-1/2" treating packer on 3-1/2" 9.2# Non-Upset P110 rental tubing. Test tubing in hole. Set packer ~ 8250'. ND BOP, NU Frac Tree.
13. MIRU Frac Service Company. Establish rate w/ 21,000 gal of 30# XL gel pad containing additives per frac schedule. Pump an additional 4000 gal of pad containing 1/4 lb/gal 20/40 Ottawa as a scour. Frac per frac schedule ramping 125,000# of 20/40 Ottawa from 1 lb/gal to 4 #/gal in 42,000 gal of 30# XL gel. Tail in with 25,000# of 20/40 resin coat at 5 #/gal in 5000 gal of gel at tail of job. Total sand 125,000 lb of 20/40, 25,000 lb of resin coat. Obtain rates of 35 to 40 BPM, max pr 8000#. Cut resin activator in last tub of sand. Displace to top perf with linear gel. Anticipated treating pressure ~4500#. Obtain 5, 10, and 15 min SI data. Wait on frac overnight.
14. Flow back well to clean up. Kill well if required with a 10# brine. Release packer and POOH laying down frac string.
15. Set a 5-1/2" CBP at 7800'. Load hole with 2% KCL and test to 2500#.
16. RU lubricator and RIH w/ 3-3/8" casing gun. Perforate the 1st Bone Spring Sand w/ 1 SPF, 23 gram charge, .37" holes at 7414', 16', 18', 26', 28', 36', 38', 40', 56', 58', 60', 62', 64', 7524', 26', 28', 30', 7600', 02', 04', 06', 08', 36', 38', 40', 42', 44', 46', and 7648' (29 holes). RD Wireline Unit.
17. RIH w/ 5-1/2" treating packer on 2-7/8" tubing as follows: Re-entry guide, 10' sub, Arrow Set packer, on/off tool w/ 'X' profile nipple. Space out with the EOT at 7648'.
18. RU Acid Service Company. Spot 300 gal of 7-1/2% HCL Acid containing 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 7360'. Reverse circulate excess acid into tubing, set packer. Pressure test annulus to 1500#.
19. ND BOP. NU tree. Pressure annulus to 1000 psi. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1200 gal of same acid. Displace w/ 2% KCL. Do not over-displace. Pump at 4 to 5 BPM max. Launch 35 ball sealers during job. Note rates and pressures. Note ISIP. Max pressure 5000#. Anticipated treating pressure ~ 2500#.
20. Flow/swab back job. Swab test zone.
21. Prep to frac. ND tree, NU BOP. Release and lower packer through perfs to clear of ball sealers. POOH with tubing and packer.
22. MIRU Frac Service Company. NU casing saver/frac valve. Establish rate w/ 21,000 gal of 30# XL gel pad containing additives per frac schedule. Pump an additional 4000 gal of pad containing 1/4 lb/gal 20/40 Ottawa as a scour. Frac per frac schedule ramping 125,000# of 20/40 Ottawa from 1 lb/gal to 4 #/gal in 42,000 gal of 30# XL gel. Tail in with 25,000# of 20/40 resin coat at 5 #/gal in 5000 gal of gel at tail of job. Total sand 125,000 lb of 20/40, 25,000 lb of resin coat. Obtain rates of 35 to 40 BPM, max pr 6000#. Cut resin activator in last tub of sand. Displace to top perf with linear gel. Anticipated treating pressure ~2800#. Obtain 5, 10, and 15 min SI data. Wait on frac overnight.
23. Flow back/bleed pressure from well. RIH with bit, collars, and 2-7/8" tubing. Drill up CBP and circulate clean to PBTD 8775'.
24. RIH w/ MA, PS, SN, TAC (at ~ 7200') and 2-7/8" tubing. Space out and land SN ~7928' (as before). Swab to clean up.
25. RIH w/ 1-1/4" pump and FG rod string (as before). Run pump, 158 - 7/8" KD90 steel rods, and 103 - 1" FG rods. Space out/seat pump. Load and test. PWOP.