

Submit 3 Copies 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

Form C-103
May 27, 2004

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

WELL API NO.	30-015-24708
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Carrasco 18	
8. Well Number	1
9. OGRID Number	147179
10. Pool name or Wildcat Loving; Delaware, South	

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Chesapeake Operating Inc.

3. Address of Operator P.O. Box 11050
Midland, TX 79702-8050

4. Well Location
Unit Letter D : 990 feet from the North line and 990 feet from the West line
Section 18 Township 23S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3059 Gr

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Plug Back to Brushy Canyon ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Plug back to Brushy Canyon ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake, respectfully, request permission to plug back to Brushy Canyon per the attached procedure.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☒.

SIGNATURE Shay Stricklin TITLE Regulatory Assistant DATE 10/24/2006

Type or print name Shay Stricklin

E-mail address: sstricklin@chkenergy.com Telephone No. (432)687-2992

For State Use Only

BRYAN G. ARANT
DISTRICT II GEOLOGIST

APPROVED BY: TITLE

DATE OCT 27 2006

Conditions of Approval (if any):

Carrasco 18 #1
Plug Back to Brushy Canyon
Eddy County, New Mexico

Revised October 24, 2006 – Perforate Additional Brushy Canyon

GENERAL INFORMATION

Location: 990' FNL & 990' FWL, Sec 18 – T23S – R28E

API No.: 30-015-24708

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"	68# K55 STC	0' – 2386'	12.715"	12.559"	1730	0'
9-5/8"	40# N80 LTC	0' - 10642'	8.835"	8.679"	5750	~8487'
5-1/2"	Unknown	10108' - 12650'	~ 4.8"	~ 4.7"		10108'

Brushy Canyon "C" Perforations: 5786 – 5834'

TD/PBTD: 12650'/6030'

Recommended Perforations

Brushy Canyon "A" 5576 – 82', 5588 – 5600'

Brushy Canyon "B" 5635 – 40'

Re-Completion Procedure

1. POOH with packer/tubing. MIRU Wireline Service Unit. Set a 9-5/8" CIBP at 5740'. Bail 2 sx of cement on plug.
2. RU lubricator and RIH w/ HSD casing gun. Perforate the Brushy Canyon w/ 4 SPF, 23 gram charge, .37" holes, from 5635 – 40', 5588 – 5600', & 5576 – 82' (92 holes).
3. RIH w/ 9-5/8" treating packer and SN on 2-7/8" tubing. Space out with the EOT at 5640'.
4. 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-ernulsifier. Pull packer to ~ 5560'. Reverse circulate to ensure packer is clear of acid, set packer. Pressure annulus to 500#. Note: Top squeeze holes at 5550' will likely bleed some pressure.
5. ND BOP. NU tree. Pressure annulus to 500 psi. Displace spot acid, establish rate of 4 to 5 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1,300 gal of same acid. Displace w/ 2% KCL. Do not over-displace. Pump at 4 to 5 BPM max. Launch 100 ball sealers during job. Note rates and pressures. Note ISIP. Max pressure 4000#.
6. Flow/swab back job. Swab test zone.
7. Prep to frac. Kill well with 2% KCL if required. Lower packer through perms to clear of ball sealers. Re-set packer at ~5525'. NU frac valve. MIRU Frac Service Company. Pressure annulus to 1000#. Tie on to tubing and establish rate w/ 10,000 gallon pad of 30# XL gel pad containing additives per frac schedule. Scour with 1000# of 16/30 Ottawa in 4000 gal of additional pad. Frac per frac schedule ramping 16/30 Ottawa from 1 lb/gal scour to 6 #/gal of resin coat at tail of job in a 30# XL gel. Total sand 51000 lb of 16/30, 10000 lb of 16/30 resin coat. Obtain rates approaching 15 BPM, max pr 4000#.

Cut resin activator in last tub of sand. Displace to top perf with slickwater. Anticipated treating pressure ~2500#.

8. Obtain 5, 10, and 15 min SI data. RDMO Frac Service Company. Wait on frac overnight.
9. Flow back job. Swab to clean up and test.
10. ND tree, NU BOP. POOH with tubing and packer.
11. RIH w/ MA, PS, SN, TAC (at ~ 5300') and 2-7/8" tubing. Space out and land SN ~5650'. Swab to clean up.
12. RIH w/ 1-3/4" pump and an API Grade 'D' tapered rod string. Run pump, 350' of 1-1/2" sinker bars, 114 - 3/4", and 98 - 7/8". Space out/seat pump. Load and test.
13. Set 456-256-144 PU. Stroke to 126" hole and PWOP.