

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

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

Form C-103

May 27, 2004

WELL API NO. 30-015-35510
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 South Culebra Bluff 23
8. Well Number 017
9. OGRID Number 227588
10. Pool name or Wildcat Loving, Brushy Canyon East

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 Water Injection

2. Name of Operator
Range Operating New Mexico, Inc.

3. Address of Operator
100 Throckmorton St., Ste. 1200, Fort Worth, TX 76102

4. Well Location
Unit Letter K : 1883 feet from the North line and 1500 feet from the West line
Section 23 Township 23S Range 28E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc)
3001.5' 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: ☐

SUBSEQUENT REPORT OF:

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

OTHER: ☐

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

This submittal updates remedial cementing operations since last C-103 submittal 8/30/07.

9/04/07 - Set CIBP @ 6050'. Test casing to 3000 psi for 30 mins Ran CBL 6050'-150', indicated TOC @ 5850'.

9/05/07 - Perforated 8 holes @ 5840'. POOH. Ran packer on 2-7/8" tubing Set packer at 5792'. Tested packer and casing to 3000 psig. EIR - 3 BPM @ 1000 psig. Pumped 120 barrels of fresh water, recovered 20 barrels from 8-5/8" - 5-1/2" annulus at surface. Unseat packer & POOH.

9/06/07 - Set cement retainer at 5792'. Tested tubing to 2000 psig, and tested casing to 1000 psig. EIR - 4 BPM @ 1000 psig. Pumped 450 sx of 65 35 'C': Pozz w/6% gel, 3% salt, and 0.7% C-41D (Lead) and 100 sx. Class 'C' w/1% calcium chloride (Tail) Reverse 66 barrels of clean returns.

9/07/07 - RIH w/4-3/4" bit, DCs, on 2-7/8" tubing.

9/10/07 - Tagged TOC @ retainer at 5792'. Drilled out retainer and cement to 5874' and tested to 1000 psig. Fell out of cement at 5884'. Tagged CIBP at 6050'. Circulated hole clean and tested to 1000 psi for 30 minutes.

9/11/07 - POOH. Ran CBL 6050'-3930', indicated TOC 4154'. Perforated 8 holes @ 4140'. POOH. Ran packer on 2-7/8" tubing. Set packer at 4030' Tested pkr. and casing to 500 psig. EIR - 4 BPM @ 400 psig. Circulated through 8-5/8" - 5-1/2" annulus at surface Unseat packer & POOH.

9/12/07 - SICIP 0 psig. 8-5/8" CP 150 psig. RIH and set cement retainer at 4063'. Tested tubing to 2000 psig, and tested casing to 500 psig. EIR - 3 BPM @ 400 psig. Pumped 450 sx of 65:35 'C' Pozz w/6% gel, 3% salt, and 0.7% C-41D (Lead) and 100 sx. Class 'C' w/1% calcium chloride (Tail). Reverse 40 barrels of clean returns. RIH w/4-3/4" bit, DCs, on 2-7/8" tubing. Good returns during job, no cement to surface.

9/14/07 - SICIP 0 psig. 8-5/8" CP 80 psig. Tagged TOC @ retainer at 4062'. Drilled out retainer and cement and fell out of cement at 4096' Tagged CIBP at 6050'. Circulated hole clean.

9/15/07 - SICIP 0 psig. 8-5/8" CP 0 psig. Drilled out CIBP and washed down to 6255' PBTD. Circulated hole clean. POOH.

9/17/07 - SICIP 0 psig. 8-5/8" CP 0 psig. TIH w/2-3/8" WL guide, 2-3/8" x 5-1/2" AS-1 nickel plated plastic coated packer w/on-off tool and 1.43" ID 'F' Profile nipple on top and 195 jts of internally plastic coated 2-3/8" tubing. Set packer at 6021'. Tested casing and packer to 500 psig for 30 minutes, OK. RDMO.

Set up for Richard Inge to witness MIT Test on 9/21/07 at 9:00 AM.

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: Linda C. Stiles

TITLE: Engineering Tech

DATE: 9-20-2007

Type or print name Linda C. Stiles

E-mail address: lstyles@rangeresources.com

Telephone No. (817) 869-4208

For State Use Only

APPROVED BY: Richard Inge

TITLE: Compliance Officer

DATE: 9/21/2007

Conditions of Approval (if any):

