

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.
30-015-35511

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

South Culebra Bluff 23

8. Well Number 018

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 E : 1883 feet from the North line and 1052 feet from the West line
Section 23 Township 23S Range 28E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3030' 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.

6-12-07 - Spud well @ 0600 AM 4-21-07 and drill to 336'. Hole 12.25", Ran 8 jts, 336', 24#, K-55, New LTC, 8.625" csg. Cmt'd same to w/250 sx Class 'C' + 2% CaCl₂. Circulated 168 sx. cement to surface.

6-13-07 - Test csg 1000 psi for 30 minutes, OK. WOC 28.5 hrs. Drig. 7 7/8" hole.

6-24-07 - Reached TD 6-24-07 @ 1900 PM. Ran logs. POOH.

6-25-07 - Ran 150 jts, 6,464', 15.5#, J-55, new LTC, 5.5" csg. Set csg @ 6464'. Cmt'd w/900 sx Class 'C' + 5% salt + 0.6% FL-25 + 0.6% FL-52A + 0.5% BA-10 (100% Excess). Cmt'd 2nd stage through DV Collar @ 3491' w/1000 sx. Class 'C' + 5% Salt + 3/10% FL-52A + 4# LCM-1 (LEAD) & 100 sx. Class 'C' Neat (TAIL). Circulated 730 sx back to surface.

6-26-07 - Tested casing to 3000 psig for 30 minutes, OK. Waited on cement 24 hrs.

7-11-07 - MIRU. Test BOP Blind Rams to 1000 psig for 5 mins, OK. TIH. Test BOP Pipe Rams to 1000 psig. Tagged DV Tool and drilled out.

7-12-07 - Tagged at 6378' and circulated hole clean. POOH. Ran GR-CCL Perforate 6210'-6220', 6174'-6191', 6141'-6153', and 6120'-6138' (Lower Brushy Canyon) w/4 JSPF, 90 DEG phasing, 0.35" EHD, 228 holes. Acidized perfs with 2,850 Gallons 15% NEFE acid. POOH.

7-16-07 - RIH w/5-1/2" x 2-3/8" Nickel Coated Arrowset 1-X pkr, 1.43" ID 'F' profile nipple w/on-off tool, Fiber Line Adaptor and 196 jts 2-3/8", 4.7#, J-55, 8R, EUE Fiber Lined tubing to 6065.97'. Set packer. Test casing to 500 psig, OK. Open by-pass & circulate packer fluid. Re-set packer. ND BOP, NU WH RDMO.

7-17-06 - Tested casing to 650 psig for 30 mins, OK.

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 Bill Tracy for LCS TITLE Sr. Engineering Tech. DATE 8/30/07

Type or print name Linda C. Stiles Mail address: lstiles@rangeresources.com Telephone No. (817) 869-4208
For State Use Only

FOR RECORDS ONLY

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

AUG 30 2007

AUG 30 2007
OCD-ARTESIA

Well Name: SCB 23-18

Field: Loving

County: Eddy

State: New Mexico

07/11/07	SCB 23-18 Eddy NM Purpose of Wk: Perf & Acidized. MIRU, standby for wk string and tally. TIH w/ 4-3/4" bit and 6 3-1/2" DC & 101 2-7/8" tbg. TTOC @ 3476'. RU swivel drill out 15' of cement, TDVT @ 3491', DO DVT, LD swivel RIH w/ 31jts of 2-7/8" tbg, left btm of bit @ 4512' SWIFN. Daily Cost \$9,124	AFE # 06-04-13-0435 Day 1 Cum Cmpl Cost \$0	Cum Well Cost \$9,124
07/12/07	SCB 23-18 Eddy NM Purpose of Wk: Perf & Acidized. RU reverse unit, RIH w/ 58 jts 2-7/8" tbg to 6378' circ hole clean. POOH, LD DC and bit. RIH w/ GR CCL from PBTD to 5500' correlated to GR CCL Baker Atlas Compensated Z Density log-Compensated neutron Gamma Ray Log. Get on depth & Perf intervals 6220'-6210' & 6191' - 6174. POOH w/ tools, PU second set of guns and run in hole, TPBTD pull up and get on depth, perf intervals 6153' - 6141 & 6138 - 6120. POOH, RDWLU. SWIFN. Daily Cost \$26,999	AFE # 06-04-13-0435 Day 2 Cum Cmpl Cost \$9,124	Cum Well Cost \$36,123
07/13/07	SCB 23-18 Eddy NM Purpose of Wk: Perf & Acidized. PU P&P RIH to 6252' set plug tst to 3000#, psi bled off. Drop SV tst tbg to 3000# tbg did not hold. POOH to hole in tbg replace bad jt. RIH to 6250' set plug, set pkr @ 6245' and tst to 3000# plug held. PUH w/ pkr to 6205' set pkr. Pmp 500 gals acid to bypass close bypass and switch to wtr over displace by 2 bbls, perf broke @ 1675# @ 7.3 BPM and avg treating psi of 2345#. ISIP vac. Move tools set RBP @ 6205' and pkr @ 6169'. Pmp 850 gals acid to bypass, close bypass, switch to wtr and over displace by 2bbls perf broke @ 1540# and avg treating psi 2490#. ISIP vac. Move tools and set RBP @ 6169 and pkr @ 6100. Pmp 1500 gals acid to bypass close bypass and switch to wtr, over displace by 2bbls, perf broke @ 1430# avg treating psi of 2330#. ISIP vac. RDMO Petroplex. Release pkr and plug and POOH LD. Dropped plug in hole, SWIFN. Daily Cost \$16,395	AFE # 06-04-13-0435 Day 3 Cum Cmpl Cost \$36,123	Cum Well Cost \$52,518
07/14/07	SCB 23-18 Eddy NM Purpose of Wk: Perf & Acidized. RIH w/ WS fish RBP POOH LD. SWIFWE. Daily Cost \$6,154	AFE # 06-04-13-0435 Day 4 Cum Cmpl Cost \$52,518	Cum Well Cost \$58,672
07/15/07	SCB 23-18 Eddy NM No wk. SWIFWE. Daily Cost \$0	AFE # 06-04-13-0435 Cum Cmpl Cost \$52,518	Cum Well Cost \$58,672

Well Name: SCB 23-18

Field: Loving

County: Eddy

State: New Mexico

07/16/07

SCB 23-18

AFE # 06-04-13-0435

Eddy NM

Day 5

Purpose of Wk: Perf & Acidized. Standby waiting for tbg. RIH Lea County Arrowset pkr w/ 1.43 "F" profile nipple on 196 jts 2 3/8 fiber lined tbg. Circ pkr fluid, set Arrowset pkr, and tst annulus to 500 psi successfully.

Daily Cost \$14,941

Cum Cmpl Cost \$58,672

Cum Well Cost \$73,613

07/17/07

SCB 23-18

AFE # 06-04-13-0435

Eddy NM

Day 6

Purpose of Wk: Tst pkr. NU KT, Tst pkr to 650#, 30 min chart. Held good. ND KT, RDMO.

Daily Cost \$2,125

Cum Cmpl Cost \$73,613

Cum Well Cost \$75,738

FINAL REPORT



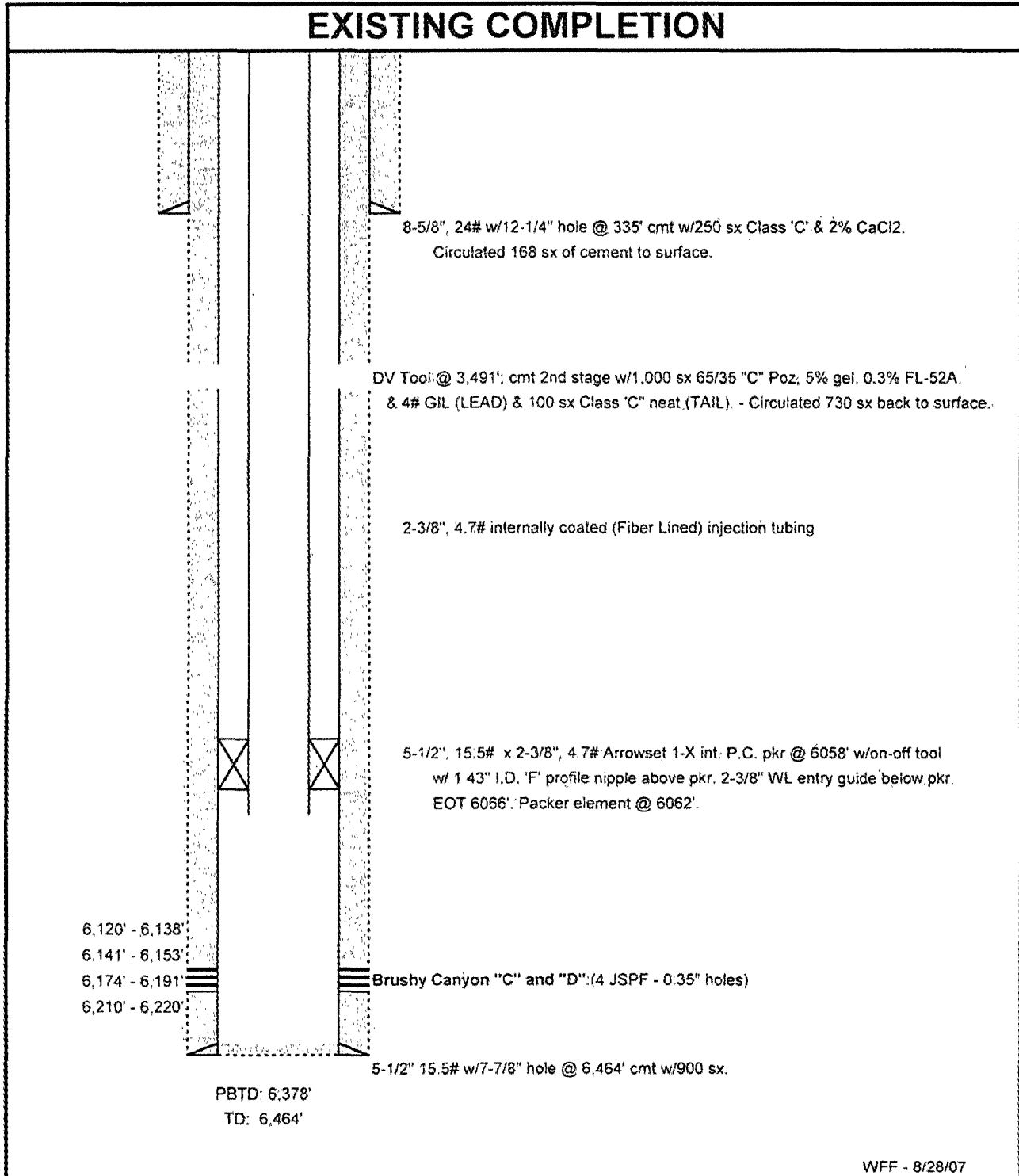
RANGE RESOURCES

LEASE: SCB
FIELD: Loving East
LOCATION: Sec 23, T23S, R28E

WELL #: 23-18
COUNTY: Eddy
LEGAL: 1883' FNL & 1052' FWL

API#: 30-015-35511
STATE: New Mexico
KB: 3047.4' (KB 17.4')

EXISTING COMPLETION



Tubing Detail

SCB 23-18 Tbg Detail :

	Length (ft)	Depth (ft)
KB	17.40	
2-3/8" SS x 2-7/8" SS XO	0.35	17.40
196 Jts. Fiber Lined Tbg, 2-3/8", 4.7#, J-55, 8R, EUE tbg, 1.73 I.D.	6040.00	17.75
On-Off Tool w/1.43" ID 'F' Profile Nipple	0.61	6057.75
2-3/8" x 5-1/2" Arrow set 1-X Pkr, Nickle plated w/ Internal Plastic Coating	7.21	6058.36
2 3/8 WL Entry Guide	0.40	6065.57
END OF TUBING		6065.97
Packer Element		6062.00