

OCD-HOBBS

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Range Operating New Mexico, Inc.3a. Address
777 Main St., Ste. 800, Fort Worth, TX 761023b. Phone No. (include area code)
817-810-1916

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

Unit letter I, 1980' FSL & 660' FEL
30-025-100765. Lease Serial No.
LC-032573B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Elliott B Federal #19. API Well No.
30-025-1007610. Field and Pool, or Exploratory Area
Penrose-Skelly Grayburg11. County or Parish, State
Lea

12. CHECK 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 checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recompletable 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- MIRU Workover rig. ND Wb & NU BOP's. Kill well w/2% KCl wtr, if necessary.
- PU & tally in w/mill or bit, SN & tbg. Tag PBTD to confirm. Raise tbg one joint off btm. RIH w/swab & swab test well to measure approx water volumes. Make not of initial FL. If able to swab tubing dry, make 30 min & hourly runs to estimate inflow. POOH.
- If significant water volumes are evident, RIH w/4" pkr to 3300' and set. Test casing (annulus) to 500 psi. POOH.
- Make decision to include Grayburg formation with Penrose-Skelly based upon water volumes.
- MI foam-air or reverse unit and power swivel.
- PU & RIH w/t, DC's & tg. Wash out fill to TD of 3783' or until progress becomes minimal.
- PU & RIH w/pkr, SN & tbg to 3300'.
- MI Acid Transport(s) loaded w/4000 gals of 15% NEFE acid & brine water for rock salt stages. Test line to 5000 psi.
- Set pkr & load annulus to 500 psi. Drop standing valve & 1st tbg to 4000 psi. Release pressure & retrieve SV. Load tbg & establish injection w/2% KCl water. Pump 500 gals of acid at 5-6 BPM, space out four stages of rock salt in brine water, pump 500 gals of acid after last stage of salt and flush acid to 3,757'. SD & digitally record ISIP through 30-min SIP or until well goes on vacuum. Record pump-in/shut-in data at 1-second intervals. Maximum treating pressure = 4000 psi.
- After 30 minutes, RU swab & swab a minimum of 50 bbls. Release pkr & POOH. MI Wireline Service. Install 1000 psi packoff for perforating. PU & RIH w/Gamma Ray/CCL to PBTD.
- MU & RIH w/CCI & Stick csg gun(2) w/19 gram charge (0.40" EH & 21" penetration) set at 2 spf 120 dg phased.
- Perforate Penrose-Skelly zone 3,526 - 3652'. POOH w/gun(s). ND packoff & NU BOP.
- MI Schlumberger loaded w/5000 gals of 7 1/2% NEFE acid (w/clay stabilization additive) and 150 balls & 7/8" & 1.3 SG. Test lines to 5000 psi.
- 1st pkr, RBP & tbg to 4000 psi. Release press. Spot acid from approx 3680 - 3500. Raise pkr to 3300' and set. Load annulus to 500 psi.
- Load tbg & establish injection w/2% KCL water. Pump 500 gals of acid at 5-6 BPM, space out 150 ball in 4000 gals acid, pump 500 gals of acid after last set of balls & flush acid to 3652'. SD pumps & surge off balls. Wait 5 - 15 min's. Overflush acid w/10 bbls. SD & digitally record ISIP through 30-minute SIP or until well goes on a vacuum. Record pump-in/shut-in data at 1 second time intervals. Maximum treating press - 4000 psi.
- Bleed press off well, if necessary. Release pkr, TIH & retrieve TBP, POOH. PU & RIH w/MA, perf'd sub, SN, TAC & tbg for pmpp. Set EOP approx 10' off PBTD. RU swab & swab back load until load water is clean and all acid is spent. RIH w/GA, BH pump & rods. Set PU for 8-10 SPM and put on pmp.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Signature

Title Sr. Reg. Sp.

Date

02/22/2006

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

FEB 24 2006

LES BABYAK
PETROLEUM ENGINEER

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)

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