

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Alamogordo, NM 88210

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

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

3. Address **777 Main Street Suite 800
Fort Worth Texas 76102**

3a. Phone No. (include area code)
(817) 770-2601

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface **330' FNL & 1425' FEL**

At top prod. interval reported below **330' FNL & 2310' FEL**

At total depth **330' FNL & 2310' FEL**

14. Date Spudded
06/14/2000

15. Date T.D. Reached
06/25/2005

16. Date Completed **07/07/2005**
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.
NM 32636

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
N/A

8. Lease Name and Well No.
Amoco 11 Federal #09

9. AFI Well No.
30*015-33916

10. Field and Pool, or Exploratory
East Loving Delaware (40370)

11. Sec., T., R., M., on Block and
Survey or Area **Sec 11, T23S, R28E**

12. County or Parish **Eddy** 13. State
NM

17. Elevations (DF, RKB, RT, GL)*

18. Total Depth: MD **6490'**
TVD

19. Plug Back T.D.: MD **6386'**
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Spectral Density / DS Neurton / Dual Later / Microguard

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8J-55	24#		554.6		500		Surface	
7 7/8	5 1/5J-55	15.5		6490		1165		Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	6255							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Brushy Canyon 'AA'	5996'	6008'				
B) Brushy Canyon 'A'	6070'	6080'				
C) Brushy Canyon 'C'	6244'	6288'				
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5902'-6072'	38,430 gals VF 125 x-link gel w/62,400#s 16/30 Ottawa & Resin Sand.
6244'-6288'	64,428 gals VF 125 x-link gel w/87,573#s 16/30 Ottawa & Resin Sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/02/2005	03/08/2005	24	→	55.9	41	175	37.2		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	SI 200	95	→	55.9	41	175	913	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

AUG 3 - 2005

LES BABYAK
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Delaware Sand	2722	3479	SS, Water	Delaware	2722
Cherry Canyon	3479	4766	SS, Water	Cherry Canyon	3479
Brushy Canyon	4766	6317	SS, Gas, Oil & Water	Brushy Canyon	4766
				Bone Spring	6317

32. Additional remarks (include plugging procedure):

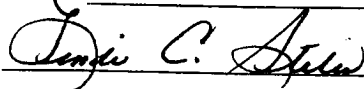
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Linda C. StilesTitle Sr. Engineering Tech

Signature

Date 07/17/2005

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.