

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOB

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. <b>NM 1410</b>			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____						6. If Indian, Allottee or Tribe Name			
2. Name of Operator <b>Range Operating New Mexico, Inc.</b>						7. Unit or CA Agreement Name and No.			
3. Address <b>777 Main Street Suite 800 Fort Worth Texas 76102</b>				3a. Phone No. (include area code) <b>(817) 870-2601</b>		8. Lease Name and Well No. <b>Federal 2-17 #4</b>			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>2310' FNL &amp; 2310' FEL</b>  At top prod. interval reported below  At total depth <b>2310' FNL &amp; 2310' FEL</b>						9. AFI Well No. <b>37963</b> <b>30*015-33777</b>			
						10. Field and Pool, or Exploratory <b>Eunice; San Andres, Southwest</b>			
						11. Sec., T., R., M., on Block and Survey or Area <b>Unit G, Sec. 17, T22S, R37E, NMPM.</b>			
						12. County or Parish <b>Lea</b>	13. State <b>NM</b>		
14. Date Spudded <b>08/02/2006</b>		15. Date T.D. Reached <b>08/09/2006</b>		16. Date Completed <b>08/24/2006</b> <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* <b>3392</b>			
18. Total Depth: MD <b>4400'</b> TVD		19. Plug Back T.D.: MD <b>4341'</b> TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>Dual Laterolog, Dual Spaced Neutron</b>				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	8 5/8	24	0	1089		200 POZ/C	70	Surface	0
						180 C	43		
7 7/8	5.5 K55	17	0	4396		750 POZ/C	101	Surface	0
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	4068								
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) San Andres		3846	4000	3938 - 4000		.40	30	Producing	
B)				3895 - 3900		.40	15	Producing	
C)				3846 - 3851		.40	15	Producing	
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
3938 - 4000		Acidize w/4000 gals 15% NEFE acid w/80 balls.							
3846 - 3851		Acidize w/1000 gals 15 % NEFE acid.							
3846 - 3900		Frac w/93,576 gals YF130ST (30# x-linked gel), 72,060#s 16/30 Ottawa sand & 39,020#s 16/30 resin-coated 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
08/24/2006	08/27/2006	24	→	50	522	1304	30.5	1.109	Pumping, sub-pmp
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
24/64	SI 380	220	→					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.	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

SEP 6 2006

WESLEY W. INGRAM  
PETROLEUM ENGINEER

dm

## 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
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.)

## 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
San Andres	3845	4000	Gas, Oil, & Water	Rustler Yates 7 Rivers Queen Grayburg San Andres	1087 2642 2841 3289 3619 3845

## 32. Additional remarks (include plugging procedure):

Inclination survey, C-104

## 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) **Paula Hale**Title **Sr. Reg. Sp.**

Signature

Date **09/01/2006**

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.

GHW