New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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 page 2*

HOBBS OCD

APR 10 2014

RECEIVED

1. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NM 15677A
	6. If Indian, Allottee or Tribe Name
	7. If Unit of CA/Agreement, Name and/or No.
	8. Well Name and No. Strange Federal #1
2. Name of Operator RMR Operating, Inc.	9. API Well No. 30-005-20717
3a. Address 2515 McKinney Avenue, Suite 900, Dallas, Texas 75201	3b. Phone No. *(include area code)* 214-871-0400
	10. Field and Pool or Exploratory Area Tom Tom (San Andres)
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* Unit P: 660' FSL and 660' FEL Sec 25, T-7S, R-31E NMPM	11. County or Parish, State Chaves County

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Perforate P-3 and fracture stimulate P-1, P-2 and P-3
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

PLEASE SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM

Our geologist John S. Simitz contacted Ms. Donna Sratton of RMR Operating, concerning the use of frac tanks. RMR will **not** be using frac tanks to stimulate the San Andres P-1, P-2 and P-3 zones in this well.

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

Donna Stratton

Title Regulatory Analyst

Signature Donna Stratton

Date 3/31/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by J.S. Simitz

Title Geologist

Date 4/8/2014

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.

Office ROSWELL FIELD OFFICE

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)

APR 14 2014

REVISED

Strange Federal #1
(API = 30-005-20717)
660' FSL and 660' FEL
Section 25, Twp. 7-S, Rge-31-E
Chaves County, New Mexico
KB=4431' and GL=4419'

Procedure to perforate P-3 lower and fracture stimulate P-1, P-2, P-3

All perforations are based on Schlumberger Sidewall Neutron Porosity log dated 3/3/80

1. MIRU workover unit. POOH with Rods and pump. ND pumping tee. NU 3000# double manual BOP's POOH w/ production tubing (2-3/8", J-55, 4.7# EUE) bring additional tubing to check T.D. RIH w/ bit and scraper on production tubing. Check T.D. POOH and strap tubing.

2. MIRU wireline unit. RIH w/ casing inspection log (EMI and 40 arm caliper). Run collar log and GR with casing inspection log. Send inspection log electronically to the Dallas office and Midland office. It is imperative that the wellhead, surface casing and production casing be inspected visually at the surface and with the casing inspection log. A casing leak could develop at the surface if the surface cement job and the production cement job fell back after primary cement job.

3. Perforate lower P-3 San Andres based of Schlumberger Sidewall Neutron Porosity (SNP) log. Tie casing inspection log to Schlumberger's SNP. Perforate P-3 San Andres as follows: 4193'-4209' (1 JSPF, 16 holes total, 3-3/8" csg. guns). POOH w/ wireline. RDMO wireline unit.

4. RIH w/ 5.5" Arrow-set 1-X or equivalent packer on production tubing (hydro-test tubing while running in the hole to 6,000 psig). Spot acid across new perforations prior to setting packer. Set packer at 4175'. Backside will probably load but will require a truck on the backside rolling produced water into the existing perforations. Do not put more than 300 psig on the backside. Break perfs down with produced water first to confirm packer is holding. Acidize perforations with 2,000 gallons 15% NEFE HCl diverted with 30 ball sealers. Do not exceed 1500 psig pump in pressure. Attempt to ball out perforations. BE PREPARED FOR ACID TO BREAK AROUND FROM THE PERFS ABOVE. Stop acidizing if there is a major drop in treating pressure. Immediately move to step 5.

5. Release Packer and move packer to 3800'. Set packer at 3800' and acidize all the perforations with 5,000 gallons 15% NEFE acid. Plan to pump 1,000 gallons acid, and then divert with 1,000# graded rock salt in produced water. Repeat process till all 5,000 gallons are pumped and 4,000# rock salt. Plan to have 8,000# rock salt on location. Change volumes of rock salt if well is seeing good block action. Over displace acid job with 100 bbls fresh water to ensure all the rock salt is dissolved. Swab well back till well cleans up.

   If casing integrity looks good on inspection log proceed to step 6, if not proceed to step 7.

6. Load and pressure backside to 500 psig. Pressure up tubing 3,300 psig. Pressure test backside to 3,000 psig. Confirm casing integrity at surface.

7. Depending on wellbore integrity, prepare well for fracture stimulation down casing or down 3.5" 9.3#/ft IJ (PH-6 threads or equivalent) frac string. Fracture stimulate well with Reverse Hybrid fracture stimulation as per attached procedure. Contact Protechnics (or equivalent). Plan to radioactive tag the frac job in the final stages of the job. Plan to fracture stimulate down casing at 45 BPM or 30 BPM down 3.5" 9.3#/ft IJ tubing. If fracing down tubing, plan on using an Arrow-set 1-X as the treating packer or equivalent. Do not exceed 3,000 psig if fracture stimulating down casing.

8. Leave well shut-in overnight to let gel break. Open well in the AM. Do not flow back more than 20 bbls/hour. Once well dies, swab load back until wellbore fluid cleans up (no frac sand). RIH with a mule shoe on 2-3/8" production tubing and clean out the frac sand. First attempt to pump reverse (down casing). Well may require pumping conventional to circulate the sand out of the hole. POOH. MIRU wireline unit and RIH with Gamma Ray frac log to determine fracture stimulation height and zones of treatment.

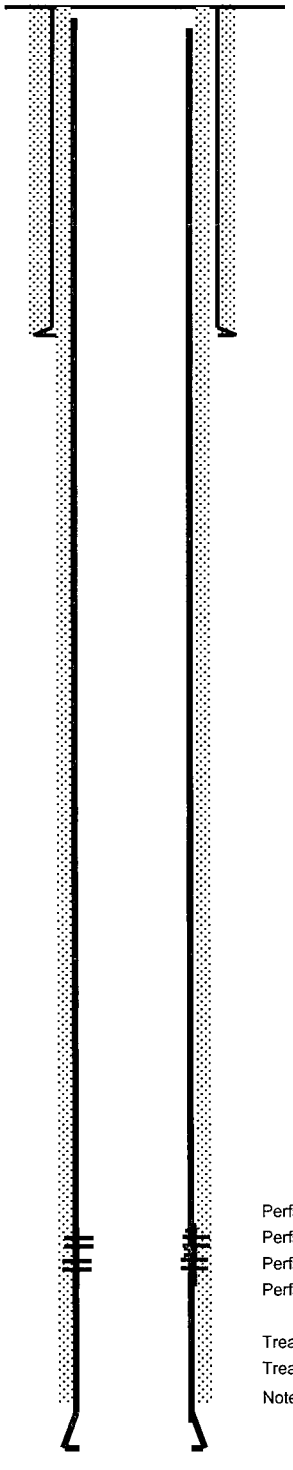
9. Prepare to run production equipment. Plan to run SN at 3700' or 200' above the top perforation. Contact Dallas office for speeding pumping unit up and changing pumping configuration to match swabbing results. Plan to run a T.A.C. as part of the production equipment. If production exceeds pumping unit design. Contact Dallas office or Midland office to upgrade to 2-7/8" tubing and a larger pumping unit. Return well to production.

WELL DATA SHEET

LEASE:	Strange Federal	**WELL:**	#1	**FIELD:**	Tom Tom (San Andres)
		CURRENT COMPLETION			
LOC:	660' FSL and 660' FEL	**SEC:**	25 **BLK**	**SURVEY:**	T-7-S, R-31-E
STATUS:	Producing	**CO:**	Chaves	**API NO:**	30-005-20717
TD:	4288	**ST:**	New Mexico	**LEASE #**	
PBTD:	4253				
COTD:	4253				

Spud Date: 3/8/1980
Comp.Date: 4/19/1980

GL: 4419
DF:
KB: 4431



Csg Detail:

Hole Size: 12-1/4"
8-5/8" **OD** 24 **#/ft, grade** K-55
csg set @ 1669' **w/** 1702 **sx.**
Circ? Yes **TOC @** Surface **By** Visual

Hole Size: 7-7/8"
5.5 **OD** 14 **#/ft, grade** K-55
csg set @ 4274' **w/** 1570 **sx.**
Circ? Yes **TOC @** Surface **By** Visual

Perfs 4078'-4172' (1 SP every two feet)
Perfs 4064'-4066' (1 SPF)
Perfs 4002'-4056' (1 SP every 2 feet)
Perfs 3894'-3898' (1 SPF)

Treatment: 4086-4158' Acidize with 7,000 gallons 15% NEFE HCl
Treatment: 3894'-4172" Acidize with 13,000 gallons 15% NEFE HCl
Note: No diversion action on any of the treatments

WELL DATA SHEET

LEASE:	Strange Federal	**WELL:**	#1	**FIELD:**	Tom Tom (San Andres)
		PROPOSED COMPLETION			
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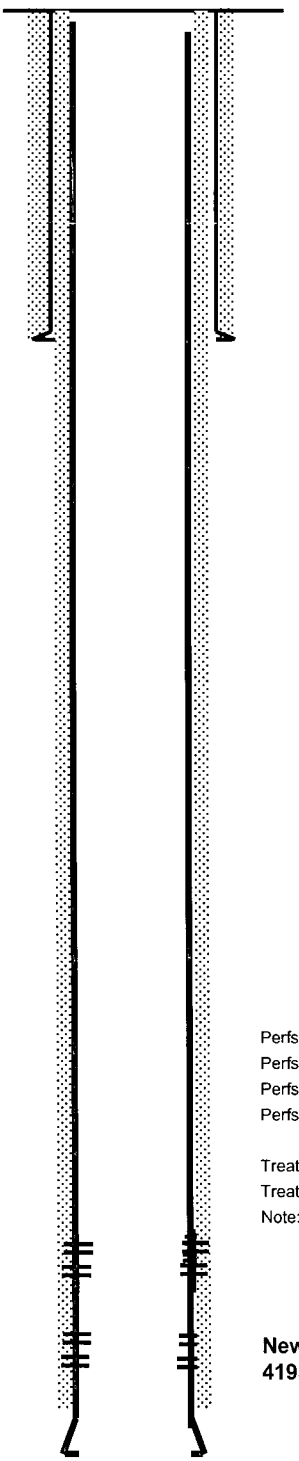

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New P-3 perforations
4193'-4209'