

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 ☐ Other

2. Name of Operator **Range Operating New Mexico, Inc. (227588)**

3a. Address
777 Main Street Suite 800 Fort Worth, TX 76102

3b. Phone No. (include area code)
817-810-1908

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

**At Surface: 1980' FNL & 550' FEL Sec. 3, T25S, R37E
At Proposed Prod. Zone: 1980' FNL & 550' FEL Sec. 3, T25S, R37E**

5. Lease Serial No.

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

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

8. Well Name and No.
Trantula 3 Federal #2 (35881)

9. API Well No.
30-025-37516

10. Field and Pool, or Exploratory Area
Justis, Tubb-Drinkard (35280)

11. County or Parish, State
Lea, NM

12. CHECK 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
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleat 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 recompleat in a new interval, a Form 3160-5 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.)

TD 6606

1. Drove rig w/crew to loc RU PU set up pipe rack & unloaded 205 jts of 2-7/8" tbg NU 5,000# BOP tallied & TIH w/4-3/4" Bit sub 6-3-1/8" DC x over 2-7/8" SN & 138 jts of 2-7/8" tbg tagged DVT@4,670' w/tbg tally RU swivel & R U brk circ drill out DVT LD swivel finished TIH w/57 more jts tagged w/20' in on the #195th jt@6,512' w/tbg tally RU swivel started drlg made 3" in about 15min got a sample all metal stopped drlg LD swivel RU acid trk pmp 300 gals of 15% HCL acid + additives to pickle the tbg & flush w/160 bbls of 2% KCL wtr SCV pressure tst csg to 4,800 psi held good release pressure RD acid trk TOO H w/tbg LD the DC & Bit RU Weatherford W/L trk RIH w/GR,CCL,VDL & CBL, dn to PBTD@6,511 w/W/L depth run a repeat section from 6,500' up to 6,000'@0 psi run CBL from PBTD up to 3,300' w/500 psi correlate back to Halliburton spectral Density Duel Neutron log dated 7/3/06 ETOC@1,500' FS RIH w/3-1/8" slick csg gun set@3 spf 120 degree phased w/19 gm charge 0.40"EH 21" penetration run a strip across DVT to get on depth run dn got on depth perf the Drinkard form from 6,428'-30 & 6,446'-49' in 1 run RD W/L trk shut the well in SWIFN.

(Continued On Attachment)

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

Linda C. Stiles

Title **Sr. Engineering Tech.**

Signature

Linda C. Stiles

Date

08/17/2006



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

Date

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)

TRANTULA 3 FEDERAL 2
Completion

2. Open well 0 psi make up TIH w/2-7/8"x 5-1/2" cline pkr 2-7/8" SN & 199 jts of tbg dn to 6,466' RU PetroPlex acid trk loaded w/1,500 gals of 15% NEFE acid to spot & brk dn the Drinkard form from 6,428'-6,449' spot 1 bbl across perf pulled out w/3 jts set pkr @ 6,369' w/196 jts put 500 psi on csg & held during the acid job start on wtr brk@2,450 psi got inj rate pmp 1,500 gals of acid & flush to btm perf w/37.7 bbls of 2% KCL wtr ISDP @ 1,075 psi ATP @ 1,702 psi avg rate@5 BPM 5min@993 psi 10min@957 psi 15min @ 932 psi 20min @ 914 psi 25min @ 902 psi 30min @ 890 psi total load to rec 72.6 bbls BWD unset pkr moved dn 1 jts reset pkr @ 6,401' w/197 total jts in L&T pkr w/1/4 bbl to 500 psi held good RD acid trk RU swab IFL@surface swab well dn to SN in 9 runs waited 1 HR FL @ 4,700' FS made 3 more runs EFL @ SN rec a total of 75 bbls w/a slight blow after the runs & a slight trace of oil SWIFN,
3. RU Schlumberger to frac. Perform pilot tst on wtr from tnk, check pH, specific gravity, base gel viscosity, gel stability and break times @120°F. Calibrate all additives, tst lines to 5,049 psi - good tst. Held safety meeting. Frac Drinkard (6,428'-6,449', 15 holes) w/ 49,551 gals of YF130ST (30# x-linked gel), 49,540 LBS of 16/30 Ottawa sand & 26,295 of 16/30 RC sand @ ATR 40 BPM & ATP @ 3,300 psi. Ramped from 1 to 4 PPA sand. ISIP @ 4,085 psi, 5min @ 2,682 psi. SWIFN to allow resin to cure. RD Schlumberger.
4. SICP @1,100 psi open wel l@ 7:30 AM on a 12/64" choke pressure dropped dn to 175 psi opened choke all the way pressure dropped dn to 50 psi flowed back 226 bbls of LW. ND Frac valve, NU BOP. TIH w/ 2-7/8" NC, SN & tagged sand @ 6,456'. POOH w/ 11 jts & left EOT @ 6,111.81. Waited on ARC SL trk. RU SL trk to run Pyrotechnics Spectra scan logging tool. Log from PBTD to 6,000'. RA tracer seen from 6,347' dn to PBTD. RD W/L trk. SWIFN. TFTR-1,396 bbls, TFRT-310 bbls, TFLTR-1,086 bbls.
5. SITP @ 50 psi SICP @ 400 psi BWD RU vac trk to csg to hold a vac TOO H w/188 jts of tbg & SN & NC TIH w/3-1/2"x31'.50" MJ w/ BP x over PS SN 8 jts of 2-7/8" tbg 2-7/8"x 5-1/2" TAC & 186 more jts of tbg ND BOP set TAC w/14 pts pulled in tension NU BHF RU equip to run rods PU & RIH w/BHA & rods PU subs & PR seat pmp spaced well out LS well showed good pmp action pmp up to 500 psi in 4 stocks left well dn no pmp unit on loc RD PU turn well over to production@ 5:30 PM

CASING DETAIL AND CEMENTING REPORT

Well:	TARANTULA 3 FED 2	Field	JUSTIS	County	LEA	State:	N.M.	
Total depth:	1105	Bit Size:	12.25	Avg Hole size:		Mud wt:	F/W	

String detail (list each item in order run)									
Length	Cum Length	No Jts	OD	Description	Mfg	Wt	Grade	Threads	Cond
0.7	0.7	1	8.875	SHOE	weatherford			STC	NEW
43.03	43.73	1	8.626	CASING	MAVERICK	24	J55	STC	NEW
1.42	45.15	1	8.875	FLOAT	weatherford			STC	NEW
1059.85	1105	25	8.625	CASING	MAVERICK	24	J55	STC	NEW
	1105								
	1105								
	1105								
	1105								
	1105								
MINUS	10	Total length							
PLUS	10	Cut-off							
	1105	RIG KB							
		Setting depth							
Wt of csg string in mud:		26000							
Wt of csg set on slips:									

Cement used		Cementing company:					Design
Stage	No. sacks	Cement type and additives	PPG	YIELD	BBLS	BPM	TOC
SPACER		FRESH WATER	8.4		20	8	
LEAD	320	35/65 POZ;C+6% D020+5%(BWOW) D44 + 0.25pps D029	12.8	1.93	110	7	SURF
TAIL	290	C+1% S001 + 0.25 pps D029	14.2	1.32	68	7-Jan	
Displacement		FRESH WATER	8.4		68		
STAGE 2	IF APPLICABLE						
					0		
					0		
Displacement							

Full circ (Y/N):	Y	Pipe reciprocated?	Y
Cement to Surface	Y	Pipe rotated?	N
Bbls to Surface	17	Float held (Y/N):	Y
		Plug bumped (Y/N):	Y

Centralizer and scratcher placement (type, depth and amount):	
1 CENT 5' ABOVE SHOE WITH LIMIT CLAMP , 1 CENT 1016 , 847 , 717 , 588 , 462 , 333 , 207	

Casing on location NOT RUN							
Length	No Jts	OD	Description - Mfg	Wt	Grade	Threads	Cond
43.26	1	8.625	MAVERICK	24	J55	STC	NEW
42.49	WONT DRIFT	8.625	MAVERICK	24	J55	STC	NEW

Remarks:	
WILL MOVE EXCESS CASING TO NEW LOCATION WITH RIG	

Reported by: GENE CUTRELL	Date: 6/24/2006
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CASING DETAIL AND CEMENTING REPORT

Well:	ARANTULA 3 FED	Field	JUSTIS	County	LEA	State:	N.M.
Total depth:	6578	Bit Size:	7.875	Avg Hole size:		Mud wt:	10.1

String detail (list each item in order run)									
Length	Cum Length	No Jts	OD	Description	Mfg	Wt	Grade	Threads	Cond
1.25	1.25	1	6.050	SHOE	weatherford			LTC	NEW
43.02	44.27	1	5.500	CASING	MAVERICK	17	J55	LTC	NEW
1.15	45.42	1	6.050	FLOAT	weatherford			LTC	NEW
1857.25	1902.67	44	5.500	CASING	MAVERICK	17	J55	LTC	NEW
2.25	1904.92	1	6.050	STAGE TOOL	weatherford			LTC	NEW
4673.48	6578.4	110	5.500	CASING	MAVERICK	17	J55	LTC	NEW
	6578.4								
	6578.4								
	6578.4								
	6578.4								
MINUS	10	Total length							
PLUS	10	Cut-off							
	6578.4	RIG KB							
		Setting depth							
Wt of csg string in mud:		110000							
Wt of csg set on slips:		110000							

Cement used		Cementing company:		SCHLUMBERGER					Design
Stage	No. sacks	Cement type and additives		PPG	YIELD	BBLS	BPM		TOC
SPACER		FRESH WATER		8.4		20	8		
1st STAGE	400	50:50 POZ:CLASS C + 2% D20+5% D44+0.1pps D130+0.2% D48+0.2% D167+4pps D42		14.2	1.37	98	7		SERF
Displacement		FRESH WATER		8.4		68			
STAGE 2	IF APPLICABLE								
SPACER		FRESH WATER		8.4		30			
2nd STAGE	900	50/50 POZ C + 10% D020+5% (BWOW) D044+0.1 pps D130+0.2% D046		12	2.39	383	7		4673
Displacement		FRESH WATER		8.4		108	6		

Full circ (Y/N):	Y	Pipe reciprocated?	Y
Cement to Surface	Y	Pipe rotated?	N
Bbls to Surface	19	Float held (Y/N):	Y
		Plug bumped (Y/N):	Y

Centralizer and scratcher placement (type, depth and amount):

1 CENT 5' ABOVE SHOE W/ LIMIT CLAMP @ 6573 , 1 CENT 5' ABOVE FLOAT @ 6527 , 1 ON EACH COLLAR TO 5732 , 1 ON EVERY OTHER COLLAR TO 4803 , 1CENT 5' BELOW STAGE TOOL @ 4670 W/ LIMIT CLAMP , 1 CENT 5' ABOVE STAGE TOOL @ 4678 , 1 CENT EACH ON EVERY OTHER COLLAR FROM 4504 TO 3277 , 1 CENT @ 1098 , 1 CENT @ 1013

Casing on location NOT RUN									
Length	No Jts	OD	Description - Mfg	Wt	Grade	Threads	Cond		
167.67	4	5.5	MAVERICK	17	J55	LTC	NEW		

Remarks:

WILL MOVE EXCESS CASING TO NEW LOCATION WITH RIG

Reported by: GENE CUTRELL	Date: 7/4/2006
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