

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. CC032592A
2. Name of Operator Range Operating New Mexico, Inc. (227588)		6. If Indian, Allottee or Tribe Name N/A
3a. Address 777 Main Street Suite 800 Fort Worth, TX 76102	3b. Phone No. (include area code) 817-810-1908	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) At Surface: 990' FNL & 330' FEL Sec. 3, T25S, R37E At Proposed Prod. Zone: 990' FNL & 330' FEL Sec. 3, T25S, R37E		8. Well Name and No. Trantula 3 Federal #1 (35881)
		9. API Well No. 30-025-33928
		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			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input 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 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 on 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.)

TD 6606

1. RUPU, unload 215 jts of 2-7/8" 6.5 J55 8rd tbg, 6733.93'. TIH w/ 4-3/4" bit, bit sub, 4-3-1/2" DC, 121 jts, tag up on cmt @ 3904 DVT @ 3944. Drill DVT out. Reamed thru tool 10 timer. Pick up 3 jts of tbg. Circ hole.

2. Cont in hole w/ tbg. Tag btm at 6523.30'. Circ hole clean w/ 2% KCL wtr. Pmp 160 bbls. POOH w/ tbg. Clean out reverse pit. Release reverse unit. LD collars & bit. ND BOP. ND 3M tbg head. Install sm tbg head, 7-1/16 SM frac vlv, BOP & loggers. Pack off. RU loggers. GIH w/ logging tool. Tops of cmt GIH @ 2350' & 4340'. Loggers TD 6508'. Tie in to open hole logs. Run CBL w/ gamma ray & collar loc. Ran repeat section from btm (TI) to 6000' w/ '0' pressure. Ran main pass w/ 1000 psi on csg. Ran log from TD to 3500'. POOH. LD logging tool. Shut frac vlv. Pressure up on csg to 5000 psi. Held ok. (No change in log under pressure).

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

01/10/2006

**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)

*K*

3. PU perf gun. GIH. Tie into CBL. Perf Drinkard 6414-6415.5 & 6400-6401.5 w/ 6 holes total. POOH. Shut frac vlv. Pressure up on perf. Perf broke at 4500 psi. pmp 20 bbls of 2% KCL wtr at following rates & pressures: 1.7 bbls. Min at 1500 psi. 21 bbls/ min at 1600 psi, 3.8 bbls/ min at 1700 psi. ISD pin 00 psi 800-5 min, 725-10 min, 700-15 min, 675-20 min, 650-25 min, 625-30 min. bled 3 bbls back. Open frac vlv. GIH w/ pkr, 2-7/8" SN, 204 jts to 6379'. Set pkr. RU PetroPlex pmp 1000 gal of 15% HCL w/ iron control (NEFE). Pmp acid at 6.2 bbls/ min at 2490 psi. ISIP 1400. 5 min 1129 psi, 10 min 1060 psi, 15 min, 1016 psi, 20 min 9990, 25 min 967 30 min 948 psi. RD perplex flow well to pit for 40 min, RU & swab well to tnk. Total load 119 bbls.
4. Release pkr. POOH w/tbg, LD pkr.
5. MIRU Schlumberger. GIH w/ perf gun. Perf 6292-6295, 6191-96, 6114-6116' 18 holes- 2 SPF. RD Schlumberger. ND BOP. NU frac cross & top frac vlv. SWI. Lead csg w/ 46 bbls of 2% KCL. H<sub>2</sub>O release. PU crew builds tnk btry. Set 6<sup>th</sup> 500 bbl tst tnk.
6. MIRU Schlumberger & frac Drinkard perf – 6114-6415.5. break dn 1339 psi. 3000 gal 15% NEFE 7300 gal Slick wtr flush 10 min SD = 860 psi. ISIP 1050  
32000 gal 30# XL Pad  
6000 gal 25# x LW/ 1 ppg 20/40 Ottawa  
8000 gal 25# x LW/ 2 ppg 20/40 Ottawa  
10000 gal 25# x LW/ 3 ppg 20/40 Ottawa  
11000 gal 25# x LW/ 4 ppg 20/40 Ottawa  
10000 gal 25# x LW/ 5 ppg 20/40 super LC  
9000 gal 25# x LW/ 6 ppg 20/40 super LC  
5900 gal Slick wtr flush  
ISIP = 1336, AIR 45 BPM, ATP 1700 psi, LTR – 2523 bbls, 5 min SIP =  
972 10 min SIP – 870 psi check pressure – pressure 720 psi. open well.
7. ND frac vlv. ND 5 MTH. NU 3 MTH. NU BOP PU blade bit & bailor. GIH w/ tbg 12 stands of chamber. Tag up at 6434'. Bail sand to TD. PU 10 stands. SD for 1 hr 30 min. Lufkin started setting RM 320D-256-120 pmp unit. GIH check TD approx 3' of fill. POOH w/ tbg. LD bailor. Clean out tbg
8. Open up BOP. No pressure. GIH w/ 12 jts. LD 12 jts. GIH w/ 3 jts & bull plug. 945' Desander 20.0' 6' sub, SN 1.10, 10 jts, 315.4' TAC 3.0', 183 jts, 5713.26 KB 12, ND BOP. Set TAC w/ 18,000# tension. NU tbg bonnet.
9. GIH w/ 2-1/2"x2"x20' rod pmp. 1-2"x7/8" pony, 6-1-1/2" sinker bars. 102-3/4" rods, 132-7/8" rods, 1-26"x1-1/4" polish rod w/ 12' liner. Space out pmp. Hang well on. Good pmp action. Well pmp up in 30 min. RD released PU. Put on production 12-21-05.

## CASING DETAIL AND CEMENTING REPORT

Well:	Tarantula 3 Fed #1	Field	Justis	County	Lea	State: NM
Total depth:	1125	Bit Size:	12.25	Avg Hole size:		Mud wt: 9

  

String detail (list each item in order run)									
	Cum Length	No Jts	OD	Description	Mfg	Wt	Grade	Threads	Cond
0.82	0.82	1	8.875	SHOE	weatherford			STC	NEW
43.28	44.1	1	8.625	CASING	MAVERICK	24	J55	STC	NEW
1.53	45.63	1	8.875	FLOAT	weatherford			STC	NEW
1095.73	1141.36	25	8.625	CASING	MAVERICK	24	J55	STC	NEW
	1141.36								
	1141.36								
	1141.36								
	1141.36								
	1141.36								
	1141.36	Total length							
MINUS	16.5	Cut-off							
PLUS		RIG KB							
	1124.86	Setting depth							
Wt of csg string in mud:		25500							
Wt of csg set on slips:		N/A							

  

Cement used		Cementing company:						Design
Stage	No. sacks	Cement type and additives		PPG	YIELD	BBLS	BPM	TOC
SPACER		FRESH WATER		8.4		20	4.7	SURF
LEAD	320	35/65 Poz;C+ 6 % D020+ 5 % (BWOW) D44 + 0.25pps D029		12.8	1.94	111	4	
TAIL	290	C + 1 % S001 + 0.25 pps D029		14.8	1.32	68	3-Jan	
Displacement								
STAGE 2	IF APPLICABLE							
SPACER								
						0		
						0		
Displacement								

  

Full circ (Y/N):	Y		Pipe reciprocated?	N
Cement to Surface	45 SKS		Pipe rotated?	N
Bbls to Surface	16		Float held (Y/N):	Y/N
			Plug bumped (Y/N):	Y

  

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

1 CENT @ 1090.90 W/LIMIT CLAMP / 1 CENT ON 2/3 COLLAR @ 1036.12,993.39 / 1 @ 906.72 / 820.41 / 691.93 / 562.44 / 475.64 / 389.30 / 302.82 / 216.64 / 87.09 / 43.82 TOTAL 13 & 1 LIMIT CLAMP

  

Casing on location NOT RUN							
Length	No Jts	OD	Description - Mfg	Wt	Grade	Threads	Cond
43.06	1	8.625	MAVERICK	24	J55	STC	NEW

  

**Remarks:**

TOP OF SHOE @ 1124.18 / TOP OF FLOAT COLLAR @ 1079.37 / CEMENT IN PLACE & PLUG DOWN @ 11:45 PM MDT 11/07/05

BUMP PLUG W/500 PSI / HELD ( WHILE RIGGING DOWN SCHLUMBERGER CASING STARTED TO FLOW BACK , SHUT IN CEMENT HEAD. CIRC. 45 SKS OF GOOD CEMENT. WILL MOVE EXTRA JOINT W / RIG , USE ON NEXT WELL

  

Reported by: <span style="border: 1px solid black; padding: 2px;">GENE CUTRELL</span>	Date: <span style="border: 1px solid black; padding: 2px;">11/10/2005</span>
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## CASING DETAIL AND CEMENTING REPORT

<b>Well:</b> Tarantula 3 Fed #1		<b>Field:</b> Justis		<b>County:</b> Lea		<b>State:</b> NM			
<b>Total depth:</b> 6606		<b>Bit Size:</b> 7 7/8		<b>Avg Hole size:</b>		<b>Mud wt:</b> 10.1			
<b>String detail (list each item in order run)</b>									
Length	Cum Length	No Jts	OD	Description	Mfg	Wt	Grade	Threads	Cond
1.3	1.3	1	6.050	SHOE	weatherford			LTC	NEW
85.2	86.5	2	5.500	CASING	MAVERICK	17	M80	LTC	NEW
1.1	87.6	1	6.050	FLT COLLAR	weatherford			LTC	NEW
2572.16	2659.76	63	5.500	CASING	MAVERICK	17	M80	LTC	NEW
2.12	2661.88	1	6.050	STAGE TOOL	weatherford			LTC	NEW
3945.93	6607.81	93	5.500	CASING	MAVERICK	17	M80	LTC	NEW
	6607.81								
	6607.81								
	6607.81								
	6607.81								
MINUS	1.81	Total length							
PLUS		Cut-off							
		RIG KB							
	6606	Setting depth							
Wt of csg string in mud:		92000							
Wt of csg set on slips:									
<b>Cement used</b>		<b>Cementing company:</b>						<b>Design</b>	
Stage	No. sacks	Cement type and additives		PPG	YIELD	BBLs	BPM	TOC	
SPACER		F/W		8.34		20	7.2		
1st STAGE	600	C+2%D20+5%D44+0.1ppsD130+0.2%D167+4ppsD42+0.1%D13		14.2	1.39	149	7.4	3940	
						0			
Displacement		60BBLs F/W -- 91 BBLs B/W MUD		10.1		151	5.1		
STAGE 2	IF APPLICABLE								
2nd STAGE	390	50:50 POZ:C+10%D20+5%(BWOW) D44+0.1ppsD130+0.2% D46		12	2.42	168	7.5	5606	
						0			
Displacement		F/W		8.34		91	8.28		
Full circ (Y/N):		Y		Pipe reciprocated?				Y	
Cement to Surface		NO		Pipe rotated?				NO	
Bbls to Surface		0		Float held (Y/N):				Y	
				Plug bumped (Y/N):				Y	
<b>Centralizer and scratcher placement (type, depth and amount):</b>									
1 CENT 5' ABOVE SHOE W/ LIMIT CLAMP / 1CENT ON NEXT COLLAR / 1 CENT 5' BELOW FLOAT COLLAR / 1 PER JT TO JT # 43 (1808'0									
1 EVERY OTHER JT F/45-55 / 1 CENT JT 58 / 1 CENT 5' BELOW DV TOOL W/ LIMIT CLAMP / 1 CENT 5' ABOVE DV TOOL W/LIMIT CLAMP									
1 CENT EVERY 4 JTS 84 - 130 1104 .14'									
<b>Casing on location NOT RUN</b>									
Length	No Jts	OD	Description - Mfg	Wt	Grade	Threads	Cond		
233.67	6	5.5	MAVERICK	17	M80	LTC	NEW		
<b>Remarks:</b>									
TOP OF SHOE @ 6604.70 / TOP OF FLOAT COLLAR @ 6518.40 / TOP OF DV TOOL @ 3944.12									
Reported by: GENE CUTRELL				Date: 12/8/2005					

**HALLIBURTON**

**MONOPOLE - FWS  
COMPRESSIONAL &  
SHEAR DELTA-T**

**COMPANY** RANGE OPERATING NM, INC.  
**WELL** TARANTULA "3" FEDERAL No. 1  
**FIELD** JUSTIS (BLINEBRY-TUBB-DRINKARD)  
**COUNTY** LEA  
**STATE** NM

**Location:** 990' FNL AND 330' FEL

**Elevations:** K.B.: 3183 R.T.: 3182 G.L.: 3171

Date Processed	07-DEC-05	Logs Processed	FWS,SD-DSN,DLL-
Job Number	W20051607	Date Logged	05-DEC-05
Interval Processed	4508'-6580'	Type Fluid In Hole	BRINE
Processed By	K. FUCHS	Location	HOBBS
Processed At	MIDLAND		

--- COMPUTER PROCESSED PRODUCT ---