Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
DEC 23 2019
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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

5. Lease Serial No.
NMNM138876

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
RODNEY ROBINSON FEDERAL 101H

2. Name of Operator
MATADOR PRODUCTION COMPANY
Contact: NICKY FITZGERALD
E-Mail: nicky.fitzgerald@matadorresources.com

9. API Well No.
30-025-46278-00-X1

3a. Address
5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)
Ph: 972-371-5448 Ext: 5448

10. Field and Pool or Exploratory Area
PRONGHORN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 6 T23S R33E 240FNL 827FWL
32.340412 N Lat, 103.617096 W Lon

11. County or Parish, State
LEA COUNTY, NM

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
☐ Subsequent Report	☒ Alter Casing	☐ Hydraulic Fracturing	☐ 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 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.

BLM Bond No. NMB001079
Surety Bond No. RLB0015172

Carlsbad Field Office
OCD Hobbs

For the following well Rodney Robinson Federal #101H, API # 30-025-46278. Matador is proposing a intermediate casing change for the 9-5/8? 40# J-55 casing with a planned set depth of 5047?. Matador plans to run 9-5/8? 40# HC-P110 BTC (spec sheet attach) at a new casing set depth of 9,000?. Matador is also proposing to change the mud program for the intermediate hole section. The mud program would change to 9.5 to 10.2 PPG Saturated Brine to 8.6 to 8.8 OBM for the intermediate hole section. The deeper intermediate will require a DV stage tool placed at 5000? (updated cement design included).

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #493039 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/21/2019 (20PP0424SE)

Name *(Printed/Typed)* JAMES LONG — Title SENIOR DRILLING ENGINEER

Signature (Electronic Submission) — Date 11/19/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By NDUNGU KAMAU — Title PETROLEUM ENGINEER — Date 12/03/2019

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #493039 that would not fit on the form

32. Additional remarks, continued

Please email all questions to James Long, jlong@matadorrecources.com

Revisions to Operator-Submitted EC Data for Sundry Notice #493039

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	CSG-ALTER NOI	CSG-ALTER NOI
Lease:	NMNM138876	NMNM138876
Agreement:		
Operator:	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240 Ph: 972-371-5448	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200
Admin Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Cell: 972-371-5448 Ph: 972-371-5448 Ext: 5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Cell: 972-371-5448 Ph: 972-371-5448 Ext: 5448
Tech Contact:	JAMES LONG SENIOR DRILLING ENGINEER E-Mail: jlong@matadorrecources.com Ph: 972-371-5449	JAMES LONG SENIOR DRILLING ENGINEER E-Mail: jlong@matadorrecources.com Ph: 972-371-5449
Location: State: County:	 NM LEA COUNTY	 NM LEA
Field/Pool:	RED TANK	PRONGHORN
Well/Facility:	RODNEY ROBINSON FEDERAL 101H Sec 6 T23S R33E Mer NMP 240FNL 827FWL 32.340411 N Lat, 103.617096 W Lon	RODNEY ROBINSON FEDERAL 101H Sec 6 T23S R33E 240FNL 827FWL 32.340412 N Lat, 103.617096 W Lon

EVRAZ 9-5/8" 40# HC-P110

High Collapse P110; Seamless

Pipe Body Geometry

Outside Diameter	9.625	in
Wall Thickness	0.395	in
Nominal Linear Mass (T&C)	40.00	lb/ft
Plain End	38.97	lb/ft
Inside Diameter	8.835	in
Drift Diameter	8.679	in
Alternate Drift Diameter	8.750	in

Pipe Body Performance

Grade	HC-P110	
Yield Strength Minimum	110,000	psi
Tensile Strength Minimum	125,000	psi
Plain End Pipe Body Yield	1,260	1,000 lbf
Collapse Resistance [1]	4,100*	psi
Internal Yield [2]	7,900	psi
Ductile Rupture (Burst) [3]	8,980	psi

Connection Geometry

	LC		BC	
Coupling Outside Diameter	10.625	in	10.625	in
Coupling Minimum Length	10.500	in	10.625	in
Connection ID Type	Non-flush		Non-flush	
Make-up Loss	4.750	in	4.813	in
API Compatible	Yes		Yes	

Connection Performance

		LC		BC	
Threaded and Coupled Joint Strength		988	1,000 lbf	1,266	1,000 lbf
Efficiency		69	%	88	%
Internal Presssure		7,900	psi	7,900	psi
Make-up Torque [4][5]	optimum	9,880	lb·ft	Not available	lb·ft
	minimum	7,410	lb·ft	Not available	lb·ft
	maximum	12,350	lb·ft	Not available	lb·ft

Notes

[1]*Based on 8 x OD collapse testing in accordance with API 5C3 Annex I.

[2]The internal yield is calculated using API 5C3 Equation (10).

[3]This is an absolute limit and not safe work limit. Calculated based on API 5C3 Equation (14).

[4]For LC or SC, The values of optimum make-up torque was calculated as 1 % of the calculated joint pull-out strength as determined from API 5C3 Equation (55).

[5]For BC, data is not availabe from API for this size and grade combination. Torque must be verified by triangle position.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Intermediate 1	12.25	Brine Water	1277-5047	9.5 - 10.2	28-30	NC
Production	8.75	FW/Cut Brine	5047-19948	8.6 - 9.4	28-30	NC

Proposed Mud Program

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Intermediate 1	12.25	OBM	1277-9000	8.6- 8.8	28-30	NC
Production	8.75	Cut Brine or OBM	9000-19948	8.6 - 9.4	28-30	NC

Permitted Casing Program

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Intermediate 1	12.25	0 - 5047	0 - 5047	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	8.75	0 - 19984	0 - 9839	5.5	20	P-110	Tech Lok Wedge	1.125	1.125	1.8

Proposed Casing Program

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Intermediate 1	12.25	0 - 9000	0 - 9000	9.625	40	HC-P110	BUTT	1.125	1.125	1.8
Production	8.75	0 - 19984	0 - 9839	5.5	20	P-110	Tech Lok Wedge	1.125	1.125	1.8

Permitted Cement Program

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Intermediate 1	Lead	940	2.13	1996	12.6	50%	0	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	370	1.38	504	14.8	50%	4047	C	5% NaCl + LCM
Production	Lead	540	2.22	1203	11.5	25%	4847	H	Fluid Loss + Dispersant + Retarder + LCM
	Tail	2650	1.35	3576	13.2	25%	8692	H	Fluid Loss + Dispersant + Retarder + LCM

Proposed Cement Program

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Intermediate 1	2nd Stage	1387	1.85	2566	12.8	100%	0	C	5% NaCl + LCM
	1st Stage Lead	727	2.76	2007	11	100%	4000	TXI	Viscosifier + Extender + Retarder + LCM
	1st StageTail	846	1.37	1159	13.2	100%	7200	TXI	Fluid Loss + Dispersant + Retarder + LCM
Production	Lead	540	2.22	1203	11.5	25%	4847	H	Fluid Loss + Dispersant + Retarder + LCM
	Tail	2650	1.35	3576	13.2	25%	8692	H	Fluid Loss + Dispersant + Retarder + LCM