

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

Carlsbad Field Office
OCD Hobbs

Project No.
NMMN-18726
Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
ANTIETAM 9 FED COM 702H

2. Name of Operator
EOG RESOURCES INCORPORATED
Contact: STAN WAGNER
E-Mail: stan_wagner@eogresources.com

9. API Well No.
30-025-43478-00-X1

3a. Address
MIDLAND, TX 79702

3b. Phone No. (include area code)
Ph: 432-686-3689

10. Field and Pool or Exploratory Area
WC025G09S253509D-UPPER WC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 9 T25S R33E NWNW 59FNL 378FWL
32.152195 N Lat, 103.584541 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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 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.

EOG Resources, Inc. requests an amendment to our approved APD for this well to reflect a change in the production casing design.

Change casing to: 5-1/2", 20#, P-110CYHP Ultra DQX (0'-10,400') and 5-1/2", 23#, P-110IC HydriI 521 (10,400'-TD).

Spec sheets attached.

-All previous COAs still apply. Additional COA is not required.

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

Electronic Submission #381177 verified by the BLM Well Information System For EOG RESOURCES INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 07/20/2017 (17PP0508SE)

Name (Printed/Typed) STAN WAGNER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 07/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Mustafa Haguel Title **PETROLEUM ENGINEER 2017** Date **8-4-2017**

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 **CFO BUREAU OF LAND MANAGEMENT CARLSBAD 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) **** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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TMK UP ULTRA™ DQX
Technical Data Sheet

5.500 in

20.00 lbs/ft

P110 CYHP

Tubular Parameters

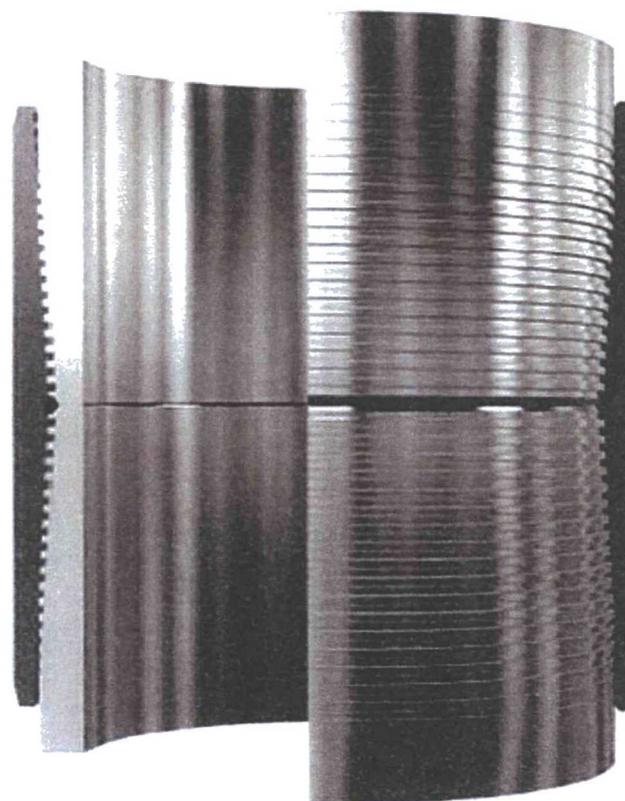
Size	5.500	in	Minimum Yield	125,000	psi
Nominal Weight	20.00	lbs/ft	Minimum Tensile	135,000	psi
Grade	P110 CYHP		Yield Load	729,000	lbs
PE Weight	19.81	lbs/ft	Tensile Load	787,000	lbs
Wall Thickness	0.361	in	Min. Internal Yield Pressure	14,360	psi
Nominal ID	4.778	in	Collapse Pressure	12,780	psi
Drift Diameter	4.653	in			
Nom. Pipe Body Area	5.828	in ²			

Connection Parameters

Connection OD	6.050	in
Connection ID	4.778	in
Make-Up Loss	4.122	in
Critical Section Area	5.828	in ²
Tension Efficiency	100.0	%
Compression Efficiency	100.0	%
Yield Load In Tension	729,000	lbs
Min. Internal Yield Pressure	14,360	psi
Collapse Pressure	12,780	psi
Uniaxial Bending	104	% / 100 ft

Make-Up Torques

Min. Make-Up Torque	12,900	ft-lbs
Opt. Make-Up Torque	14,400	ft-lbs
Max. Make-Up Torque	15,800	ft-lbs
Yield Torque	23,000	ft-lbs



Printed on: June-28-2017

NOTE:

The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply fitness for a particular purpose, which only a competent drilling professional can determine considering the specific installation and operation parameters. Information that is printed or downloaded is no longer controlled by TMK IPSCO and might not be the latest information. Anyone using the information herein does so at their own risk. To verify that you have the latest TMK



April 12 2017



Size: 5.500 in.
Wall: 0.415 in.
Weight: 23.00 lbs/ft
Grade: P110-IC
Min. Wall Thickness: 87.5 %

Connection: Wedge 521™
Casing/Tubing: CAS

PIPE BODY DATA

GEOMETRY					
Nominal OD	5.500 in.	Nominal Weight	23.00 lbs/ft	Standard Drift Diameter	4.545 in.
Nominal ID	4.670 in.	Wall Thickness	0.415 in.	Special Drift Diameter	N/A
Plain End Weight	22.56 lbs/ft				
PERFORMANCE					
Body Yield Strength	729 x 1000 lbs	Internal Yield	14530 psi	SMYS	110000 psi
Collapse	16220 psi				

WEDGE 521™ CONNECTION DATA

GEOMETRY					
Connection OD	5.936 in.	Connection ID	4.620 in.	Make-Up Loss	3.620 in.
Critical Section Area	5.069 sq. in.	Threads per in.	3.36		
PERFORMANCE					
Tension Efficiency	76.5 %	Joint Yield Strength	558 x 1000 lbs	Internal Pressure Capacity	14530 psi
Compression Strength	653 x 1000 lbs	Compression Efficiency	89.6 %	Bending	70 %/100 ft
External Pressure Capacity	16220 psi				
MAKE-UP TORQUES					
Minimum	7000 ft-lbs	Optimum	8400 ft-lbs	Maximum (C)	12300 ft-lbs

OPERATIONAL LIMIT TORQUES

Operating Torque	21000 ft-lbs	Yield Torque	32000 ft-lbs
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