Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
OCD Hobbs

HOBBS OCD
NOV 28 2018
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

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMLC063798
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. CHARLES LING FED COM 213H
2. Name of Operator MATADOR PRODUCTION COMPANY Contact: BRIAN WOOD E-Mail: brian@permitswest.com	9. API Well No. 30-025-45082-00-X1
3a. Address 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 3b. Phone No. (include area code) Ph: 505-466-8120	10. Field and Pool or Exploratory Area WOLFCAMP
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 11 T24S R33E NWNE 596FNL 1937FEL 32.237743 N Lat, 103.540894 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.

Matador requests a change in the Joint type for the following casing specifications. New joint specs are below. Spec sheets for 5.5in and 4.5in casings are attached.

Hole Size: 8.75in; Casing O.D.: 7.0in; MD: 11801-12744; Joint: BTC;

Hole Size: 6.125in: Casing O.D.: 5.5in; MD: 0-11700; Joint: VAM DWC/C-IS MS;

Hole Size: 6.125in; Casing O.D.; 4.5in; MD 11701-17205; Joint: VAM DWC/C-IS HT

All previous COAs still apply.

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

Electronic Submission #441169 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 10/25/2018 (19PP0225SE)

Name *(Printed/Typed)* BRIAN WOOD — Title CONSULTANT

Signature (Electronic Submission) — Date 10/25/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE — Title PETROLEUM ENGINEER — Date 11/05/2018

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)

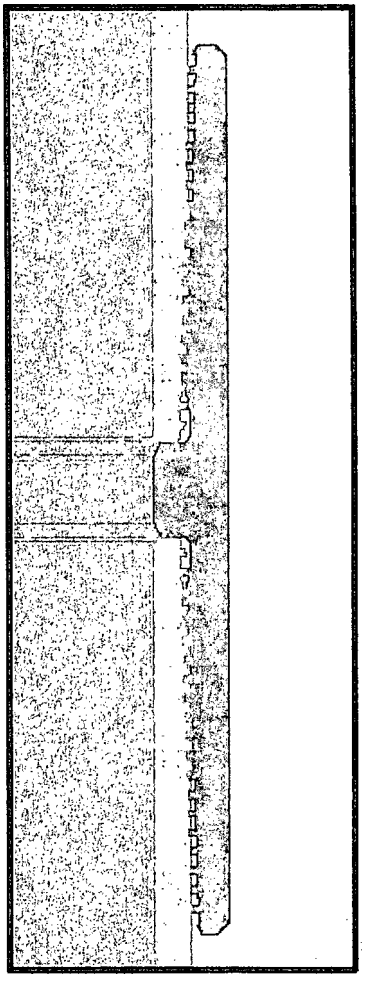
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C-IS MS Casing	5-1/2 in	20.00 lb/ft (0.361 in)	VST P110 EC
standard			

	Material
VST P110 EC	Grade
125,000	Minimum Yield Strength (psi)
135,000	Minimum Ultimate Strength (psi)
	Pipe Dimensions
5.500	Nominal Pipe Body O.D. (in)
4.778	Nominal Pipe Body I.D.(in)
0.361	Nominal Wall Thickness (in)
20.00	Nominal Weight (lbs/ft)
19.83	Plain End Weight (lbs/ft)
5.828	Nominal Pipe Body Area (sq in)
	Pipe Body Performance Properties
729,000	Minimum Pipe Body Yield Strength (lbs)
12,090	Minimum Collapse Pressure (psi)
14,360	Minimum Internal Yield Pressure (psi)
13,100	Hydrostatic Test Pressure (psi)
	Connection Dimensions
6.115	Connection O.D. (in)
4.778	Connection I.D. (in)
4.653	Connection Drift Diameter (in)
4.13	Make-up Loss (in)
5.828	Critical Area (sq in)
100.0	Joint Efficiency (%)
	Connection Performance Properties
729,000	Joint Strength (lbs)
26,040	Reference String Length (ft) 1.4 Design Factor
728,000	API Joint Strength (lbs)
729,000	Compression Rating (lbs)
12,090	API Collapse Pressure Rating (psi)
14,360	API Internal Pressure Resistance (psi)
104.2	Maximum Uniaxial Bend Rating [degrees/100 ft]
	Appoximated Field End Torque Values
16,100	Minimum Final Torque (ft-lbs)
18,600	Maximum Final Torque (ft-lbs)
21,100	Connection Yield Torque (ft-lbs)

VAM USA
4424 W. Sam Houston Pkwy. Suite 150
Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

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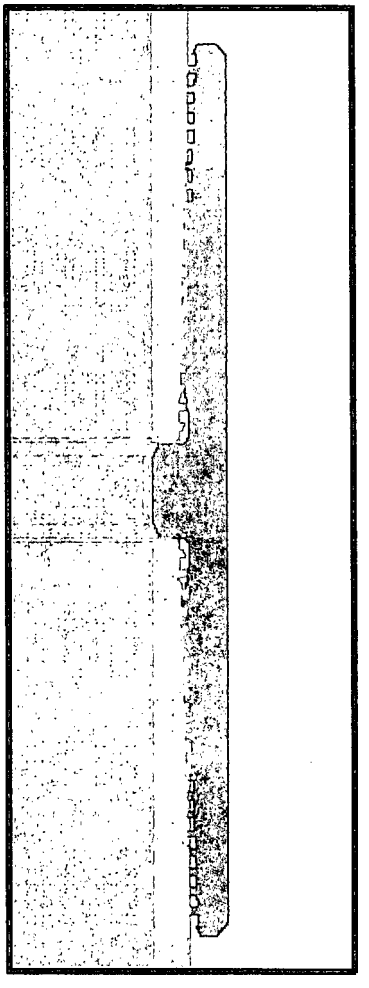
DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.



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Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C-HT-IS Tubing	**4.500in**	**13.50 lb./ft. (0.290in)**	**VST P110EC**

STANDARD

VAM USA
4424 W. Sam Houston Pkwy. Suite 150
Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com

Material

VST P110EC	Grade
125,000	Minimum Yield Strength (psi.)
135,000	Minimum Ultimate Strength (psi.)

Pipe Dimensions

4.500	Nominal Pipe Body O.D. (in.)
3.920	Nominal Pipe Body I.D.(in.)
0.290	Nominal Wall Thickness (in.)
13.50	Nominal Weight (lbs./ft.)
13.05	Plain End Weight (lbs./ft.)
3.836	Nominal Pipe Body Area (sq. in.)

Pipe Body Performance Properties

479,000	Minimum Pipe Body Yield Strength (lbs.)
11,600	Minimum Collapse Pressure (psi.)
14,100	Minimum Internal Yield Pressure (psi.)
12,900	Hydrostatic Test Pressure (psi.)

Connection Dimensions

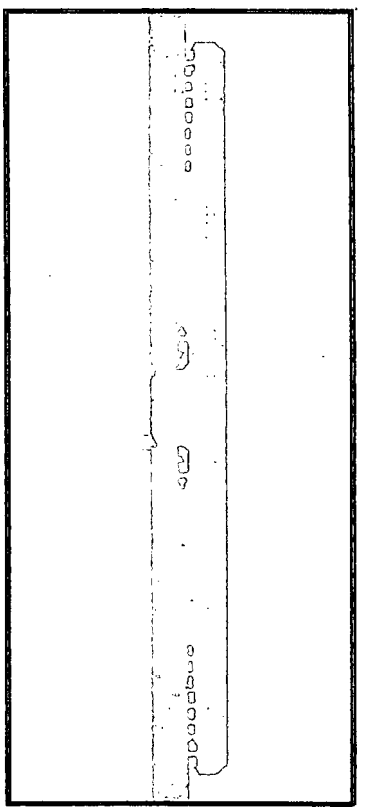
5.000	Connection O.D. (in.)
3.920	Connection I.D. (in.)
3.795	Connection Drift Diameter (in.)
3.94	Make-up Loss (in.)
3.836	Critical Area (sq in.)
100.00	Joint Efficiency (%)

Connection Performance Properties

479,000	Joint Strength (lbs.)
25,340	Reference String Length (ft.) 1.4 Design Factor
482,000	API Joint Strength (lbs.)
479,000	Compression Rating (lbs.)
11,600	Collapse Pressure Rating (psi.)
14,100	API Internal Pressure Resistance (psi.)
127.3	Maximum Uniaxial Bend Rating [degrees/100 ft]

Appoximated Field End Torque Values

8,400	Minimum Final Torque (ft.-lbs.)
9,700	Maximum Final Torque (ft.-lbs.)
12,600	Connection Yield Torque (ft.-lbs.)



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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