

Well Name: LOS VAQUEROS FED	Well Location: T26S / R35E / SEC 30 / NENW / 32.0209796 / -103.4085021	County or Parish/State: LEA / NM
Well Number: 462H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0629320	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002549577	Well Status: Drilling Well	Operator: EARTHSTONE OPERATING LLC

Notice of Intent

Sundry ID: 2757877

Type of Submission: Notice of Intent

Date Sundry Submitted: 10/24/2023

Date proposed operation will begin: 10/24/2023

Type of Action: APD Change

Time Sundry Submitted: 02:45

Procedure Description: Los Vaqueros Fed 462H The Operator respectfully request permission to change the following intermediate casing & cement design from the original design approved in the APD. Please see attached design change.

NOI Attachments

Procedure Description

Los_Vaqueros_Fed_462H_20231024144533.pdf

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Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JENNIFER ELROD
Signed on: OCT 25, 2023 03:14 PM
Name: EARTHSTONE OPERATING LLC
Title: Senior Regulatory Analyst
Street Address: 300 N MARIENFIELD STREET SUITE 1000
City: MIDLAND State: TX
Phone: (940) 452-6214
Email address: JENNIFER.ELROD@PERMIANRES.COM

Field

Representative Name:
Street Address:
City: State: Zip:
Phone:
Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234
BLM POC Email Address: cwalls@blm.gov
Disposition: Approved
Disposition Date: 11/08/2023
Signature: Chris Walls

Los Vaqueros Fed 462H

The Operator respectfully request permission to change the following intermediate casing & cement design to:

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body Tension	SF Joint Tension
	From	To								
9.875"	0	8,000'	7.625"	29.7	L80 HC	BTC	2.23	2.28	2.87	2.87
8.75"	8000	12,000'	7.625"	29.7	ICY P110	MO-FXL	1.76	1.56	13.34	6.29
Casing	# Sks		Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description			
Intermediate	870		10.3	3.65	9.6	8	Lead: 35:65:6 C Blend			
	80		16.4	1.27	6.34	6	Tail: Class H			



API 5CT Casing Performance Data Sheet

Manufactured to specifications of API 5CT 9th edition and bears the API monogram.
Designed for enhanced performance through increased collapse resistance.

Grade	L80EHC
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Pipe Body Mechanical Properties

Minimum Yield Strength	80,000 psi
Maximum Yield Strength	95,000 psi
Minimum Tensile Strength	95,000 psi
Maximum Hardness	23.0 HRC

Sizes

OD	7 5/8 in
Nominal Wall Thickness	0.375 in
Nominal Weight, T&C	29.70 lb/ft
Nominal Weight, PE	29.06 lb/ft
Nominal ID	6.875 in
Standard Drift	6.750 in
Alternate Drift	N/A

Minimum Performance

Collapse Pressure	6,220 psi
Internal Pressure Yield	6,880 psi
Pipe body Tension Yield	683,000 lbs
Internal pressure leak resistance STC/LTC connections	6,880 psi
Internal pressure leak resistance BTC connections	6,880 psi

Inspection and Testing

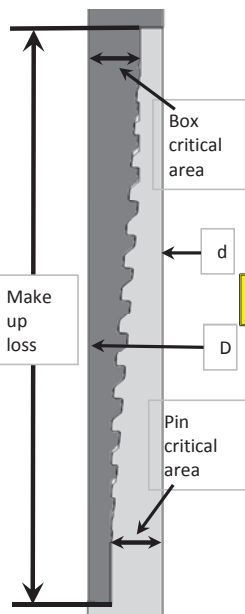
Visual	OD Longitudinal and independent 3rd party SEA
NDT	Independent 3rd party full body EMI after hydrotest Calibration notch sensitivity: 10% of specified wall thickness

Color code

Pipe ends	One white and two blue bands
Couplings	Red with one brown band

Metal One Corp. Metal One	MO-FXL Connection Data Sheet		Page		
			Date	3-Feb-17	
			Rev.	1	

MO-FXL



Geometry	Imperial		S.I.	
Pipe Body				
Grade *1	ICY P110		ICY P110	
Pipe OD (D)	7 5/8	in	193.68	mm
Weight	29.70	lb/ft	44.25	kg/m
Actual weight	29.04		43.26	kg/m
Wall Thickness (t)	0.375	in	9.53	mm
Pipe ID (d)	6.875	in	174.63	mm
Pipe body cross section	8.537	in ²	5,508	mm ²
Drift Dia.	6.750	in	171.45	mm
Connection				
Box OD (W)	7.625	in	193.68	mm
PIN ID	6.875	in	174.63	mm
Make up Loss	4.219	in	107.16	mm
Box Critical Area	5.714	in ²	3686	mm ²
Joint load efficiency	70	%	70	%
Thread Taper	1 / 10 (1.2" per ft)			
Number of Threads	5 TPI			
Performance				
Performance Properties for Pipe Body				
S.M.Y.S. *1	1,067	kips	4,747	kN
M.I.Y.P. *1	10,760	psi	74.21	MPa
Collapse Strength *1	7,360	psi	50.76	MPa
Note S.M.Y.S.= Specified Minimum YIELD Strength of Pipe body M.I.Y.P. = Minimum Internal Yield Pressure of Pipe body *1 Based on Boomerang ICY P110				
Performance Properties for Connection				
Tensile Yield load	747 kips (70% of S.M.Y.S.)			
Min. Compression Yield	747 kips (70% of S.M.Y.S.)			
Internal Pressure	8,610 psi (80% of M.I.Y.P.)			
External Pressure	100% of Collapse Strength			
Max. DLS (deg./100ft)	31			
Recommended Torque				
Min.	15,500	ft-lb	21,000	N-m
Opti.	17,200	ft-lb	23,300	N-m
Max.	18,900	ft-lb	25,600	N-m
Operational Max.	23,600	ft-lb	32,000	N-m
Note : Operational Max. torque can be applied for high torque application				

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The products described in this Connection Data Sheet are not recommended for use in deep water offshore applications. For more information, please refer to http://www.mtlo.co.jp/mo-con/ images/top/WebsiteTerms_Active_20333287_1.pdf the contents of which are incorporated by reference into this Connection Data Sheet.

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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 303416

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 303416
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	2/16/2024