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 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-49630
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease <input checked="" type="checkbox"/> FEDERAL STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator AMEREDEV OPERATING, LLC		6. State Oil & Gas Lease No. 327173
3. Address of Operator 2901 VIA FORTUNA, STE. 600 AUSTIN, TX 78746		7. Lease Name or Unit Agreement Name PAR THREE 25 36 06 FED COM
4. Well Location Unit Letter <u>2</u> : <u>200</u> feet from the <u>NORTH</u> line and <u>1800</u> feet from the <u>EAST</u> line Section <u>6</u> Township <u>25S</u> Range <u>36E</u> NMPM County <u>LEA</u>		8. Well Number 105H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3293' GR		9. OGRID Number 372224
10. Pool name or Wildcat (33813) JAL; WOLFCAMP WEST		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The Ameredev contingency wellbore diagram that was part of the BLM approved drilling permit is attached. (See pages 1-15)

Per the BLM approved contingency plan, Ameredev added a 10-3/4" casing string to 5,408'. (See page 16 for detailed as-drilled wellbore diagram information.)

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Christie Hanna TITLE Regulatory Coordinator DATE 4/29/2024

Type or print name Christie Hanna E-mail address: channa@ameredev.com PHONE: 737-300-4700

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Ameredev Drilling Plan: 3 String with 4 String Contingency

- Contingency plan if losses exceed 50% in the 12-1/4" intermediate interval:
 - Utilize an MB4 wellhead that will enable the conversion of the planned 3 string design to a 4 string design. (Schematic attached.)
 - Displace well with fresh water and drill or condition to run 10-3/4", 45.5# L-80HC SCC (additional fourth string) casing string approximately 125' into the Lamar Limestone, utilizing a DV tool w/ ACP at the Tansill to isolate Capitan Reef and cement to surface.
 - Casing will be tested to 1500 psi or .22 psi/ft, whichever is greater, for 30 minutes with <10% leak off, but will not exceed 70% of the burst rating per Onshore Order No. 2.
- 7-5/8" Casing will be run as planned.
 - Drill remaining hole section to base of Third Bone Spring.
 - Run 7-5/8" 29.7# L-80HC FJM casing.
- Variance Request
 - Run 5-1/2" casing to surface in 6-3/4" open hole on production casing.
 - Cement will be programmed to surface for tie back isolation.



Contingency Wellbore Schematic

Well: Wellname

SHL: SHL

BHL: BHL

Lea, NM

Wellhead: A - 13-5/8" 10M x 13-5/8" SOW

B - 13-5/8" 10M x 13-5/8" 10M

C - 13-5/8" 10M x 13-5/8" 10M

Tubing Spool - 7-1/16" 15M x 13-3/8" 10M

Xmas Tree: 2-9/16" 10M

Tubing: 2-7/8" L-80 6.5# 8rd EUE

Co. Well ID: xxxxxx

AFE No.: xxxx-xxx

API No.: xxxxxxxxxxxx

GL: xxxx

Field: Delaware

Objective: Target Zone

TVD: xxxxx

MD: xxxxx

Rig: TBD KB 27'

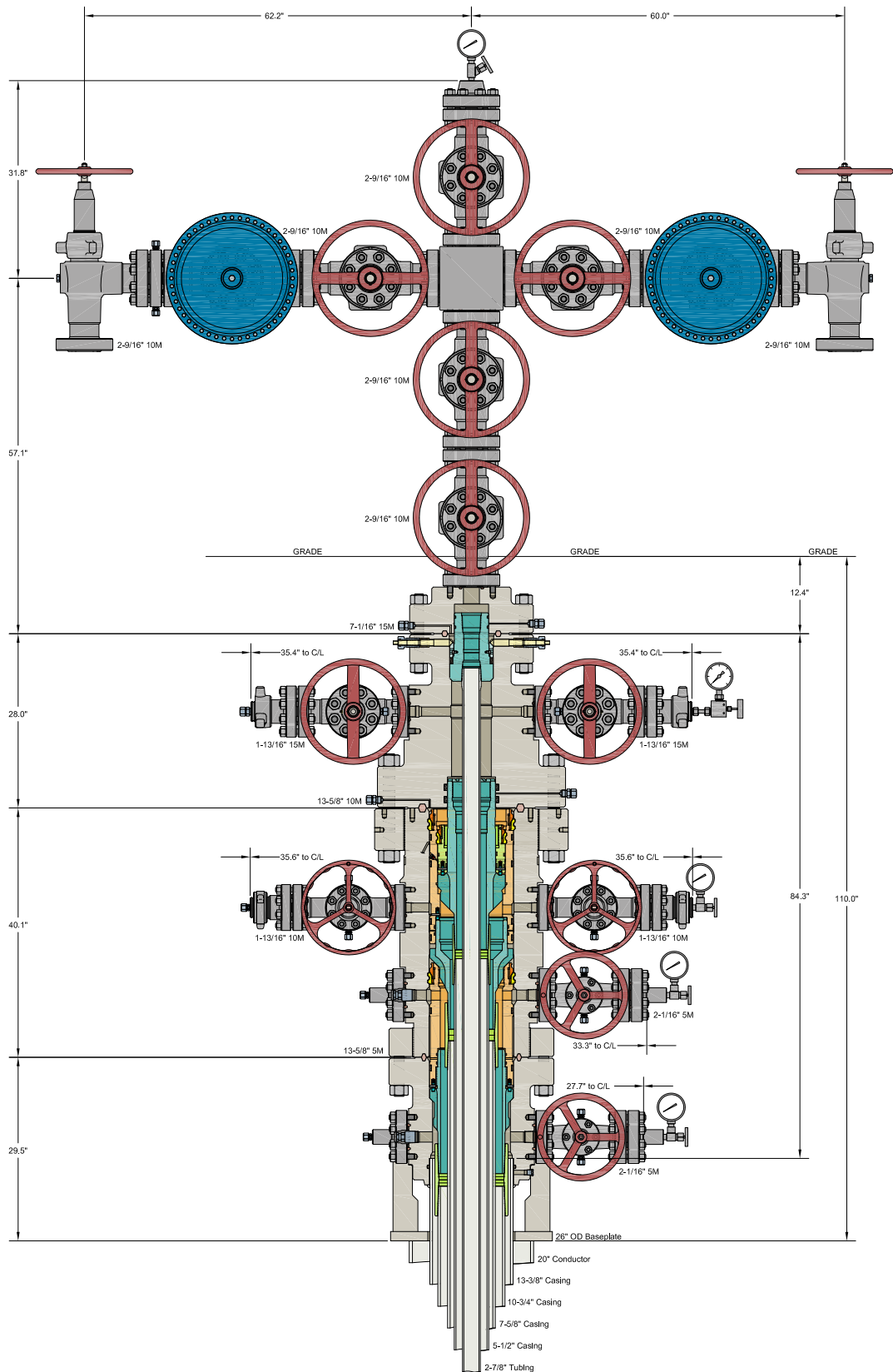
E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops		Logs	Cement	Mud Weight
17.5"	Rustler				8.4-8.6 ppg WBM
	13.375" 68# J-55 BTC	Rustler + 125'			
12.25"	Salado				Fresh Water
	DV Tool with ACP	@ Tansill			
	Tansill				
	Capitan Reef				
	Lamar				
	10.75" 45.5# L-80HC SCC	Lamar + 125'			
9.875"	Bell Canyon				8.5-9.4 Diesel Brine Emulsion
	Brushy Canyon				
	Bone Spring Lime				
	First Bone Spring				
	Second Bone Spring				
	Third Bone Spring Upper				
	Third Bone Spring				
	7.625" 29.7# L-80HC FJM	@ Wolfcamp A			
6.75"	Wolfcamp A				10.5 - 12.5 ppg OBM
12° Build	Wolfcamp B				
	5.5" 23# P-110 USS-EAGLE SFH				
	Target	TVD // MD			

Example Contingency Casing Design and Safety Factor Check

Casing Specifications						
Segment	Hole ID	Depth	OD	Weight	Grade	Coupling
Surface	17.5	1,555'	13.375	68	J-55	BTC
Int #1	12.25	5,248'	10.75	45.5	HCL-80	SCC
Int #2	9.875	11,045'	7.625	29.7	HCL-80	FJM
Prod Segment A	6.75	11,045'	5.5	23	P-110	SFH
Prod Segment B	6.75	21,533'	5.5	23	P-110	SFH

Check Surface Casing				
OD Cplg	Body	Joint	Collapse	Burst
<i>inches</i>	<i>1000 lbs</i>	<i>1000 lbs</i>	<i>psi</i>	<i>psi</i>
14.38	1,069	1,140	1,950	3,450
Safety Factors				
1.56	10.11	10.78	2.41	1.10
Check Int #1 Casing				
OD Cplg	Body	Joint	Collapse	Burst
<i>inches</i>	<i>1000 lbs</i>	<i>1000 lbs</i>	<i>psi</i>	<i>psi</i>
11.25	1040	1063	3130	5210
Safety Factors				
0.50	4.36	4.45	1.00	0.86
Check Int #2 Casing				
OD Cplg	Body	Joint	Collapse	Burst
<i>inches</i>	<i>1000 lbs</i>	<i>1000 lbs</i>	<i>psi</i>	<i>psi</i>
7.625	940	558	6700	9460
Safety Factors				
0.56	2.87	1.98	1.11	1.25
Check Prod Casing, Segment A				
OD Cplg	Body	Joint	Collapse	Burst
<i>inches</i>	<i>1000 lbs</i>	<i>1000 lbs</i>	<i>psi</i>	<i>psi</i>
5.777	728	655	12780	14360
Safety Factors				
0.49	3.13	2.82	1.78	1.90
Check Prod Casing, Segment B				
OD Cplg	Body	Joint	Collapse	Burst
<i>inches</i>	<i>1000 lbs</i>	<i>1000 lbs</i>	<i>psi</i>	<i>psi</i>
5.777	728	655	12780	14360
Safety Factors				
0.49	63.53	57.16	1.69	1.90



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

AMEREDEV
DELAWARE

20" x 13-3/8" x 10-3/4" x 7-5/8" x 5-1/2" x 2-7/8" MBU-4T-SOW Sys.
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And 2-9/16" 10M x 2-9/16" 10M Production Tree Assembly

DRAWN	DLE	17DEC19
APPRV		
DRAWING NO.	HBE0000176	

Example Contingency Cement Calculations

[illegible]

Example Contingency Cement Calculations (Continued)

Stage 1

Lead

Hole Size	Casing Size	Depth	Sacks	Yield	Density
12.25	10.75	5323	353	3.5	9
Bbl/Sk				0.623885918	
bbls				220.1825428	
Stage Tool Depth				N/A	
Top MD of Segment				0	
Bottom MD of Segment				3908	
Cement Type				C	
Additves				Bentonite,Salt,Kolseal,Defoamer,Celloclake	
Quantity (sks)				353	
Yield (cu ft/sk)				3.5	
Density (lbs/gal)				9	
Volume (cu ft)				1,235.22	
Percent Excess				50%	
Column Height				6,569.74	
Target TOC				0	
Calc TOC		-2661.5		bbl	25% Excess
calc vol		0.033514669		178.3985817	222.9982271
				50%	
				267.5978725	

Target %

50%

OK

Stage 1

Tail

Hole Size	Casing Size	Depth	Sacks	Yield	Density
12.25	10.75	5323	200	1.33	14.8
Bbl/Sk				0.237076649	
bbls				47.41532977	
Top MD of Segment				3908	
Bottom MD of Segment				5323	
Cement Type				C	
Additives					
Quantity (sks)				200	
Yield (cu ft/sk)				1.33	
Density (lbs/gal)				14.8	
Volume (cu ft)				266	
Percent Excess				25%	
Column Height				1414.763492	

Example Contingency Cement Calculations (Continued)

Stage 1

Lead

Hole Size	Casing Size	Depth	Sacks	Yield	Density
9.875	7.625	10674	492	2.47	9
Bbl/Sk	0.440285205				
bbls	216.475221				
Stage Tool Depth	N/A				
Top MD of Segment	0				
Bottom MD of Segment	6759				
Cement Type	H				
Additves	Bentonite,Retarder,Kolsekal,Defoamer,Celloflake, Anti-Settling				
Expansion Additive					
Quantity (sk)	492				
Yield (cu ft/sk)	2.47				
Density (lbs/gal)	9				
Volume (cu ft)	1,214.43				
Percent Excess	50%				
Column Height	12,096.47				
Target TOC			0		
Calc TOC	-5337	bbl	25% Excess	50%	
calc vol	0.01789574	191.0191313	238.7739141	286.5286969	

Stage 1

Tail

Hole Size	Casing Size	Depth	Sacks	Yield	Density
8.75	7.625	10674	300	1.31	14.2
Bbl/Sk	0.233511586				
bbls	70.05347594				
Top MD of Segment	6759				
Bottom MD of Segment	10674				
Cement Type	H				
Additves	Salt,Bentonite,Retarder,Dispersant,Fluid Loss				
Quantity (sk)	300				
Yield (cu ft/sk)	1.31				
Density (lbs/gal)	14.2				
Volume (cu ft)	393				
Percent Excess	25%				
Column Height	3914.533571				

Example Contingency Cement Calculations (Continued)

Stage 1 Lead	<table><tr><td>Hole Size</td><td>Casing Size</td><td>Depth</td><td>Sacks</td><td>Yield</td><td>Density</td></tr><tr><td>6.75</td><td>5.5</td><td>21533</td><td>2,011</td><td>1.34</td><td>14.2</td></tr></table>						Hole Size	Casing Size	Depth	Sacks	Yield	Density	6.75	5.5	21533	2,011	1.34	14.2
	Hole Size	Casing Size	Depth	Sacks	Yield	Density												
	6.75	5.5	21533	2,011	1.34	14.2												
	Bbl/Sk				0.23885918													
	bbls				480.4605535													
	Stage Tool Depth				N/A													
	Top MD of Segment				0													
	Bottom MD of Segment				21533													
	Cement Type				H													
	Additves				Salt, Bentonite, Fluid Loss, Dispersant, Retarder, Defoamer													
	Quantity (sks)				2,011													
	Yield (cu ft/sk)				1.34													
	Density (lbs/gal)				14.2													
	Volume (cu ft)				2,695.38													
	Percent Excess				50%													
	Column Height				32,299.50													

PERFORMANCE DATA

API BTC

13.375 in

68.00 lbs/ft

J-55

Technical Data Sheet

Tubular Parameters

Size	13.375	in	Minimum Yield	55,000	psi
Nominal Weight	68.00	lbs/ft	Minimum Tensile	75,000	psi
Grade	J-55		Yield Load	1,069,000	lbs
PE Weight	66.10	lbs/ft	Tensile Load	1,458,000	lbs
Wall Thickness	0.480	in	Min. Internal Yield Pressure	3,500	psi
Nominal ID	12.415	in	Collapse Pressure	1,950	psi
Drift Diameter	12.259	in			
Nom. Pipe Body Area	19.445	in ²			

Connection Parameters

Connection OD	14.375	in
Coupling Length	10.625	in
Threads Per Inch	5.000	in
Standoff Thread Turns	1.000	
Make-Up Loss	4.513	in
Yield Load In Tension	---	lbs
Min. Internal Yield Pressure	3,500	psi

Printed on: February-13-2015

NOTE:
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API 5CT 10.750" 45.50lb/ft HCL80 Casing Performance Data Sheet

Manufactured to specifications of API 5CT 9th edition and bears the API monogram.

Grade	HCL80
-------	-------

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	10 3/4
Nominal Wall Thickness	.400 in
Nominal Weight, T&C	45.50 lb/ft
Nominal Weight, PE	44.26 lb/ft
Nominal ID	9.950 in
Standard Drift	9.794 in
Alternate Drift	9.875 in

Coupling Special Clearance

Size

OD	11.25 in
Min. Length	10.625 in
Diameter of Counter Bore	10.890 in
Width of bearing face	.375 in

Minimum Performance

Collapse Pressure	2,940 psi
Internal Pressure Yield	5,210 psi
Pipe body Tension Yield	1,040,000 lbs
Joint Strength STC	692,000 lbs
Joint Strength LTC	N/A
Joint Strength BTC	1,063,000 lbs

Inspection and Testing

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

Color code

Pipe ends	One red, one brown and one blue band
Couplings	Red with one brown band

OCTG Data Sheet



Type	OD Size	T&C LB/FT	PE LB/FT	Grade
CASING ▼	10.750 ▼	45.50	44.26 ▼	L80 HC ▼

Grade - Material Properties

Minimum Yield Strength:	80.0 ksi
Maximum Yield Strength:	95 ksi
Minimum Tensile Strength:	95 ksi

Pipe Body Data (PE)

Geometry

Nominal ID:	9.950 inch
Wall:	0.400 inch
Nominal Area:	13.006 inch ²
API Drift:	9.794 inch
Alternate Drift:	9.875 inch

Performance

Pipe Body Yield Strength:	1,040 kips
Collapse Resistance:	3,140 psi
Internal Yield Pressure (API Historical):	5,210 psi

Lamé - Internal Yield Pressure

Lamé Open:	5,200 psi
Lamé Capped:	5,810 psi
Lamé Ductile Rupture:	5,530 psi

API Connection Data

STC Internal Pressure:	5,210 psi
STC Joint Strength:	692 kips

LC Internal Pressure:	N/A psi
LC Joint Strength:	N/A kips

BC Internal Pressure:	5,210 psi
BC Joint Strength:	1,063 kips

LC Torque (ft-lbs)

Minimum: N/A Optimum: N/A Maximum: N/A

Disclaimer

This data sheet is for informational purposes only. While every effort has been made to ensure the accuracy of all data and that the information contained herein is correct, this material is presented as a reference guide only. Vallourec assumes no responsibility for the results obtained through the use of this material.

API grades with enhanced performance are supplied with API couplings produced from standard API grades.



U. S. Steel Tubular Products

6/6/2017 6:18:53 PM

7.625" 29.70lbs/ft (0.375" Wall) HCL80 USS-LIBERTY FJM®



MECHANICAL PROPERTIES	Pipe	USS-LIBERTY FJM®	
Minimum Yield Strength	110,000	--	psi
Maximum Yield Strength	140,000	--	psi
Minimum Tensile Strength	125,000	--	psi
DIMENSIONS	Pipe	USS-LIBERTY FJM®	
Outside Diameter	7.625	7.625	in.
Wall Thickness	0.375	--	in.
Inside Diameter	6.875	6.789	in.
Standard Drift	6.750	6.750	in.
Alternate Drift	--	--	in.
Nominal Linear Weight, T&C	29.70	--	lbs/ft
Plain End Weight	29.06	--	lbs/ft
SECTION AREA	Pipe	USS-LIBERTY FJM®	
Critical Area	8.541	5.074	sq. in.
Joint Efficiency	--	59.4	%
PERFORMANCE	Pipe	USS-LIBERTY FJM®	
Minimum Collapse Pressure	6,700	6,700	psi
Minimum Internal Yield Pressure	9,460	9,460	psi
Minimum Pipe Body Yield Strength	940,000	--	lbs
Joint Strength	--	558,000	lbs
Compression Rating	--	558,000	lbs
Reference Length	--	12,810	ft
Maximum Uniaxial Bend Rating	--	39.3	deg/100 ft
MAKE-UP DATA	Pipe	USS-LIBERTY FJM®	
Make-Up Loss	--	3.92	in.
Minimum Make-Up Torque	--	10,800	ft-lbs
Maximum Make-Up Torque	--	15,250	ft-lbs

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness and Specified Minimum Yield Strength (SMYS).
2. Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
4. USS-LIBERTY FJM™ connections are optimized for each combination of OD and wall thickness and cannot be interchanged.
5. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
6. Reference length is calculated by joint strength divided by nominal plain end weight with 1.5 safety factor.
7. Connection external pressure leak resistance has been verified to 100% API pipe body collapse pressure following the guidelines of API 5C5 Cal III.

Legal Notice

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www.usstubular.com

HALLIBURTON

Permian Basin, Ft Stockton

Lab Results- Lead

Job Information

Request/Slurry	2488456/2	Rig Name		Date	18/DEC/2018
Submitted By	Dillon Briers	Job Type	Intermediate Casing	Bulk Plant	
Customer	Ameredev	Location	Lea	Well	

Well Information

Casing/Liner Size	7.625 in	Depth MD	5013 ft	BHST	165°F
Hole Size	8.75 in	Depth TVD	5013 ft	BHCT	130°F

Cement Information - Lead Design

Conc	UOM	Cement/Additive	Cement Properties		
100	% BWOC	NeoCem	Slurry Density	9	lbm/gal
14.68	gal/sack	Heated Fresh Water	Slurry Yield	3.5	ft3/sack
			Water Requirement	14.68	gal/sack

Pilot Test Results Request ID 2488456/1

API Rheology, Request Test ID:35665340

Temp (degF)	300	200	100	60	30	6	3	Cond Time (min)
80 (up)	82	67	49	42	39	36	28	0
80 (down)	82	59	35	26	18	10	9	0
80 (avg.)	82	63	42	34	29	23	19	0

PV (cP) & YP (lbs/100ft2): 61.73 22.32 (Least-squares method)

PV (cP) & YP (lbs/100ft2): 60 22 (Traditional method (300 & 100 rpm based))

Generalized Herschel-Bulkley 4: YP(lbf/100ft2)=20.33 MuInf(cP)=52.39 m=0.81 n=0.81

API Rheology, Request Test ID:35665341

Temp (degF)	300	200	100	60	30	6	3	Cond Time (min)	Cond Temp (degF)
134 (up)	63	47	29	21	15	7	6	30	134
134 (down)	63	46	29	21	14	7	4	30	134
134 (avg.)	63	47	29	21	15	7	5	30	134

PV (cP) & YP (lbs/100ft2): 57.12 7.98 (Least-squares method)

PV (cP) & YP (lbs/100ft2): 51 12 (Traditional method (300 & 100 rpm based))

Generalized Herschel-Bulkley 4: YP(lbf/100ft2)=2.26 MuInf(cP)=30.64 m=0.41 n=0.41

API Fluid Loss, Request Test ID:35665342

Test Temp (degF)	Test Pressure (psi)	Test Time (min)	Meas. Vol.	Calculated FL (<30 min)	Conditioning time (min)	Conditioning Temp (degF)
134	1000	9.12	52	189	30	134

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Free Fluid API 10B-2, Request Test ID:35665343

Con. Temp (degF)	Cond. Time (min)	Static T. (F)	Static time (min)	Incl. (deg)	% Fluid
134	30	80	120	0	0

Pilot Test Results Request ID 2504116/5

Thickening Time - ON-OFF-ON, Request Test ID:35852392

Test Temp (degF)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)	Start Bc
126	5800	40	6:18	16

UCA Comp. Strength, Request Test ID:35852394

End Temp (degF)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)
159	4000	8:55	12:23	456	749	681

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U. S. Steel Tubular Products

5 1/2 20.00 lb (0.361) P110 HP

USS-EAGLE SFH™

	PIPE	CONNECTION	
MECHANICAL PROPERTIES			
Minimum Yield Strength	125,000	125,000	psi
Maximum Yield Strength	140,000	140,000	psi
Minimum Tensile Strength	130,000	130,000	psi
DIMENSIONS			
Outside Diameter	5.500	5.830	in.
Wall Thickness	0.361		in.
Inside Diameter	4.778	4.693	in.
Drift - API	4.653	4.653	in.
Nominal Linear Weight, T&C	19.83		lbs/ft
Plain End Weight	19.83	19.83	lbs/ft
SECTION AREA			
Cross Sectional Area Critical Area	5.828	5.054	sq. in.
Joint Efficiency		86.25	%
PERFORMANCE			
Minimum Collapse Pressure	13,150	13,150	psi
External Pressure Leak Resistance		10,000	psi
Minimum Internal Yield Pressure	14,360	14,360	psi
Minimum Pipe Body Yield Strength	729,000		lbs
Joint Strength		631,750	lbs
Compression Rating		631,750	lbs
Reference Length		21,240	ft
Maximum Uniaxial Bend Rating		89.9	deg/100 ft
MAKE-UP DATA			
Minimum Make-Up Torque		14,000	ft-lbs
Maximum Make-Up Torque		16,900	ft-lbs
Maximum Operating Torque		25,000	ft-lbs
Make-Up Loss		5.92	in.

Notes:

- 1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
- 2) Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
- 3) Uniaxial bending rating shown is structural only, and equal to compression efficiency.
- 4) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
- 5) Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.
- 6) Connection external pressure resistance has been verified to 10,000 psi (Application specific testing).

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Manuel USS Product Data Sheet 2017 rev25 (April)

Wellbore Schematic - AS-DRILLED

Well: Par Three 25 36 06 Federal Com 105H
SHL: Sec. 6, T25S, R36E, 200' FNL & 1800' FEL
BHL: Sec. 07 T25S, R36E, 50' FSL & 2318' FEL
 Lea, NM
Wellhead: A - 13-5/8" 10M x 13-5/8" SOW
 B - 13-5/8" 10M x 13-5/8" 10M
 C - 13-5/8" 10M x 13-5/8" 10M
 Tubing Spool - 7-1/16" 15M x 13-3/8" 10M
Xmas Tree: 2-9/16" 10M
Tubing: 2-7/8" L-80 6.5# 8rd EUE

Co. Well ID: 40577
AFE No.: 2021-085
API No.: 30-025-49630
GL: 3,290'
Field: Delaware
Objective: Wolfcamp A
TVD: 11,757'
MD: 22,308'
Rig: Nabors X12 **KB:** 27.5'
E-Mail: drillingcr@ameredev.com

Hole Size	Formation Tops (MD/TVD)	Cement	Mud Wgt
17.5"	Rustler 1,515' 13.375" 68# L-80BTC 1,608'		8.4-8.6 ppg WBM
12.25"	Salado 2037/2035 Tansill 3483/3478 DV Tool with ACP 3,807' Capitan Reef 3942/3935 Lamar 5258/5246 Bell Canyon 5456/5444 10-3/4" Csg 0-3890' 40.5# K55 BTC, 3890'-5408' 45.5# L80 BTC 5,408'	Lead: 11.0 ppg 860sks 338 bbls; Tail: 14.8 ppg 145 sks 34 bbls, No CTS; 2nd Stage: Lead 12 ppg 780 sks 266 bbls; Tail 14.8 ppg 160 sks 37 bbls - 25 bbls CTS	10.0 ppf Brine Water, Partial Returns beginning @ 4320', 9.0 ppg Cut Brine to Csg Depth
9.875"	Brushy Canyon 7242/7223 Bone Spring Lime 8427/8408 First Bone Spring 9762/9742 Second Bone Spring 10304/10284 Third Bone Spring Upper 10886/10863 7.625" 29.7# L-80HC BTC 11,099'	Lead: 10.5ppg 1000 sks 517 bbls; Tail: 14.2 ppg 270 sks 62 bbls; 168 bbls CTS	8.7 ppg - 9.0 ppg Cut Brine Wtr
6.75" 10 - 23° Build Curve @ 11,130' MD thru 11,973' MD	Third Bone Spring 11419/11396 Wolfcamp A 11670/11603 Survey LTP @ 22258' MD/ 11757' TVD Csg LTP @ 22248' MD/ 11757' TVD 22,308' TD / 5.5" 23# RYSP-110 USS-Eagle SFH 0-11,851'; 23# P-110CY Anaconda 11,851'-22,275'	Lead: 697 sks 246 bbls 12.5 ppg(35% Excess) Tail: 885 sks 202 bbls 14.2 ppg(25% Excess) 100 bbls CTS	11.0-11.4 ppg 70:30 OBM
Marker Jts - 17,460' & 11,340'; Floation Sub - 11,439'			

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

CONDITIONS

Action 338699

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 338699
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	4/29/2024