District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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

Form C-101
August 1, 2011

Permit 331175

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	4323
	3. API Number 30-015-53288

4. Property Code	5. Property Name	6. Well No.
333272	BAILEYS 25 36 STATE COM P44	002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	24	26S	27E		975	S	2286	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	36	26S	27E	L3	50	S	1380	W	Eddy

9. Pool Information

HAY HOLLOW;BONE SPRING	30215

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		Private	3054
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	15278	2nd Bone Spring Sand		12/28/2022
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	450	233	0
Int1	12.25	9.625	40	2140	348	0
Int2	8.75	7	29	7310	467	1940
Prod	6.125	5	18	7550	552	7160
Prod	6.125	4.5	11.6	15278	552	7160

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3500	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Cindy Herrera-Murillo	Approved By:	Katherine Pickford
Title:	Sr. HES Regulatory Affairs Coordinator	Title:	Geoscientist
Email Address:	eeof@chevron.com	Approved Date:	2/7/2023 Expiration Date: 2/7/2025
Date:	12/20/2022 Phone: 575-263-0431	Conditions of Approval Attached	

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1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-53288	30215	HAY HOLLOW; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
333272	BAILEYS 25 36 STATE COM P44	2H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3054'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	24	26 SOUTH	27 EAST, N.M.P.M.		975'	SOUTH	2286'	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L3	36	26 SOUTH	27 EAST, N.M.P.M.		50'	SOUTH	1380'	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
448.31	DEFINING		

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

PROPOSED FIRST TAKE POINT
X = 557,654' (NAD27 NM E)
Y = 371,077'
LAT. 32.020067° N (NAD27)
LONG. 104.147309° W
X = 598,839' (NAD83/86 NM E)
Y = 371,134'
LAT. 32.020190° N (NAD83/86)
LONG. 104.147798° W

PROPOSED MID POINT @ SECTION LINE
X = 557,666' (NAD27 NM E)
Y = 365,861'
LAT. 32.005728° N (NAD27)
LONG. 104.147300° W
X = 598,850' (NAD83/86 NM E)
Y = 365,917'
LAT. 32.005851° N (NAD83/86)
LONG. 104.147789° W

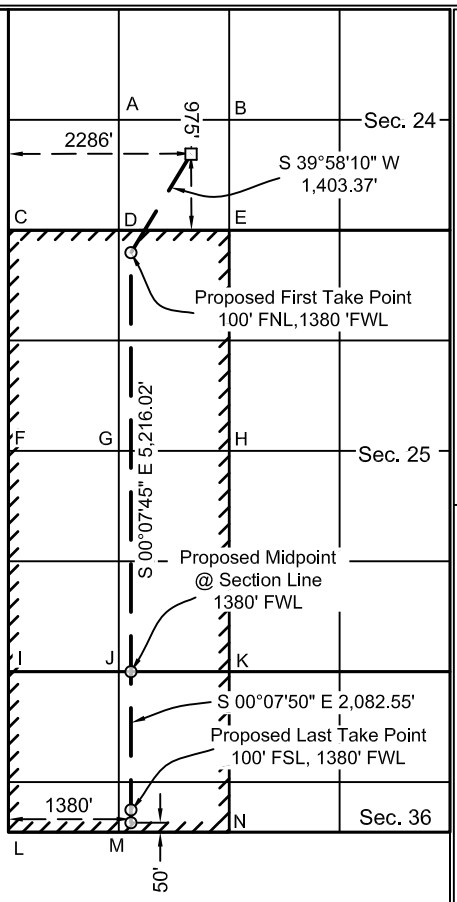
PROPOSED LAST TAKE POINT
X = 557,670' (NAD27 NM E)
Y = 363,828'
LAT. 32.000141° N (NAD27)
LONG. 104.147296° W
X = 598,855' (NAD83/86 NM E)
Y = 363,885'
LAT. 32.000264° N (NAD83/86)
LONG. 104.147785° W

BAILEYS 25 36 STATE COM P44 NO. 2H WELL
X = 558,556' (NAD27 NM E)
Y = 372,152'
LAT. 32.023020° N (NAD27)
LONG. 104.144394° W
X = 599,740' (NAD83/86 NM E)
Y = 372,209'
LAT. 32.023143° N (NAD83/86)
LONG. 104.144884° W
ELEV. 3054' (NAVD88)

CORNER COORDINATES TABLE (NAD 27)

A Y= 372505.46, X= 557593.61
B Y= 372506.31, X= 558918.86
C Y= 371175.65, X= 556273.92
D Y= 371176.61, X= 557598.99
E Y= 371177.56, X= 558924.06
F Y= 368517.37, X= 556279.89
G Y= 368517.74, X= 557605.46
H Y= 368518.10, X= 558930.93
I Y= 365860.83, X= 556285.86
J Y= 365860.65, X= 557611.83
K Y= 365860.47, X= 558937.80
L Y= 363727.24, X= 556290.72
M Y= 363728.07, X= 557616.71
N Y= 363728.90, X= 558942.70

PROPOSED BOTTOM HOLE LOCATION
X = 557,671' (NAD27 NM E)
Y = 363,778'
LAT. 32.000003° N (NAD27)
LONG. 104.147296° W
X = 598,855' (NAD83/86 NM E)
Y = 363,835'
LAT. 32.000126° N (NAD83/86)
LONG. 104.147785° W



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Carol Adler 8/3/2022
Signature Date

Carol Adler
Printed Name

caroladler@chevron.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

06/27/22
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
06/29/2022

Certificate Number

District I
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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

Form APD Comments

Permit 331175

PERMIT COMMENTS

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-015-53288
	Well: BAILEYS 25 36 STATE COM P44 #002H

Created By	Comment	Comment Date
kpickford	Defining Well	1/18/2023

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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

Form APD Conditions

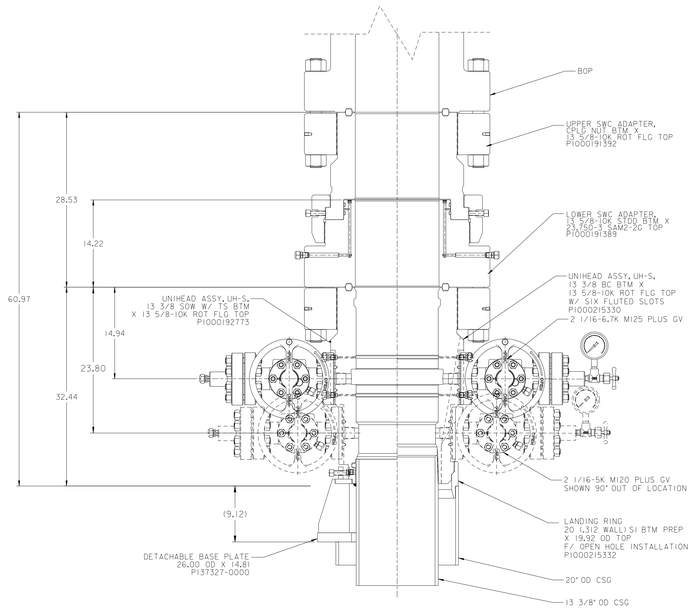
Permit 331175

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-015-53288
	Well: BAILEYS 25 36 STATE COM P44 #002H

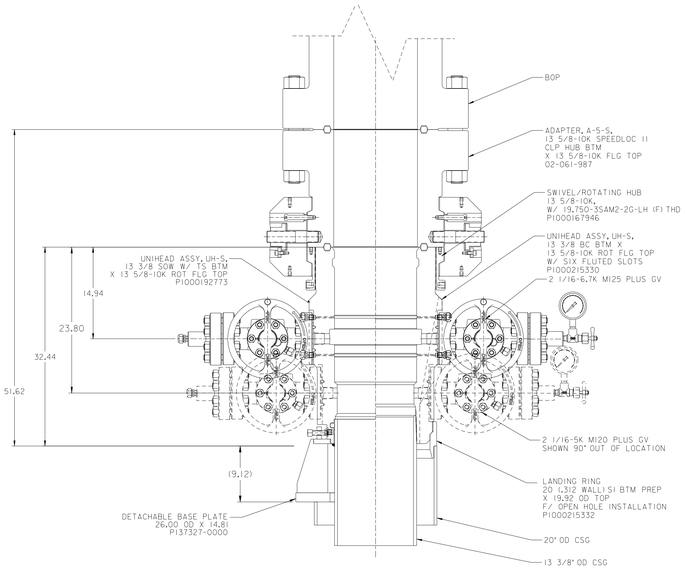
OCD Reviewer	Condition
kpickford	Will require a name change complying with OCD policy prior to putting the well into production.
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

13-5/8" 10K SWC BOP Adapter



DRILLING MODE (1)

13-5/8" 10K Speedloc BOP Adapter



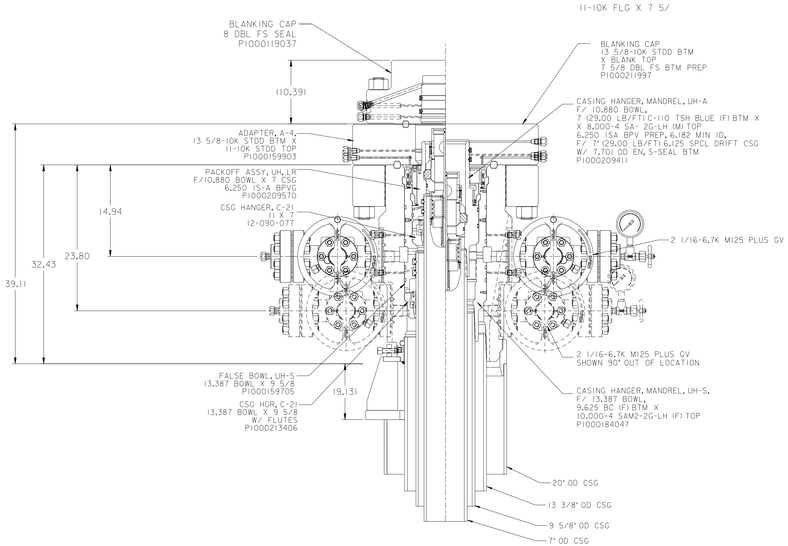
DRILLING MODE (2)

Solid 7" Mandrel Casing Hanger

Fluted 7" Mandrel Casing Hanger

Solid 9-5/8" Mandrel Casing Hanger

Fluted 9-5/8" Mandrel Casing Hanger



PRODUCTION MODE

Drilling: Slim Hole 3-4 String UH-S Wellhead System (20"-13-3/8"-9-5/8"-7"-5")

+ BOP adapter option must be selected prior to requesting equipment
+ Mandrel type must be selected prior to requesting equipment
+ Casing program shall be confirmed prior to requesting equipment

6650 PSI UH-S

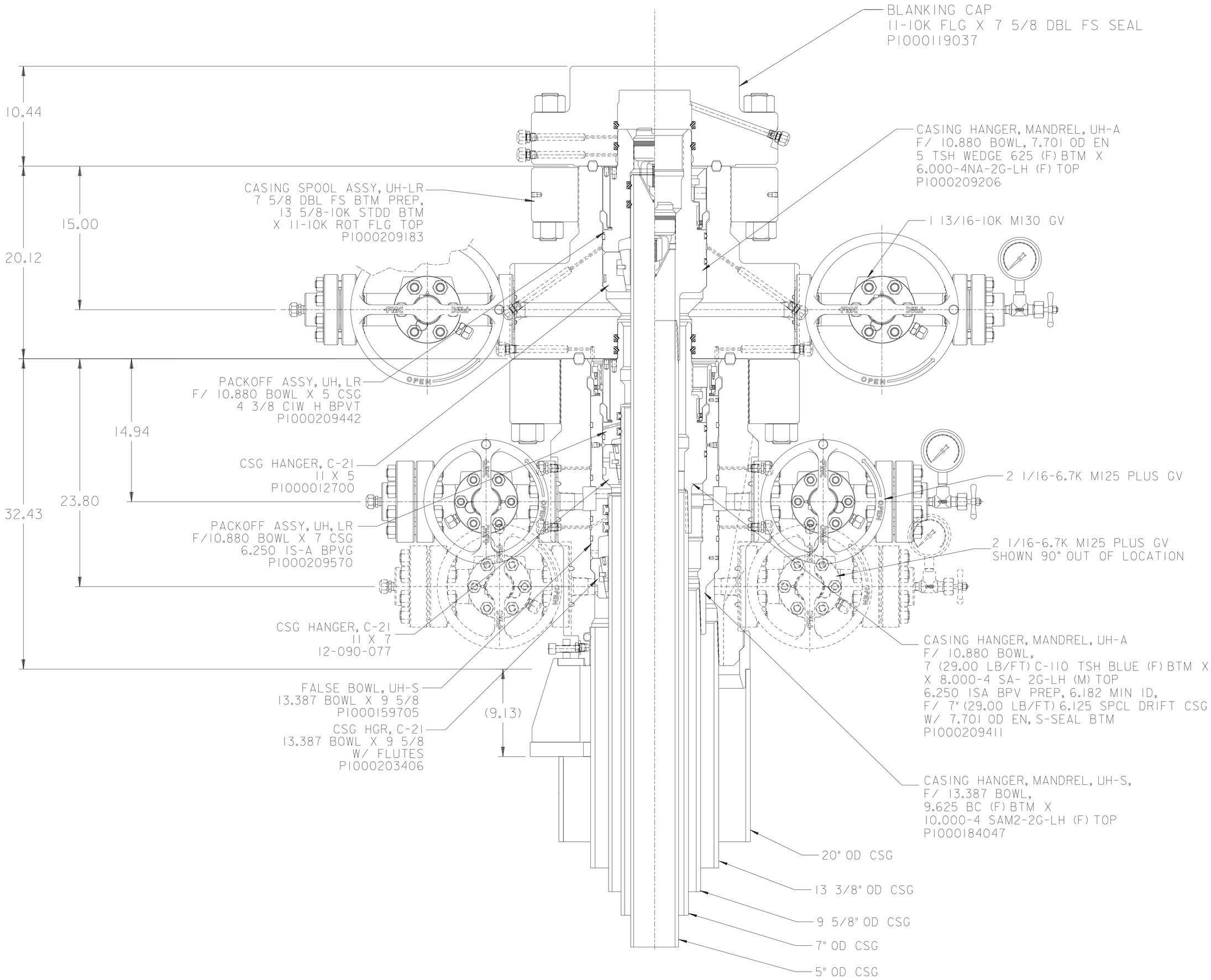
CHEVRON

20 X 13 3/8 X 9 5/8 X 7

NEW MEXICO SLIM HOLE

QUOTE# 20395747
CASE# D0226966
FI11378
DBDI0163394
REF: DM10031205-4
DM10027604

PRIVATE AND CONFIDENTIAL	DESCRIPTION	DRAWN BY:	DATE:	TechnipFMC
UNLESS OTHERWISE AGREED TO IN WRITING, THIS DOCUMENT AND ALL THE INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF TechnipFMC AND MAY NOT BE REPRODUCED, USED, DISCLOSED, OR MADE PUBLIC IN ANY MANNER PRIOR TO EXPRESS WRITTEN AUTHORIZATION BY TechnipFMC. THIS DOCUMENT IS ACCEPTED BY RECIPIENT PURSUANT TO AGREEMENT TO THE FOREGOING, AND MUST BE RETURNED UPON DEMAND.	SURFACE WELLHEAD LAYOUT, UH-S, 20 X 13 3/8 X 9 5/8 X 7 CSG PROGRAM, 13 5/8-10K X 11-10K X 7 1/16-10K, CHEVRON, ODESSA, NEW MEXICO SLIM HOLE	T. PHAM	04-22-19	
		DRAFTING CHECK: T. PHAM	DATE: 04-22-19	
		DESIGN REVIEW: C. TORRES	DATE: 09-18-19	SHEET SIZE: NA
MANUFACTURER AGREES THAT ARTICLES MADE IN ACCORDANCE WITH THIS DOCUMENT SHALL BE CONSIDERED TechnipFMC'S DESIGN AND THAT IDENTICAL ARTICLES OR PARTS THEREOF SHALL NOT BE MANUFACTURED FOR THE USE OR SALE BY MANUFACTURER OR ANY OTHER PERSON WITHOUT THE PRIOR EXPRESS WRITTEN AUTHORIZATION BY TechnipFMC.		MANUFACTURING APPROVALS	DATE:	ECN NUMBER:	REV: D
		APPROVED BY: C. WEIMER	DATE: 09-18-19	DRAWING NUMBER: DM10031215	SHEET: 1/3



PRODUCTION MODE

6650 PSI UH-S

CHEVRON

20 X 13 3/8 X 9 5/8 X 7 X 5

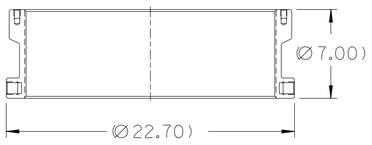
NEW MEXICO SLIM HOLE

QUOTE# 20443645
CASE# 00026966
F111378
DBD10163394
REF: DMI00312054
DMI00276064

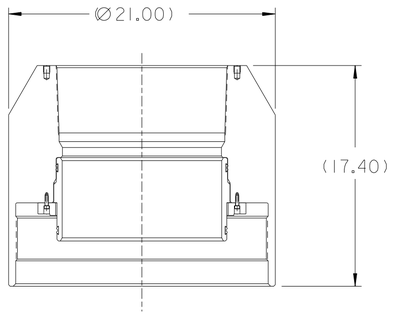
DESCRIPTION

SURFACE WELLHEAD LAYOUT,
UH-S,
20 X 13 3/8 X 9 5/8 X 7 X 5
CSG PROGRAM,
13 5/8-10K X 11-10K X 7 1/16-10K,
CHEVRON, ODESSA,
NEW MEXICO SLIM HOLE

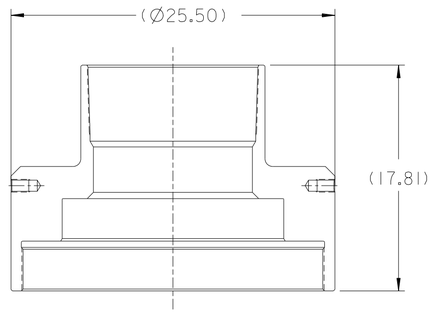
DRAWN BY: T. PHAM	DATE: 04-22-19	TechnipFMC	
DRAFTING CHECK: T. PHAM	DATE: 04-22-19		
DESIGN REVIEW: C. TORRES	DATE: 09-18-19	SHEET SIZE: NA	
MANUFACTURING APPROVAL:	DATE:	ECN NUMBER	REV.: D
APPROVED BY: C. WEIMER	DATE: 09-18-19	DRAWING NUMBER: DMI00312151	SHEET: 2/3



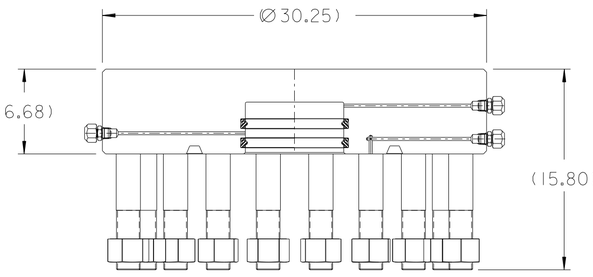
SWIVEL/ROTATING HUB
13 5/8-10K,
W/ 19.750-3SAM2-2G-LH (F) THD
P1000167946



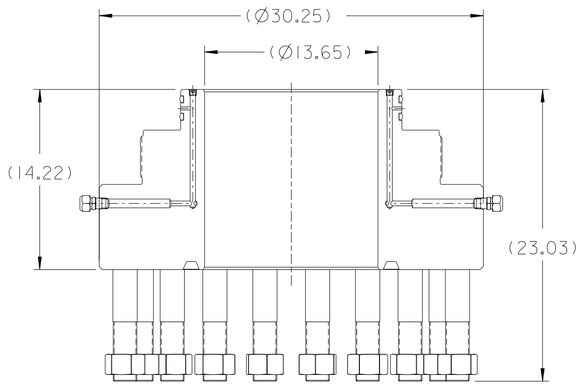
INSTALLATION / REMOVAL TOOL
19.750-3SAM2-2G-LH (F) BTM
X 13 3/8 API BC TOP
P1000169794



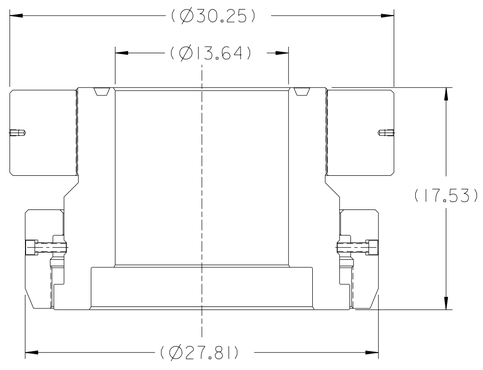
HANDLING TOOL BODY,
23.750-3SAM2-2G BTM X 13 5/8 BC TOP,
F/ 13 5/8-5K/10K ADAPTER, BOP
CONNECTOR, TYPE SWC
P1000196537



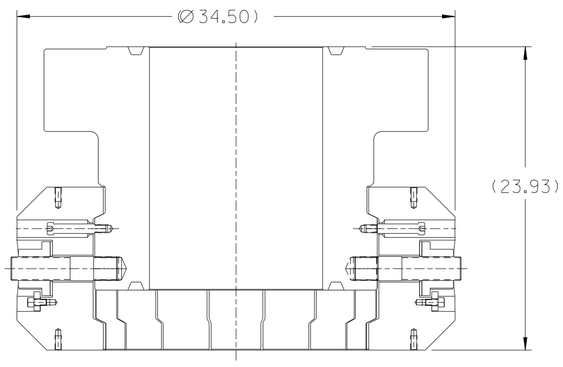
BLANKING CAP
7 5/8 DBL FS BTM PREP,
13 5/8-10K STDD BTM
X BLANK TOP
P1000211997



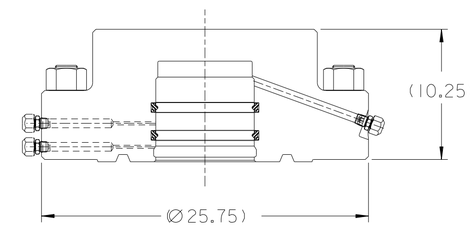
LOWER SWC ADAPTER ASSY,
BOP CONNECTOR, 13 5/8-10K STDD
BTM X 23.750-3SAM2-2G TOP, W/ DBL
TESTABLE S-SEALS
P1000191389



UPPER SWC ADAPTER ASSY,
BOP CONNECTOR, 13 5/8-10K ROT FLG
TOP, W/ DBL TESTABLE S-SEALS
P1000191392



ADAPTER ASSY,
13 5/8-10K SPEEDLOC CLP HUB BTM
X 13 5/8-10K FLG TOP
02-061-987



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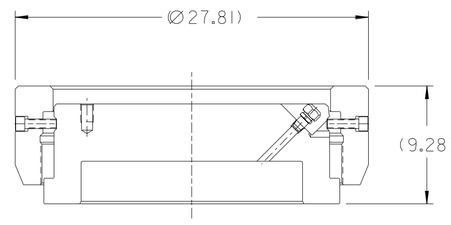
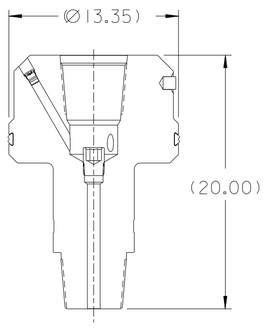
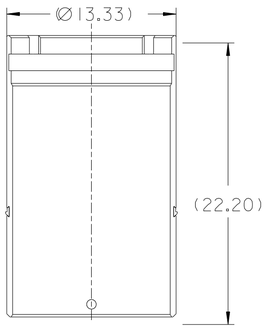
11-10K FLG X 7 5/8 DBL FS SEAL
P1000119037



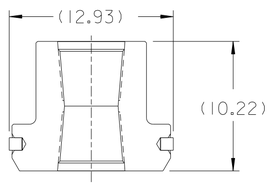
BLANKING CAP,
CPLG NUT BTM X BLANK TOP
P1000193173



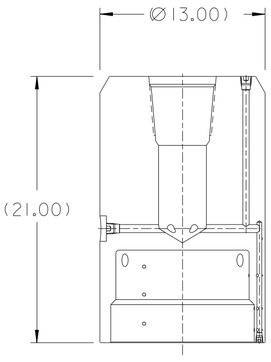
COMBINATION TEST
PLUG / BOWL PROTECTOR
R&R TOOL, F/ 13 5/8 BOWL,
NC50 (F) TOP X NC50 (M) BTM
P4000029902



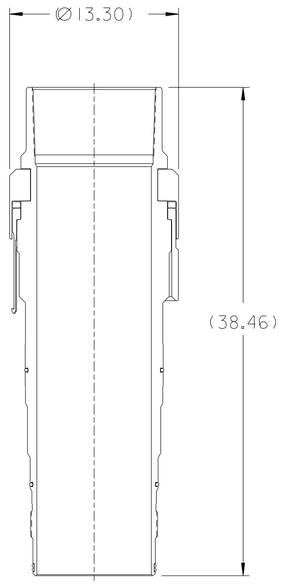
WEAR BUSHING
13.387 BOWL
12.375 MIN ID
F/UH-S SYSTEM
P1000158759



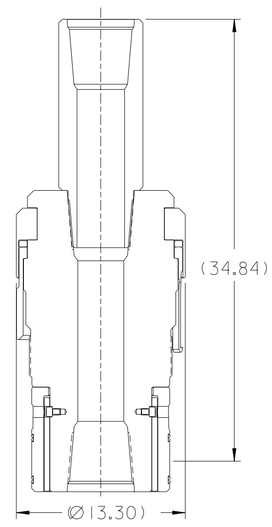
BOWL PROTECTOR R&R TOOL
F/ 13 5/8 BOWL
NC50 (4 1/2 API IF) (F) TOP
X NC50 (4 1/2 API IF) (F) BTM
48-291-312



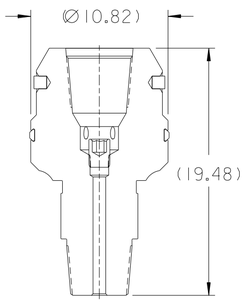
WASH TOOL, F/ UH-S,
13.387 BOWL,
NC50 (4 1/2 API IF) (F) TOP
P1000158766



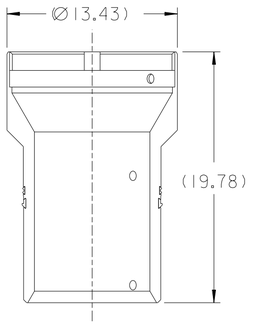
CASING HANGER R&R TOOL,
10.000-4SAM2-2G-LH (M) BTM
X 9.625 BC (F) TOP,
F/ 13.387 BOWL
P1000184045



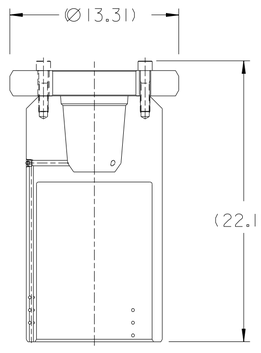
PACKOFF RUNNING TOOL
13.387 BOWL
11.250-4 STUB ACME-2G (M) BTM
NC50 (4 1/2 IF) (F) BTM & TOP
P1000158966



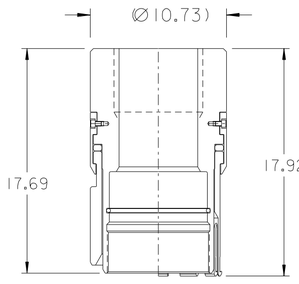
COMBINATION TEST
PLUG/ BOWL PROTECTOR
R&R TOOL, F/ 11 BOWL
NC50 (F) TOP X NC50 (M) BTM
48-260-515



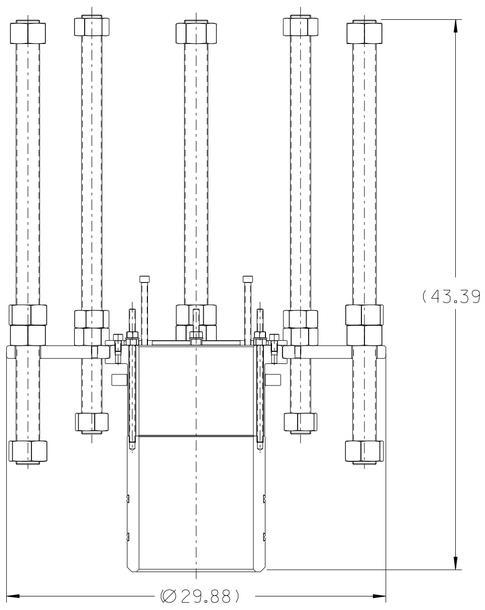
WEAR BUSHING
13.505 BOWL TOP X 10.880 BOWL BTM
9.062 MIN ID
P1000159081



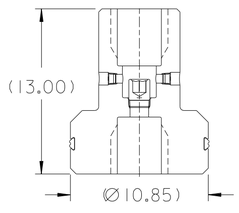
WASH TOOL, 11 BOWL
10.71 OD X 9.1 ID X 19.4 LG
P1000185943



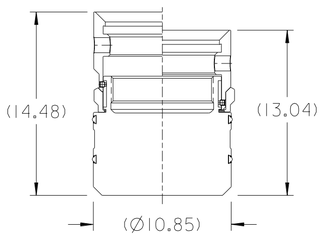
CASING HANGER R&R TOOL,
8.000-4 SA-2G-LH (F) BTM,
X 7 (29.00 LB/FT) C-110 TSH BLUE
(SPECIAL DRIFT 6.125) (F) TOP,
W/ O-RING F/ 7.701 EN
P1000209524



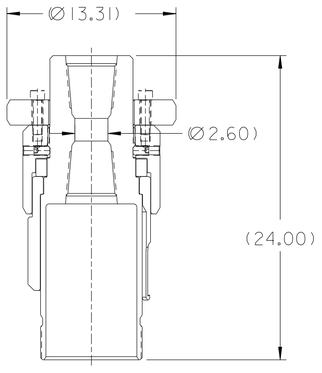
INSTALLATION / REMOVAL TOOL, ASSY,
CONTINGENCY FALSE BOWL/PACKOFF R&R TOOL,
UH-S, 13 5/8-10K, 5K, & 11-10K FLANGE
COMBINATION, WORK WITH BOTH 13.387 &
10.880 BOWL, W/ SOLID T-MANDREL F/
10.880 BOWL PACKOFF
P1000209767



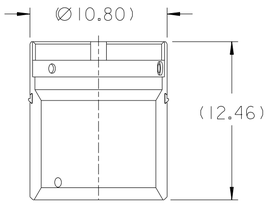
BOP TEST PLUG
F/ 11 BOWL
XT39 (F) TOP X XT39 (F) BTM
P1000218141



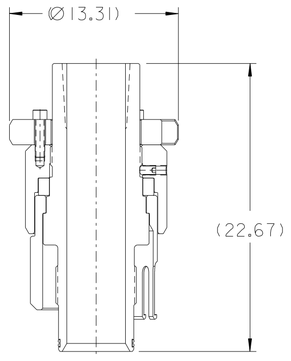
BOP TEST PLUG, UHA, LR
F/ 10.880 BOWL
P1000173725



PACKOFF R & R TOOL,
8.000-4NA-2G (M) BTM,
NC38 (3 1/2 IF) (F) BTM & TOP
F/ BARRIER PLUG
P1000185979



WEAR BUSHING,
F/ 10.880 BOWL,
F/ 11-10K SPCL C-29 BOWL
P1000200384



CASING HANGER R&R TOOL
6.000-4 NA-2G-LH (M) BTM X
5 TSH WEDGE 625
(18.00 LB/FT) P-110IC (F) TOP
F/ 11 SOLID LATCH HANGER
P1000209431

6650 PSI UH-S

CHEVRON

TOOLS

NEW MEXICO SLIM HOLE

QUOTE# 20395747
CASE# 00026966
F111378
DBD10163394
REF: DM100312054
DM100276064

DESCRIPTION

SURFACE WELLHEAD LAYOUT,
UH-S,
20 X 13 3/8 X 9 5/8 X 7 X 5
CSG PROGRAM,
13 5/8-10K X 11-10K X 7 1/16-10K,
CHEVRON, ODESSA,
NEW MEXICO SLIM HOLE

DRAWN BY: T. PHAM	DATE: 04-22-19	TechnipFMC	
DRAFTING CHECK: T. PHAM	DATE: 04-22-19		
DESIGN REVIEW: C. TORRES	DATE: 09-18-19	SHEET SIZE: NA	
MANUFACTURING APPROVAL:	DATE:	ECN NUMBER: 1320212	REV.: D
APPROVED BY: C. WEIMER	DATE: 09-18-19	DRAWING NUMBER: DM100312151	SHEET: 3/3

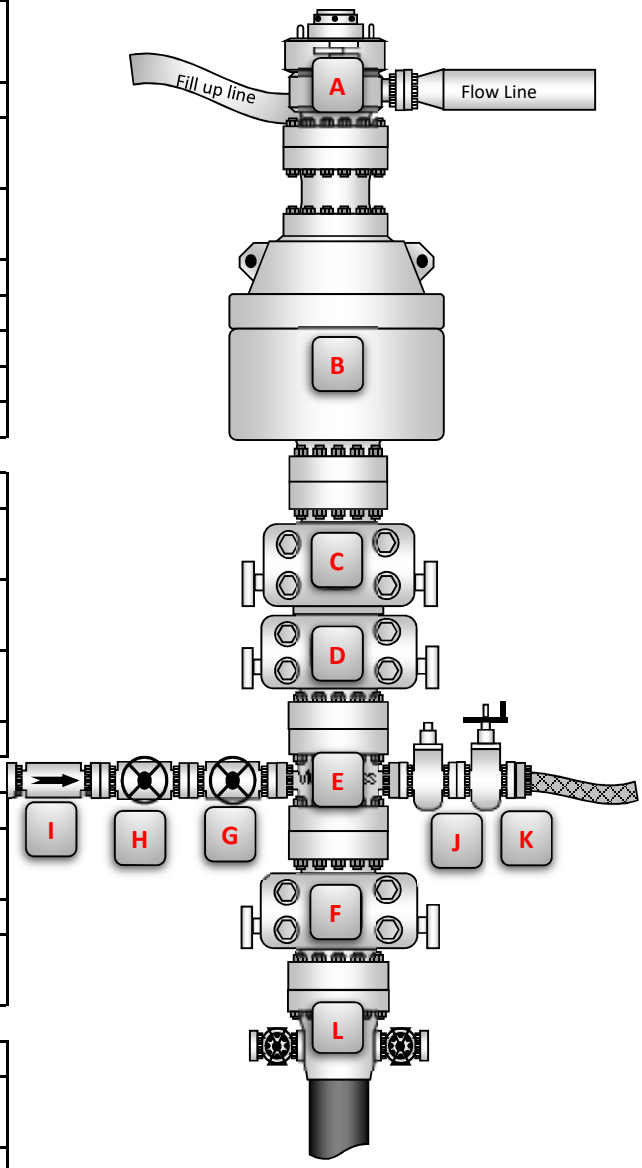
BLOWOUT PREVENTER SCHEMATIC

Operation: Intermediate/Production Hole Section			
Minimum System operation pressure			10,000 psi
BOP Stack			
Part	**Size**	**Pressure Rating**	**Description**
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	10,000	Annular
C	13-5/8"	10,000	Blind Ram
D	13-5/8"	10,000	Pipe Ram
E	13-5/8"	10,000	Mud Cross
F	13-5/8"	10,000	Pipe Ram

Kill Line			
Part	**Size**	**Pressure Rating**	**Description**
G	2"	10,000	Inside Kill Line Valve (gate valve)
H	2"	10,000	Outside Kill Line Valve (gate valve)
I	2"	10,000	Kill Line Check valve

Choke line			
Part	**Size**	**Pressure Rating**	**Description**
J	3"	10,000	HCR (gate valve)
K	3"	10,000	Manual HCR (gate valve)

Wellhead			
Part	**Size**	**Pressure Rating**	**Description**
L	13-5/8"	10,000	FMC 5M/10M wellhead



Installation Checklist
The following items must be verified and checked off prior to pressure testing BOP equipment
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
All valves on the kill line and choke line will be full opening and will allow straight flow through.
The kill line and choke line will be straight unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and reduce vibration.
Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.
A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.
Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

BAILEYS 25 36 STATE COM P44 2H 9P

Input
Calculated

Cable/Rotary	Rotary
Proposed Depth	15,278
How many wells within 300'?	No
Any structures within 300'?	No
Depth to Ground water	N/A
Distance from nearest fresh water well	
Distance to nearest surface water	
Closed-loop in lieu of line pits?	Yes

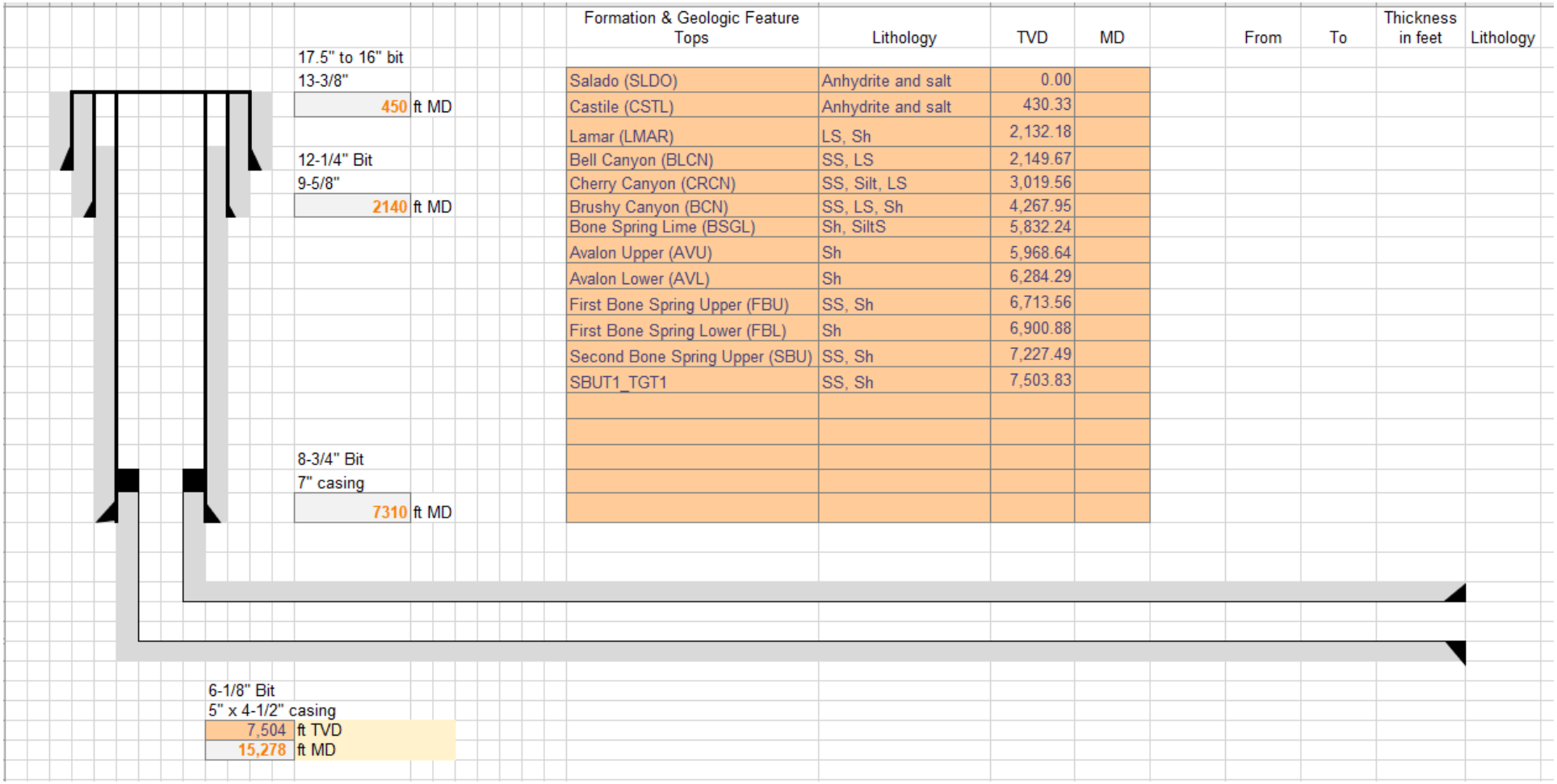
CASING

Type	Hole Size	Casing Size	Grade	Casing Weight lbs/ft	Connection	Top MD	Setting Depth (KB)	Sacks of Cement	Est. TOC	Method	Fluid Type
Surface	17-1/2" to 16"	13-3/8"	J-55	54.5	STC / BTC	0	450	233	0	Circulation	Fresh Water
Intermediate	12-1/4"	9-5/8"	L-80	40.0	BTC	0	2140	348	0	Calculation	Brine
Prod	8-3/4"	7"	P-110 / TN110S	29.0	BLUE	0	7310	467	1940	Calculation	Cut Brine
Liner1	6-1/8"	5"	P-110	18.0	TXP BTC / W513	7160	7550	552	7160	Calculation	Oil-Based Mud
		4-1/2"	P-110	11.6	W521	7550	15278				

CASING/CEMENT PROGRAM: ADD'L COMMENTS

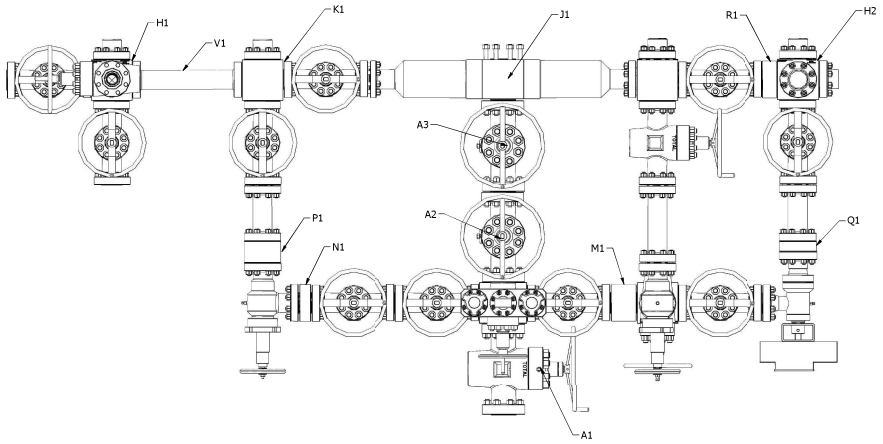
BLOWOUT PREVENTION

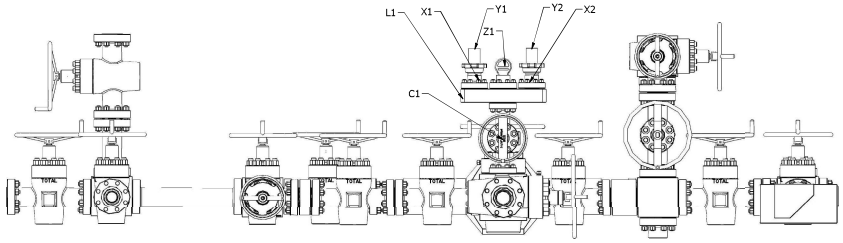
BOP Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000 psi	3500 psi	TBD
Blind	10000 psi	6650 psi	TBD
Pipe	10000 psi	6650 psi	TBD
Pipe	10000 psi	6650 psi	TBD



Formation & Geologic Feature Tops	Lithology	TVD	MD
Salado (SLDO)	Anhydrite and salt	0.00	
Castile (CSTL)	Anhydrite and salt	430.33	
Lamar (LMAR)	LS, Sh	2,132.18	
Bell Canyon (BLCN)	SS, LS	2,149.67	
Cherry Canyon (CRCN)	SS, Silt, LS	3,019.56	
Brushy Canyon (BCN)	SS, LS, Sh	4,267.95	
Bone Spring Lime (BSGL)	Sh, SiltS	5,832.24	
Avalon Upper (AVU)	Sh	5,968.64	
Avalon Lower (AVL)	Sh	6,284.29	
First Bone Spring Upper (FBU)	SS, Sh	6,713.56	
First Bone Spring Lower (FBL)	Sh	6,900.88	
Second Bone Spring Upper (SBU)	SS, Sh	7,227.49	
SBUT1_TGT1	SS, Sh	7,503.83	

From	To	Thickness in feet	Lithology





Bill Of Material

Item Qty Description

A 3 Gate Valve, 4-1/16” 10,000psi, Manually Operated, Flanged End

B 13 Gate Valve, 3-1/16” 10,000psi, Manually Operated, Flanged End

C 1 Gate Valve, 2-1/16” 10,000psi, Manually Operated, Flanged End

D 2 Adjustable Choke, 3-1/16” 10,000psi, Manually Operated, Flanged End

E 1 Adjustable Choke, 3-1/16” 10,000psi, Hydraulically Operated, Flanged End

F 1 5-Way Cross, 4-1/16” X 4-1/16” X 3-1/16” X 3-1/16” X 2-1/16”- 10,000psi, Studded End

G 2 3-Way Tee, 3-1/16” X 3-1/16” X 3-1/16”- 10,000psi, Studded End

H 3 5-Way Cross, 3-1/16” X 3-1/16” X 3-1/16” X 3-1/16” X 3-1/16”- 10,000psi, Studded End

J 1 By-Pass Header, 4-1/16” 10,000psi Studded Inlet X 4-1/16” 10,000psi Studded Outlet X 3-1/16” 10,000psi Flanged Outlets

K 1 4-Way Cross, 3-1/16" X 3-1/16" X 3-1/16" X 3-1/16"- 10,000psi, Studded End

L 1 Transmitter Flange, 2-1/16” X 2-1/16” X 2-1/16”- 10,000psi Studded Top X 2-1/16” 10,000psi Studded Bottom

M 1 Spacer Flange, Thru Bolt, 3-1/16” X 3-1/16”- 10,000psi X 7.75” OAL

N 1 Double Studded Spacer, 3-1/16” X 3-1/16”- 10,000psi X 3.685” OAL

P 1 Double Studded Spacer, 3-1/16” X 3-1/16”- 10,000psi X 6.06” OAL

Q 1 Double Studded Spacer, 3-1/16” X 3-1/16”- 10,000psi X 2.81” OAL

R 1 Spacer Flange, Thru Bolt, 3-1/16” X 3-1/16”- 10,000psi X 4.6875” OAL

S 3 Spacer Spool, 3-1/16” X 3-1/16”- 10,000psi X 16.50” OAL, Flanged End

T 1 Spacer Spool, 3-1/16” X 3-1/16”- 10,000psi X 22.56” OAL, Flanged End

U 1 Spacer Spool, 3-1/16” X 3-1/16”- 10,000psi X 28.875” OAL, Flanged End

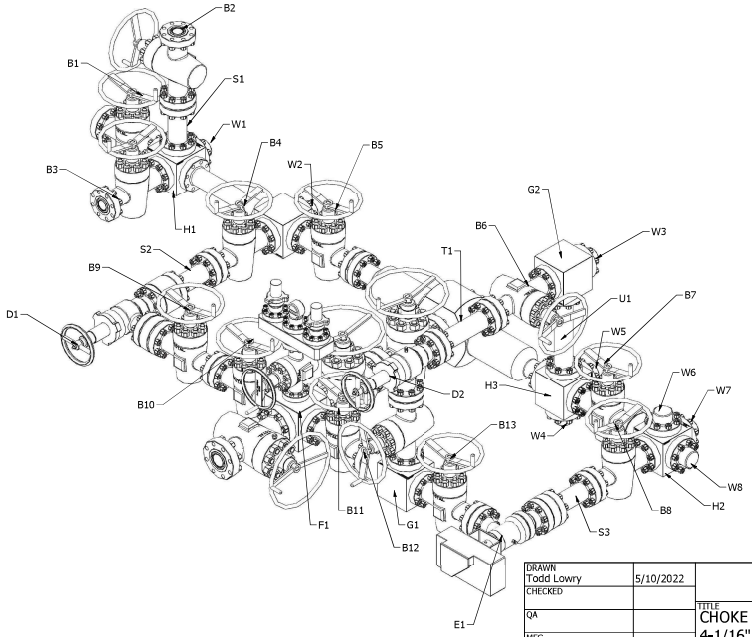
V 1 Spacer Spool, 3-1/16” X 3-1/16”- 10,000psi X 32.125” OAL, Flanged End

W 8 Blind Fluid Cushion Flange, 3-1/16” 10,000psi

X 2 Adapter Flange, 2-1/16” 10,000psi X Union Figure 2” 1502, Female Threaded Half

Y 2 Blanking Plug, Union Figure 2” 1502, Male Hammer Nut Half

Z 1 Flanged Mud Gauge, 2-1/16” 10,000psi, Range 0-15,000psi



DRAWN Todd Lowry	5/10/2022	
CHECKED		
QA		
MFG		
APPROVED		

TITLE
CHOKE MANIFOLD ASSEMBLY
4-1/16" 10,000PSI X 3-1/16" 10,000PSI
PATTERSON UTI DRILLING- RIG 284

SIZE D | DWG NO MAN-09.07-010.PI.02 REV4 | REV

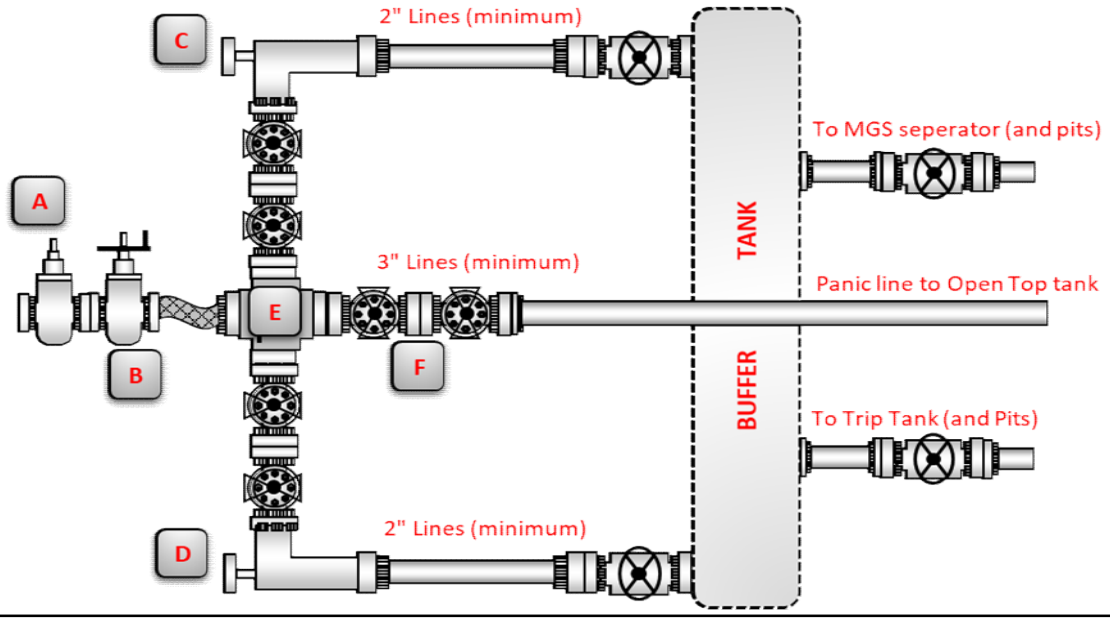
SCALE 1/18 | SHEET 1 OF 1

CHOKE MANIFOLD SCHEMATIC

Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

Choke Manifold

Part	Size	Pressure Rating	Description
A	3"	10,000	HCR (remotely operated)
B	3"	10,000	HCR (manually operated)
C	2"	10,000	Remotely operated choke
D	2"	10,000	Adjustable choke
E	3"	10,000	Crown valve with pressure gage
F	3"	10,000	Panic line valves



Choke Manifold Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
Adjustable chokes may be remotely operated but will have backup hand pump for hydraulic actuation in case of loss of rig air or power.
Flare and panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.
All valves (except chokes) on choke line, kill line and choke manifold will be full opening and will allow straight through flow. This excludes any valves between the mud gas separator and shale shakers.
All manual valves will have hand wheels installed.
Flare systems will have an effective method for ignition.
All connections will be flanged, welded or clamped
If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.

Schlumberger

Baileys 25 36 State Com P44 No. 2H R0 mdv 14July22 Proposal Geodetic Report

(Def Plan)

Chevron

Report Date:	July 18, 2022 - 02:27 PM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	179.870 ° (Grid North)
Field:	NM, Eddy County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron HNM Pkg 44 Baileys 25 36 State Pad / 2H	**TVD Reference Datum:**	RKB = 28ft
Well:	Baileys 25 36 State Com P44 No. 2H	**TVD Reference Elevation:**	3082.000 ft above MSL
Borehole:	Baileys 25 36 State Com P44 No. 2H	**Seabed / Ground Elevation:**	3054.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.747 °
Survey Name:	Baileys 25 36 State Com P44 No. 2H R0 mdv 14July22	**Total Gravity Field Strength:**	998.4450mgn (9.80665 Based)
Survey Date:	July 18, 2022	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	120.073 ° / 8906.568 ft / 6.336 / 1.183	**Total Magnetic Field Strength:**	47464.744 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.556 °
Location Lat / Long:	N 32° 1' 22.86950", W 104° 8' 39.81373"	**Declination Date:**	July 18, 2022
Location Grid N/E Y/X:	N 372152.000 ftUS, E 558556.000 ftUS	**Magnetic Declination Model:**	HDGM 2022
CRS Grid Convergence Angle:	0.1002 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99991302	**Grid Convergence Used:**	0.1002 °
Version / Patch:	2.10.829.1	**Total Corr Mag North->Grid North:**	6.6473 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	100.00	0.00	240.97	100.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	200.00	0.00	240.97	200.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	300.00	0.00	240.97	300.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	400.00	0.00	240.97	400.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
Castile (CSTL)	*458.33*	*0.00*	*240.97*	*458.33*	*0.00*	*0.00*	*0.00*	*0.00*	*372152.00*	*558556.00*	*N 32 1 22.87*	*W 104 8 39.81*
	500.00	0.00	240.97	500.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	600.00	0.00	240.97	600.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
Build 1.5°/100ft	700.00	0.00	240.97	700.00	0.00	0.00	0.00	0.00	372152.00	558556.00	N 32 1 22.87	W 104 8 39.81
	800.00	1.50	240.97	799.99	0.63	-0.64	-1.14	1.50	372151.36	558554.86	N 32 1 22.86	W 104 8 39.83
	900.00	3.00	240.97	899.91	2.53	-2.54	-4.58	1.50	372149.46	558551.42	N 32 1 22.84	W 104 8 39.87
	1000.00	4.50	240.97	999.69	5.69	-5.71	-10.30	1.50	372146.29	558545.71	N 32 1 22.81	W 104 8 39.93
	1100.00	6.00	240.97	1099.27	10.11	-10.16	-18.30	1.50	372141.85	558537.71	N 32 1 22.77	W 104 8 40.03
	1200.00	7.50	240.97	1198.57	15.79	-15.86	-28.57	1.50	372136.14	558527.43	N 32 1 22.71	W 104 8 40.15
	1300.00	9.00	240.97	1297.54	22.73	-22.82	-41.12	1.50	372129.18	558514.89	N 32 1 22.64	W 104 8 40.29
	1400.00	10.50	240.97	1396.09	30.91	-31.04	-55.92	1.50	372120.96	558500.08	N 32 1 22.56	W 104 8 40.46
	1500.00	12.00	240.97	1494.16	40.34	-40.51	-72.98	1.50	372111.49	558483.03	N 32 1 22.47	W 104 8 40.66
	1600.00	13.50	240.97	1591.70	51.01	-51.22	-92.28	1.50	372100.78	558463.73	N 32 1 22.36	W 104 8 40.89
Hold	1699.97	15.00	240.97	1688.59	62.90	-63.16	-113.79	1.50	372088.84	558442.22	N 32 1 22.25	W 104 8 41.14
	1700.00	15.00	240.97	1688.62	62.91	-63.17	-113.80	0.00	372088.84	558442.21	N 32 1 22.25	W 104 8 41.14
	1800.00	15.00	240.97	1785.21	75.42	-75.73	-136.43	0.00	372076.28	558419.58	N 32 1 22.12	W 104 8 41.40
	1900.00	15.00	240.97	1881.80	87.93	-88.29	-159.06	0.00	372063.72	558396.96	N 32 1 22.00	W 104 8 41.66
	2000.00	15.00	240.97	1978.39	100.44	-100.85	-181.69	0.00	372051.16	558374.33	N 32 1 21.87	W 104 8 41.93
	2100.00	15.00	240.97	2074.99	112.94	-113.41	-204.31	0.00	372038.60	558351.70	N 32 1 21.75	W 104 8 42.19
Lamar (LMAR)	*2188.20*	*15.00*	*240.97*	*2160.18*	*123.98*	*-124.49*	*-224.27*	*0.00*	*372027.52*	*558331.75*	*N 32 1 21.64*	*W 104 8 42.42*
	2200.00	15.00	240.97	2171.58	125.45	-125.97	-226.94	0.00	372026.04	558329.08	N 32 1 21.63	W 104 8 42.45
Bell Canyon (BLCN)	*2206.31*	*15.00*	*240.97*	*2177.67*	*126.24*	*-126.76*	*-228.37*	*0.00*	*372025.25*	*558327.65*	*N 32 1 21.62*	*W 104 8 42.47*
	2300.00	15.00	240.97	2268.17	137.96	-138.53	-249.57	0.00	372013.48	558306.45	N 32 1 21.50	W 104 8 42.72
	2400.00	15.00	240.97	2364.77	150.47	-151.09	-272.20	0.00	372000.92	558283.82	N 32 1 21.38	W 104 8 42.98
	2500.00	15.00	240.97	2461.36	162.98	-163.65	-294.83	0.00	371988.36	558261.20	N 32 1 21.26	W 104 8 43.24
	2600.00	15.00	240.97	2557.95	175.49	-176.21	-317.46	0.00	371975.80	558238.57	N 32 1 21.13	W 104 8 43.50
	2700.00	15.00	240.97	2654.54	188.00	-188.77	-340.09	0.00	371963.24	558215.94	N 32 1 21.01	W 104 8 43.77
	2800.00	15.00	240.97	2751.14	200.51	-201.33	-362.72	0.00	371950.69	558193.32	N 32 1 20.88	W 104 8 44.03
	2900.00	15.00	240.97	2847.73	213.02	-213.89	-385.35	0.00	371938.13	558170.69	N 32 1 20.76	W 104 8 44.29
	3000.00	15.00	240.97	2944.32	225.53	-226.45	-407.97	0.00	371925.57	558148.06	N 32 1 20.64	W 104 8 44.56
	3100.00	15.00	240.97	3040.91	238.04	-239.01	-430.60	0.00	371913.01	558125.43	N 32 1 20.51	W 104 8 44.82
Cherry Canyon (CRCN)	*3106.88*	*15.00*	*240.97*	*3047.56*	*238.90*	*-239.88*	*-432.16*	*0.00*	*371912.14*	*558123.88*	*N 32 1 20.50*	*W 104 8 44.84*
	3200.00	15.00	240.97	3137.51	250.55	-251.58	-453.23	0.00	371900.45	558102.81	N 32 1 20.39	W 104 8 45.08
	3300.00	15.00	240.97	3234.10	263.06	-264.14	-475.86	0.00	371887.89	558080.18	N 32 1 20.26	W 104 8 45.35
	3400.00	15.00	240.97	3330.69	275.56	-276.70	-498.49	0.00	371875.33	558057.55	N 32 1 20.14	W 104 8 45.61
	3500.00	15.00	240.97	3427.29	288.07	-289.26	-521.12	0.00	371862.77	558034.93	N 32 1 20.02	W 104 8 45.87
	3600.00	15.00	240.97	3523.88	300.58	-301.82	-543.75	0.00	371850.21	558012.30	N 32 1 19.89	W 104 8 46.14
	3700.00	15.00	240.97	3620.47	313.09	-314.38	-566.38	0.00	371837.65	557989.67	N 32 1 19.77	W 104 8 46.40
	3800.00	15.00	240.97	3717.06	325.60	-326.94	-589.01	0.00	371825.09	557967.05	N 32 1 19.64	W 104 8 46.66
	3900.00	15.00	240.97	3813.66	338.11	-339.50	-611.63	0.00	371812.53	557944.42	N 32 1 19.52	W 104 8 46.92
	4000.00	15.00	240.97	3910.25	350.62	-352.06	-634.26	0.00	371799.97	557921.79	N 32 1 19.40	W 104 8 47.19
	4100.00	15.00	240.97	4006.84	363.13	-364.62	-656.89	0.00	371787.41	557899.17	N 32 1 19.27	W 104 8 47.45
Drop .75°/100ft	4183.71	15.00	240.97	4087.70	373.60	-375.14	-675.84	0.00	371776.90	557880.22	N 32 1 19.17	W 104 8 47.67
	4200.00	14.88	240.97	4103.44	375.63	-377.17	-679.51	0.75	371774.86	557876.55	N 32 1 19.15	W 104 8 47.71
	4300.00	14.13	240.97	4200.25	387.73	-389.33	-701.40	0.75	371762.71	557854.66	N 32 1 19.03	W 104 8 47.97
Brushy Canyon (BCN)	*4398.52*	*13.39*	*240.97*	*4295.95*	*399.06*	*-400.70*	*-721.89*	*0.75*	*371751.34*	*557834.18*	*N 32 1 18.92*	*W 104 8 48.21*
	4400.00	13.38	240.97	4297.39	399.22	-400.86	-722.19	0.75	371751.17	557833.88	N 32 1 18.92	W 104 8 48.21
	4500.00	12.63	240.97	4394.82	410.10	-411.78	-741.86	0.75	371740.25	557814.21	N 32 1 18.81	W 104 8 48.44
	4600.00	11.88	240.97	4492.54	420.36	-422.08	-760.41	0.75	371729.96	557795.65	N 32 1 18.71	W 104 8 48.65
	4700.00	11.13	240.97	4590.53	429.99	-431.76	-777.85	0.75	371720.28	557778.22	N 32 1 18.61	W 104 8 48.86
	4800.00	10.38	240.97	4688.78	439.01	-440.81	-794.16	0.75	371711.23	557761.91	N 32 1 18.52	W 104 8 49.05
	4900.00	9.63	240.97	4787.26	447.41	-449.24	-809.35	0.75	371702.80	557746.72	N 32 1 18.44	W 104 8 49.22
	5000.00	8.88	240.97	4885.95	455.18	-457.05	-823.41	0.75	371694.99	557732.67	N 32 1 18.36	W 104 8 49.39
	5100.00	8.13	240.97	4984.85	462.32	-464.22	-836.33	0.75	371687.82	557719.74	N 32 1 18.29	W 104 8 49.54
	5200.00	7.38	240.97	5083.94	468.84	-470.77	-848.13	0.75	371681.27	557707.95	N 32 1 18.23	W 104 8 49.67
	5300.00	6.63	240.97	5183.19	474.74	-476.68	-858.79	0.75	371675.36	557697.29	N 32 1 18.17	W 104 8 49.80
	5400.00	5.88	240.97	5282.60	480.00	-481.97	-868.31	0.75	371670.07	557687.77	N 32 1 18.11	W 104 8 49.91
	5500.00	5.13	240.97	5382.14	484.63	-486.62	-876.69	0.75	371665.42	557679.39	N 32 1 18.07	W 104 8 50.01
	5600.00	4.38	240.97	5481.79	488.64	-490.64	-883.94	0.75	371661.40	557672.14	N 32 1 18.03	W 104 8 50.09
	5700.00	3.63	240.97	5581.55	492.01	-494.03	-890.04	0.75	371658.01	557666.04	N 32 1 18.00	W 104 8 50.16
	5800.00	2.88	240.97	5681.39	494.75	-496.79	-895.00	0.75	371655.26	557661.08	N 32 1 17.97	W 104 8 50.22
	5900.00	2.13	240.97	5781.29	496.86	-498.90	-898.82	0.75	371653.14	557657.26	N 32 1 17.95	W 104 8 50.26
Bone Spring Lime (BSGL)	*5978.99*	*1.53*	*240.97*	*5860.24*	*498.08*	*-500.13*	*-901.02*	*0.75*	*371651.91*	*557655.06*	*N 32 1 17.94*	*W 104 8 50.29*
	6000.00	1.38	240.97	5881.24	498.34	-500.39	-901.49	0.75	371651.66	557654.59	N 32 1 17.93	W 104 8 50.29
	6100.00	0.63	240.97	5981.23	499.19	-501.24	-903.02	0.75	371650.81	557653.06	N 32 1 17.92	W 104 8 50.31
Avalon Upper (AVU)	*6115.42*	*0.51*	*240.97*	*5996.64*	*499.26*	*-501.31*	*-903.15*	*0.75*	*371650.73*	*557652.93*	*N 32 1 17.92*	*W 104 8 50.31*
Hold	6183.66	0.00	240.97	6064.88	499.41	-501.46	-903.42	0.75	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6200.00	0.00	240.97	6081.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6300.00	0.00	240.97	6181.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6400.00	0.00	240.97	6281.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
Avalon Lower (AVL)	*6431.07*	*0.00*	*240.97*	*6312.29*	*499.41*	*-501.46*	*-903.42*	*0.00*	*371650.58*	*557652.66*	*N 32 1 17.92*	*W 104 8 50.32*
	6500.00	0.00	240.97	6381.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6600.00	0.00	240.97	6481.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6700.00	0.00	240.97	6581.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	6800.00	0.00	240.97	6681.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
First Bone Spring Upper (FBU)	*6860.34*	*0.00*	*240.97*	*6741.56*	*499.41*	*-501.46*	*-903.42*	*0.00*	*371650.58*	*557652.66*	*N 32 1 17.92*	*W 104 8 50.32*
	6900.00	0.00	240.97	6781.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7000.00	0.00	240.97	6881.22	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
First Bone Spring Lower (FBL)	*7047.66*	*0.00*	*240.97*	*6928.88*	*499.41*	*-501.46*	*-903.42*	*0.00*	*371650.58*	*557652.66*	*N 32 1 17.92*	*W 104 8 50.32*
Build 10°/100ft	7077.66	0.00	240.97	6958.88	499.41	-501.46	-903.42	0.00	371650.58	557652.66	N 32 1 17.92	W 104 8 50.32
	7100.00	2.23	179.87	6981.22	499.84	-501.90	-903.42	10.00	371650.15	557652.66	N 32 1 17.92	W 104 8 50.32
	7200.00	12.23	179.87	7080.30	512.42	-514.47	-903.39	10.00	371637.57	557652.69	N 32 1 17.79	W 104 8 50.32
	7300.00	22.23	179.87	7175.69	542.01	-544.06	-903.32	10.00	371607.99	557652.76	N 32 1 17.50	W 104 8 50.32
Second Bone Spring Upper (SBU)	*7389.43*	*31.18*	*179.87*	*7255.49*	*582.16*	*-584.21*	*-903.23*	*10.00*	*371567.84*	*557652.85*	*N 32 1 17.10*	*W 104 8 50.32*
	7400.00	32.23	179.87	7264.49	587.72	-589.77	-903.22	10.00	371562.28	557652.86	N 32 1 17.05	W 104 8 50.32
	7500.00	42.23	179.87	7344.00	648.15	-650.20	-903.08	10.00	371501.86	557653.00	N 32 1 16.45	W 104 8 50.32
	7600.00	52.23	179.87	7411.82	721.47	-723.52	-902.91	10.00	371428.55	557653.17	N 32 1 15.73	W 104 8 50.32
	7700.00	62.23	179.87	7465.87	805.45	-807.50	-902.71	10.00	371344.57	557653.37	N 32 1 14.89	W 104 8 50.31
	7800.00	72.23	179.87	7504.51	897.54	-899.59	-902.50	10.00	371252.49	557653.58	N 32 1 13.98	W 104 8 50.31
	7900.00	82.23	179.87	7526.58	994.95	-997.00	-902.28	10.00	371155.09	557653.80	N 32 1 13.02	W 104 8 50.31
SBUT1_TGT1	*7974.67*	*89.70*	*179.87*	*7531.83*	*1069.38*	*-1071.43*	*-902.11*	*10.00*	*371080.67*	*557653.97*	*N 32 1 12.28*	*W 104 8 50.31*
FTP Cross	*7978.24*	*90.06*	*179.87*	*7531.84*	*1072.95*	*-1075.00*	*-902.10*	*10.00*	*371077.10*	*557653.98*	*N 32 1 12.25*	*W 104 8 50.31*
Landing Point	7978.32	90.07	179.87	7531.84	1073.03	-1075.08	-902.10	10.00	371077.02	557653.98	N 32 1 12.25	W 104 8 50.31
SBUT1_TGT1	*7984.72*	*90.07*	*179.87*	*7531.83*	*1079.43*	*-1081.48*	*-902.08*	*0.00*	*371070.61*	*557654.00*	*N 32 1 12.18*	*W 104 8 50.31*
	8000.00	90.07	179.87	7531.81	1094.71	-1096.76	-902.05	0.00	371055.34	557654.03	N 32 1 12.03	W 104 8 50.31
	8100.00	90.07	179.87	7531.70	1194.71	-1196.76	-901.82	0.00	370955.35	557654.26	N 32 1 11.04	W 104 8 50.31
	8200.00	90.07	179.87	7531.58	1294.71	-1296.76	-901.59	0.00	370855.36	557654.49	N 32 1 10.05	W 104 8 50.31
	8300.00	90.07	179.87	7531.47	1394.71	-1396.76	-901.36	0.00	370755.37	557654.72	N 32 1 9.06	W 104 8 50.31
	8400.00	90.07	179.87	7531.35	1494.71	-1496.76	-901.13	0.00	370655.37	557654.95	N 32 1 8.07	W 104 8 50.31
	8500.00	90.07	179.87	7531.23	1594.71	-1596.76	-900.90	0.00	370555.38	557655.18	N 32 1 7.08	W 104 8 50.31
	8600.00	90.07	179.87	7531.12	1694.71	-1696.76	-900.67	0.00	370455.39	557655.41	N 32 1 6.09	W 104 8 50.31
	8700.00	90.07	179.87	7531.00	1794.71	-1796.76	-900.44	0.00	370355.40	557655.64	N 32 1 5.10	W 104 8 50.31
	8800.00	90.07	179.87	7530.89	1894.71	-1896.76	-900.21	0.00	370255.41	557655.87	N 32 1 4.12	W 104 8 50.31
	8900.00	90.07	179.87	7530.77	1994.71	-1996.76	-899.97	0.00	370155.42	557656.11	N 32 1 3.13	W 104 8 50.31
	9000.00	90.07	179.87	7530.65	2094.71	-2096.76	-899.74	0.00	370055.43	557656.34	N 32 1 2.14	W 104 8 50.31
	9100.00	90.07	179.87	7530.54	2194.71	-2196.76	-899.51	0.00	369955.44	557656.57	N 32 1 1.15	W 104 8 50.31
	9200.00	90.07	179.87	7530.42	2294.71	-2296.76	-899.28	0.00	369855.45	557656.80	N 32 1 0.16	W 104 8 50.30
	9300.00	90.07	179.87	7530.31	2394.71	-2396.76	-899.05	0.00	369755.46	557657.03	N 32 0 59.17	W 104 8 50.30
	9400.00	90.07	179.87	7530.19	2494.71	-2496.76	-898.82	0.00	369655.47	557657.26	N 32 0 58.18	W 104 8 50.30
	9500.00	90.07	179.87	7530.08	2594.71	-2596.76	-898.59	0.00	369555.48	557657.49	N 32 0 57.19	W 104 8 50.30
	9600.00	90.07	179.87	7529.96	2694.71	-2696.75	-898.36	0.00	369455.49	557657.72	N 32 0 56.20	W 104 8 50.30
	9700.00	90.07	179.87	7529.84	2794.71	-2796.75	-898.13	0.00	369355.49	557657.95	N 32 0 55.21	W 104 8 50.30
	9800.00	90.07	179.87	7529.73	2894.71	-2896.75	-897.90	0.00	369255.50	557658.18	N 32 0 54.22	W 104 8 50.30
	9900.00	90.07	179.87	7529.61	2994.71	-2996.75	-897.67	0.00	369155.51	557658.41	N 32 0 53.23	W 104 8 50.30
	10000.00	90.07	179.87	7529.50	3094.71	-3096.75	-897.44	0.00	369055.52	557658.64	N 32 0 52.24	W 104 8 50.30
	10100.00	90.07	179.87	7529.38	3194.71	-3196.75	-897.21	0.00	368955.53	557658.87	N 32 0 51.25	W 104 8 50.30
	10200.00	90.07	179.87	7529.27	3294.71	-3296.75	-896.98	0.00	368855.54	557659.10	N 32 0 50.26	W 104 8 50.30
	10300.00	90.07	179.87	7529.15	3394.71	-3396.75	-896.75	0.00	368755.55	557659.33	N 32 0 49.27	W 104 8 50.30
	10400.00	90.07	179.87	7529.03	3494.71	-3496.75	-896.52	0.00	368655.56	557659.56	N 32 0 48.28	W 104 8 50.30
	10500.00	90.07	179.87	7528.92	3594.71	-3596.75	-896.29	0.00	368555.57	557659.79	N 32 0 47.29	W 104 8 50.30
	10600.00	90.07	179.87	7528.80	3694.71	-3696.75	-896.06	0.00	368455.58	557660.02	N 32 0 46.30	W 104 8 50.30
	10700.00	90.07	179.87	7528.69	3794.71	-3796.75	-895.83	0.00	368355.59	557660.25	N 32 0 45.31	W 104 8 50.29
	10800.00	90.07	179.87	7528.57	3894.71	-3896.75	-895.60	0.00	368255.60	557660.48	N 32 0 44.32	W 104 8 50.29
	10900.00	90.07	179.87	7528.46	3994.71	-3996.75	-895.37	0.00	368155.61	557660.71	N 32 0 43.33	W 104 8 50.29
	11000.00	90.07	179.87	7528.34	4094.71	-4096.75	-895.14	0.00	368055.61	557660.94	N 32 0 42.34	W 104 8 50.29
	11100.00	90.07	179.87	7528.22	4194.71	-4196.75	-894.91	0.00	367955.62	557661.17	N 32 0 41.35	W 104 8 50.29
	11200.00	90.07	179.87	7528.11	4294.71	-4296.75	-894.68	0.00	367855.63	557661.40	N 32 0 40.37	W 104 8 50.29
	11300.00	90.07	179.87	7527.99	4394.71	-4396.75	-894.44	0.00	367755.64	557661.63	N 32 0 39.38	W 104 8 50.29
	11400.00	90.07	179.87	7527.88	4494.71	-4496.75	-894.21	0.00	367655.65	557661.86	N 32 0 38.39	W 104 8 50.29
	11500.00	90.07	179.87	7527.76	4594.71	-4596.75	-893.98	0.00	367555.66	557662.10	N 32 0 37.40	W 104 8 50.29
	11600.00	90.07	179.87	7527.65	4694.71	-4696.75	-893.75	0.00	367455.67	557662.33	N 32 0 36.41	W 104 8 50.29
	11700.00	90.07	179.87	7527.53	4794.71	-4796.75	-893.52	0.00	367355.68	557662.56	N 32 0 35.42	W 104 8 50.29
	11800.00	90.07	179.87	7527.41	4894.71	-4896.75	-893.29	0.00	367255.69	557662.79	N 32 0 34.43	W 104 8 50.29
	11900.00	90.07	179.87	7527.30	4994.71	-4996.75	-893.06	0.00	367155.70	557663.02	N 32 0 33.44	W 104 8 50.29
	12000.00	90.07	179.87	7527.18	5094.71	-5096.75	-892.83	0.00	367055.71	557663.25	N 32 0 32.45	W 104 8 50.29
	12100.00	90.07	179.87	7527.07	5194.71	-5196.75	-892.60	0.00	366955.72	557663.48	N 32 0 31.46	W 104 8 50.29
	12200.00	90.07	179.87	7526.95	5294.71	-5296.75	-892.37	0.00	366855.73	557663.71	N 32 0 30.47	W 104 8 50.28
	12300.00	90.07	179.87	7526.84	5394.71	-5396.75	-892.14	0.00	366755.73	557663.94	N 32 0 29.48	W 104 8 50.28
	12400.00	90.07	179.87	7526.72	5494.71	-5496.75	-891.91	0.00	366655.74	557664.17	N 32 0 28.49	W 104 8 50.28
	12500.00	90.07	179.87	7526.60	5594.71	-5596.75	-891.68	0.00	366555.75	557664.40	N 32 0 27.50	W 104 8 50.28
	12600.00	90.07	179.87	7526.49	5694.71	-5696.74	-891.45	0.00	366455.76	557664.63	N 32 0 26.51	W 104 8 50.28
	12700.00	90.07	179.87	7526.37	5794.71	-5796.74	-891.22	0.00	366355.77	557664.86	N 32 0 25.52	W 104 8 50.28
	12800.00	90.07	179.87	7526.26	5894.71	-5896.74	-890.99	0.00	366255.78	557665.09	N 32 0 24.53	W 104 8 50.28
	12900.00	90.07	179.87	7526.14	5994.71	-5996.74	-890.76	0.00	366155.79	557665.32	N 32 0 23.54	W 104 8 50.28
	13000.00	90.07	179.87	7526.03	6094.71	-6096.74	-890.53	0.00	366055.80	557665.55	N 32 0 22.55	W 104 8 50.28
	13100.00	90.07	179.87	7525.91	6194.71	-6196.74	-890.30	0.00	365955.81	557665.78	N 32 0 21.56	W 104 8 50.28
MP, Turn 2°/100ft	13194.82	90.07	179.87	7525.80	6289.52	-6291.56	-890.08	0.00	365861.00	557666.00	N 32 0 20.62	W 104 8 50.28
Hold	13195.17	90.07	179.86	7525.80	6289.88	-6291.91	-890.08	2.00	365860.65	557666.00	N 32 0 20.62	W 104 8 50.28
	13200.00	90.07	179.86	7525.79	6294.71	-6296.74	-890.07	0.00	365855.82	557666.01	N 32 0 20.57	W 104 8 50.28
	13300.00	90.07	179.86	7525.67	6394.71	-6396.74	-889.83	0.00	365755.83	557666.25	N 32 0 19.58	W 104 8 50.28
	13400.00	90.07	179.86	7525.55	6494.71	-6496.74	-889.59	0.00	365655.84	557666.49	N 32 0 18.59	W 104 8 50.28
	13500.00	90.07	179.86	7525.42	6594.71	-6596.74	-889.35	0.00	365555.85	557666.73	N 32 0 17.60	W 104 8 50.28
	13600.00	90.07	179.86	7525.30	6694.71	-6696.74	-889.11	0.00	365455.85	557666.97	N 32 0 16.62	W 104 8 50.27
	13700.00	90.07	179.86	7525.18	6794.71	-6796.74	-888.87	0.00	365355.86	557667.21	N 32 0 15.63	W 104 8 50.27
	13800.00	90.07	179.86	7525.05	6894.71	-6896.74	-888.63	0.00	365255.87	557667.45	N 32 0 14.64	W 104 8 50.27
	13900.00	90.07	179.86	7524.93	6994.71	-6996.74	-888.39	0.00	365155.88	557667.69	N 32 0 13.65	W 104 8 50.27
	14000.00	90.07	179.86	7524.81	7094.71	-7096.74	-888.15	0.00	365055.89	557667.93	N 32 0 12.66	W 104 8 50.27
	14100.00	90.07	179.86	7524.68	7194.71	-7196.74	-887.91	0.00	364955.90	557668.17	N 32 0 11.67	W 104 8 50.27
	14200.00	90.07	179.86	7524.56	7294.71	-7296.74	-887.67	0.00	364855.91	557668.41	N 32 0 10.68	W 104 8 50.27
	14300.00	90.07	179.86	7524.44	7394.71	-7396.74	-887.43	0.00	364755.92	557668.65	N 32 0 9.69	W 104 8 50.27
	14400.00	90.07	179.86	7524.31	7494.71	-7496.74	-887.19	0.00	364655.93	557668.89	N 32 0 8.70	W 104 8 50.27
	14500.00	90.07	179.86	7524.19	7594.71	-7596.74	-886.95	0.00	364555.94	557669.13	N 32 0 7.71	W 104 8 50.27
	14600.00	90.07	179.86	7524.07	7694.71	-7696.74	-886.71	0.00	364455.95	557669.37	N 32 0 6.72	W 104 8 50.27
	14700.00	90.07	179.86	7523.94	7794.71	-7796.74	-886.47	0.00	364355.96	557669.61	N 32 0 5.73	W 104 8 50.27
	14800.00	90.07	179.86	7523.82	7894.71	-7896.74	-886.23	0.00	364255.97	557669.85	N 32 0 4.74	W 104 8 50.27
	14900.00	90.07	179.86	7523.70	7994.71	-7996.74	-885.99	0.00	364155.98	557670.09	N 32 0 3.75	W 104 8 50.26
	15000.00	90.07	179.86	7523.57	8094.71	-8096.74	-885.75	0.00	364055.98	557670.33	N 32 0 2.76	W 104 8 50.26
	15100.00	90.07	179.86	7523.45	8194.71	-8196.74	-885.51	0.00	363955.99	557670.57	N 32 0 1.77	W 104 8 50.26
	15200.00	90.07	179.86	7523.33	8294.71	-8296.74	-885.27	0.00	363856.00	557670.81	N 32 0 0.78	W 104 8 50.26
LTP Cross	*15227.96*	*90.07*	*179.86*	*7523.29*	*8322.67*	*-8324.70*	*-885.20*	*0.00*	*363828.04*	*557670.88*	*N 32 0 0.51*	*W 104 8 50.26*
Baileys 25 36 State Com P44 No. 2H BHL	15278.01	90.07	179.86	7523.23	8372.72	-8374.75	-885.08	0.00	363778.00	557671.00	N 32 0 0.01	W 104 8 50.26

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/100.000	30.000	30.000		B001Mb_MWD+HRGM-Depth Only	Baileys 25 36 State Com P44 No. 2H / Baileys 25 36 State Com P44 No. 2H R0 mdv 14July22
	1	28.000	15278.010	1/100.000	30.000	30.000		B001Mb_MWD+HRGM	Baileys 25 36 State Com P44 No. 2H / Baileys 25 36 State Com P44

H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

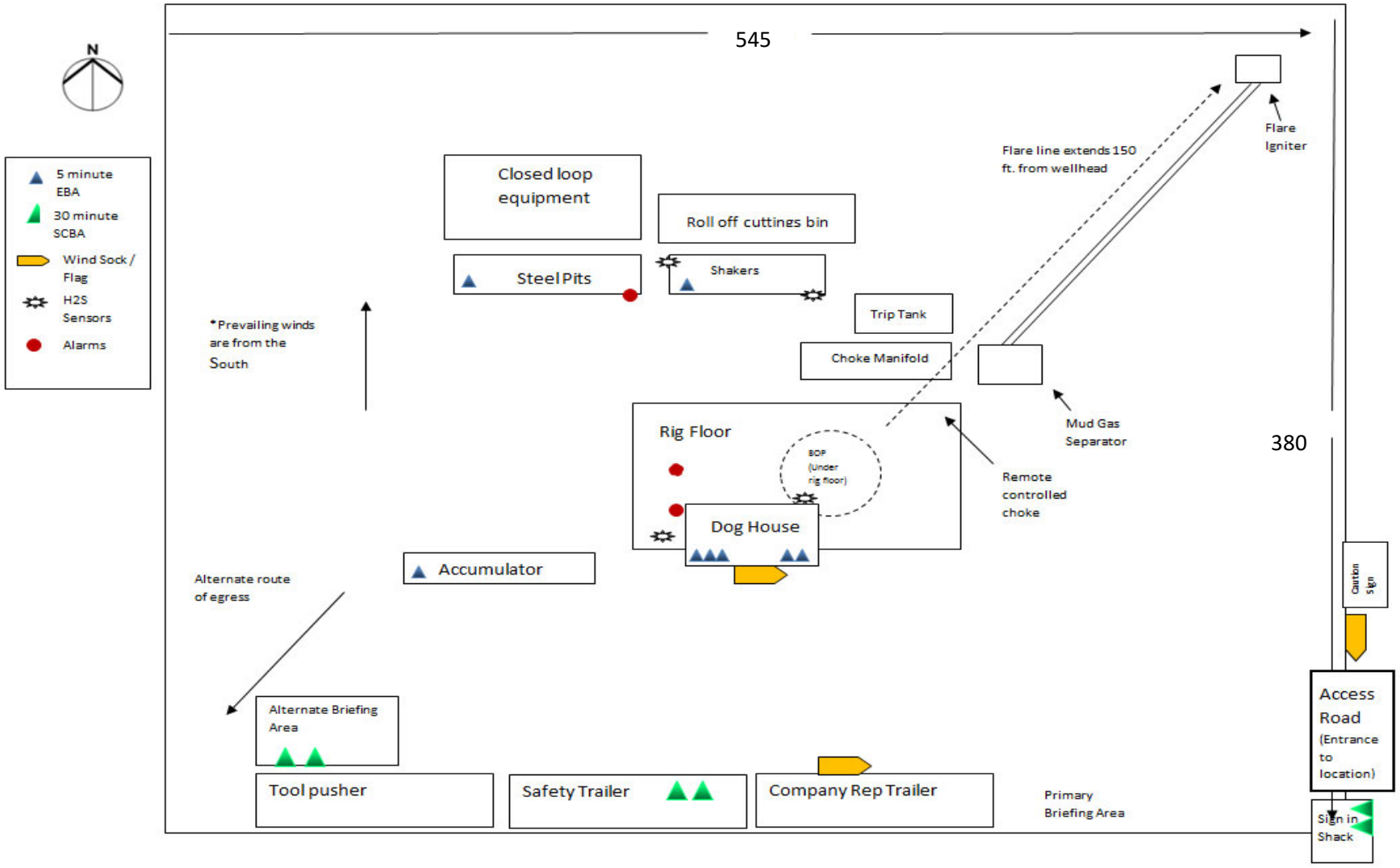
In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Eddy County Sheriff's Department	575-887-7551
Carlsbad Fire Department	575-885-3125
Carlsbad Medical Center	575-887-4100
Eddy County Emergency Management	575-885-3581
Poison Control Center	800-222-1222

H_2S Preparedness and Contingency Plan Summary



State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Chevron USA **OGRID:** 4323 **Date:** 7 / 11 / 22

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
BAILEYS 25 36 STATE COM P44 1H	*Pending*	UL:N, Sec 34, T26S-R27E	975'FSL, 2261' FWL	1635 BBL/D	5841 MCF/D	2089 BBL/D
BAILEYS 25 36 STATE COM P44 2H	*Pending*	UL:N, Sec 34, T26S-R27E	975'FSL, 2286' FWL	1635 BBL/D	5841 MCF/D	2089 BBL/D
BAILEYS 25 36 STATE COM P44 3H	*Pending*	UL:N, Sec 34, T26S-R27E	975'FSL, 2311' FWL	1635 BBL/D	5841 MCF/D	2089 BBL/D
BAILEYS 25 36 STATE COM P44 4H	*Pending*	UL:N, Sec 34, T26S-R27E	975'FSL, 2336' FWL	1635 BBL/D	5841 MCF/D	2089 BBL/D

IV. Central Delivery Point Name: Hayhurst NM CTB 25 [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
BAILEYS 25 36 STATE COM P44 1H	*Pending*	July 2024	N/A	N/A	N/A	N/A
BAILEYS 25 36 STATE COM P44 2H	*Pending*	July 2024	N/A	N/A	N/A	N/A
BAILEYS 25 36 STATE COM P44 3H	*Pending*	July 2024	N/A	N/A	N/A	N/A
BAILEYS 25 36 STATE COM P44 4H	*Pending*	July 2024	N/A	N/A	N/A	N/A

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Carol Adler
Printed Name: Carol Adler
Title: Sr. Regulatory Affairs Coordinator
E-mail Address: caroladler@chevron.com
Date: 8/3/2022
Phone: (432) 687-7148

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment:
Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:
1. General Requirements for Venting and Flaring of Natural Gas:
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:
- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:
- Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
- Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.
- Chevron does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

6. Measurement or Estimation of Vented and Flared Natural Gas

- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.