State of New Mexico
Energy, Minerals and Natural Resources Department

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 9/30/2020
Operator: XTO PERMIAN **Well Name and Number:** James Ranch Unit DI 1A Ennis #115H
API#:30-015-47514, **Section:** 21, **Township:** 21S, **Range:** 30 E

Conditions of Approval: (See the below checked and handwritten conditions)

X Notify Aztec OCD 24hrs prior to casing & cement.

X If cement doesn't circulate on any casing string or stage tool a CBL will be required. Contact the regulatory agencies prior to proceeding.

☒ Hold C-104 for directional survey & "As Drilled" Plat

☐ Hold C-104 for: ☐ NSL, ☐ NSP, ☐ DHC, ☐ 5.9 Compliance

☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned

X Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:

- A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
- A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
- A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C

X 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 freshwater zone or zones and shall immediately set in cement the water protection string

☐ Submit Gas Capture Plan form prior to spudding or initiating recompletion operations

X Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84

X 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.

X Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

NMOCD Approved by Signature

10-01-2020
Date

The well Letter after the skid well will contain the letter H to comply with the active horizontal well and to comply with OCD's well name/numbering convention; the Letter Y will be placed on the plugged well see API 30-015-45611

Form 3160-3
(June 2019)

NMOCD REC'D
9/30/20

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

5. Lease Serial No.
NMNM06808

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.
NMNM070965X

8. Lease Name and Well No.
James Ranch Unit DI 1A Ennis 115Y H

2. Name of Operator
XTO PERMIAN OPERATING, LLC

9. API Well No.
30-015-47514

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory
6401 HOLIDAY HILL RD, BLDG 5, MIDLAND, TX 79707	(432) 620-4374	LOS MEDANOS WOLFCAMP

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SWNE 1608' FNL & 2655' FEL

At proposed prod. zone SESW 330' FSL & 2590' FWL, SEC. 23-T22S-R30E

11. Sec., T. R. M. or Blk. and Survey or Area
SEC. 21-T22S-R30E

14. Distance in miles and direction from nearest town or post office*

12. County or Parish
EDDY

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
1608'	480	320

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
30'	10912' TVD / 21833' MD	FED: COB000050

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3160' GL	10/02/2020	90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
Kelly Kardos	Kelly Kardos	09/30/2020

Title
Regulatory Coordinator

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
	Cody R. Layton	09/30/2020
Title	**Office**	
AFM-CFO	CFO	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

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

- Will require a directional survey with the C-104

SL

KP 10/1/2020 GEO Review

(Continued on page 2)

*(Instructions on page 2)

AV

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 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- 47514	96597	LOS MEDANOS; WOLFCAMP

[4] Property Code	[5] Property Name	[6] Well Number
328259	JAMES RANCH UNIT DI 1A ENNIS	115Y H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,160'

[10] Surface Location

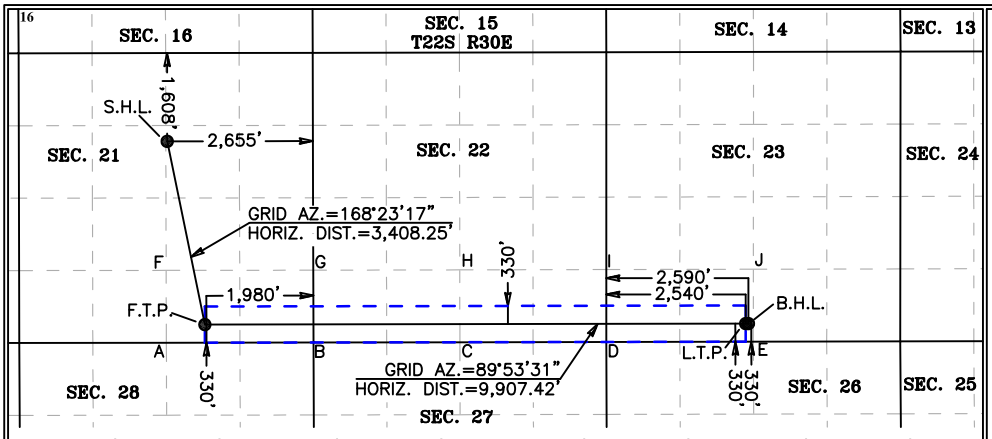
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	21	22S	30E		1,608	NORTH	2,655	EAST	EDDY

[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
N	23	22S	30E		330	SOUTH	2,590	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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.



SHL (NAD83 NME)	LTP (NAD83 NME)	SHL (NAD27 NME)	LTP (NAD27 NME)
Y = 502,458.7	Y = 499,138.8	Y = 502,397.9	Y = 499,078.3
X = 679,370.3	X = 689,913.8	X = 638,188.8	X = 648,732.1
LAT. = 32.380535 °N	LAT. = 32.371284 °N	LAT. = 32.380412 °N	LAT. = 32.371161 °N
LONG. = 103.886194 °W	LONG. = 103.852090 °W	LONG. = 103.885699 °W	LONG. = 103.851596 °W
FTP (NAD83 NME)	**BHL (NAD83 NME)**	**FTP (NAD27 NME)**	**BHL (NAD27 NME)**
Y = 499,120.2	Y = 499,138.9	Y = 499,059.5	Y = 499,078.3
X = 680,056.4	X = 689,963.8	X = 638,874.6	X = 648,782.1
LAT. = 32.371350 °N	LAT. = 32.371283 °N	LAT. = 32.371227 °N	LAT. = 32.371161 °N
LONG. = 103.884018 °W	LONG. = 103.851928 °W	LONG. = 103.883523 °W	LONG. = 103.851434 °W

CORNER COORDINATES (NAD83 NME)		CORNER COORDINATES (NAD27 NME)	
A - Y = 498,789.0 N ,	X = 679,354.8 E	A - Y = 498,728.3 N ,	X = 638,173.1 E
B - Y = 498,793.4 N ,	X = 682,037.5 E	B - Y = 498,732.7 N ,	X = 640,855.8 E
C - Y = 498,797.8 N ,	X = 684,704.4 E	C - Y = 498,737.2 N ,	X = 643,522.8 E
D - Y = 498,804.6 N ,	X = 687,373.7 E	D - Y = 498,744.1 N ,	X = 646,192.0 E
E - Y = 498,809.0 N ,	X = 690,051.3 E	E - Y = 498,748.5 N ,	X = 648,869.7 E
F - Y = 500,108.0 N ,	X = 679,351.4 E	F - Y = 500,047.2 N ,	X = 638,169.7 E
G - Y = 500,111.7 N ,	X = 682,032.9 E	G - Y = 500,051.0 N ,	X = 640,851.2 E
H - Y = 500,117.1 N ,	X = 684,702.7 E	H - Y = 500,056.5 N ,	X = 643,521.1 E
I - Y = 500,123.7 N ,	X = 687,374.1 E	I - Y = 500,063.2 N ,	X = 646,192.4 E
J - Y = 500,128.8 N ,	X = 690,052.6 E	J - Y = 500,068.3 N ,	X = 648,870.9 E

[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.

Kelly Kardos — 09-29-20
Signature — Date

Kelly Kardos
Printed Name

kelly_kardos@xtoenergy.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.

09-29-2020
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number — AW — 2020091349

P:\PROJECTS\2020\2020091349-XTO-JRU_DI_1A_ENNIS_115Y-EDDY\DWG\2020091349-XTO-JAMES_RANCH_UNIT_DI_1A_ENNIS_115Y_C-102.dwg

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM02953

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891000558X

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
JAMES RANCH UNIT DI 1A ENNIS 115H Y

2. Name of Operator
XTO PERMIAN OPERATING LLC
Contact: KELLY KARDOS
E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.
30-015-45611-00-X1

3a. Address
6401 HOLIDAY HILL ROAD BLDG 5
MIDLAND, TX 79707

3b. Phone No. (include area code)
Ph: 432-620-4374

10. Field and Pool or Exploratory Area
WILDCAT

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 21 T22S R30E SENW 1608FNL 2605FEL
32.380890 N Lat, 103.886826 W Lon

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

XTO Permian Operating, LLC requests permission to skid the rig 50? west to re-drill the wellbore lost on the 115H and to change the number to 115Y. A form 3160-3 and associated APD documents for the James Ranch Unit DI 1A Ennis 115Y are attached.

Old SHL: 1608'FNL & 2605FEL
New SHL: 1608'FNL & 2655'FEL

The well Letter after the skid well will contain the letter H to comply with the active horizontal well and to comply with OCD's well name/numbering convention; the Letter Y will be placed on the plugged well see API 30-015-45611

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

Electronic Submission #532238 verified by the BLM Well Information System
For XTO PERMIAN OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 09/30/2020 (20DMH0188SE)

Name *(Printed/Typed)* KELLY KARDOS — Title REGULATORY COORDINATOR

Signature (Electronic Submission) — Date 09/30/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By — Title PETM LCM — Date 09/30/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

Intent [X] As Drilled [ ]

API #

Operator Name:	Property Name:	Well Number
XTO PERMIAN OPERATING, LLC	JAMES RANCH UNIT DI 1A ENNIS	115~~Y~~ H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	21	22S	30E		1608	NORTH	2655	EAST	EDDY

Latitude	Longitude	NAD
32.380535	-103.886194	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	21	22S	30E		330	SOUTH	1980	EAST	EDDY

Latitude	Longitude	NAD
32.371350	-103.884018	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	23	22S	30E		330	SOUTH	2540	WEST	EDDY

Latitude	Longitude	NAD
32.371284	-103.852090	83

Is this well the defining well for the Horizontal Spacing Unit? [Y]

Is this well an infill well? [N]

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
XTO PERMIAN OPERATING, LLC		

KZ 06/29/2018

4. Cement Program

Surface Casing: 16", 75 New J-55, BTC casing to be set at +/- 529'

Lead: 190 sxs Class C (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 340 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Compressives: 12-hr = 250 psi 24 hr = 500 psi

Top of Cement: Surface

Two additional 1" top out jobs will be attempted after the surface cement job. If the top of cement is not affected by the two top out jobs, ~10-20 ppb gravel will be added on the backside of the 1" to attempt to get cement to surface.

1st Intermediate Casing: 11-3/4", 47 New J-55, BTC casing to be set at +/- 3377'

Lead: 1910 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.39 ft3/sx, 10.13 gal/sx water)
Tail: 190 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Top of Cement: Surface

2nd Intermediate Casing: 8-5/8", 32 New HCL-80, BTC casing to be set at +/- 10800'
ECP/DV Tool to be set at 3477'
1st Stage

Lead: 1350 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 2.11 ft3/sx, 9.61 gal/sx water)
Tail: 170 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.2 ft3/sx, 6.39 gal/sx water)
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Stage

Lead: 30 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 150 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Top of Cement: 200' inside previous casing shoe

Production Casing: 5-1/2", 20 New CYP-110, Semi-Premium casing to be set at +/- 21833'

Tail: 2250 sxs VersaCem (mixed at 13.2 ppg, 1.14 ft3/sx, 8.38 gal/sx water) Top of Cement: 10300 feet
Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

5. Pressure Control Equipment

The blow out preventer equipment (BOP) on surface casing temporary wellhead will consist of a 21-1/4" minimum 2M Hydril. MASP should not exceed 1031 psi.

Once the permanent WH is installed on the 11-3/4" casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 3330 psi.In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 11-3/4", 5M bradenhead and flange, the BOP test will be limited to 5M psi. When nippling up on the 8-5/8", the BOP will be tested to a minimum of 5M psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

XTO ENERGY

Company: XTO Energy Inc.
Field: Eddy County, NM
Location: James Ranch Unit DI 1A Ennis
Well: 115Y
OH
Plan: Plan 2
GL 3159.99 + 33' KB @ 3192.99usft

Azimuths to Grid North
True North: -0.24°
Magnetic North: 6.56°

Magnetic Field
Strength: 47631.8nT
Dip Angle: 60.02°
Date: 9/29/2020
Model: WMM2020

To convert a Magnetic Direction to a Grid Direction, Add 6.56°

LEGACY DIRECTIONAL

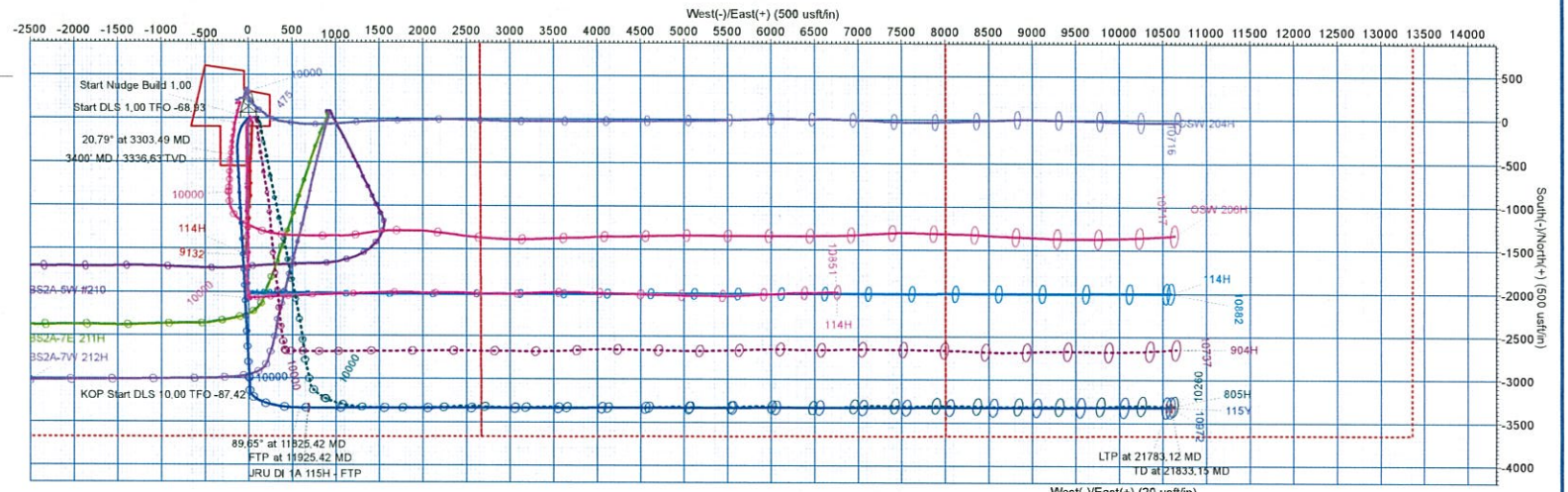
WELL DETAILS: 115Y

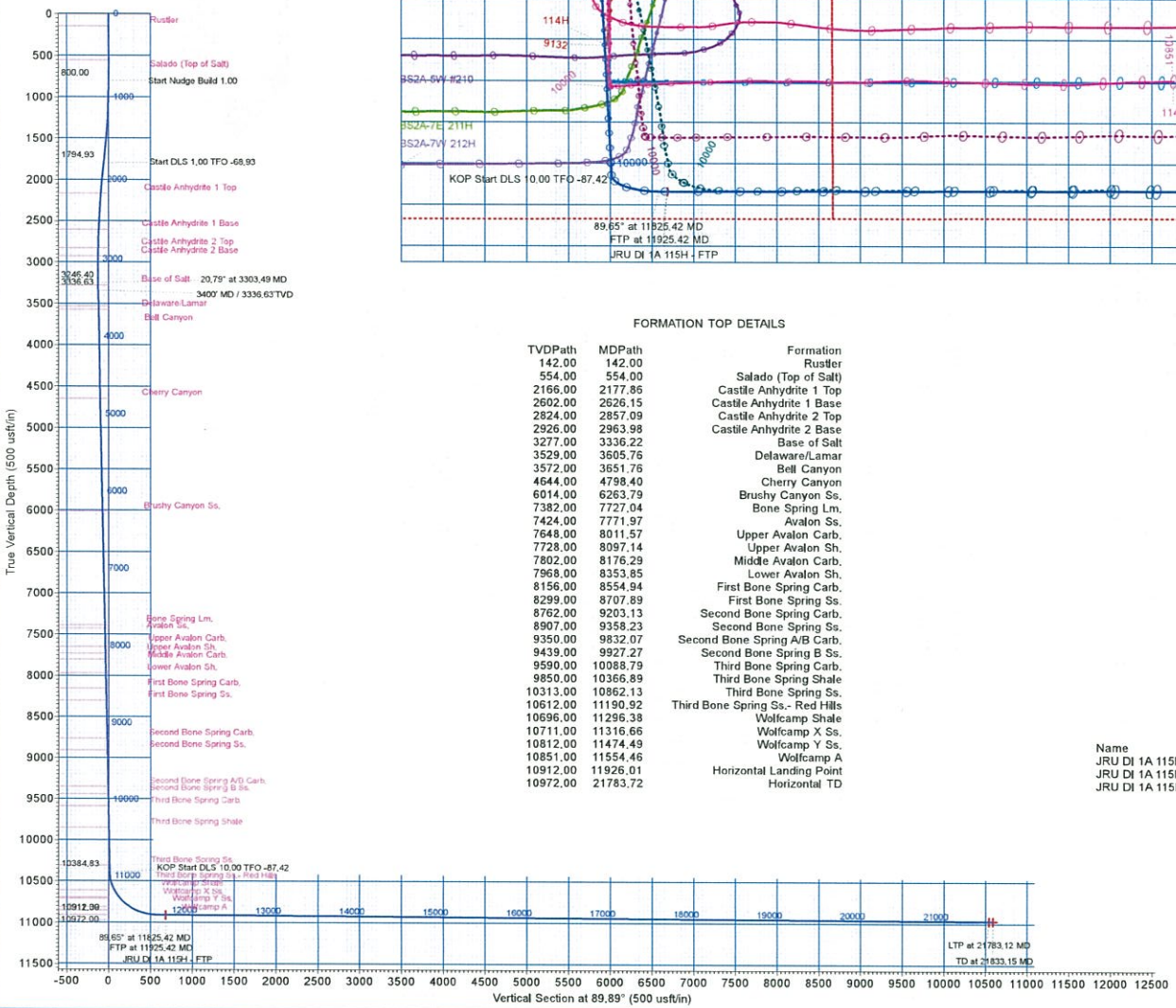
GL 3159.99 + 33' KB @ 3192.99usft 3159.99

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	502397.90	638188.80	32.380412	-103.885699	

PROJECT DETAILS: Eddy County, NM

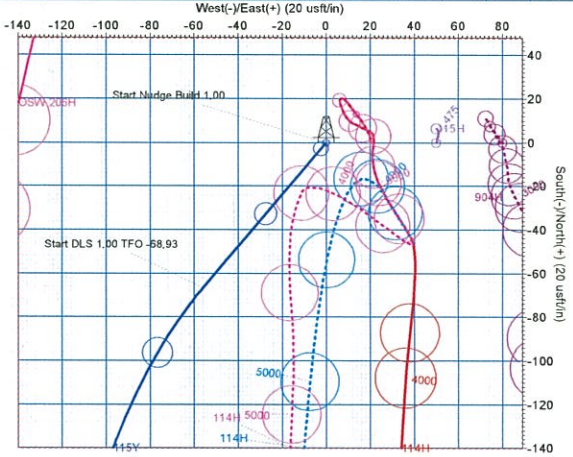
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
142.00	142.00	Rustler
554.00	554.00	Salado (Top of Salt)
2166.00	2177.86	Castile Anhydrite 1 Top
2602.00	2626.15	Castile Anhydrite 1 Base
2824.00	2857.09	Castile Anhydrite 2 Top
2926.00	2963.98	Castile Anhydrite 2 Base
3277.00	3336.22	Base of Salt
3529.00	3605.76	Delaware/Lamar
3572.00	3651.76	Bell Canyon
4644.00	4798.40	Cherry Canyon
6014.00	6263.79	Brushy Canyon Ss.
7382.00	7727.04	Bone Spring Lm.
7424.00	7771.97	Avalon Ss.
7648.00	8011.57	Upper Avalon Carb.
7728.00	8097.14	Upper Avalon Sh.
7802.00	8176.29	Middle Avalon Carb.
7968.00	8353.85	Lower Avalon Sh.
8156.00	8554.94	First Bone Spring Carb.
8299.00	8707.89	First Bone Spring Ss.
8762.00	9203.13	Second Bone Spring Carb.
8907.00	9358.23	Second Bone Spring Ss.
9350.00	9832.07	Second Bone Spring A/B Carb.
9439.00	9927.27	Second Bone Spring B Ss.
9590.00	10088.79	Third Bone Spring Carb.
9850.00	10366.89	Third Bone Spring Shale
10313.00	10862.13	Third Bone Spring Ss.
10612.00	11190.92	Third Bone Spring Ss.- Red Hills
10696.00	11296.38	Wolfcamp Shale
10711.00	11316.66	Wolfcamp X Ss.
10812.00	11474.49	Wolfcamp Y Ss.
10851.00	11554.46	Wolfcamp A
10912.00	11926.01	Horizontal Landing Point
10972.00	21783.72	Horizontal TD



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
JRU DI 1A 115H - FTP	10912.00	-3338.40	685.80	499059.50	638874.60	32.371227	-103.883523
JRU DI 1A 115H - BHL	10972.00	-3319.60	10593.30	499078.30	648782.10	32.371160	-103.851434
JRU DI 1A 115H - LTP	10972.00	-3319.60	10543.30	499078.30	648732.10	32.371161	-103.851596

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	1800.00	10.00	220.00	1794.93	-66.68	-55.95	1.00	220.00	-56.08	
4	3303.49	20.79	176.99	3246.40	-435.22	-126.27	1.00	-68.93	-127.11	
5	10938.96	20.79	176.99	10384.83	-3141.34	15.82	0.00	0.00	9.79	
6	11825.42	89.65	89.89	10911.39	-3338.59	585.80	10.00	-87.42	579.39	
7	11925.42	89.65	89.89	10912.00	-3338.40	685.80	0.00	0.00	679.39	JRU DI 1A 115H - FTP
8	21783.12	89.65	89.89	10972.00	-3319.60	10543.30	0.00	0.00	10536.91	JRU DI 1A 115H - LTP
9	21833.15	89.65	89.89	10972.30	-3319.50	10593.33	0.00	0.00	10586.94	JRU DI 1A 115H - BHL

Plan: Plan 2 (115Y/OH)
Created By: Jenna Killgallon/Ellis 16:55, September 29 2020

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 115Y
Company:	XTO Energy Inc.	**TVD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Project:	Eddy County, NM	**MD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Site:	James Ranch Unit DI 1A Ennis	**North Reference:**	Grid
Well:	115Y	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Project	Eddy County, NM		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	James Ranch Unit DI 1A Ennis				
Site Position:		**Northing:**	502,397.90 usft	**Latitude:**	32.380412
From:	Map	**Easting:**	638,208.80 usft	**Longitude:**	-103.885635
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.24 °

Well	115Y				
Well Position	**+N/-S**	0.00 usft	**Northing:**	502,397.90 usft	**Latitude:**	32.380412
	+E/-W	-20.00 usft	**Easting:**	638,188.80 usft	**Longitude:**	-103.885700
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,159.99 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	WMM2020	9/29/2020	6.80	60.02	47,631.77024785

Design	Plan 2				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	89.89

Plan Survey Tool Program **Date** 9/29/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	21,833.15	Plan 2 (OH)	MWD+IFR1+FDIR	
				OWSG MWD + IFR1 + FDIR C	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	10.00	220.00	1,794.93	-66.68	-55.95	1.00	1.00	0.00	220.00	
3,303.49	20.79	176.99	3,246.40	-435.22	-126.27	1.00	0.72	-2.86	-68.93	
10,938.96	20.79	176.99	10,384.83	-3,141.34	15.82	0.00	0.00	0.00	0.00	
11,825.42	89.65	89.89	10,911.39	-3,338.59	585.80	10.00	7.77	-9.83	-87.42	
11,925.42	89.65	89.89	10,912.00	-3,338.40	685.80	0.00	0.00	0.00	0.00	JRU DI 1A 115H - FTI
21,783.12	89.65	89.89	10,972.00	-3,319.60	10,543.30	0.00	0.00	0.00	0.00	JRU DI 1A 115H - LTF
21,833.15	89.65	89.89	10,972.30	-3,319.50	10,593.33	0.00	0.00	0.00	0.00	JRU DI 1A 115H - BH

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 115Y
Company:	XTO Energy Inc.	**TVD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Project:	Eddy County, NM	**MD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Site:	James Ranch Unit DI 1A Ennis	**North Reference:**	Grid
Well:	115Y	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,100.00	20.79	176.99	3,991.06	-717.52	-111.45	-112.83	0.00	0.00	0.00
4,200.00	20.79	176.99	4,084.55	-752.96	-109.59	-111.04	0.00	0.00	0.00
4,300.00	20.79	176.99	4,178.04	-788.40	-107.73	-109.24	0.00	0.00	0.00
4,400.00	20.79	176.99	4,271.53	-823.84	-105.87	-107.45	0.00	0.00	0.00
4,500.00	20.79	176.99	4,365.02	-859.28	-104.01	-105.66	0.00	0.00	0.00
4,600.00	20.79	176.99	4,458.51	-894.73	-102.15	-103.86	0.00	0.00	0.00
4,700.00	20.79	176.99	4,552.01	-930.17	-100.29	-102.07	0.00	0.00	0.00
4,798.40	20.79	176.99	4,644.00	-965.04	-98.45	-100.31	0.00	0.00	0.00
Cherry Canyon									
4,800.00	20.79	176.99	4,645.50	-965.61	-98.42	-100.28	0.00	0.00	0.00
4,900.00	20.79	176.99	4,738.99	-1,001.05	-96.56	-98.49	0.00	0.00	0.00
5,000.00	20.79	176.99	4,832.48	-1,036.49	-94.70	-96.69	0.00	0.00	0.00
5,100.00	20.79	176.99	4,925.97	-1,071.93	-92.84	-94.90	0.00	0.00	0.00
5,200.00	20.79	176.99	5,019.46	-1,107.37	-90.98	-93.11	0.00	0.00	0.00
5,300.00	20.79	176.99	5,112.95	-1,142.81	-89.12	-91.31	0.00	0.00	0.00
5,400.00	20.79	176.99	5,206.44	-1,178.26	-87.26	-89.52	0.00	0.00	0.00
5,500.00	20.79	176.99	5,299.93	-1,213.70	-85.40	-87.73	0.00	0.00	0.00
5,600.00	20.79	176.99	5,393.42	-1,249.14	-83.54	-85.93	0.00	0.00	0.00
5,700.00	20.79	176.99	5,486.91	-1,284.58	-81.68	-84.14	0.00	0.00	0.00
5,800.00	20.79	176.99	5,580.40	-1,320.02	-79.81	-82.35	0.00	0.00	0.00
5,900.00	20.79	176.99	5,673.89	-1,355.46	-77.95	-80.56	0.00	0.00	0.00
6,000.00	20.79	176.99	5,767.38	-1,390.90	-76.09	-78.76	0.00	0.00	0.00
6,100.00	20.79	176.99	5,860.87	-1,426.35	-74.23	-76.97	0.00	0.00	0.00
6,200.00	20.79	176.99	5,954.36	-1,461.79	-72.37	-75.18	0.00	0.00	0.00
6,263.79	20.79	176.99	6,014.00	-1,484.40	-71.18	-74.03	0.00	0.00	0.00
Brushy Canyon Ss.									
6,300.00	20.79	176.99	6,047.85	-1,497.23	-70.51	-73.38	0.00	0.00	0.00
6,400.00	20.79	176.99	6,141.34	-1,532.67	-68.65	-71.59	0.00	0.00	0.00
6,500.00	20.79	176.99	6,234.83	-1,568.11	-66.79	-69.80	0.00	0.00	0.00
6,600.00	20.79	176.99	6,328.32	-1,603.55	-64.93	-68.01	0.00	0.00	0.00
6,700.00	20.79	176.99	6,421.81	-1,638.99	-63.07	-66.21	0.00	0.00	0.00
6,800.00	20.79	176.99	6,515.30	-1,674.43	-61.20	-64.42	0.00	0.00	0.00
6,900.00	20.79	176.99	6,608.79	-1,709.88	-59.34	-62.63	0.00	0.00	0.00
7,000.00	20.79	176.99	6,702.28	-1,745.32	-57.48	-60.83	0.00	0.00	0.00
7,100.00	20.79	176.99	6,795.77	-1,780.76	-55.62	-59.04	0.00	0.00	0.00
7,200.00	20.79	176.99	6,889.26	-1,816.20	-53.76	-57.25	0.00	0.00	0.00
7,300.00	20.79	176.99	6,982.75	-1,851.64	-51.90	-55.45	0.00	0.00	0.00
7,400.00	20.79	176.99	7,076.25	-1,887.08	-50.04	-53.66	0.00	0.00	0.00
7,500.00	20.79	176.99	7,169.74	-1,922.52	-48.18	-51.87	0.00	0.00	0.00
7,600.00	20.79	176.99	7,263.23	-1,957.97	-46.32	-50.08	0.00	0.00	0.00
7,700.00	20.79	176.99	7,356.72	-1,993.41	-44.46	-48.28	0.00	0.00	0.00
7,727.04	20.79	176.99	7,382.00	-2,002.99	-43.95	-47.80	0.00	0.00	0.00
Bone Spring Lm.									
7,771.97	20.79	176.99	7,424.00	-2,018.91	-43.12	-46.99	0.00	0.00	0.00
Avalon Ss.									
7,800.00	20.79	176.99	7,450.21	-2,028.85	-42.59	-46.49	0.00	0.00	0.00
7,900.00	20.79	176.99	7,543.70	-2,064.29	-40.73	-44.70	0.00	0.00	0.00
8,000.00	20.79	176.99	7,637.19	-2,099.73	-38.87	-42.90	0.00	0.00	0.00
8,011.57	20.79	176.99	7,648.00	-2,103.83	-38.66	-42.70	0.00	0.00	0.00
Upper Avalon Carb.									
8,097.14	20.79	176.99	7,728.00	-2,134.16	-37.06	-41.16	0.00	0.00	0.00
Upper Avalon Sh.									
8,100.00	20.79	176.99	7,730.68	-2,135.17	-37.01	-41.11	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 115Y
Company:	XTO Energy Inc.	**TVD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Project:	Eddy County, NM	**MD Reference:**	GL 3159.99 + 33' KB @ 3192.99usft
Site:	James Ranch Unit DI 1A Ennis	**North Reference:**	Grid
Well:	115Y	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,100.00	26.65	138.84	10,533.05	-3,197.43	41.26	35.12	10.00	4.76	-21.60
11,190.92	32.95	125.56	10,612.00	-3,227.22	74.87	68.67	10.00	6.93	-14.60
Third Bone Spring Ss.- Red Hills									
11,200.00	33.64	124.49	10,619.59	-3,230.08	78.95	72.75	10.00	7.63	-11.77
11,296.38	41.46	115.18	10,696.00	-3,258.84	129.94	123.69	10.00	8.11	-9.66
Wolfcamp Shale									
11,300.00	41.76	114.89	10,698.71	-3,259.86	132.12	125.86	10.00	8.46	-8.04
11,316.66	43.18	113.59	10,711.00	-3,264.48	142.38	136.11	10.00	8.51	-7.78
Wolfcamp X Ss.									
11,400.00	50.46	108.00	10,768.02	-3,285.86	199.17	192.86	10.00	8.73	-6.71
11,474.49	57.14	103.93	10,812.00	-3,302.29	256.94	250.60	10.00	8.98	-5.46
Wolfcamp Y Ss.									
11,500.00	59.46	102.68	10,825.40	-3,307.28	278.05	271.70	10.00	9.09	-4.90
11,554.46	64.45	100.20	10,851.00	-3,316.79	325.15	318.78	10.00	9.16	-4.56
Wolfcamp A									
11,600.00	68.65	98.28	10,869.12	-3,323.49	366.38	359.99	10.00	9.22	-4.22
11,700.00	77.94	94.41	10,897.85	-3,333.98	461.45	455.05	10.00	9.29	-3.88
11,800.00	87.27	90.79	10,910.71	-3,338.44	560.39	553.98	10.00	9.34	-3.61
11,825.42	89.65	89.89	10,911.39	-3,338.59	585.80	579.39	10.00	9.35	-3.55
89.65° at 11825.42 MD									
11,900.00	89.65	89.89	10,911.84	-3,338.45	660.38	653.97	0.00	0.00	0.00
11,925.42	89.65	89.89	10,912.00	-3,338.40	685.80	679.39	0.00	0.00	0.00
FTP at 11925.42 MD - JRU DI 1A 115H - FTP									
11,926.02	89.65	89.89	10,912.00	-3,338.40	686.39	679.98	0.00	0.00	0.00
Horizontal Landing Point									
12,000.00	89.65	89.89	10,912.45	-3,338.26	760.38	753.97	0.00	0.00	0.00
12,100.00	89.65	89.89	10,913.06	-3,338.07	860.38	853.97	0.00	0.00	0.00
12,200.00	89.65	89.89	10,913.67	-3,337.88	960.37	953.96	0.00	0.00	0.00
12,300.00	89.65	89.89	10,914.28	-3,337.69	1,060.37	1,053.96	0.00	0.00	0.00
12,400.00	89.65	89.89	10,914.89	-3,337.49	1,160.37	1,153.96	0.00	0.00	0.00
12,500.00	89.65	89.89	10,915.49	-3,337.30	1,260.37	1,253.96	0.00	0.00	0.00
12,600.00	89.65	89.89	10,916.10	-3,337.11	1,360.37	1,353.96	0.00	0.00	0.00
12,700.00	89.65	89.89	10,916.71	-3,336.92	1,460.36	1,453.95	0.00	0.00	0.00
12,800.00	89.65	89.89	10,917.32	-3,336.73	1,560.36	1,553.95	0.00	0.00	0.00
12,900.00	89.65	89.89	10,917.93	-3,336.54	1,660.36	1,653.95	0.00	0.00	0.00
13,000.00	89.65	89.89	10,918.54	-3,336.35	1,760.36	1,753.95	0.00	0.00	0.00
13,100.00	89.65	89.89	10,919.15	-3,336.16	1,860.35	1,853.95	0.00	0.00	0.00
13,200.00	89.65	89.89	10,919.75	-3,335.97	1,960.35	1,953.94	0.00	0.00	0.00
13,300.00	89.65	89.89	10,920.36	-3,335.78	2,060.35	2,053.94	0.00	0.00	0.00
13,400.00	89.65	89.89	10,920.97	-3,335.59	2,160.35	2,153.94	0.00	0.00	0.00
13,500.00	89.65	89.89	10,921.58	-3,335.40	2,260.35	2,253.94	0.00	0.00	0.00
13,600.00	89.65	89.89	10,922.19	-3,335.21	2,360.34	2,353.94	0.00	0.00	0.00
13,700.00	89.65	89.89	10,922.80	-3,335.02	2,460.34	2,453.94	0.00	0.00	0.00
13,800.00	89.65	89.89	10,923.41	-3,334.82	2,560.34	2,553.93	0.00	0.00	0.00
13,900.00	89.65	89.89	10,924.02	-3,334.63	2,660.34	2,653.93	0.00	0.00	0.00
14,000.00	89.65	89.89	10,924.62	-3,334.44	2,760.34	2,753.93	0.00	0.00	0.00
14,100.00	89.65	89.89	10,925.23	-3,334.25	2,860.33	2,853.93	0.00	0.00	0.00
14,200.00	89.65	89.89	10,925.84	-3,334.06	2,960.33	2,953.93	0.00	0.00	0.00
14,300.00	89.65	89.89	10,926.45	-3,333.87	3,060.33	3,053.92	0.00	0.00	0.00
14,400.00	89.65	89.89	10,927.06	-3,333.68	3,160.33	3,153.92	0.00	0.00	0.00
14,500.00	89.65	89.89	10,927.67	-3,333.49	3,260.33	3,253.92	0.00	0.00	0.00
14,600.00	89.65	89.89	10,928.28	-3,333.30	3,360.32	3,353.92	0.00	0.00	0.00
14,700.00	89.65	89.89	10,928.88	-3,333.11	3,460.32	3,453.92	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 115Y
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Site:	James Ranch Unit DI 1A Ennis	**North Reference:**	Grid
Well:	115Y	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

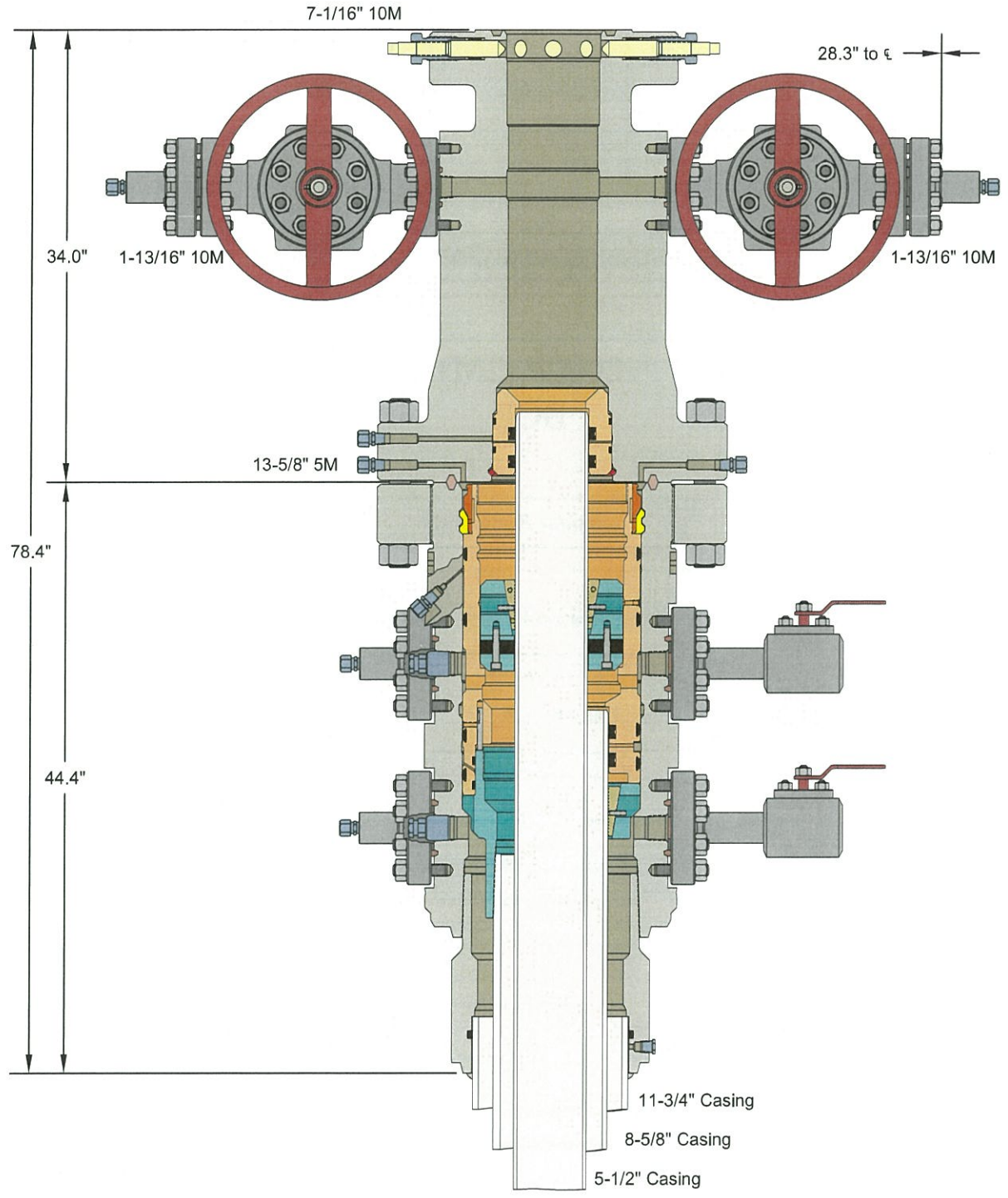
Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,200.00	89.65	89.89	10,962.36	-3,322.62	8,960.21	8,953.82	0.00	0.00	0.00
20,300.00	89.65	89.89	10,962.97	-3,322.43	9,060.21	9,053.81	0.00	0.00	0.00
20,400.00	89.65	89.89	10,963.58	-3,322.24	9,160.21	9,153.81	0.00	0.00	0.00
20,500.00	89.65	89.89	10,964.19	-3,322.05	9,260.20	9,253.81	0.00	0.00	0.00
20,600.00	89.65	89.89	10,964.80	-3,321.86	9,360.20	9,353.81	0.00	0.00	0.00
20,700.00	89.65	89.89	10,965.40	-3,321.67	9,460.20	9,453.81	0.00	0.00	0.00
20,800.00	89.65	89.89	10,966.01	-3,321.48	9,560.20	9,553.80	0.00	0.00	0.00
20,900.00	89.65	89.89	10,966.62	-3,321.28	9,660.20	9,653.80	0.00	0.00	0.00
21,000.00	89.65	89.89	10,967.23	-3,321.09	9,760.19	9,753.80	0.00	0.00	0.00
21,100.00	89.65	89.89	10,967.84	-3,320.90	9,860.19	9,853.80	0.00	0.00	0.00
21,200.00	89.65	89.89	10,968.45	-3,320.71	9,960.19	9,953.80	0.00	0.00	0.00
21,300.00	89.65	89.89	10,969.06	-3,320.52	10,060.19	10,053.79	0.00	0.00	0.00
21,400.00	89.65	89.89	10,969.66	-3,320.33	10,160.19	10,153.79	0.00	0.00	0.00
21,500.00	89.65	89.89	10,970.27	-3,320.14	10,260.18	10,253.79	0.00	0.00	0.00
21,600.00	89.65	89.89	10,970.88	-3,319.95	10,360.18	10,353.79	0.00	0.00	0.00
21,700.00	89.65	89.89	10,971.49	-3,319.76	10,460.18	10,453.79	0.00	0.00	0.00
21,783.12	89.65	89.89	10,972.00	-3,319.60	10,543.30	10,536.91	0.00	0.00	0.00
LTP at 21783.12 MD - JRU DI 1A 115H - LTP									
21,783.72	89.65	89.89	10,972.00	-3,319.60	10,543.89	10,537.50	0.00	0.00	0.00
Horizontal TD									
21,800.00	89.65	89.89	10,972.10	-3,319.57	10,560.18	10,553.79	0.00	0.00	0.00
21,833.12	89.65	89.89	10,972.30	-3,319.50	10,593.30	10,586.91	0.00	0.00	0.00
JRU DI 1A 115H - BHL									
21,833.15	89.65	89.89	10,972.30	-3,319.50	10,593.33	10,586.94	0.00	0.00	0.00
TD at 21833.15 MD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
JRU DI 1A 115H - FTP - plan hits target center - Point	0.00	0.01	10,912.00	-3,338.40	685.80	499,059.50	638,874.60	32.371227	-103.883524
JRU DI 1A 115H - LTP - plan hits target center - Point	0.00	0.00	10,972.00	-3,319.60	10,543.30	499,078.30	648,732.10	32.371161	-103.851596
JRU DI 1A 115H - BHL - plan misses target center by 0.32usft at 21833.12usft MD (10972.30 TVD, -3319.50 N, 10593.30 E) - Point	0.00	0.00	10,972.00	-3,319.60	10,593.30	499,078.30	648,782.10	32.371161	-103.851434

GE Oil & Gas



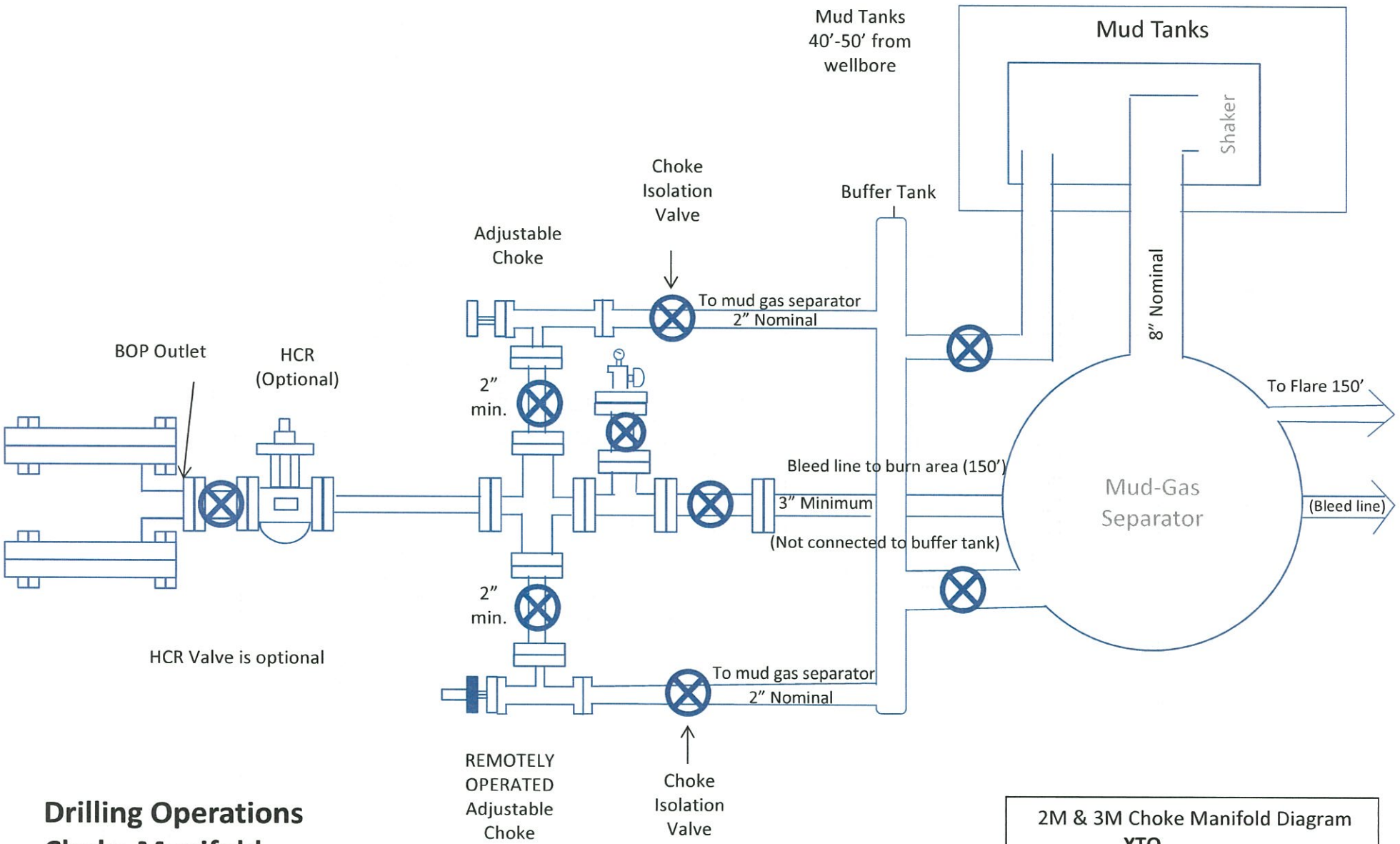
ALL DIMENSIONS ARE APPROXIMATE

XTO ENERGY, INC.

11-3/4" x 8-5/8" x 5-1/2" 10M RSH-2 Wellhead Assembly, With T-EBS-F Tubing Head

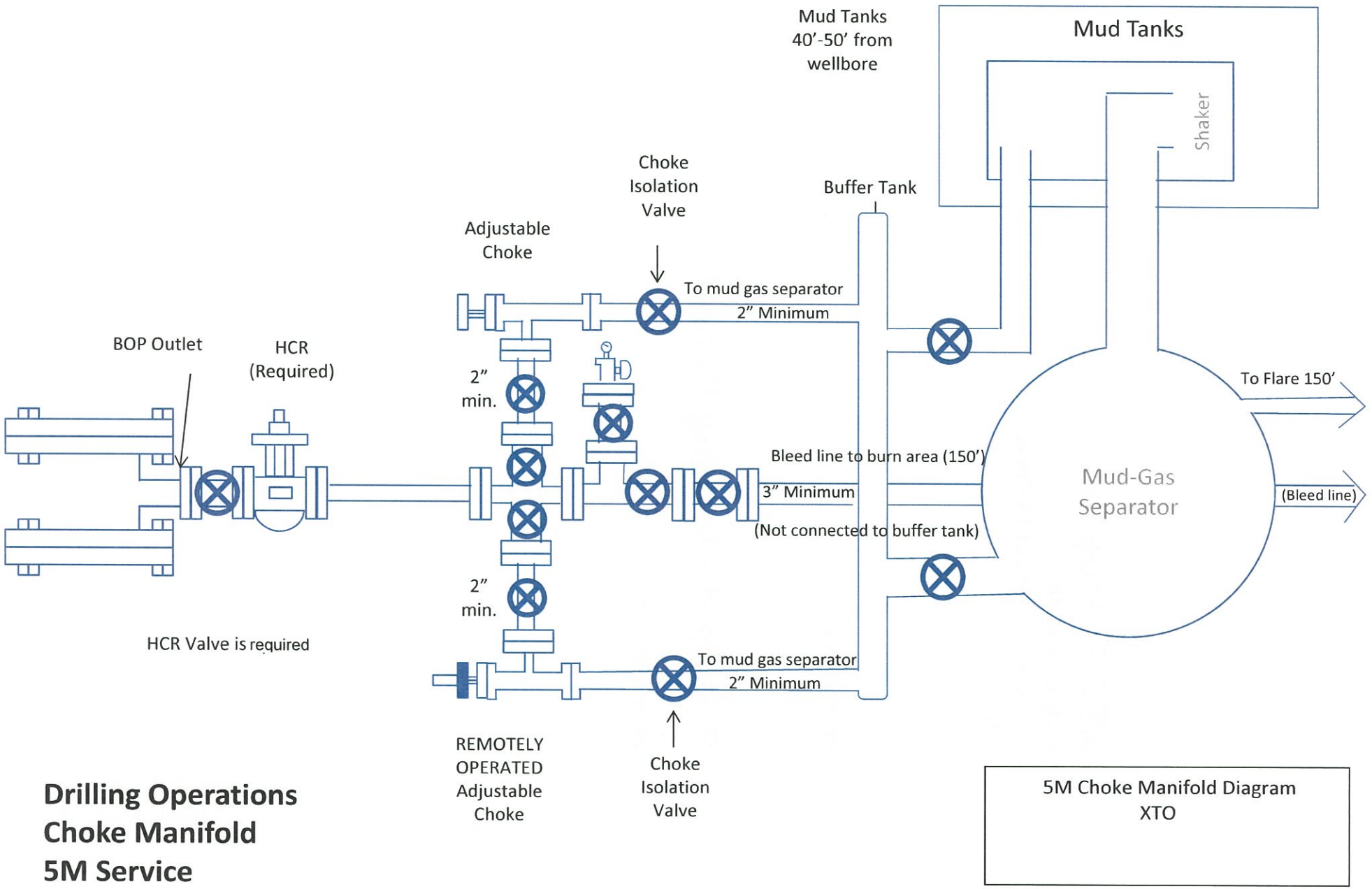
DRAWN	VJK	31OCT16
APPRV	KN	31OCT16

FOR REFERENCE ONLY
DRAWING NO. 10012358



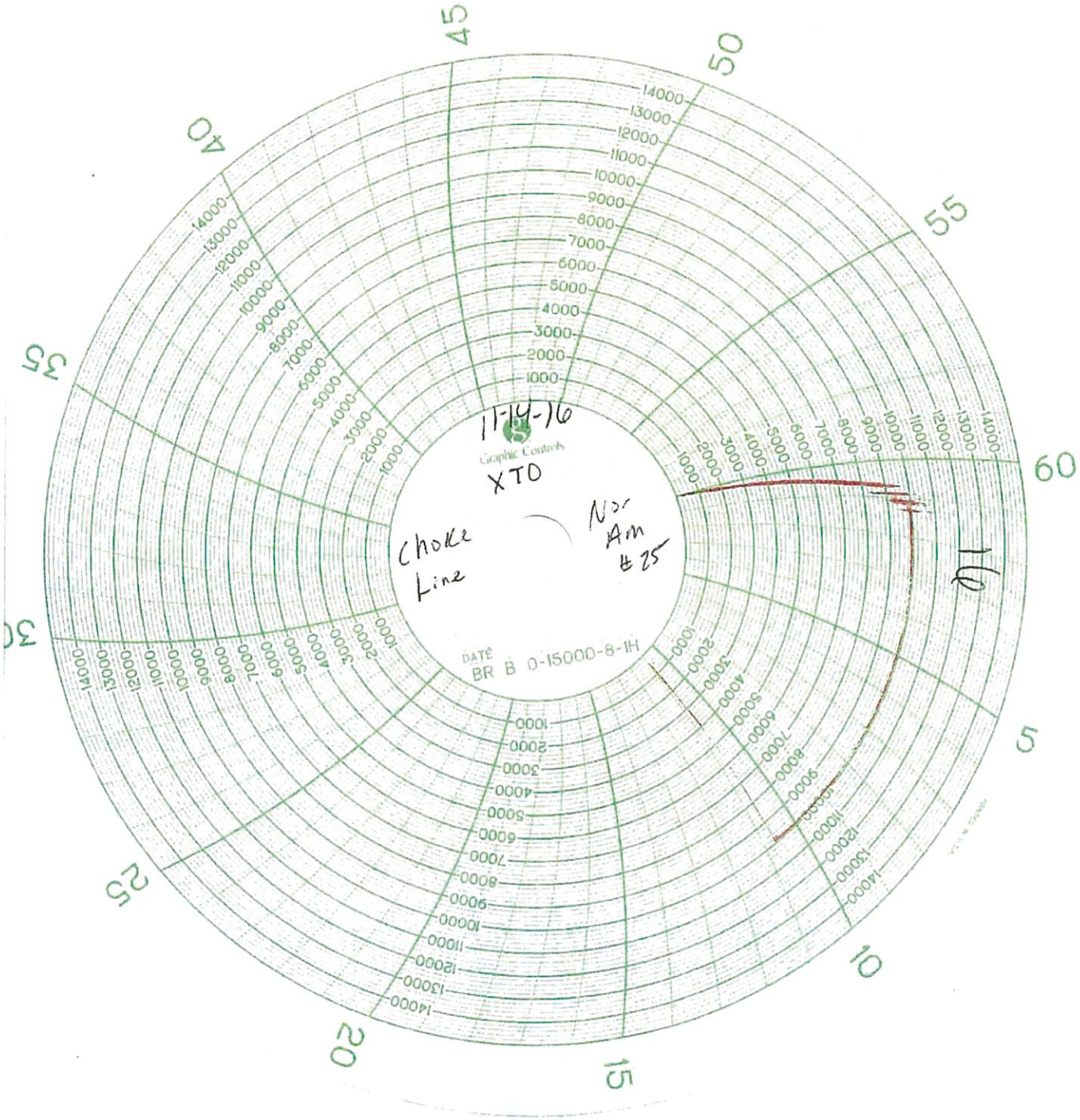
Drilling Operations
Choke Manifold
2M & 3M Service

2M & 3M Choke Manifold Diagram
XTO



Drilling Operations
Choke Manifold
5M Service

5M Choke Manifold Diagram
XTO


11-14-16
Graphic Controls
XTO
Choke Line
Nor Am #25
DATE
BR B 0-15000-8-1H

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order (OOGO) No. 2, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. OOGO No. 2, Section I.D.2 states, "Some situation may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance...". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per OOGO No. 2, Section IV., XTO Energy submits this request for the variance.

Supporting Documentation

OOGO No. 2 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since OOGO No. 2 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

XTO Energy feels break testing and our current procedures meet the intent of OOGO No. 2 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of OOGO No. 2 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the OOGO No.2.

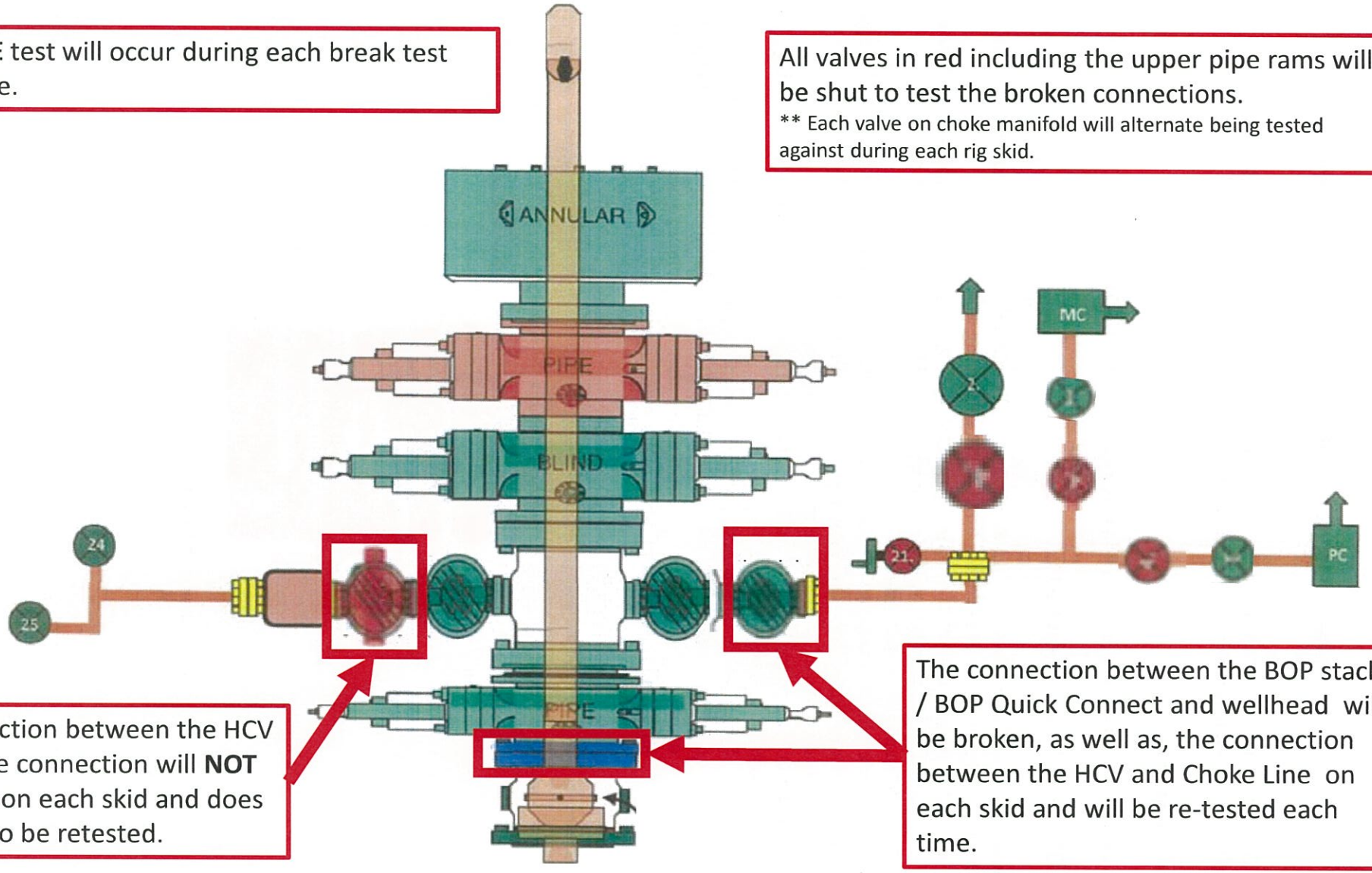
Procedures

1. XTO Energy will use this document for our break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. XTO Energy will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first well on the pad.
    b. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
        i. Our Lower WC targets set the intermediate casing shoe no deeper than the Wolfcamp B.
        ii. Our Upper WC targets set the intermediate casing shoe shallower than the Wolfcamp B.
    c. A Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Between the HCV valve and choke line connection
    b. Between the BOP quick connect and the wellhead
4. The BOP is then lifted and removed from the wellhead by a hydraulic system.
5. After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6. The connections mentioned in 3a and 3b will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

Only **ONE** test will occur during each break test procedure.

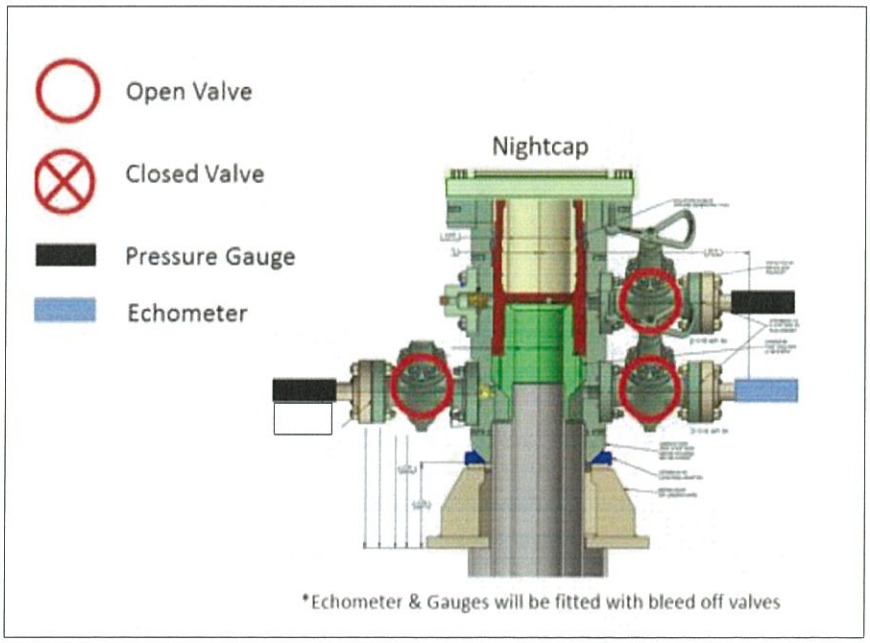
All valves in red including the upper pipe rams will be shut to test the broken connections.

** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.



Wellhead diagram during skidding operations

6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
    a. Well Control Plan
        i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
        ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
        iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
        iv. Once influx is circulated out of the hole, kill weight mud will be circulated
        v. Well will be confirmed static
        vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
8. Install offline cement tool
9. Rig up cement equipment