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abandoned well. Use form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2 1. Type of Well Ø Oil Well _ Gas Well _ Other 2. Name of Operator Contact: KELLY KARDOS XTO PERMIAN OPERATING LLC 3a. Address Sb. Phone No. (include area code) 6401 HOLIDAY HILL RD BLDG 5 Bb. Phone No. (include area code) 7. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T20S R31E Mer NMP SWNE 1950FNL 1973FEL 1670FNL 1915FEL 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF TYPE OF SUBMISSION TYPE OF A B Notice of Intent Acidize Deepen B Notice of Intent Acidize Deepen B Notice of Intent Casing Repair New Construction B Subsequent Report Change Plans Plug and Abandon B The proposed or Completed Operation. Clearly state all pertinent details, including estimated starting The Work will be performed or provide the Bond No. on file with BUMBA. Atch the Bond under which the work will be performed or provide the Bond No. on file with BUMBA. Thollowing changes to the completed operations. The operation subt is a multiple completion or recomplete hereizonally, view subsurface locations and measure Attach the Bond under which the work will be performed or provide the Bond No. on	7. If Unit or CA/Agreement, Name and/or No. NMNM68294X 8. Well Name and No. BIG EDDY UNIT 5E HAN SOLO 102H 9. API Well No. 30-015-46833 10. Field and Pool or Exploratory Area WILDCAT BONE SPRING 11. County or Parish, State EDDY COUNTY, NM NOTICE, REPORT, OR OTHER DATA CTION Production (Start/Resume) Water Shut-Off Reclamation Well Integrity Recomplete Other Change to Original A PD Water Disposal Water Disposal
 Type of Well Gas Well □ Other Contact: KELLY KARDOS XTO PERMIAN OPERATING LLC E-Mail: kelly_kardos@xtoenergy.com Sa. Address So. Phone No. (include area code) Ph: 432-620-4374 So. Phone No. (include area code) So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL So. 20 So. 6 So. 2 So	NMNM68294X 8. Well Name and No. BIG EDDY UNIT 5E HAN SOLO 102H 9. API Well No. 30-015-46833 10. Field and Pool or Exploratory Area WILDCAT BONE SPRING 11. County or Parish, State EDDY COUNTY, NM NOTICE, REPORT, OR OTHER DATA CTION Production (Start/Resume) Reclamation Well Integrity Recomplete Temporarily Abandon Water Disposal
☑ Oil Well □ Gas Well □ Other 2. Name of Operator XTO PERMIAN OPERATING LLC Contact: KELLY KARDOS E-Mail: kelly_kardos@xtoenergy.com 3. Address 3b. Phone No. (include area code) MIDLAND, TX 79707 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T20S R31E Mer NMP SWNE 1950FNL 1673FEL 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF TYPE OF SUBMISSION TYPE OF A I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF I3. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting If the proposal is to deepen directionally or complete horizontally, give subsurface locations and measure Attach the Bod under which the work will be performed or provide the Bond No. on file with BL/MBA. following completion of the involved operations. If the operation results in a multiple completion or recom testing has been completed. Final Abandonment Notices I3. Describe Proposed or Completed Operations. If the operation results in a multiple completion or recom testing has been completed. Final Abandonment Notices must be filed only after all requirements, includir determined that the site is ready for	BIG EDDY UNIT 5E HAN SOLO 102H 9. API Well No. 30-015-46833 10. Field and Pool or Exploratory Area WILDCAT BONE SPRING 11. County or Parish, State EDDY COUNTY, NM NOTICE, REPORT, OR OTHER DATA CTION Production (Start/Resume) Reclamation Water Shut-Off Reclamation Water Disposal UNIT SE HAN SOLO 102H Water Disposal UNIT SE HAN SOLO 102H UNIT SE HAN SO
2. Name of Operator XTO PERMIAN OPERATING LLC E-Mail: kelly_kardos@xtoenergy.com 3a. Address 3a. Address 3b. Phone No. (include area code) Ph: 432-620-4374 MIDLAND, TX 79707 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL 1670FNL 1915FEL 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF SUBMISSION Actic of Intent Atter Casing Atter	9. API Well No. 30-015-46833 10. Field and Pool or Exploratory Area WILDCAT BONE SPRING 11. County or Parish, State EDDY COUNTY, NM NOTICE, REPORT, OR OTHER DATA CTION Production (Start/Resume) Reclamation Well Integrity Recomplete Temporarily Abandon Water Disposal Iate of any proposed work and approximate duration thereof. I and true vertical depths of all pertinent markers and zones. Required subsequent reports must be filed within 30 days
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Sec 27 T20S R31E Mer NMP SWNE 1950FNL 1873FEL 1670FNL 1915FEL 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF TYPE OF SUBMISSION TYPE OF A	EDDY COUNTY, NM NOTICE, REPORT, OR OTHER DATA CTION Production (Start/Resume) Reclamation Reclamation Recomplete Temporarily Abandon Water Disposal Hate of any proposed work and approximate duration thereof. I and true vertical depths of all pertinent markers and zones. Required subsequent reports must be filed within 30 days
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Electronic Submission #515567 verified by the BLM Well For XTO PERMIAN OPERATING LLC, sent to the Committed to AFMSS for processing by PRISCILLA PER	I toting attatched
	Carlsbad
Name (Printed/Typed) KELLY KARDOS Title REGULA	ORY COORDINATOR
Signature (Electronic Submission) Date 05/15/202	
THIS SPACE FOR FEDERAL OR STATE O	0
Approved By Title	
nditions of approval, if any, are attached. Approval of this notice does not warrant or tify that the applicant holds legal or equitable title to those rights in the subject lease ich would entitle the applicant to conduct operations thereon. Office	FICE USE
le 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and v tates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	FICE USE

Additional data for EC transaction #515567 that would not fit on the form

32. Additional remarks, continued

Batch drill this well if necessary. In doing so, XTO will set each casing string 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 intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

with All Cake upper Add. CARE reported which to the time relation

ONLY test broken pressure seals on the BOP equipment per the attached procedure.

Attachments: C102 & Supplement Casing/Cement Design Directional Plan Spudder Rig Description of Operations BOP Testing Variance

Conditions of Approval Big Eddy Unit 5E Han Solo 102H 30-015-46833

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BOP Break Testing Variance (Note: Shell testing is not approved for any portion of the hole with a MASP of 5000 psi or greater)

- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer prior to the commencement of any BOP Break Testing operations.

A full BOP test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOP test will be required.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District III</u> 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u>

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

EMNRD-OCD ARTESIA

REC'D: 6/04/2020

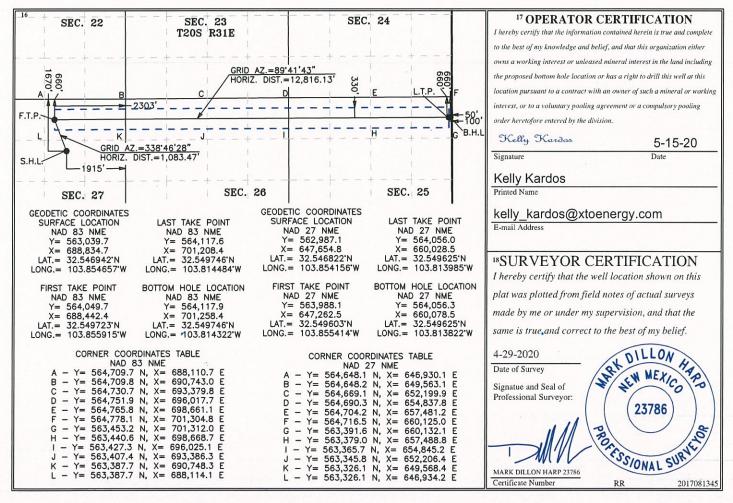
Form C-102

Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

		W	ELL LC	OCATIO	N AND AG	CREAGE DEDIC	ATION PLA	T		
1	API Number	r		² Pool Code	and the second second	³ Pool Name				
30-015-46833 98232 WC-015 G-06 S203127G;BONE SPRING										
⁴ Property (123		⁵ Proper	rty Name		6	⁶ Well Number		
BIG EDDY UNIT 5E HAN SOLO							102H			
⁷ OGRID No. ⁸ Operator Name ⁹ Elevation								⁹ Elevation		
373075 XTO PERMIAN OPERATING, LLC. 3,525'							3,525'			
					¹⁰ Surfac	e Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the North/South line	Feet from the	East/West line	County	
G	27	. 20 S	31 E		1,670	NORTH	1,915	EAST	EDDY	
			11 Bo	ttom Hol	e Location	If Different From	1 Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the North/South line	Feet from the	East/West line	County	
А	25	20 S	31 E	ALL EIN	660	NORTH	50	EAST	EDDY	
¹² Dedicated Acres	² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No.									
400										

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.



P:\PROJECTS\2017\2017081345-XTO-BIG_EDDY_UNIT_5E_HAN_SOLO_102H-EDDY\DWG\2017081345-XTO-BIG_EDDY_UNIT_5E_HAN_SOLO_102H_C102.dwg

Intent X As Drilled		
Operator Name:	Property Name:	Well Number
XTO PERMIAN OPERATING, LLC	Big Eddy Unit 5E Han Solo	102H

Kick Off Point (KOP)

UL G	Section 27	Township 20S	Range 31E	Lot	Feet 1670	From N/S North	Feet 1815	From E/W East	County Eddy
Latitude			Longitude		NAD				
32.5	32.546942			-103.854	4657	83			

First Take Point (FTP)

UL B	Section 27	Township 20S	Range 31E	Lot	Feet 660	From N/S North	Feet 2303	From E/W East	County Eddy
Latitu 32.5	^{de} 549723	6			Longitude -103.855	5915			NAD 83

Last Take Point (LTP)

UL A	Section 25	Township 20S	Range 31E	Lot	Feet 660	From N/S North	Feet 100	From E/W East	County Eddy
Latitude				Longitud	de		NAD		
32.549746			-103.	-103.814484			83		

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: XTO PERMIAN OPERATING, LLC	Property Name:	Well Number

KZ 06/29/2018

Big Eddy Unit 5E Han Solo 102H Projected TD: 22379' MD / 9523' TVD SHL: 1670' FNL & 1915' FEL , Section 27, T205, R31E BHL: 660' FNL & 50' FEL , Section 25, T205, R31E Eddy County, NM

Casing Design

The surface fresh water sands will be protected by setting 18-5/8 inch casing @ 810' (139' above the salt) and circulating cement back to surface. The salt will be isolated by setting 13-3/8 inch casing at 2757' and circulating cement to surface. The Capitan Reef zone will be isolated by setting 9-5/8 inch casing at 4050'. An 8-3/4 inch curve and 8-1/2 inch lateral hole will be drilled to MD/TD and 5-1/2 inch casing will be set at TD and cemented back up to the 13-3/8 inch casing shoe.

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
24"	0' - 810'	18-5/8"	87.5#	STC	H-40	New	1.90	1.70	7.89
17-1/2″	0' - 2757'	13-3/8″	54.5#	STC	J-55	New	2.90	1.30	3.42
12-1/4"	0' - 4050'	9-5/8″	36#	LTC	J-55	New	1.35	2.11	3.11
-3/4" x 8-1/2"	0' - 22379'	5-1/2″	17#	втс	P-110	New	1.12	1.59	2.24

XTO requests to not utilize centralizers in the curve and lateral

13-3/8 & 9-5/8" Collapse analyzed using 50% evacuation based on regional experience.

5-1/2" tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35.

WELLHEAD:

Temporary Wellhead 18-5/8" SOW bottom x 21-1/4" 2M top flange.

Permanent Wellhead - GE RSH Multibowl System

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M top flange • Wellhead will be installed by manufacturer's representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

Operator will test the 9-5/8" casing per Onshore Order 2.

 $\cdot\,$ Wellhead manufacturer representative may not be present for BOP test plug installation

Cement Program

Surface Casing:

 Lead: 680 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

 Tail: 550 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

1st Intermediate Casing:

 Lead:
 1590 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

 Tail:
 620 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

2nd Intermediate Casing:

ECP/DV Tool to be set at 2790'

1st Stage

Lead: 80 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 1.88 ft3/sx, 9.61 gal/sx water) Tail: 470 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 = 1151 psi

2nd Stage

Lead: 10 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 1.88 ft3/sx, 9.61 gal/sx water) Tail: 230 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 = 1151 psi

Production Casing:

Lead: 730 sxs NeoCem (mixed at 10.5 ppg, 2.69 ft3/sx, 12.26 gal/sx water) Tail: 2580 sxs VersaCem (mixed at 13.2 ppg, 1.61 ft3/sx, 8.38 gal/sx water) Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

Mud Circulation Program

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 810'	24"	FW/Native	8.3 - 9.5	35-40	NC
810' - 2757'	17-1/2"	Brine	9.8-10.2	30-35	NC
2757' to 4050'	12-1/4″	FW / Cut Brine	8.3-9.0	30-32	NC
4050' to 22379'	8-3/4" x 8-1/2"	FW / Cut Brine / Polymer/ OBM	9.2 - 9.5	29-32	NC - 20

DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

XTO Energy Inc. BEU 5E Han Solo 102H Projected TD: 22379' MD / 9523' TVD SHL: 1670' FNL & 1915' FEL , Section 27, T20S, R31E BHL: 660' FNL & 50' FEL , Section 25, T20S, R31E Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	673'	Water
Top of Salt	949'	Water
Base of Salt	2657'	Water
Capitan	2861'	Water
Delaware	3943'	Water
Bone Spring	8404'	Water/Oil/Gas
1st Bone Spring Ss	8743'	Water/Oil/Gas
2nd Bone Spring Ss	9365'	Water/Oil/Gas
2nd Bone Spring Ss B	9553'	Water/Oil/Gas
Target/Land Curve	9523'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 18-5/8 inch casing @ 810' (139' above the salt) and circulating cement back to surface. The salt will be isolated by setting 13-3/8 inch casing at 2757' and circulating cement to surface. The Capitan Reef zone will be isolated by setting 9-5/8 inch casing at 4050'. An 8-3/4 inch curve and 8-1/2 inch lateral hole will be drilled to MD/TD and 5-1/2 inch casing will be set at TD and cemented back up to the 13-3/8 inch casing shoe.

Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
24"	0' - 810'	18-5/8"	87.5#	STC	H-40	New	1.90	1.70	7.89
17-1/2"	0' – 2757'	13-3/8"	54.5#	STC	J-55	New	2.90	1.30	3.42
12-1/4"	0' - 4050'	9-5/8"	36#	LTC	J-55	New	1.35	2.11	3.11
8-3/4" x 8-1/2"	0' - 22379'	5-1/2"	17#	BTC	P-110	New	1.12	1.59	2.24

• XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

13-3/8" & 9-5/8" Collapse analyzed using 50% evacuation based on regional experience.

• 5-1/2" tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

WELLHEAD:

Temporary Wellhead

• 18-5/8" SOW bottom x 21-1/4" 2M top flange. Permanent Wellhead – GE RSH Multibowl System

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

- B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M top flange
 - Wellhead will be installed by manufacturer's representatives.
 - Manufacturer will monitor welding process to ensure appropriate temperature of seal.
 - Operator will test the 9-5/8" casing per BLM Onshore Order 2

Wellhead manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 18-5/8", 87.5# New H-40, STC casing to be set at +/- 810'

Lead: 680 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water) Tail: 550 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 1st Intermediate Casing: 13-3/8", 54.5# New J-55, STC casing to be set at +/- 2757' Lead: 1590 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water) Tail: 620 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

900 psi

24 hr = 1500 psi

2nd Intermediate Casing: 9-5/8", 36# New J-55, LTC casing to be set at +/- 4050' ECP/DV Tool to be set at 2790'

12-hr =

1st Stage

Compressives:

Lead: 80 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 1.88 ft3/sx, 9.61 gal/sx water) Tail: 470 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

2nd Stage

Lead: 10 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 1.88 ft3/sx, 9.61 gal/sx water) Tail: 230 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

Production Casing: 5-1/2", 17# New P-110, BTC casing to be set at +/- 22379'

Lead: 730 sxs NeoCem (mixed at 10.5 ppg, 2.69 ft3/sx, 12.26 gal/sx water) Tail: 2580 sxs VersaCem (mixed at 13.2 ppg, 1.61 ft3/sx, 8.38 gal/sx water) Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

5. Pressure Control Equipment

The blow out preventer equipment (BOP) for on surf casing / temp. wellhead will consist of a 21-1/4" minimum 2M Hydril. MASP should not exceed 856 psi.

Once the permanent WH is installed on the 13-3/8 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 3M 3-Ram BOP. MASP should not exceed 2609 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 but no greater than casing 70% burst. When nippling up on the 13-5/8" 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nippling up on the 9-5/8", the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M 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.

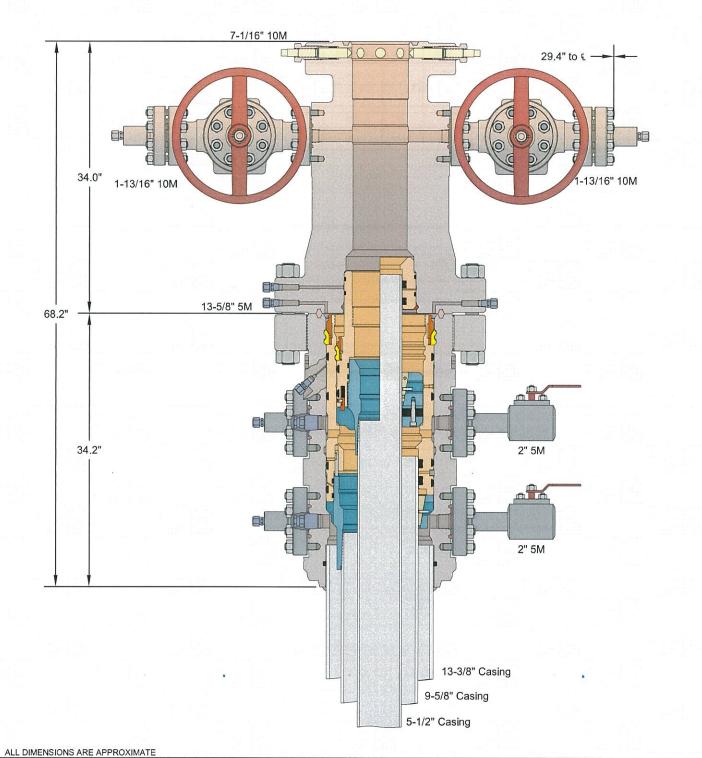
6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 810'	24"	FW/Native	8.3 - 9.5	35-40	NC
810' - 2757'	17-1/2"	Brine	9.8-10.2	30-35	NC
2757' to 4050'	12-1/4"	FW / Cut Brine	8.3-9.0	30-32	NC
4050' to 22379'	8-3/4" x 8-1/2"	FW / Cut Brine / Polymer/ OBM	9.2 - 9.5	29-32	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 18-5/8" surface casing with brine solution. A 9.8ppg-10.2ppg brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.





Assembly, With T-EBS-F Tubing Head	FOR REFERENCE ONLY DRAWING NO. 10012842			
and the second	APPRV	KN	16FEB17	
13-3/8" x 9-5/8" x 5-1/2" 10M RSH-2 Wellhead	DRAWN	VJK	16FEB17	
This drawing is the property of GE Oil & Gas Pressure Control LP and is considered confidential. Unless otherwise approved in writing, neither it nor its contents may be used, copied, transmitted or reproduced except for the sole purpose of GE Oil & Gas Pressure Control LP.	XTO ENERGY, INC.			

Delaware Basin Asset

New Mexico, XTO Big Eddy DI5 BEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H

BEU 5E HAN SOLO 102H

Plan: BEU 5E HAN SOLO 102H

Standard Planning Report - Geographic

07 April, 2020

Planning Report - Geographic

DM 5000.1 Single User Db					
and a start of the		Local Co-or	dinate Reference:	Well BEU 5E HAN SO HAN SOLO 102H	LO 102H - Slot BEU 5E
elaware Basin Asset		TVD Referen	ice:	BEU 5E HAN SOLO 1 3555.0usft	02H Default @
lew Mexico, XTO		MD Referen	e:	BEU 5E HAN SOLO 1	02H Default @
Big Eddy DI5		North Refere	ence:		
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		System Datur	n:	Mean Sea Level	
v Mexico Eastern Zone					
g Eddy DI5					
					32° 32' 44.282 N
	and the second		and a second		103° 51' 25.405 W
0.0 usπ	Slot Radius:		13-3/16 Grid Co	nvergence:	0.26 °
U 5E HAN SOLO 102H - SI	ot BEU 5E HAN SO	DLO 102H			
V/-S 0.0 usft	Northing:		563,040.03 usft	Latitude:	32° 32' 48,995 N
/-W 0.0 usft	Easting:		688,835.50 usft	Longitude:	103° 51' 16.754 W
0.0 usft	Wellhead Elev	ation:		Ground Level:	3,525.0 usf
EU 5E HAN SOLO 102H					
Model Name	Sample Date	Declinatio	n	Din Angle	Field Strength
		(°)		(°)	(nT)
IGRF2020	4/7/2020		6.84	60.19	47,778.72537710
EU 5E HAN SOLO 102H	an tana sebara sa				
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Depth To	re)	Tool Name OWSG GYRO-N OWSG Gyrocon	IS	rks	
Depth To (usft) Survey (Wellbo	re) DLO 102H (BEU	OWSG GYRO-N	IS Ipass Gyro	rks	
	Map 0.0 usft EU 5E HAN SOLO 102H - Si V-S 0.0 usft 0.0 usft 0.0 usft 0.0 usft EU 5E HAN SOLO 102H Model Name IGRF2020 EU 5E HAN SOLO 102H	Big Eddy DI5 BEU 5E HAN SOLO 102H State Plane 1983 th American Datum 1983 w Mexico Eastern Zone Ig Eddy DI5 Map Easting: 0.0 usft Slot Radius: EU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H FEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H GRF2020 4/7/2020 EU 5E HAN SOLO 102H	Big Eddy DI5 North Refere Big Eddy DI5 Survey Calc Big Eddy DI5 System Datum Big Eddy DI5 System Datum State Plane 1983 System Datum th American Datum 1983 Wexico Eastern Zone g Eddy DI5 State Plane 1983 g Eddy DI5 Easting: Map Easting: 0.0 usft Slot Radius: EU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H V-S 0.0 usft Northing: S52,56 Map Easting: 0.0 usft Slot Radius: EU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H V-S 0.0 usft North Wellhead Elevation: EU 5E HAN SOLO 102H Well 5E HAN SOLO 102H Wodel Name Sample Date Declinatio (°) IGRF2020 4/7/2020 Phase: PLAN Depth From (TVD) +N/-S	Big Eddy DI5 SEU 5E HAN SOLO 102H Sew Mexico, XTO State Plane 1983 th American Datum 1983 w Mexico Eastern Zone g Eddy DI5 Map 0.0 usft Stot Radius: 0.0 usft Stot Radius: 13-3/16 " Grid Co EU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H W-S 0.0 usft Northing: 563,040,03 usft Cu 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H W-S 0.0 usft Northing: 563,040,03 usft O.0 usft Northing: 563,040,03 usft Cu 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H W-S 0.0 usft Northing: 688,835.50 usft 0.0 usft Wellhead Elevation: IEU 5E HAN SOLO 102H Model Name Sample Date Declination (°) IGRF2020 4/7/2020 6.84 EU 5E HAN SOLO 102H Euse: PLAN Tie On Depi Depth From (TVD) +N/-S +E/-W	Big Eddy DI5 Survey Calculation Method: 3555.0usft Grid SEU 5E HAN SOLO 102H Survey Calculation Method: Grid Minimum Curvature Minimum Curvature ew Mexico, XTO State Plane 1983 th American Datum 1983 System Datum: Mean Sea Level g Eddy DI5 Map Northing: 562,560.46 usft Latitude: g Eddy DI5 Easting: 688,097.24 usft Longitude: g U 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H USE HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H USE HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H V/-S 0.0 usft Northing: 563,040.03 usft Latitude: g/W 0.0 usft Easting: 688,835.50 usft Longitude: g/W 0.0 usft Wellhead Elevation: Ground Level: Ground Level: EU 5E HAN SOLO 102H - USE HAN SOLO 102H Easting: 688,835.50 usft Longitude: g/W 0.0 usft Wellhead Elevation: Ground Level: Ground Level: EU 5E HAN SOLO 102H EU 5E HAN SOLO 102H USE HAN SOLO 102H Dip Angle 6.84 60.19

Planning Report - Geographic

Plan Sections			
Design:	BEU 5E HAN SOLO 102H		
Wellbore:	BEU 5E HAN SOLO 102H		
Well:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Site:	Big Eddy DI5	North Reference:	Grid
Floject.		MD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Project:	New Mexico, XTO		3555.0usft
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H

leasured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,850.0	3.00	325.00	2,849.9	3.2	-2.3	2.00	2.00	0.00	325.00	
3,000.0	0.00	0.00	2,999.9	6.4	-4.5	2.00	-2.00	0.00	180.00	
5,500.0	0.00	0.00	5,499.9	6.4	-4.5	0.00	0.00	0.00	0.00	
6,389.4	17.79	330.19	6,375.1	125.3	-72.6	2.00	2.00	0.00	330.19	
9,057.0	17.79	330.19	8,915.1	832.4	-477.7	0.00	0.00	0.00	0.00	
10,043.5	90.00	89.70	9,550.0	1,012.7	87.8	10.00	7.32	12.11	118.32 FTP	15-1
22,379,4	90.00	89,70	9,550,0	1,078.0	12,423,5	0.00	0.00	0.00	0.00 BHL	15-1

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Planning Report - Geographic

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Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E
Edit Effective			HAN SOLO 102H
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @
			3555.0usft
Project:	New Mexico, XTO	MD Reference:	BEU 5E HAN SOLO 102H Default @
			3555.0usft
Site:	Big Eddy DI5	North Reference:	Grid
Well:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	BEU 5E HAN SOLO 102H		
Design:	BEU 5E HAN SOLO 102H		

Planned Survey

easured		A STATE OF A	Vertical		Sector and the sector of	Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.7
100.0	0.00	0.00	100.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.7
200.0	0.00	0.00	200.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.7
300.0	0.00	0.00	300.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.7
400.0	0.00	0.00	400.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.7
500.0	0.00	0.00	500.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
600.0	0.00	0.00	600.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
700.0	0.00	0.00	700.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
800.0	0.00	0.00	800.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
900.0	0.00	0.00	900.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
1,000.0	0.00	0.00	1,000.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
1,100.0	0.00	0.00	1,100.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
1,200.0	0.00	0.00	1,200.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48.995 N	103° 51' 16.
1,300.0	0.00	0.00	1,300.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
1,400.0	0.00	0.00	1,400.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
1,500.0	0.00	0.00	1,500.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
1,600.0	0.00	0.00	1,600.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.
1,700.0	0.00	0.00	1,700.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
1,800.0	0.00	0.00	1,800.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48,995 N	103° 51' 16.
1,900.0	0.00	0.00	1,900.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
2,000.0	0.00	0.00	2,000.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48,995 N	103° 51' 16.
2,100.0	0.00	0.00	2,100.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48,995 N	103° 51' 16.
2,200.0	0.00	0.00	2,200.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48.995 N	103° 51' 16.
2,300.0	0.00	0.00	2,300.0	. 0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
2,400.0	0.00	0.00	2,400.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
2,500.0	0.00	0.00	2,500.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48.995 N	103° 51' 16.
2,600.0	0.00	0.00	2,600.0	0.0	0.0	563,040.03	688,835.50	32° 32' 48.995 N	103° 51' 16.'
2,700.0	0.00	0.00	2,700.0	0.0	0.0	563,040.03	688,835,50	32° 32' 48,995 N	103° 51' 16.
Start Bui	ld 2.00								
2,800.0	2.00	325.00	2,800.0	1.4	-1.0	563,041,46	688,834,50	32° 32' 49.009 N	103° 51' 16.
2,850.0	3.00	325.00	2,849.9	3.2	-2.3	563,043.24	688,833.25	32° 32' 49.027 N	103° 51' 16.
Start Dro	p -2.00								
2,900.0	2.00	325.00	2,899.9	5.0	-3.5	563,045.03	688,832.00	32° 32' 49.044 N	103° 51' 16,7
3,000.0	0.00	0.00	2,999.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
Start 250	0.0 hold at 30	00.0 MD							
3,100.0	0.00	0.00	3,099.9	6.4	-4.5	563,046.46	688,831,00	32° 32' 49.059 N	103° 51' 16,
3,200.0	0.00	0.00	3,199.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49,059 N	103° 51' 16.
3,300.0	0.00	0.00	3,299.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
3,400.0	0.00	0.00	3,399.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
3,500.0	0.00	0.00	3,499.9	6.4	-4.5 *	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
3,600.0	0.00	0.00	3,599.9	6.4	-4.5	563,046.46	688,831,00	32° 32' 49.059 N	103° 51' 16.
3,700.0	0.00	0.00	3,699,9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
3,800.0	0.00	0.00	3,799.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.0
3,900.0	0.00	0.00	3,899.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
4,000.0	0.00	0.00	3,999.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49,059 N	103° 51' 16.8
4,100.0	0.00	0.00	4,099.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
4,200.0	0.00	0.00	4,199.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.0
4,200.0	0.00	0.00	4,199.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.8
4,400.0	0.00	0.00	4,399.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49,059 N	103° 51' 16.8
4,500.0	0.00	0.00	4,399.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103 51 16.8
4,000.0	0.00	0.00	-,-+55.5	0.4	-4.0	555,040.40	000,001.00	52 52 45.055 N	103 31 10.0

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Planning Report - Geographic

Wellbore: Design:	BEU 5E HAN SOLO 102H BEU 5E HAN SOLO 102H		
Well:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Site:	Big Eddy DI5	North Reference:	3555.0usft Grid
Project:	New Mexico, XTO	MD Reference:	3555.0usft BEU 5E HAN SOLO 102H Default @
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E

Planned Survey

leasured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,700.0	0.00	0.00	4,699.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
4,800.0	0.00	0.00	4,799.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
4,900.0	0.00	0.00	4,899.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,000.0	0.00	0.00	4,999.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,100.0	0.00	0.00	5,099.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,200.0	0.00	0.00	5,199.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,300.0	0.00	0.00	5,299.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,400.0	0.00	0.00	5,399.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
5,500.0	0.00	0.00	5,499.9	6.4	-4.5	563,046.46	688,831.00	32° 32' 49.059 N	103° 51' 16.
Start Bui				A SASSAGE					
5,600.0	2.00	330.19	5,599.8	7.9	-5.4	563,047.97	688,830.13	32° 32' 49.074 N	103° 51' 16.
5,700.0	4.00	330.19	5,699.7	12.5	-8.0	563,052.52	688,827.53	32° 32' 49.119 N	103° 51' 16.
5,800.0	6.00	330.19	5,799.3	20.0	-12.3	563,060.08	688,823.20	32° 32' 49.194 N	103° 51' 16.
5,900.0	8.00	330.19	5,898.6	30.6	-18.4	563,070.65	688,817.14	32° 32' 49.299 N	103° 51' 16.
6,000.0	10.00	330.19	5,997.3	44.2	-26.1	563,084.23	688,809.36	32° 32' 49.433 N	103° 51' 17.
6,100.0	12.00	330.19	6,095.5	60.8	-35.6	563,100.78	688,799.88	32° 32' 49,598 N	103° 51' 17.
6,200.0	14.00	330.19	6,192.9	80.3	-46.8	563,120.30	688,788.70	32° 32' 49.791 N	103° 51' 17.
6,300.0	16.00	330.19	6,289.5	102.7	-59.7	563,142.76	688,775.83	32° 32' 50.014 N	103° 51' 17.
6,389.4	17.79	330.19	6,375.1	125.3	-72.6	563,165.30	688,762.92	32° 32' 50.238 N	103° 51' 17.
	7.6 hold at 63		0.005.4	100.4		500 400 44	000 704 04		1000 541 47
6,400.0	17.79	330.19	6,385.1	128.1	-74.2	563,168.11	688,761.31	32° 32' 50,265 N	103° 51' 17.
6,500.0	17.79	330.19	6,480.4	154.6	-89.4	563,194.61	688,746.12	32° 32' 50.528 N	103° 51' 17.
6,600.0	17.79	330.19	6,575.6	181.1	-104.6	563,221.12	688,730.94	32° 32' 50,791 N	103° 51' 17.
6,700.0	17.79	330.19	6,670.8	207.6	-119.8	563,247.63	688,715.75	32° 32' 51,054 N	103° 51' 18.
6,800.0	17.79	330.19	6,766.0	234.1	-134.9	563,274.14	688,700.56	32° 32' 51.317 N	103° 51' 18.
6,900.0	17.79	330.19	6,861.2	260.6	-150.1	563,300.65	688,685.38	32° 32' 51.580 N	103° 51' 18.
7,000.0	17.79	330.19	6,956.5	287.1	-165.3	563,327.16	688,670.19	32° 32' 51.843 N	103° 51' 18.
7,100.0 7,200.0	17.79 17.79	330.19 330.19	7,051.7 7,146.9	313.6 340.1	-180.5 -195.7	563,353.66	688,655.01 688,639.82	32° 32' 52.106 N 32° 32' 52.369 N	103° 51' 18.
	17.79	330.19	7,148.9	340.1	-210.9	563,380.17	688,624,63	32° 32' 52,632 N	103° 51' 19.
7,300.0 7,400.0	17.79	330.19	7,242.1	393.2	-210.9	563,406.68 563,433.19	688,609.45	32° 32' 52.895 N	103° 51' 19.
7,500.0	17.79	330.19	7,432.5	419.7	-220.1	563,459.70	688,594.26	32° 32' 53,158 N	103° 51' 19. 103° 51' 19.
7,600.0	17.79	330.19	7,527.8	446.2	-241.2	563,486.20	688,579.07	32° 32' 53,421 N	103 51 19. 103° 51' 19.
7,700.0	17.79	330.19	7,623.0	472.7	-271.6	563,512.71	688,563,89	32° 32' 53,684 N	103 51 19. 103° 51' 19.
7,800.0	17.79	330.19	7,718.2	472.7	-286.8	563,539.22	688,548.70	32° 32' 53.947 N	103° 51' 20.
7,800.0	17.79	330.19	7,813.4	525.7	-302.0	563,565,73	688,533,51	32° 32' 54,210 N	103 51 20. 103° 51' 20.
8,000.0	17.79	330.19	7,908.6	552.2	-302.0	563,592.24	688,518,33	32° 32' 54,473 N	103 51 20. 103° 51' 20.
8,100.0	17.79	330.19	8,003.9	578.7	-332.4	563,618.74	688,503.14	32° 32' 54.736 N	103° 51' 20.
8,200.0	17.79	330.19	8,099.1	605.2	-347.5	563,645.25	688,487.96	32° 32' 54.999 N	103° 51' 20.
8,300.0		330.19	8,194.3	631.7	-362.7	563,671,76	688,472.77	32° 32' 55.262 N	103° 51' 20.
8,400.0	17.79	330,19	8,289.5	658.2	-377.9	563,698.27	688,457,58	32° 32' 55,525 N	103° 51' 21.
8,500.0	17.79	330.19	8,384.7	684.7	-393.1	563,724.78	688,442.40	32° 32' 55.788 N	103° 51' 21.
8,600.0	17.79	330,19	8,480.0	711.3	-408.3	563,751.28	688,427.21	32° 32' 56,051 N	103° 51' 21.4
8,700.0	17.79	330,19	8,575.2	737.8	-423.5	563,777.79	688,412.02	32° 32' 56.314 N	103° 51' 21.
8,800.0	17.79	330,19	8,670.4	764.3	-438.7	563,804.30	688,396.84	32° 32' 56.577 N	103° 51' 21.
8,900.0	17.79	330.19	8,765.6	790.8	-453.9	563,830.81	688,381.65	32° 32' 56,840 N	103° 51' 22.0
9,000.0	17.79	330.19	8,860.8	817.3	-469.0	563,857.32	688,366.47	32° 32' 57.103 N	103° 51' 22.
9,057.0	17.79	330.19	8,915.1	832.4	-477.7	563,872.43	688,357.81	32° 32' 57.253 N	103° 51' 22.
and the second state of the second	6 10.00 TFO 1			NAME OF BRIDE					
9,100.0	16.18	343.89	8,956.3	843.9	-482.6	563,883.89	688,352,88	32° 32' 57,366 N	103° 51' 22.3
9,200.0	16.57	19.88	9,052.4	870.7	-481.6	563,910.75	688,353.86	32° 32' 57.632 N	103° 51' 22.3

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Project:	New Mexico, XTO	MD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Site:	Big Eddy DI5	North Reference:	Grid
Vell:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Vellbore:	BEU 5E HAN SOLO 102H		
Design:	BEU 5E HAN SOLO 102H		

Measu	red			Vertical			Мар	Мар		
Dept		Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(usft		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
9,3	0.00	21.96	45.86	9,147.0	897.2	-463.3	563,937.25	688,372.17	32° 32' 57,894 N	103° 51' 22,121 W
9,4	00.0	29.74	60.44	9,237.0	922.5	-428.3	563,962.57	688,407.25	32° 32' 58.143 N	103° 51' 21.709 W
9,5	0.00	38.49	69.14	9,319.8	945.9	-377.5	563,985.95	688,458.04	32° 32' 58.372 N	103° 51' 21.115 W
	0.00	47.67	74.96	9,392.7	966.6	-312.5	564,006.67	688,522.98	32° 32' 58,574 N	103° 51' 20,355 W
9,7	00.0	57.08	79.28	9,453.7	984.1	-235.4	564,024.11	688,600.12	32° 32' 58.743 N	103° 51' 19.453 W
9,8	0.00	66.60	82.76	9,500.9	997.7	-148.4	564,037.74	688,687.09	32° 32' 58,874 N	103° 51' 18.436 W
9,9	0.00	76.19	85.76	9,532.8	1,007.1	-54.2	564,047.14	688,781.27	32° 32' 58.963 N	103° 51' 17.335 W
10,0	0.00	85.81	88.52	9,548.4	1,012.0	44.3	564,052.03	688,879.80	32° 32' 59,007 N	103° 51' 16.184 W
10,0	43.5	90.00	89.70	9,550.0	1,012.7	87.8	564,052.70	688,923.30	32° 32' 59.012 N	103° 51' 15.676 W
Star	rt 123	35.9 hold at 1	0043.5 MD							
10,1	00.00	90.00	89.70	9,550.0	1,013.0	144.2	564,053.00	688,979.75	32° 32' 59.012 N	103° 51' 15.016 W
10,2	0.00	90.00	89.70	9,550.0	1,013.5	244.2	564,053.53	689,079.75	32° 32' 59,013 N	103° 51' 13.848 W
10,3	0.00	90.00	89.70	9,550.0	1,014.0	344.2	564,054.06	689,179.75	32° 32' 59.014 N	103° 51' 12.679 W
10,4	0.00	90.00	89.70	9,550.0	1,014.6	444.2	564,054.59	689,279.75	32° 32' 59.014 N	103° 51' 11.511 W
10,5	0.00	90.00	89.70	9,550.0	1,015.1	544.2	564,055.12	689,379.74	32° 32' 59.015 N	103° 51' 10.343 W
10,6	0.00	90.00	89.70	9,550.0	1,015.6	644.2	564,055.65	689,479.74	32° 32' 59,016 N	103° 51' 9.174 W
10,7	00.0	90.00	89.70	9,550.0	1,016.1	744.2	564,056.18	689,579.74	32° 32' 59.017 N	103° 51' 8.006 W
10,8	0.00	90.00	89.70	9,550.0	1,016.7	844.2	564,056.71	689,679.74	32° 32' 59.017 N	103° 51' 6.838 W
10,9	0.00	90.00	89.70	9,550.0	1,017.2	944.2	564,057.24	689,779.74	32° 32' 59.018 N	103° 51' 5.669 W
11,0	0.00	90.00	89.70	9,550.0	1,017.7	1,044.2	564,057.77	689,879.74	32° 32' 59,019 N	103° 51' 4.501 W
11,1	0.00	90.00	89.70	9,550.0	1,018.3	1,144.2	564,058.29	689,979.74	32° 32' 59.020 N	103° 51' 3.333 W
11,2	0.00	90.00	89.70	9,550.0	1,018.8	1,244.2	564,058.82	690,079.73	32° 32' 59.020 N	103° 51' 2.164 W
11,3	0.00	90.00	89.70	9,550.0	1,019.3	1,344.2	564,059.35	690,179.73	32° 32' 59.021 N	103° 51' 0.996 W
11,4	0.00	90.00	. 89.70	9,550.0	1,019.9	1,444.2	564,059.88	690,279.73	32° 32' 59,022 N	103° 50' 59.828 W
11,5	0.00	90.00	89.70	9,550.0	1,020.4	1,544.2	564,060.41	690,379.73	32° 32' 59.023 N	103° 50' 58.659 W
11,6	0.00	90.00	89.70	9,550.0	1,020.9	1,644.2	564,060.94	690,479.73	32° 32' 59.023 N	103° 50' 57.491 W
11,7	0.00	90.00	89.70	9,550.0	1,021.4	1,744.2	564,061.47	690,579.73	32° 32' 59.024 N	103° 50' 56,323 W
11,8	0.00	90.00	89.70	9,550.0	1,022.0	1,844.2	564,062.00	690,679.73	32° 32' 59,025 N	103° 50' 55.154 W
11,9	0.00	90.00	89.70	9,550.0	1,022.5	1,944.2	564,062.53	690,779.72	32° 32' 59.026 N	103° 50' 53.986 W
12,0	0.00	90.00	89.70	9,550.0	1,023.0	2,044.2	564,063.06	690,879.72	32° 32' 59.026 N	103° 50' 52.818 W
12,1	00.0	90.00	89.70	9,550.0	1,023.6	2,144.2	564,063.59	690,979.72	32° 32' 59.027 N	103° 50' 51.649 W
12,2	0.00	90.00	89.70	9,550.0	1,024.1	2,244.2	564,064.12	691,079.72	32° 32' 59,028 N	103° 50' 50.481 W
12,3	0.00	90.00	89.70	9,550.0	1,024.6	2,344.2	564,064.65	691,179.72	32° 32' 59,029 N	103° 50' 49.313 W
12,4	0.00	90.00	89.70	9,550.0	1,025.1	2,444.2	564,065.18	691,279.72	32° 32' 59.029 N	103° 50' 48.144 W
12,5	0.00	90.00	89.70	9,550.0	1,025.7	2,544.2	564,065.71	691,379.72	32° 32' 59.030 N	103° 50' 46.976 W
12,6	0.00	90.00	89.70	9,550.0	1,026.2	2,644.2	564,066.23	691,479.71	32° 32' 59.031 N	103° 50' 45.808 W
12,7	0.00	90.00	89.70	9,550.0	1,026.7	2,744.2	564,066.76	691,579.71	32° 32' 59.031 N	103° 50' 44.639 W
12,8	0.00	90.00	89.70	9,550.0	1,027.3	2,844.2	564,067.29	691,679.71	32° 32' 59.032 N	103° 50' 43,471 W
12,9	0.00	90.00	89.70	9,550.0	1,027.8	2,944.2	564,067.82	691,779.71	32° 32' 59.033 N	103° 50' 42.303 W
13,0	0.00	90.00	89.70	9,550.0	1,028.3	3,044.2	564,068.35	691,879.71	32° 32' 59.033 N 🔹	103° 50' 41.134 W
13,1	00.0	90.00	89.70	9,550.0	1,028.9	3,144.2	564,068.88	691,979.71	32° 32' 59.034 N	103° 50' 39.966 W
13,2	0.00	90.00	89,70	9,550.0	1,029.4	3,244.2	564,069.41	692,079.71	32° 32' 59.035 N	103° 50' 38.798 W
13,3	0.00	90.00	89.70	9,550.0	1,029.9	3,344.2	564,069.94	692,179.70	32° 32' 59.036 N	103° 50' 37.629 W
13,4	0.00	90.00	89.70	9,550.0	1,030.4	3,444.2	564,070.47	692,279.70	32° 32' 59.036 N	103° 50' 36.461 W
13,5	00.0	90.00	89.70	9,550.0	1,031.0	3,544.2	564,071.00	692,379.70	32° 32' 59.037 N	103° 50' 35,293 W
13,6	00.0	90.00	89.70	9,550.0	1,031.5	3,644.2	564,071.53	692,479.70	32° 32' 59.038 N	103° 50' 34.124 W
13,7	00.0	90.00	89.70	9,550.0	1,032.0	3,744.2	564,072.06	692,579.70	32° 32' 59.038 N	103° 50' 32.956 W
13,8	0.00	90.00	89.70	9,550.0	1,032.6	3,844.2	564,072.59	692,679.70	32° 32' 59.039 N	103° 50' 31.788 W
13,9	00.0	90.00	89.70	9,550.0	1,033,1	3,944.2	564,073.12	692,779.70	32° 32' 59.040 N	103° 50' 30.619 W
14,0	0.00	90.00	89.70	9,550.0	1,033.6	4,044.2	564,073.65	692,879.69	32° 32' 59.040 N	103° 50' 29.451 W
14,1		90.00	89.70	9,550.0	1,034.1	4,144.2	564,074.17	692,979.69	32° 32' 59.041 N	103° 50' 28.283 W
14,2	0.00	90.00	89.70	9,550.0	1,034.7	4,244.2	564,074.70	693,079.69	32° 32' 59,042 N	103° 50' 27.115 W

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5I HAN SOLO 102H
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Project:	New Mexico, XTO	MD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Site:	Big Eddy DI5	North Reference:	Grid
Vell:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	BEU 5E HAN SOLO 102H		
Design:	BEU 5E HAN SOLO 102H		

Planned Survey

Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
14,300.0	90.00	89.70	9,550.0	1,035.2	4,344.2	564,075.23	693,179.69	32° 32' 59.042 N	103° 50' 25.946 W
14,400.0	90.00	89.70	9,550.0	1,035.7	4,444.2	564,075.76	693,279.69	32° 32' 59.043 N	103° 50' 24.778 W
14,500.0	90.00	89.70	9,550.0	1,036.3	4,544.2	564,076.29	693,379.69	32° 32' 59.044 N	103° 50' 23.610 W
14,600.0	90.00	89.70	9,550.0	1,036.8	4,644.2	564,076.82	693,479.69	32° 32' 59,044 N	103° 50' 22.441 W
14,700.0	90.00	89.70	9,550.0	1,037.3	4,744.2	564,077.35	693,579.69	32° 32' 59.045 N	103° 50' 21.273 W
14,800.0	90.00	89.70	9,550.0	1,037.9	4,844.2	564,077.88	693,679.68	32° 32' 59.046 N	103° 50' 20.105 W
14,900.0	90.00	89.70	9,550.0	1,038.4	4,944.2	564,078.41	693,779.68	32° 32' 59.046 N	103° 50' 18.936 W
15,000.0	90.00	89.70	9,550.0	1,038.9	5,044.2	564,078.94	693,879.68	32° 32' 59.047 N	103° 50' 17.768 W
15,100.0	90.00	89.70	9,550.0	1,039.4	5,144.2	564,079.47	693,979.68	32° 32' 59.047 N	103° 50' 16.600 W
15,200.0	90.00	89.70	9,550.0	1,040.0	5,244.2	564,080.00	694,079.68	32° 32' 59.048 N	103° 50' 15.431 W
15,300.0	90.00	89.70	9,550.0	1,040.5	5,344.2	564,080.53	694,179.68	32° 32' 59.049 N	103° 50' 14.263 W
15,400.0	90.00	89.70	9,550.0	1,041.0	5,444.2	564,081.06	694,279.68	32° 32' 59.049 N	103° 50' 13.095 W
15,500.0	90.00	89.70	9,550.0	1,041.6	5,544.2	564,081.59	694,379.67	32° 32' 59.050 N	103° 50' 11.926 W
15,600.0	90.00	89.70	9,550.0	1,042.1	5,644.2	564,082.11	694,479.67	32° 32' 59.051 N	103° 50' 10.758 W
15,700.0	90.00	89.70	9,550.0	1,042.6	5,744.2	564,082.64	694,579.67	32° 32' 59.051 N	103° 50' 9.590 W
15,800.0	90.00	89.70	9,550.0	1,043.1	5,844.2	564,083.17	694,679.67	32° 32' 59.052 N	103° 50' 8.421 W
15,900.0	90.00	89.70	9,550.0	1,043.7	5,944.2	564,083.70	694,779.67	32° 32' 59.052 N	103° 50' 7.253 W
16,000.0	90.00	89.70	9,550.0	1,044.2	6,044.2	564,084.23	694,879.67	32° 32' 59.053 N	103° 50' 6.085 W
16,100.0	90.00	89.70	9,550.0	1,044.7	6,144.2	564,084.76	694,979.67	32° 32' 59.054 N	103° 50' 4.916 W
16,200.0	90.00	89.70	9,550.0	1,045.3	6,244.2	564,085.29	695,079.66	32° 32' 59,054 N	103° 50' 3.748 W
16,300.0	90.00	89.70	9,550.0	1,045.8	6,344.2	564,085.82	695,179.66	32° 32' 59.055 N	103° 50' 2.580 W
16,400.0	90.00	89.70	9,550.0	1,046.3	6,444.2	564,086.35	695,279.66	32° 32' 59.055 N	103° 50' 1.411 W
16,500.0	90.00	89.70	9,550.0	1,046.9	6,544.2	564,086.88	695,379.66	32° 32' 59.056 N	103° 50' 0.243 W
16,600.0	90.00	89.70	9,550.0	1,047.4	6,644.2	564,087.41	695,479.66	32° 32' 59,057 N	103° 49' 59.075 W
16,700.0	90.00	89.70	9,550.0	1,047.9	6,744.2	564,087.94	695,579.66	32° 32' 59.057 N	103° 49' 57.906 W
16,800.0	90.00	89.70	9,550.0	1,048.4	6,844.2	564,088.47	695,679.66	32° 32' 59.058 N	103° 49' 56.738 W 103° 49' 55.570 W
16,900.0	90.00	89.70 89.70	9,550.0	1,049.0 1,049.5	6,944.2	564,089.00 564,089.53	695,779.65 695,879.65	32° 32' 59.058 N 32° 32' 59.059 N	103° 49' 54.401 W
17,000.0	90.00 90.00	89.70	9,550.0 9,550.0	1,049.5	7,044.1 7,144.1	564,090.05	695,979.65	32° 32' 59.060 N	103° 49' 53,233 W
17,100.0	90.00	89.70	9,550.0	1,050.0	7,144.1	564,090.58	696,079.65	32° 32' 59.060 N	103° 49' 52.065 W
17,200.0 17,300.0	90.00	89.70	9,550.0	1,051.1	7,344.1	564,090.00	696,179.65	32° 32' 59.060 N	103° 49' 50.896 W
17,300.0	90.00	89.70	9,550.0	1,051.6	7,444.1	564,091.64	696,279.65	32° 32' 59.061 N	103° 49' 49.728 W
17,500.0	90.00	89.70	9,550.0	1,052.1	7,544.1	564,092.17	696,379.65	32° 32' 59,062 N	103° 49' 48,560 W
17,600.0	90.00	89.70	9,550.0	1,052.7	7,644.1	564,092.70	696,479.64	32° 32' 59.062 N	103° 49' 47.391 W
17,300.0	90.00	89.70	9,550.0	1,053.2	7,744.1	564,093.23	696,579.64	32° 32' 59.063 N	103° 49' 46.223 W
17,800.0	90.00	89.70	9,550.0	1,053.7	7,844.1	564,093.76	696,679.64	32° 32' 59.064 N	103° 49' 45.055 W
17,900.0	90.00	89.70	9,550.0	1,054.3	7,944.1	564,094.29	696,779.64	32° 32' 59.064 N	103° 49' 43,886 W
18,000.0	90.00	89.70	9,550.0	1,054.8	8,044.1	564,094.82	696,879.64	32° 32' 59.065 N	103° 49' 42.718 W
18,100.0	90.00	89.70	9,550.0	1,055.3	8,144.1	564,095.35	696,979.64	32° 32' 59,065 N	103° 49' 41.550 W
18,200.0	90.00	89.70	9,550.0	1,055.8	8,244.1	564,095.88	697,079.64	32° 32' 59,066 N	103° 49' 40.381 W
18,300.0	90.00	89.70	9,550.0	1,056.4	8,344.1	564,096.41	697,179.63	32° 32' 59.066 N	103° 49' 39,213 W
18,400.0	90.00	89.70	9,550.0	1,056.9	8,444.1	564,096.94	697,279.63	32° 32' 59.067 N	103° 49' 38.045 W
18,500.0	90.00	89.70	9,550.0	1,057.4	8,544.1	564,097.47	697,379.63	32° 32' 59.067 N	103° 49' 36.876 W
18,600.0	90.00	89.70	9,550.0	1,058.0	8,644.1	564,097,99	697,479,63	32° 32' 59.068 N	103° 49' 35.708 W
18,700.0	90.00	89.70	9,550.0	1,058.5	8,744.1	564,098.52	697,579,63	32° 32' 59,068 N	103° 49' 34.540 W
18,800.0	90.00	89.70	9,550.0	1,059.0	8,844.1	564,099.05	697,679.63	32° 32' 59.069 N	103° 49' 33.371 W
18,900.0	90.00	89.70	9,550.0	1,059.6	8,944.1	564,099.58	697,779.63	32° 32' 59.069 N	103° 49' 32.203 W
19,000.0	90.00	89.70	9,550.0	1,060.1	9,044.1	564,100.11	697,879.62	32° 32' 59.070 N	103° 49' 31.035 W
19,100.0	90.00	89.70	9,550.0	1,060.6	9,144.1	564,100.64	697,979.62	32° 32' 59.070 N	103° 49' 29.866 W
19,200.0	90.00	89.70	9,550.0	1,061.1	9,244.1	564,101.17	698,079.62	32° 32' 59.071 N	103° 49' 28.698 W
19,300.0	90.00	89.70	9,550.0	1,061.7	9,344.1	564,101.70	698,179.62	32° 32' 59.071 N	103° 49' 27.530 W
19,400.0	90.00	89.70	9,550.0	1,062.2	9,444.1	564,102.23	698,279.62	32° 32' 59.072 N	103° 49' 26,361 W

Planning Report - Geographic

Design:	BEU 5E HAN SOLO 102H		
Wellbore:	BEU 5E HAN SOLO 102H		and the second second second second second second
Well:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Site:	Big Eddy DI5	North Reference:	Grid
Project:	New Mexico, XTO	MD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
19,500.0	90.00	89.70	9,550.0	1,062.7	9,544.1	564,102.76	698,379,62	32° 32' 59,072 N	103° 49' 25,193 W
19,600.0	90.00	89.70	9,550.0	1,063.3	9,644.1	564,103.29	698,479,62	32° 32' 59,073 N	103° 49' 24.025 W
19,700.0	90.00	89.70	9,550.0	1,063.8	9,744.1	564,103.82	698,579,62	32° 32' 59,073 N	103° 49' 22,856 W
19,800.0	90.00	89.70	9,550.0	1,064.3	9,844.1	564,104.35	698,679,61	32° 32' 59,074 N	103° 49' 21,688 W
19,900.0	90.00	89.70	9,550.0	1,064.8	9,944.1	564,104.88	698,779.61	32° 32' 59.074 N	103° 49' 20.520 W
20,000.0	90.00	89.70	9,550.0	1,065.4	10,044.1	564,105.41	698,879,61	32° 32' 59.075 N	103° 49' 19.352 W
20,100.0	90.00	89.70	9,550.0	1,065.9	10,144.1	564,105.93	698,979.61	32° 32' 59.075 N	103° 49' 18.183 W
20,200.0	90.00	89.70	9,550.0	1,066.4	10,244.1	564,106.46	699,079.61	32° 32' 59.076 N	103° 49' 17.015 W
20,300.0	90.00	89.70	9,550.0	1,067.0	10,344.1	564,106.99	699,179.61	32° 32' 59.076 N	103° 49' 15.847 W
20,400.0	90.00	89.70	9,550.0	1,067.5	10,444.1	564,107.52	699,279.61	32° 32' 59.077 N	103° 49' 14.678 W
20,500.0	90.00	89.70	9,550.0	1,068.0	10,544.1	564,108.05	699,379.60	32° 32' 59.077 N	103° 49' 13.510 W
20,600.0	90.00	89,70	9,550.0	1,068.6	10,644.1	564,108.58	699,479.60	32° 32' 59,078 N	103° 49' 12,342 W
20,700.0	90.00	89.70	9,550.0	1,069.1	10,744.1	564,109,11	699,579.60	32° 32' 59.078 N	103° 49' 11.173 W
20,800.0	90.00	89.70	9,550.0	1,069.6	10,844.1	564,109.64	699,679.60	32° 32' 59.079 N	103° 49' 10.005 W
20,900.0	90.00	89.70	9,550.0	1,070.1	10,944.1	564,110.17	699,779.60	32° 32' 59.079 N	103° 49' 8.837 W
21,000.0	90.00	89.70	9,550.0	1,070.7	11,044.1	564,110.70	699,879.60	32° 32' 59.080 N	103° 49' 7.668 W
21,100.0	90.00	89.70	9,550.0	1,071.2	11,144.1	564,111.23	699,979.60	32° 32' 59,080 N	103° 49' 6.500 W
21,200.0	90.00	89.70	9,550.0	1,071.7	11,244.1	564,111.76	700,079.59	32° 32' 59.081 N	103° 49' 5.332 W
21,300.0	90.00	89.70	9,550.0	1,072.3	11,344.1	564,112.29	700,179.59	32° 32' 59.081 N	103° 49' 4.163 W
21,400.0	90.00	89.70	9,550.0	1,072.8	11,444.1	564,112.82	700,279.59	32° 32' 59,081 N	103° 49' 2.995 W
21,500.0	90.00	89.70	9,550.0	1,073.3	11,544.1	564,113.35	700,379.59	32° 32' 59.082 N	103° 49' 1.827 W
22,379.4	90.00	89.70	9,550.0	1,078.0	12,423.5	564,117.99	701,259.00	32° 32' 59.086 N	103° 48' 51.552 W
TD at 22	379.4								

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL 15-1 - plan hits target ce - Rectangle (sides		262.97 D0.0)	9,550.0	1,078.0	12,423.5	564,117.99	701,259.00	32° 32' 59.086 N	103° 48' 51.552 W
FTP 15-1 - plan hits target ce - Rectangle (sides		209.30 20.0)	9,550.0	1,012.7	87.8	564,052.70	688,923.30	32° 32' 59.012 N	103° 51' 15.676 W

Measured	Vertical		Casing	Hole
Depth	Depth		Diameter	Diameter
(usft)	(usft)	Name	(")	(")

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BEU 5E HAN SOLO 102H - Slot BEU 5E HAN SOLO 102H
Company:	Delaware Basin Asset	TVD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Project:	New Mexico, XTO	MD Reference:	BEU 5E HAN SOLO 102H Default @ 3555.0usft
Site:	Big Eddy DI5	North Reference:	Grid
Nell:	BEU 5E HAN SOLO 102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	BEU 5E HAN SOLO 102H		
Design:	BEU 5E HAN SOLO 102H		

Plan Annotations

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Measured	Vertical	Local Coor	dinates		
Depth (usft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
2,700.0	2,700.0	0.0	0.0	Start Build 2.00	
2,850.0	2,849.9	3.2	-2.3	Start Drop -2.00	
3,000.0	2,999.9	6.4	-4.5	Start 2500.0 hold at 3000.0 MD	
5,500.0	5,499.9	6.4	-4.5	Start Build 2.00	
6,389.4	6,375.1	125.3	-72.6	Start 2667.6 hold at 6389.4 MD	
9,057.0	8,915.1	832.4	-477.7	Start DLS 10.00 TFO 118.32	
10,043.5	9,550.0	1,012.7	87.8	Start 12335.9 hold at 10043.5 MD	
22.379.4	9,550,0	1.078.0	12.423.5	TD at 22379.4	

XTO respectfully requests approval to utilize a spudder rig to pre-set surface casing.

Description of Operations:

- 1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
 - After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
- 2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
- 3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
 - a. A means for intervention will be maintained while the drilling rig is not over the well.
- 4. Spudder rig operations are expected to take 2-3 days per well on the pad.
- 5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
 - a. The larger rig will move back onto the location within 180 days from the point at which the wells are secured and the spudder rig is moved off location.
 - b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
- 7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
- 8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.

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.

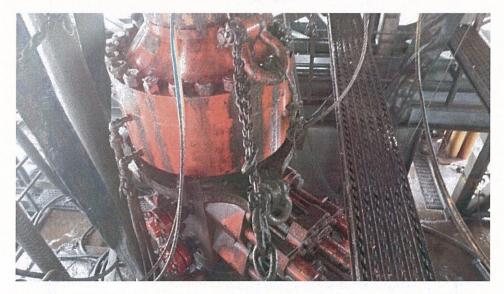


Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. OOGO No. 2 recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

entra di seconda di se	and the second of the second second	Pressure Test—High Pressure			
Component to be Pressure Tested	Pressure Test—Low Pressure ³⁶ psig (MPa)	Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket		
Annular preventer ^e	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.		
Fixed pipe, variable bore, blind, and BSR preventers ^{td}	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP		
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP		
Choke manifold—upstream of chokes*	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP		
Choke manifold—downstream of chokes ^e	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or M whichever is lower	MASP for the well program,		
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program			
Annular(s) and VBR(s) shall be pre	during the evaluation period. The p ssure tested on the largest and sma	ressure shall not decrease below the allest OD drill pipe to be used in well 1 the 21 days, pressure testing is req	program.		

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.

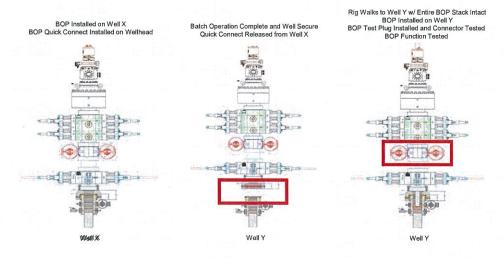
Procedures

10

- 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.

- 11. For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
- 12. A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

1. After a full BOP test is conducted on the first well on the pad.

2. 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.

3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

