Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: Gas Well Oil Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing Single Zone Multiple Zone 2. Name of Operator 9. API Well No. 30 015 48157 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area At surface At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 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. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above) 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. 6. Such other site specific information and/or plans as may be requested by the SUPO must be filed with the appropriate Forest Service Office). 25. Signature Name (Printed/Typed) Date Title Approved by (Signature) Date Name (Printed/Typed) Title Office 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

APPROVED WITH CONDITIONS

Approval Date: 07/05/2019

En

(Continued on page 2)

*(Instructions on page 2)

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

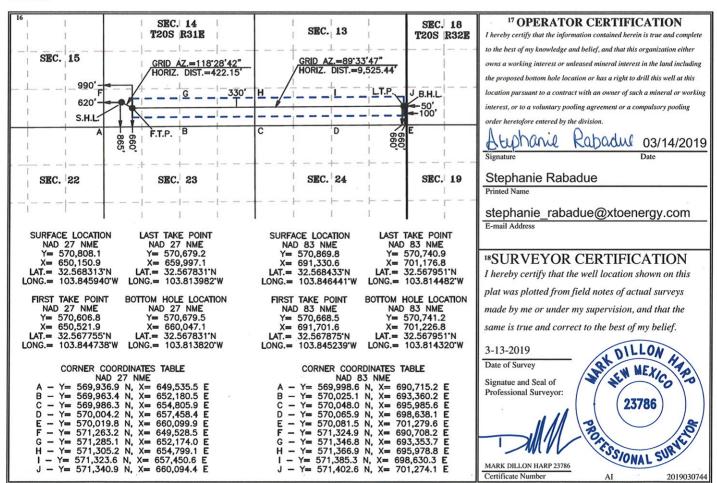
■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe	er	² Pool Code	³ Pool Name		
30-015-	18157	97650			
⁴ Property Code		5]	⁶ Well Number		
325957		BIG EDD	Y UNIT 30E ANAKIN	206H	
⁷ OGRID No.		8 (Operator Name	9 Elevation	
260737		XTO PERMI	AN OPERATING, LLC.	3,451'	
	-				

¹⁰ Surface Location UL or lot no. Feet from the Feet from the East/West line County Section Township Range Lot Idn North/South line 31 E M 14 20 S 865 SOUTH 620 WEST **EDDY** ¹¹ Bottom Hole Location If Different From Surface Feet from the UL or lot no. Section Township Range Lot Idn Feet from the North/South line East/West line County 20 S 31 E SOUTH 50 **EAST EDDY** 13 660 12 Dedicated Acres Joint or Infill ¹⁴ Consolidation Code ⁵ Order No. 320

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.



Inten	t	As Dril	led											
API#	ŀ													
Ope	rator Nai	me:				Prop	perty N	ame:						Well Number
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N	l/S	Feet		From	n E/W	County	
Latitu	ude				Longitu	ıde				_			NAD	
First	Take Poir	nt (FTP)												
UL	Section	Township	Range	Lot	Feet		From N	l/S	Feet		From	n E/W	County	
Latitu	ude				Longitu	ıde				_			NAD	
Last T	「ake Poin	t (LTP)												
UL	Section	Township	Range	Lot	Feet	Froi	m N/S	Feet		From E,	/W	Count	У	
Latitu	ude				Longitu	ıde						NAD		
Is this	s well the	defining v	vell for th	e Hori	zontal S _l	pacinį	g Unit?]				
Is this	s well an	infill well?												
	ng Unit.	lease provi	de API if	availal	ole, Ope	rator	Name	and w	vell n	umber [.]	for [Definir	ng well fo	r Horizontal
Ope	rator Nai	me:				Prop	oerty N	ame:						Well Number
<u> </u>						<u> </u>								1

KZ 06/29/2018

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

XTO Permian Operating, LLC OPERATOR'S NAME:

> **LEASE NO.:** NMLC-0063667

WELL NAME & NO.: Big Eddy Unit 30E Anakin 206H

SURFACE HOLE FOOTAGE: 0865' FSL & 0620' FWL

0660' FSL & 0050' FEL Sec. 13, T. 20 S., R 31 E. **BOTTOM HOLE FOOTAGE**

> Section 14, T. 20 S., R 31 E., NMPM LOCATION:

COUNTY: County, New Mexico

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

□ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

1. Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
- 4. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Potash Areas:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24 hours</u>. WOC time will be recorded in the driller's log.

Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

R-111-P Potash

Capitan Reef

Possibility of water flows in the Castile, Yates, and Salado.

Possibility of lost circulation in the Red Beds, Rustler, Yates, Capitan Reef, and Delaware.

- 1. The 18-5/8 inch surface casing shall be set at approximately 820 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface. If salt is encountered, set casing at least 25 feet above the salt.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

 $13-3/8\ 1^{\rm st}$ Intermediate casing shall be kept fluid filled while running into hole to meet BLM minimum collapse requirements.

2.	The minimum required fill of cement behind the 13-3/8 inch 1 intermediate casing
	(set below the base of the Salt) is:

☐ Cement to surface. If cement does not circulate see B.1.a, c-d above.	Wait on
cement (WOC) time for a primary cement job is to include the lea	ıd
cement slurry due to potash.	

3.	The minimum	required fill	of cement	behind th	he 9-5/8	inch 2 nd	intermediate	casing is:
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Operator has proposed DV tool at depth of 2270', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

	include the lead cement slurry due to potash.
	office. Wait on cement (WOC) time for a primary cement job is to
	Cement to surface. If cement does not circulate, contact the appropriate BLM
b.	Second stage above DV tool:
	Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.
а.	That stage to DV tool.

Centralizers required through the curve and a minimum of one every other joint.

- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - ☐ Cement should tie-back at least **50 feet above the Capitan Reef** (Top of Capitan Reef estimated at 2808'). Operator shall provide method of verification.
- 5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 6. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- C. PRESSURE CONTROL

a First stage to DV tool:

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API 53.
- 2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be psi.
- 4. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 13-3/8 1st intermediate casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 13-3/8 1st intermediate casing shoe shall be psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Operator shall perform the 9-5/8" casing integrity tests to 70% of the casing burst. This will test the multi-bowl seals.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of hours in advance for a representative to witness the tests.

- a. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.
- b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
- c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JAM 060519



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

Submission Date: 03/20/2019

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT 30E ANAKIN

Well Number: 206H

recent changes
Show Final Text

Highlighted data reflects the most

Well Type: OIL WELL

APD ID: 10400040097

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	PERMIAN	3451	0	0	OTHER : Alluvium	NONE	No
2	RUSTLER	2763	686	686	SILTSTONE	USEABLE WATER	No
3	TOP SALT	2499	950	950	SALT	POTASH	No
4	BASE OF SALT	1480	1969	1969	SALT	POTASH	No
5	CAPITAN REEF	713	2736	2736	LIMESTONE	USEABLE WATER	No
6	DELAWARE	-568	4017	4017	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No

Section 2 - Blowout Prevention

Pressure Rating (PSI): 2M Rating Depth: 820

Equipment: The blow out preventer equipment (BOP) on surface casing temporary wellhead will consist of a 21-1/4"

minimum 2M Hydril.

Requesting Variance? YES

Variance request: 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.

Testing Procedure: 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, the BOP test will be limited to 1500 psi. All BOP tests will include a low pressure test as per BLM regulations. The 2M BOP diagram is attached.

Choke Diagram Attachment:

BEU30_2MCM_20190312053134.pdf

BOP Diagram Attachment:

BEU30_2MBOP_20190312053147.pdf

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Pressure Rating (PSI): 3M Rating Depth: 8174

Equipment: The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 3M Hydril and a 13-5/8"

minimum 3M Double Ram BOP. Requesting Variance? YES

Variance request: 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 to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint. 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

Testing Procedure: 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, the BOP test will be limited to 3,000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagram is attached. Blind rams will be function tested each trip, pipe rams will be function tested each day.

Choke Diagram Attachment:

BEU30_3MCM_20190218081411.pdf

BOP Diagram Attachment:

BEU30_3MBOP_20190218081426.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	24	18.625	NEW	API	N	0	820	0	820			820	H-40	87.5	STC	1.7	2.46	DRY	7.79	DRY	7.79
2	INTERMED IATE	17.5	13.375	NEW	API	N	0	2170	0	2170			2170	J-55	54.5	STC	1.68	2.71	DRY	4.35	DRY	4.35
	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	4060	0	4060			4060	J-55	40	LTC	1.63	2.38	DRY	4.48	DRY	4.48
	PRODUCTI ON	8.75	5.5	NEW	API	N	0	17954	0	8174			17954	P- 110	17	BUTT	1.67	1.12	DRY	2.47	DRY	2.47

Casing Attachments

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT 30E ANAKIN

Casing Attachments

Casing ID: 1 String Type: SURFACE
Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BEU_30E_Anakin_206H_Csg_20190319063915.pdf

Casing ID: 2 String Type: INTERMEDIATE
Inspection Document:

Spec Document:

Casing Design Assumptions and Worksheet(s):

BEU_30E_Anakin_206H_Csg_20190319063922.pdf

Casing ID: 3 String Type: INTERMEDIATE

Inspection Document:

Tapered String Spec:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

 $BEU_30E_Anakin_206H_Csg_20190319063930.pdf$

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Casing Attachments

Casing ID: 4 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BEU_30E_Anakin_206H_Csg_20190319063945.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	820	690	1.87	12.9	1290. 3	100	EconoCem- HLTRRC	None
SURFACE	Tail				550	1.35	14.8	742.5	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	2170	1380	1.87	12.9	2580. 6	100	EconoCem- HLTRRC	None
INTERMEDIATE	Tail				300	1.35	14.8	405	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	2270	580	1.88	12.9	1090. 4	100	Halcem-C	2% CaCl
INTERMEDIATE	Tail				230	1.33	14.8	305.9	100	Halcem-C	2% CaCl
INTERMEDIATE	Lead	2270	2270	4060	420	1.88	12.9	789.6	100	EconoCem-HCL	2% CaCl
INTERMEDIATE	Tail				230	1.33	14.8	305.9	100	HalCem-C	2% CaCl
PRODUCTION	Lead		0	1795 4	650	2.69	10.5	1748. 5	30	NeoCem	None
PRODUCTION	Tail				2300	1.61	13.2	3703	30	VersaCem	None

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: A Pason or Totco will be used to detect changes in loss or gain of mud volume.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	РН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
2170	4060	OTHER : FW	8.7	9							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
0	820	OTHER : FW/Native	8.4	8.7							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
4060	8174	OTHER : FW/Cut Brine/Polymer	9.1	9.2							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

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cuft)	Gel Strength (lbs/100 sqft)	НА	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics as a closed loop system
820	2170	OTHER : Brine/Gel Sweeps	9.8	10.1							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

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Open hole logging to include Density/Neutron/PE/Dual Laterlog/Spectral Gamma from kick-off point to intermediate casing shoe.

List of open and cased hole logs run in the well:

CBL,CNL,DS,GR

Coring operation description for the well:

No coring will take place on this well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4388 Anticipated Surface Pressure: 2244.1

Anticipated Bottom Hole Temperature(F): 160

Anticipated abnormal pressures, temperatures, or potential geologic hazards? YES

Describe:

Potential loss of circulation through the Capitan Reef.

Contingency Plans geoharzards description:

The necessary mud products for weight addition and fluid loss control will be on location at all times. 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. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

Contingency Plans geohazards attachment:

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

BEU30_H2S_Dia_20190218114621.pdf BEU30_H2S_20190218114648.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BEU_30E_Anakin_206H_DD_20190319064127.pdf

Other proposed operations facets description:

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.

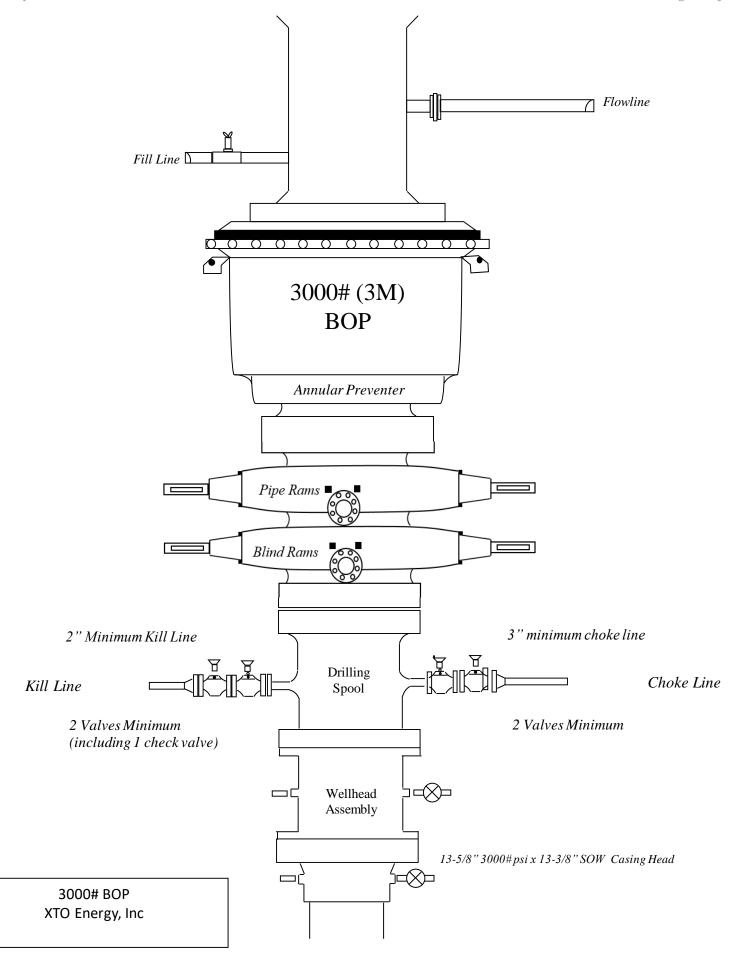
XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

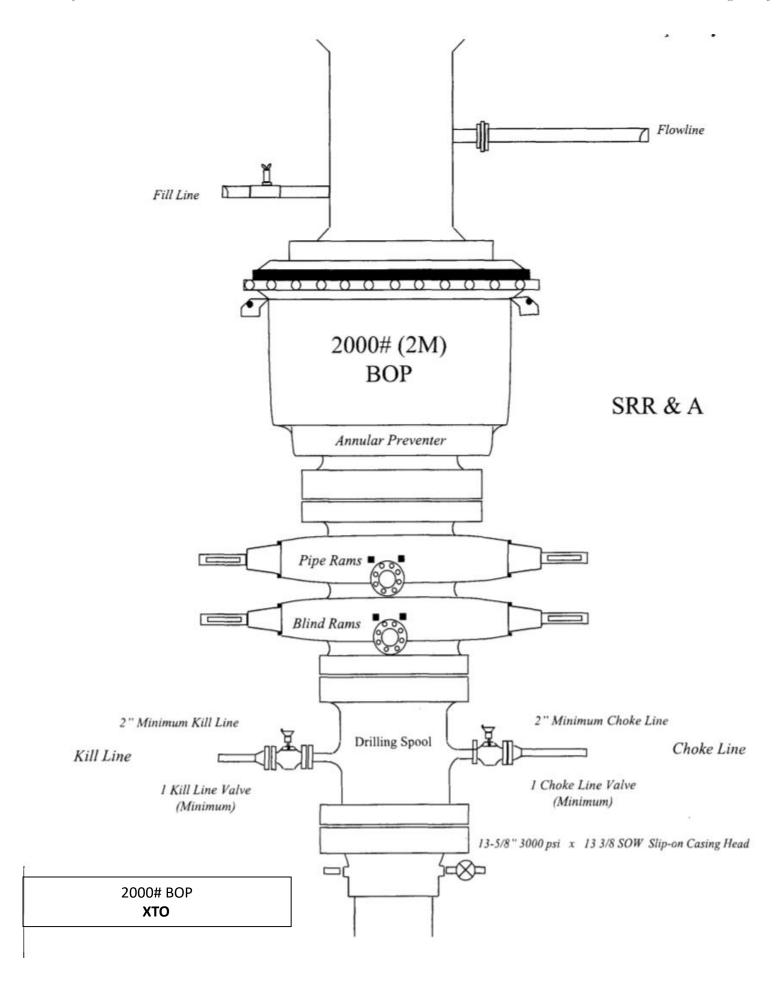
Other proposed operations facets attachment:

BEU_30E_Anakin_206H_GCP_20190320115518.pdf

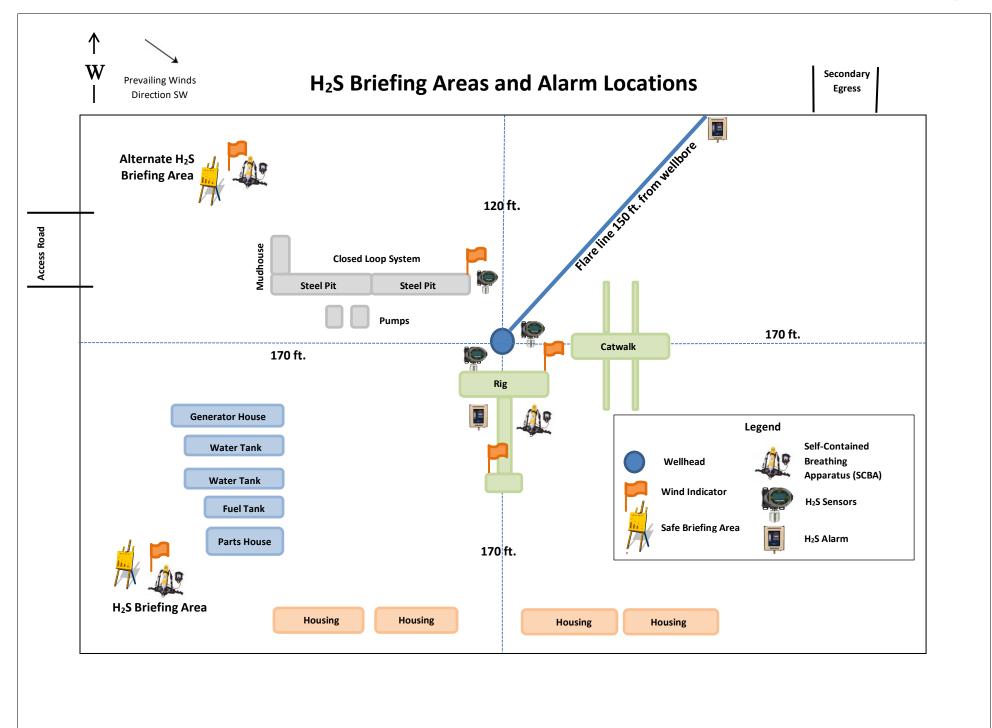
Other Variance attachment:

BEU30_FH_20190218114835.pdf BEU30_MBS_20190530101258.pdf





Casing	Design									
	Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
	24"	0' - 820'	18-5/8"	87.5	STC	H-40	New	2.46	1.70	7.79
	17-1/2°	0' – 2170'	13-3/8"	54.5	STC	J-55	New	2.71	1.68	4.35
	12-1/4"	0' – 4060'	9-5/8"	40	LTC	J-55	New	2.38	1.63	4.48
	8-3/4"	0' – 17954'	5-1/2°	17	BTC	P-110	New	1.12	1.67	2.47
			_			weight multiplied by a casing or 1500 psi, v			35	
		nuiar & 10-5/6	casing will b	e limited to	70% burst of the 0	casing or 1500 psi, v	vnichver is i	88		
/ellhead	1: Temporary We	ellhead								
		· 18-5/8" SOW	bottom x 21-	-1/4" 2M top	p flange.					
	Permanent W	ellhead – GE I	RSH Multib	owl Syste	m					
	A. Starting Head	l: 13-5/8" 5M top	flange x 13	-3/8" SOW	bottom					
	B. Tubing Head:	13-5/8" 5M bott	om flange x	7-1/16° 101	M top flange					
		· Wellhead will	be installed	by manufac	cturer's representa	atives.				
						ppropriate temperatu	ire of seal.			
					er BLM Onshore C					
		 Wellhead Man 	ufacturer re	presentativ	ve will not be prese	ent for BOP test plug	installation			



Received by OCD: 4/18/2021 6:01:45 PM	Page 24 of 45

GENERAL OFFICES - MIDLAND, TEXAS

BOPCO, L.P.

6401 Holiday Hill Road Midland, Tx 79707 (432) 683-2277

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
 - o Detection of H₂S, and
 - o Measures for protection against the gas,
 - o Equipment used for protection and emergency response.

Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H₂S and SO₂

Common Name	Chemical	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
	Formula				
Hydrogen Sulfide	H ₂ S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = I	2 ppm	N/A	1000 ppm

Contacting Authorities

BOPCO, L.P. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

CARLSBAD OFFICE – EDDY & LEA COUNTIES

3104 E. Greene St., Carlsbad, NM 88220	
Carlsbad, NM	575-887-7329
BOPCO, L.P. PERSONNEL:	
Kendall Decker, Drilling Manager	903-521-6477
Milton Turman, Drilling Superintendent	817-524-5107
Jeff Raines, Construction Foreman	432-557-3159
Toady Sanders, EH & S Manager	903-520-1601
Wes McSpadden, Production Foreman	575-441-1147
SHERIFF DEPARTMENTS:	
Eddy County	575-887-7551
Lea County	575-396-3611
NEW MENTO CELEBRATE POLICE	575 202 5500
NEW MEXICO STATE POLICE:	575-392-5588
FIRE DEPARTMENTS:	911
Carlsbad	575-885-2111
Eunice	575-394-2111
Hobbs	575-397-9308
Jal	575-395-2221
Lovington	575-396-2359
HOSPITALS:	911
Carlsbad Medical Emergency	575-885-2111
Eunice Medical Emergency	575-394-2112
Hobbs Medical Emergency	575-397-9308
Jal Medical Emergency	575-395-2221
Lovington Medical Emergency	575-396-2359
AGENT NOTIFICATIONS:	
For Lea County:	
Bureau of Land Management – Hobbs	575-393-3612
New Mexico Oil Conservation Division – Hobbs	575-393-6161
For Eddy County:	
Bureau of Land Management - Carlsbad	575-234-5972
New Mexico Oil Conservation Division - Artesia	575-748-1283



XTO Energy

Eddy County, NM (NAD-27) BEU 30E Anakin #206H

Wellbore #1

Plan: PERMIT

Standard Planning Report

14 March, 2019

Created By: Matthew May Date: 11:14, March 14 2019

isions made or wells drilled utilizing this or any other information

otype are at the sole risk and responsibility of the cus

District I

District III

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

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 Numbe	er	² Pool Code		
30-015-				
⁴ Property Code		⁵ Pr	operty Name	⁶ Well Number
		BIG EDDY	UNIT 30E ANAKIN	206Н
⁷ OGRID No.		8 O _l	perator Name	⁹ Elevation
260737		XTO PERMIA	AN OPERATING, LLC.	3,451'

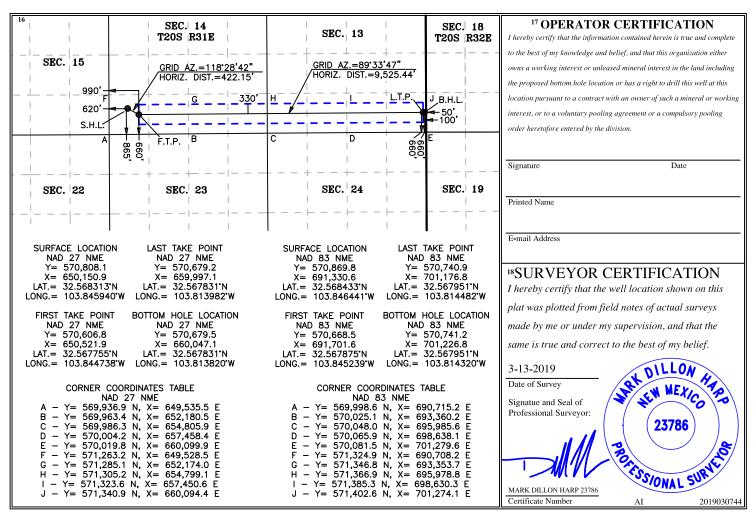
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	ı
M	14	20 S	31 E		865	SOUTH	620	WEST	EDDY	

¹¹ Bottom Hole Location If Different From Surface

	Bottom Hole Location if Billetent From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
P	13	20 S	31 E		660	SOUTH	50	EAST	EDDY	
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 (der No.					

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.





Planning Report

EDM 5000.1 Single User Db Database:

Company: XTO Energy

Project: Eddy County, NM (NAD-27) BEU 30E Site: Well: Anakin #206H Wellbore: Wellbore #1 **PERMIT**

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Minimum Curvature

Project Eddy County, NM (NAD-27)

Map System: Geo Datum:

Design:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Map Zone: New Mexico East 3001 System Datum:

Mean Sea Level

BEU 30E Site

Northing: 571,405.90 usft Site Position: Latitude: 32.569959 From: Мар Easting: 649,932.70 usft Longitude: -103.846639 **Position Uncertainty:** 0.00 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.262°

Well Anakin #206H

+N/-S **Well Position** -597.80 usft Northing: 570,808.10 usft Latitude: 32.568313 +E/-W 218.20 usft Easting: 650,150.90 usft Longitude: -103.845940

Position Uncertainty 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3,451.00 usft

Wellbore #1 Wellbore

Field Strength **Magnetics Model Name Sample Date Declination Dip Angle** (°) (nT) (°) IGRF2015 3/14/2019 6.920 60.312 47,934

PERMIT Design

Audit Notes:

Phase: Version: **PLAN** Tie On Depth: 0.00

Vertical Section: Depth From (TVD) +N/-S +E/-W **Direction** (usft) (usft) (usft) (°) 0.00 0.00 0.00 89.56

Plan Section	s									
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	0.000	
4,385.00	0.00	0.00	4,385.00	0.00	0.00	0.00	0.00	0.00	0.000	
4,635.11	5.00	228.90	4,634.79	-7.17	-8.22	2.00	2.00	0.00	228.896	
7,495.35	5.00	228.90	7,484.14	-171.13	-196.15	0.00	0.00	0.00	0.000	
8,428.47	89.52	89.56	8,094.00	-201.30	371.00	10.00	9.06	-14.93	-139.253	BE-30E Anakin#20
17,904.28	89.52	89.56	8,173.58	-128.98	9,846.20	0.00	0.00	0.00	0.000	BE-30E Anakin#20
17,954.29	89.52	89.56	8,174.00	-128.60	9,896.20	0.00	0.00	0.00	0.000	BE-30E Anakin#20



Project:

Planning Report

Database: EDM 5000.1 Single User Db

Eddy County, NM (NAD-27)

Company: XTO Energy

Site: BEU 30E
Well: Anakin #206H
Wellbore: Wellbore #1
Design: PERMIT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H

RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Grid

anned 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)
0.00 BF-30F Ar	0.00 nakin# 206H: S	0.00	0.00 & 620' FWL)	0.00	0.00	0.00	0.00	0.00	0.00
100.00 200.00 300.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	100.00 200.00 300.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
686.00	0.00	0.00	686.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler 700.00 800.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado/Top		0.00	550.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,969.00	0.00	0.00	1,969.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,736.00	0.00	0.00	2,736.00	0.00	0.00	0.00	0.00	0.00	0.00
Capitan Re		0.00	_,. 50.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00 4,017.00	0.00	0.00 0.00	4,000.00 4,017.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00
Delaware S 4,100.00		0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00





Project:

EDM 5000.1 Single User Db Database: Company:

XTO Energy

Eddy County, NM (NAD-27)

BEU 30E Site: Anakin #206H Well: Wellbore: Wellbore #1 **PERMIT** Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H

RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

esigii.									
lanned 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)
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,385.00	0.00	0.00	4,385.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.30	228.90	4,400.00	-0.03	-0.03	-0.03	2.00	2.00	0.00
4,500.00	2.30	228.90	4,499.97	-1.52	-1.74	-1.75	2.00	2.00	0.00
4,600.00	4.30	228.90	4,599.80	-5.30	-6.08	-6.12	2.00	2.00	0.00
4,635.11	5.00	228.90	4,634.79	-7.17	-8.22	-8.28	2.00	2.00	0.00
4,700.00	5.00	228.90	4,699.44	-10.89	-12.49	-12.57	0.00	0.00	0.00
4,800.00	5.00	228.90	4,799.05	-16.63	-19.06	-19.18	0.00	0.00	0.00
4,802.96	5.00	228.90	4,802.00	-16.79	-19.25	-19.38	0.00	0.00	0.00
Manzanita I			·						
4,900.00	5.00	228.90	4,898.67	-22.36	-25.63	-25.80	0.00	0.00	0.00
5,000.00	5.00	228.90	4,998.29	-28.09	-32.20	-32.41	0.00	0.00	0.00
5,100.00	5.00	228.90	5,097.91	-33.82	-38.77	-39.02	0.00	0.00	0.00
5,200.00	5.00	228.90	5,197.53	-39.55	-45.34	-45.64	0.00	0.00	0.00
5,300.00	5.00	228.90	5,297.15	-45.29	-51.91	-52.25	0.00	0.00	0.00
5,400.00	5.00	228.90	5,396.77	-51.02	-58.48	-58.87	0.00	0.00	0.00
5,500.00	5.00	228.90	5,496.39	-56.75	-65.05	-65.48	0.00	0.00	0.00
5,600.00	5.00	228.90	5,596.01	-62.48	-71.62	-72.09	0.00	0.00	0.00
5,700.00	5.00	228.90	5,695.63	-68.22	-78.19	-78.71	0.00	0.00	0.00
5,789.72	5.00	228.90	5,785.00	-73.36	-84.08	-84.64	0.00	0.00	0.00
Brushy Car	nyon Ss.								
5,800.00	5.00	228.90	5,795.25	-73.95	-84.76	-85.32	0.00	0.00	0.00
5,900.00	5.00	228.90	5,894.86	-79.68	-91.33	-91.94	0.00	0.00	0.00
6,000.00	5.00	228.90	5,994.48	-85.41	-97.90	-98.55	0.00	0.00	0.00
6,100.00	5.00	228.90	6,094.10	-91.15	-104.47	-105.16	0.00	0.00	0.00
6,200.00	5.00	228.90	6,193.72	-96.88	-111.04	-111.78	0.00	0.00	0.00
6,300.00	5.00	228.90	6,293.34	-102.61	-117.61	-118.39	0.00	0.00	0.00
6,400.00	5.00	228.90	6,392.96	-108.34	-124.18	-125.01	0.00	0.00	0.00
6,500.00	5.00	228.90	6,492.58	-114.08	-130.75	-131.62	0.00	0.00	0.00
6,600.00	5.00	228.90	6,592.20	-119.81	-137.32	-138.24	0.00	0.00	0.00
6,700.00	5.00	228.90	6,691.82	-125.54	-143.89	-144.85	0.00	0.00	0.00
6,800.00	5.00	228.90	6,791.44	-131.27	-150.46	-151.46	0.00	0.00	0.00
6,900.00	5.00	228.90	6,891.06	-137.01	-157.03	-158.08	0.00	0.00	0.00
7,000.00	5.00	228.90	6,990.68	-142.74	-163.60	-164.69	0.00	0.00	0.00
7,100.00	5.00	228.90	7,090.29	-148.47	-170.17	-171.31	0.00	0.00	0.00
7,148.89	5.00	228.90	7,139.00	-151.27	-173.38	-174.54	0.00	0.00	0.00
•	shy Canyon S		,						
7,200.00	5.00	228.90	7,189.91	-154.20	-176.74	-177.92	0.00	0.00	0.00
7,300.00	5.00	228.90	7,289.53	-159.93	-183.31	-184.53	0.00	0.00	0.00
7,381.78	5.00	228.90	7,371.00	-164.62	-188.68	-189.94	0.00	0.00	0.00
Bone Sprin	ıg Lm.								
7,400.00	5.00	228.90	7,389.15	-165.67	-189.88	-191.15	0.00	0.00	0.00
7,495.35	5.00	228.90	7,484.14	-171.13	-196.15	-197.45	0.00	0.00	0.00
7,500.00	4.66	225.16	7,488.77	-171.40	-196.43	-197.74	10.00	-7.36	-80.40
7,544.32	3.44	160.85	7,533.00	-173.93	-197.27	-198.60	10.00	-2.74	-145.11
Avalon Ss. 7,550.00	3.67	152.40	7,538.67	-174.25	-197.13	-198.46	10.00	3.90	-148.75
7,561.36	4.30	138.80	7,550.00	-174.89	-196.68	-198.02	10.00	5.61	-119.78
Upper Aval		130.00	7,550.00	-174.03	- 130.00	-130.02	10.00	5.01	-113.70
7,600.00	7.42	115.48	7,588.44	-177.06	-193.47	-194.83	10.00	8.07	-60.33
7,611.67	8.49	112.00	7,600.00	-177.70	-192.00	-193.35	10.00	9.11	-29.87
Upper Aval									





Design:

EDM 5000.1 Single User Db Database: Company:

XTO Energy

Project: Eddy County, NM (NAD-27) BEU 30E Site: Anakin #206H Well: Wellbore: Wellbore #1 **PERMIT**

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H

RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Design:		PERMIT								
Planne	d 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)
	7,650.00	12.11	104.94	7,637.71	-179.80	-185.49	-186.86	10.00	9.46	-18.41
	7,700.00	16.98	100.30	7,686.09	-182.46	-173.23	-174.62	10.00	9.73	-9.29
	7,750.00	21.90	97.69	7,733.23	-185.01	-156.79	-158.21	10.00	9.85	-5.22
	7,800.00	26.86	96.00	7,778.75	-187.44	-136.30	-137.74	10.00	9.90	-3.37
	7,850.00	31.82	94.81	7,822.33	-189.73	-111.92	-113.38	10.00	9.93	-2.39
	7,900.00	36.80	93.91	7,863.62	-191.86	-83.83	-85.30	10.00	9.95	-1.80
	7,905.49	37.34	93.82	7,868.00	-192.08	-80.53	-82.00	10.00	9.96	-1.57
	Lw. Avalon	Carb.								
	7,950.00 8,000.00 8,050.00 8,100.00 8,150.00 8,200.00	41.78 46.76 51.74 56.73 61.72	93.19 92.61 92.11 91.68 91.29 90.94	7,902.30 7,938.10 7,970.73 7,999.94 8,025.51 8,047.25	-193.80 -195.56 -197.12 -198.45 -199.56 -200.44	-52.24 -17.40 20.44 60.98 103.91 148.91	-53.73 -18.90 18.92 59.45 102.37	10.00 10.00 10.00 10.00 10.00	9.96 9.97 9.97 9.98 9.98	-1.41 -1.17 -0.99 -0.87 -0.77
	8,250.00	71.70	90.62	8,065.00	-201.07	195.63	194.08	10.00	9.98	-0.65
	8,300.00	76.69	90.31	8,078.61	-201.46	243.72	242.17	10.00	9.98	-0.62
	8,325.89	79.28	90.15	8,084.00	-201.56	269.05	267.49	10.00	9.98	-0.60
	Lw. Avalon	Sh.								
	8,350.00	81.68	90.01	8,087.99	-201.59	292.82	291.26	10.00	9.98	-0.59
	8,400.00	86.68	89.72	8,093.06	-201.48	342.55	340.99	10.00	9.98	-0.58
	8,428.47	89.52	89.56	8,094.00	-201.30	371.00	369.44	10.00	9.98	-0.57
			Anakin#206H							
	8,500.00	89.52	89.56	8,094.60	-200.75	442.52	440.97	0.00	0.00	0.00
	8,600.00	89.52	89.56	8,095.44	-199.99	542.52	540.97	0.00	0.00	0.00
	8,700.00	89.52	89.56	8,096.28	-199.23	642.51	640.96	0.00	0.00	0.00
	8,800.00	89.52	89.56	8,097.12	-198.46	742.50	740.96	0.00	0.00	0.00
	8,900.00	89.52	89.56	8,097.96	-197.70	842.50	840.95	0.00	0.00	0.00
	9,000.00	89.52	89.56	8,098.80	-196.94	942.49	940.95	0.00	0.00	0.00
	9,100.00	89.52	89.56	8,099.64	-196.17	1,042.48	1,040.95	0.00	0.00	0.00
	9,200.00	89.52	89.56	8,100.48	-195.41	1,142.48	1,140.94	0.00	0.00	0.00
	9,300.00	89.52	89.56	8,101.32	-194.65	1,242.47	1,240.94	0.00	0.00	0.00
	9,400.00	89.52	89.56	8,102.16	-193.89	1,342.47	1,340.94	0.00	0.00	0.00
	9,500.00	89.52	89.56	8,103.00	-193.12	1,442.46	1,440.93	0.00	0.00	0.00
	9,600.00	89.52	89.56	8,103.84	-192.36	1,542.45	1,540.93	0.00	0.00	0.00
	9,700.00	89.52	89.56	8,104.68	-191.60	1,642.45	1,640.93	0.00	0.00	0.00
	9,800.00	89.52	89.56	8,105.52	-190.83	1,742.44	1,740.92	0.00	0.00	0.00
	9,900.00	89.52	89.56	8,106.36	-190.07	1,842.43	1,840.92	0.00	0.00	0.00
	10,000.00	89.52	89.56	8,107.20	-189.31	1,942.43	1,940.92	0.00	0.00	0.00
	10,100.00	89.52	89.56	8,108.04	-188.54	2,042.42	2,040.91	0.00	0.00	0.00
	10,200.00	89.52	89.56	8,108.88	-187.78	2,142.41	2,140.91	0.00	0.00	0.00
	10,300.00	89.52	89.56	8,109.72	-187.02	2,242.41	2,240.91	0.00	0.00	0.00
	10,400.00	89.52	89.56	8,110.56	-186.25	2,342.40	2,340.90	0.00	0.00	0.00
	10,500.00	89.52	89.56	8,111.40	-185.49	2,442.39	2,440.90	0.00	0.00	0.00
	10,600.00	89.52	89.56	8,112.24	-184.73	2,542.39	2,540.89	0.00	0.00	0.00
	10,700.00	89.52	89.56	8,113.08	-183.96	2,642.38	2,640.89	0.00	0.00	0.00
	10,800.00	89.52	89.56	8,113.92	-183.20	2,742.38	2,740.89	0.00	0.00	0.00
	10,900.00	89.52	89.56	8,114.76	-182.44	2,842.37	2,840.88	0.00	0.00	0.00
	11,000.00	89.52	89.56	8,115.60	-181.67	2,942.36	2,940.88	0.00	0.00	0.00
	11,100.00	89.52	89.56	8,116.44	-180.91	3,042.36	3,040.88	0.00	0.00	0.00
	11,200.00	89.52	89.56	8,117.28	-180.15	3,142.35	3,140.87	0.00	0.00	0.00
	11,300.00	89.52	89.56	8,118.12	-179.38	3,242.34	3,240.87	0.00	0.00	0.00
	11,400.00	89.52	89.56	8,118.96	-178.62	3,342.34	3,340.87	0.00	0.00	0.00
	11,500.00	89.52	89.56	8,119.80	-177.86	3,442.33	3,440.86	0.00	0.00	0.00





Project:

Database: EDM 5000.1 Single User Db

Eddy County, NM (NAD-27)

Company: XTO Energy

Site: BEU 30E
Well: Anakin #206H
Wellbore: Wellbore #1
Design: PERMIT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H

RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Grid

Design:	PERMIT								
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)
11,600.00	89.52	89.56	8,120.64	-177.10	3,542.32	3,540.86	0.00	0.00	0.00
11,700.00	89.52	89.56	8,121.48	-176.33	3,642.32	3,640.86	0.00	0.00	0.00
11,800.00	89.52	89.56	8,122.32	-175.57	3,742.31	3,740.85	0.00	0.00	0.00
11,900.00	89.52	89.56	8,123.15	-174.81	3,842.30	3,840.85	0.00	0.00	0.00
12,000.00	89.52	89.56	8,123.99	-174.04	3,942.30	3,940.85	0.00	0.00	0.00
12,100.00	89.52	89.56	8,124.83	-173.28	4,042.29	4,040.84	0.00	0.00	0.00
12,200.00	89.52	89.56	8,125.67	-172.52	4,142.29	4,140.84	0.00	0.00	0.00
12,300.00	89.52	89.56	8,126.51	-171.75	4,242.28	4,240.83	0.00	0.00	0.00
12,400.00	89.52	89.56	8,127.35	-170.99	4,342.27	4,340.83	0.00	0.00	0.00
12,500.00	89.52	89.56	8,128.19	-170.23	4,442.27	4,440.83	0.00	0.00	0.00
12,600.00	89.52	89.56	8,129.03	-169.46	4,542.26	4,540.82	0.00	0.00	0.00
12,700.00	89.52	89.56	8,129.87	-168.70	4,642.25	4,640.82	0.00	0.00	0.00
12,800.00 12,900.00 13,000.00 13,100.00 13,200.00	89.52 89.52 89.52 89.52 89.52	89.56 89.56 89.56 89.56	8,130.71 8,131.55 8,132.39 8,133.23 8,134.07	-167.94 -167.17 -166.41 -165.65 -164.88	4,742.25 4,842.24 4,942.23 5,042.23 5,142.22	4,740.82 4,840.81 4,940.81 5,040.81 5,140.80	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
13,300.00	89.52	89.56	8,134.91	-164.12	5,242.21	5,240.80	0.00	0.00	0.00
13,400.00	89.52	89.56	8,135.75	-163.36	5,342.21	5,340.80	0.00	0.00	0.00
13,500.00	89.52	89.56	8,136.59	-162.59	5,442.20	5,440.79	0.00	0.00	0.00
13,600.00	89.52	89.56	8,137.43	-161.83	5,542.20	5,540.79	0.00	0.00	0.00
13,700.00	89.52	89.56	8,138.27	-161.07	5,642.19	5,640.79	0.00	0.00	0.00
13,800.00	89.52	89.56	8,139.11	-160.31	5,742.18	5,740.78	0.00	0.00	0.00
13,900.00	89.52	89.56	8,139.95	-159.54	5,842.18	5,840.78	0.00	0.00	0.00
14,000.00	89.52	89.56	8,140.79	-158.78	5,942.17	5,940.77	0.00	0.00	0.00
14,100.00	89.52	89.56	8,141.63	-158.02	6,042.16	6,040.77	0.00	0.00	0.00
14,200.00	89.52	89.56	8,142.47	-157.25	6,142.16	6,140.77	0.00	0.00	0.00
14,300.00	89.52	89.56	8,143.31	-156.49	6,242.15	6,240.76	0.00	0.00	0.00
14,400.00	89.52	89.56	8,144.15	-155.73	6,342.14	6,340.76	0.00	0.00	0.00
14,500.00	89.52	89.56	8,144.99	-154.96	6,442.14	6,440.76	0.00	0.00	0.00
14,600.00	89.52	89.56	8,145.83	-154.20	6,542.13	6,540.75	0.00	0.00	0.00
14,700.00	89.52	89.56	8,146.67	-153.44	6,642.12	6,640.75	0.00	0.00	0.00
14,800.00	89.52	89.56	8,147.51	-152.67	6,742.12	6,740.75	0.00	0.00	0.00
14,900.00	89.52	89.56	8,148.35	-151.91	6,842.11	6,840.74	0.00	0.00	0.00
15,000.00	89.52	89.56	8,149.19	-151.15	6,942.11	6,940.74	0.00	0.00	0.00
15,100.00	89.52	89.56	8,150.03	-150.38	7,042.10	7,040.74	0.00	0.00	0.00
15,200.00	89.52	89.56	8,150.87	-149.62	7,142.09	7,140.73	0.00	0.00	0.00
15,300.00 15,400.00 15,500.00 15,600.00 15,700.00	89.52 89.52 89.52 89.52 89.52	89.56 89.56 89.56 89.56	8,151.71 8,152.55 8,153.39 8,154.23 8,155.07	-148.86 -148.09 -147.33 -146.57 -145.80	7,242.09 7,342.08 7,442.07 7,542.07 7,642.06	7,240.73 7,340.73 7,440.72 7,540.72 7,640.71	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
15,800.00 15,900.00 16,000.00 16,100.00 16,200.00	89.52 89.52 89.52 89.52 89.52	89.56 89.56 89.56 89.56	8,155.91 8,156.75 8,157.59 8,158.43 8,159.27	-145.04 -144.28 -143.51 -142.75 -141.99	7,742.05 7,842.05 7,942.04 8,042.03 8,142.03	7,740.71 7,840.71 7,940.70 8,040.70 8,140.70	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
16,300.00 16,400.00 16,500.00 16,600.00 16,700.00	89.52 89.52 89.52 89.52 89.52	89.56 89.56 89.56 89.56	8,160.11 8,160.95 8,161.79 8,162.63 8,163.47	-141.23 -140.46 -139.70 -138.94 -138.17	8,242.02 8,342.01 8,442.01 8,542.00 8,642.00	8,240.69 8,340.69 8,440.69 8,540.68 8,640.68	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
16,800.00	89.52	89.56	8,164.31	-137.41	8,741.99	8,740.68	0.00	0.00	0.00
16,900.00	89.52	89.56	8,165.15	-136.65	8,841.98	8,840.67	0.00	0.00	0.00



Planning Report

Database: EDM 5000.1 Single User Db

Company: XTO Energy
Project: Eddy County, NM (NAD-27)

 Site:
 BEU 30E

 Well:
 Anakin #206H

 Wellbore:
 Wellbore #1

 Design:
 PERMIT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H

RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Grid

ned 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)
17,000.00	89.52	89.56	8,165.99	-135.88	8,941.98	8,940.67	0.00	0.00	0.00
17,100.00	89.52	89.56	8,166.83	-135.12	9,041.97	9,040.67	0.00	0.00	0.00
17,200.00	89.52	89.56	8,167.67	-134.36	9,141.96	9,140.66	0.00	0.00	0.00
17,300.00	89.52	89.56	8,168.51	-133.59	9,241.96	9,240.66	0.00	0.00	0.00
17,400.00	89.52	89.56	8,169.35	-132.83	9,341.95	9,340.66	0.00	0.00	0.00
17,500.00	89.52	89.56	8,170.18	-132.07	9,441.94	9,440.65	0.00	0.00	0.00
17,600.00	89.52	89.56	8,171.02	-131.30	9,541.94	9,540.65	0.00	0.00	0.00
17,700.00	89.52	89.56	8,171.86	-130.54	9,641.93	9,640.64	0.00	0.00	0.00
17,800.00	89.52	89.56	8,172.70	-129.78	9,741.92	9,740.64	0.00	0.00	0.00
17,904.28	89.52	89.56	8,173.58	-128.98	9,846.20	9,844.92	0.00	0.00	0.00
BE-30E An	akin#206H: L	TP							
17,954.29	89.52	89.56	8,174.00	-128.60	9,896.20	9,894.92	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target Di - Shape	p Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BE-30E Anakin#206F - plan hits target cent - Point	0.00 ter	0.00	0.00	0.00	0.00	570,808.10	650,150.90	32.568313	-103.845940
BE-30E Anakin#206F - plan hits target cent - Point	0.00 ter	0.00	8,094.00	-201.30	371.00	570,606.80	650,521.90	32.567755	-103.844739
BE-30E Anakin#206F - plan misses target of a Point	0.00 center by		-,	-128.90 sft MD (8173	9,846.20 .58 TVD, -12	570,679.20 28.98 N, 9846.20	659,997.10 E)	32.567831	-103.813982
BE-30E Anakin#206F - plan hits target cent - Point	0.00 ter	0.00	8,174.00	-128.60	9,896.20	570,679.50	660,047.10	32.567831	-103.813820



Design:

Planning Report

Database: EDM 5000.1 Single User Db

PERMIT

Company: XTO Energy

Project: Eddy County, NM (NAD-27)
Site: BEU 30E
Well: Anakin #206H
Wellbore: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Anakin #206H RKB = 25' @ 3476.00usft RKB = 25' @ 3476.00usft

Grid

mations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	686.00	686.00	Rustler			
	950.00	950.00	Salado/Top of Salt			
	1,969.00	1,969.00	Base of Salt			
	2,736.00	2,736.00	Capitan Reef			
	4,017.00	4,017.00	Delaware Sand			
	4,802.96	4,802.00	Manzanita Marker			
	5,789.72	5,785.00	Brushy Canyon Ss.			
	7,148.89	7,139.00	Lower Brushy Canyon Ss.			
	7,381.78	7,371.00	Bone Spring Lm.			
	7,544.32	7,533.00	Avalon Ss.			
	7,561.36	7,550.00	Upper Avalon Carb.			
	7,611.67	7,600.00	Upper Avalon Sh.			
	7,905.49	7,868.00	Lw. Avalon Carb.			
	8,325.89	8,084.00	Lw. Avalon Sh.			
	8,428.47	8,094.00	Landing Point			
	17,954.29	8,174.00	TD			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Original to Appropriate District Office

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

GAS CAPTURE PLAN

Date: 02/28/2019	
□ Original	Operator & OGRID No.: XTO Permian Operating, LLC [260737]
☐ Amended - Reason for Amendment:	

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Big Eddy Unit 30E Yoda 102H		L-14-20S-31E	1340'FSL & 620'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Anakin 102H		M-14-20S-31E	1140'FSL & 680'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Jedi 102H		M-14-20S-31E	1065'FSL & 465'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Obi- Wan 102H		L-14-20S-31E	1465'FSL & 405'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Qui- Gon 102H		M-14-20S-31E	1065'FSL & 435'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Rey 102H		M-14-20S-31E	1065'FSL & 405'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Rey 103H		M-14-20S-31E	1265'FSL & 405'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Qui- Gon 103H		M-14-20S-31E	1140'FSL & 405'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Jedi 103H		M-14-20S-31E	740'FSL & 405'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30E Anakin 206H		M-14-20S-31E	865'FSL & 620'FWL	2500 MCF/D	Sold	CTB Connected
Big Eddy Unit 30W Yoda 109H		P-15-20S-31E	740'FSL & 180'FEL	2500 MCF/D	Sold	CTB Connected

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to DCP Midstream and will be connected to DCP Midstream and will be connected to DCP Midstream and will require 0' of pipeline to connect the facility to low/high pressure gathering system. XTO Permian Operating, LLC. provides (periodically) to DCP Midstream a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, XTO Permian Operating, LLC. and DCP Midstream have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Midstream Processing Plant located in Sec._19_, Twn._19S_, Rng__32E_, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal

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sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on <u>DCP Midstream</u> system at that time. Based on current information, it is <u>XTO Permian Operating</u>, <u>LLC</u>'s belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
 - o Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
 - o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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GATES E & S NORTH AMERICA, INC

CORPUS CHRISTI, TEXAS 78405

361-887-0812 :XA7 PHONE: 361-887-9807

MEB:

Test Date:

501105 PENDING DNITUBIRTZIO MITZUA

Invoice Mo. : Customer Ref.: Customer:

: aimengis

: plo0

Quality:

Product Description:

Vorking Pressure:

Gates Part No. :

: I grilling 1 :

1Sd 000'S

1009-1221

4 1/16 ID.5K FLG

FEN7/8/9

YTIJAUD

Hose Senal No.:

FD3.042.0R41/16.5KFLGE/E LE

Created By:

Test Pressure:

End Fitting 2:

Assembly Code:

: Signature :

Technical Supervisor:

: ol60

minimum of 2.5 times the working pressure per Table 9. to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the

134 44TH STREET

DU-TEX

GRADE D PRESSURE TEST CERTIFICATE

NORMA D-000814-1

12500 PSI

133090011213D-060814-1

4 1/10 in.5K FLG

Form PTC - 01 Rev.0 2

P/8/5014

PRODUCTION

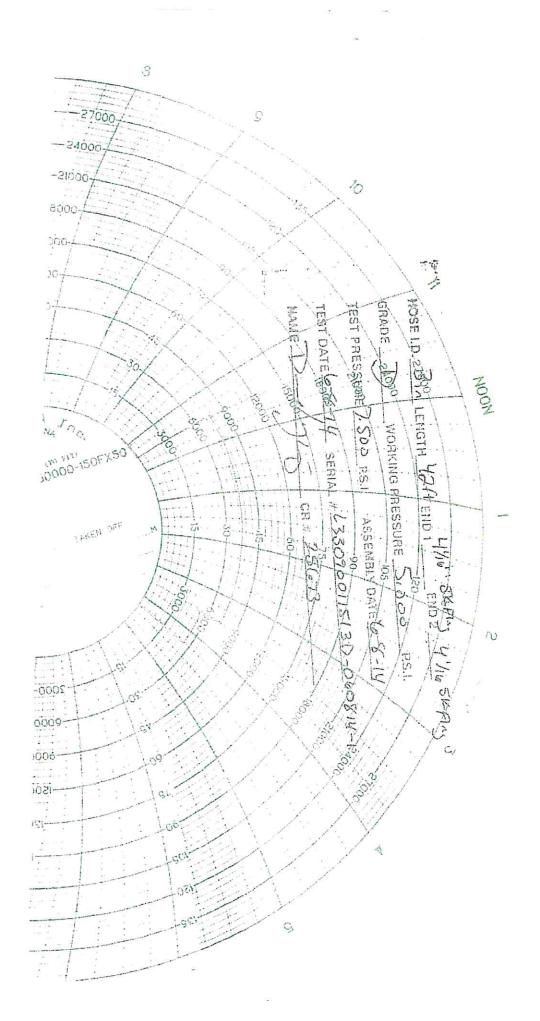
10Z/8/9

www.gates.com

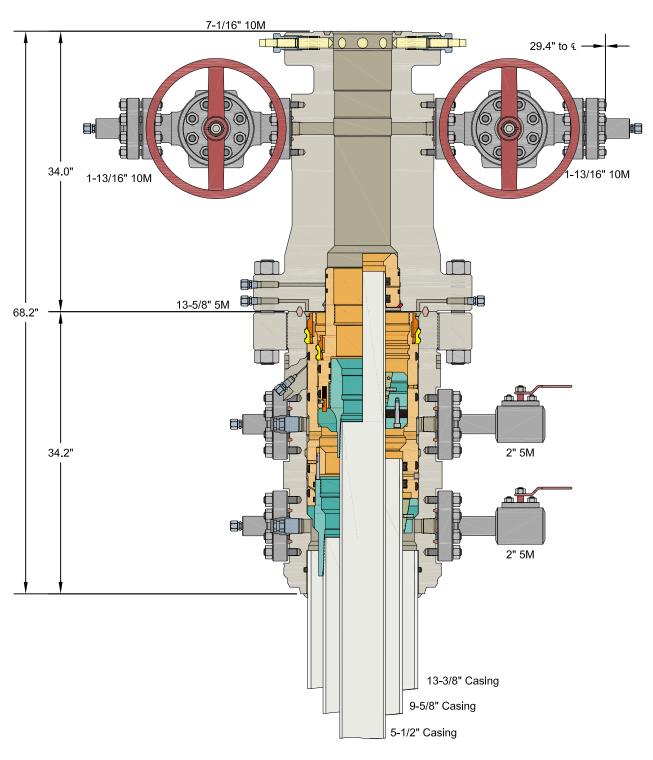
EMAIL: crpe&s@gates.com

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ALL DIMENSIONS ARE APPROXIMATE

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XTO ENERGY, INC. 16FEB17 **VJK** DRAWN **APPRV** 16FEB17 ΚN

13-3/8" x 9-5/8" x 5-1/2" 10M RSH-2 Wellhead Assembly, With T-EBS-F Tubing Head

FOR REFERENCE ONLY 10012842 DRAWING NO.

Well Name: BIG EDDY UNIT 30E ANAKIN Well Number: 206H

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? YES

Description of cuttings location Cuttings. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site. Drilling Fluids. These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility. Produced Fluids. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

BEU_30E_Anakin_206H_Well_20190319063618.pdf

Comments: Drill Island. The Big Eddy Unit DI 30 drill island is previously approved as a 900'x900' space for use of oil and gas operations inside of the Secretary's Order of Potash Area (SOPA). Approval was made under EA: DOI-BLM-NM-P020-2018-0163-EA. The well pad associated with the drill island is 1500'x1500', overlapping the approved 900'x900' previously approved, and will be used for well locations for wells productive of oil and gas with no surface hole planned outside of the boundary of the approved drill island. BEU DI 30 Centerpoint: 250'FWL & 1112'FSL, Section 14-T20S-R31E, NMPM, Eddy County, NM The total size of the drill island as approved under EA DOI-BLM-NM-P020-2018-0163-EA will be 900'x900', or 18.59acres. The entire well pad, including drill island space, will be: 1500'x1500, or 51.65acres. A current detailed plat of the drill island is attached depicting shallow and deep designation areas, current well pads, pipelines, and existing well pads. Shallow and deep designation areas were determined post-onsite based on ½ mile or ½ mile from the edge of the drill island to existing mine workings as depicted in BLM shape files. • Well Sites. One (1) 1500'x1500' well pad has been staked on the drill island, known as Big Eddy Unit DI30, in anticipation of drilling 160 wells. Surveys of the drill island location have been completed by FSC, Inc., a registered professional land surveyor and are attached to this application. This application applies to allow the well pads to fall off of the edge of the approved 900'x900' drill island. The wellbore paths will not leave the 900'x900' previously approved drill island until the salt zone is cased and protected pursuant to NMOCD Order R-111-P. Approval of the drill island does not constitute approval to drill. An APD must be submitted and approved for each well

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 24427

COMMENTS

Operator:		OGRID:	Action Number:	Action Type:
XTO PERMIAN OPERATING LLC.	6401 HOLIDAY HILL ROAD	373075	24427	FORM 3160-3
BUILDING 5 MIDLAND, TX79707				

Created By	Comment	Comment Date
kpickford	KP GEO Review 4/19/2021	04/19/2021

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 24427

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
	IIAN OPERATING LLC.	6401 HOLIDAY HILL ROAD	373075	24427	FORM 3160-3
BUILDING 5	MIDLAND, TX79707				

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