

**AMENDMENT TO OIL AND GAS LEASE
(To Extend Primary Term)**

State: North Dakota

County: McKenzie

Lessor: Allen Johnson; Trustee of the Allen Johnson Revocable Trust UDT 4/24/2002

Lessee: Encore Operating, LP

Effective Date: October 27, 2004

Lessee, named above, is the present owner of the Oil and Gas Lease (the "Lease"), dated October 27, 2004 executed by Allen Johnson, Trustee of the Allen Johnson Revocable Trust UDT 4/24/2002, P.O. Box 1192, Watford City, ND 58854 as Lessor, in favor of Powers Energy Corporation, as Lessee, covering 80.00 acres of land (the "Lands"), more or less, in the county and state named above. The Lease is recorded in Document #353506 of the records of McKenzie County, North Dakota, and the lands covered therein are described as follows, to wit:

Township 150 North, Range 98 West
Section 1: S/2SW/4

Containing 80.00 acres, more or less.

It is the desire of the Lessor and Lessee to extend the primary term provided for in the Lease insofar as said lease covers the lands described below. For adequate consideration, Lessor and Lessee agree that the Lease is hereby amended so that the primary term of five (5) years provided in the Lease shall be eight (8) years from the original date of the Lease, having the effect of extending the primary term of the Lease for an additional three (3) years. It is the intent of Lessor and Lessee that this Amendment shall extend and amend this lease and provide for a primary term expiring October 27, 2012 insofar as said lease covers the lands described below. Lessors do hereby grant, demise, lease and let exclusively to Lessee, its successors and assigns, the Lands for the purposes and on the terms and conditions provided in the Lease, as amended and extended by this Amendment To Oil and Gas Lease EXCEPT the following additional provisions shall apply to the original oil and gas lease:

The lands to be extended and subject to this Amendment shall be: (same)

Township 150 North, Range 98 West
Section 1: S/2SW/4

Containing 80.00 acres, more or less.

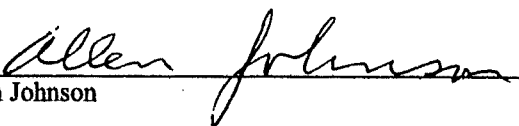
The royalty provision shall be Nineteen percent (19%) insofar as to the lands described above and containing 80.00 acres.

Lessor warrants to be the owner of the Minerals in and under the Lands with full right and authority to execute this Amendment To Oil and Gas Lease (To Extend the Primary Term) of this Lease.

This Amendment To Oil and Gas Lease (To Extend Primary Term) shall extend to and be binding upon both Lessor and Lessee, and their respective heirs, executors, administrators, successors and assigns. Except as stated in this Amendment To Oil and Gas Lease, this Lease shall continue in full force and effect as to all of its other terms and provisions. The consideration paid to Lessor for this Amendment To Oil and Gas Lease is the full consideration for the extension of the primary term of this Lease. The Lease is deemed a "Paid Up" Lease for its entire extended primary term.

This Amendment To Oil and Gas Lease is signed by Lessor as of the date of acknowledgment of his (her), (their) respective signature(s) below, but is effective for all purposes as of the Effective Date stated above.

Lessor:


Allen Johnson

Acknowledgment-Individual

State of North Dakota }

382841

Order
County
by ND 58854
2



County Recorder
McKenzie County
Watford City ND 58854

382841

Page 2 of 2

COUNTY RECORDER, MCKENZIE COUNTY, ND

I certify that this instrument was filed and recorded, 382841

Ann M Johnsrud, County Recorder Fee \$13.00

By Ann M. Johnsrud Oct 08, 2008 03:28 PM

OIL AND GAS LEASE

AGREEMENT, Made and entered into the 27th day of October, 20 04, by and between

Allen Johnson, as Trustee of the Allen Johnson Revocable Trust UDT 4/24/2002

whose post office address is P.O. Box 1192, Watford City, ND 58854, hereinafter called Lessor (whether one or more) and

POWERS ENERGY CORPORATION

P.O. Box 1221
whose post office address is Williston, ND 58802-1221, hereinafter called Lessee:

WITNESSETH, That the Lessor, for and in consideration of Ten and More (\$10.00+) DOLLARS cash in hand paid, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained, has granted, demised, leased and let, and by these presents does grant, demise, lease and let exclusively unto the said Lessee, the land hereinafter described, with the exclusive right for the purpose of mining, exploring by geophysical and other methods, and operating for and producing therefrom oil and all gas of whatsoever nature or kind, with rights of way and easements for laying pipe lines, and erection of structures

thereon to produce, save and take care of said products, all that certain tract of land situated in the County of McKenzie

State of North Dakota, described as follows, to-wit:

Township 150 North, Range 98 West
Section 1 : S/2SW/4

*** SUBJECT TO EXHIBIT "A" ATTACHED HERETO AND BY REFERENCE MADE A PART HEREOF ***

and containing 80.00 acres, more or less.

1. It is agreed that this lease shall remain in force for a term of five (5) years from this date and as long thereafter as oil or gas of whatsoever nature or kind is produced from said leased premises or on acreage pooled therewith, or drilling operations are continued as hereinafter provided. If, at the expiration of the primary term of this lease, oil or gas is not being produced on the leased premises or on acreage pooled therewith but Lessee is then engaged in drilling or re-working operations thereon, then this lease shall continue in force so long as operations are being continuously prosecuted on the leased premises or on acreage pooled therewith; and operations shall be considered to be continuously prosecuted if not more than ninety (90) days shall elapse between the completion or abandonment of one well and the beginning of operations for the drilling of a subsequent well. If after discovery of oil or gas on said land or on acreage pooled therewith, the production thereof should cease from any cause after the primary term, this lease shall not terminate if Lessee commences additional drilling or re-working operations within ninety (90) days from date of cessation of production or from date of completion of dry hole. Drilling operations shall be deemed to be commenced when the first material is placed on the leased premises or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations. If oil or gas shall be discovered and produced as a result of such operations at or after the expiration of the primary term of this lease, this lease shall continue in force so long as oil or gas is produced from the lease premises or on acreage pooled therewith.

2. This is a PAID-UP LEASE. In consideration of the down cash payment, Lessor agrees that Lessee shall not be obligated, except as otherwise provided herein, to commence or continue any operations during the primary term. Lessee may at any time or times during or after the primary term surrender this lease as to all or any portion of said land and as to any strata or stratum by delivering to Lessor or by filing for record a release or releases, and be relieved of all obligation thereafter accruing as to the acreage surrendered.

3. In consideration of the premises the said Lessee covenants and agrees:

1st. To deliver to the credit of Lessor, free of cost in the pipe to which Lessee may connect his wells, the equal one-eighth (1/8th) part of all oil produced and saved from the leased premises, or at the Lessee's option, may pay to the Lessor for such one-eighth (1/8th) royalty, one-eighth (1/8th) of the then market value at the mouth of the well of all oil produced and saved hereunder by the Lessee from the leased premises.

2nd. To pay Lessor for gas of whatsoever nature or kind (with all of its constituents) produced and sold or used off the leased premises, or used in the manufacture of products therefrom, one-eighth (1/8) of the gross proceeds received for the gas sold, used off the premises, or in the manufacture of products therefrom, but in no event more than one-eighth (1/8) of the actual amount received by the Lessee, said payments to be made monthly. During any period (whether before or after expiration of the primary term hereof) when gas is not being sold or used and the well or wells are shut in and there is no current production of oil or operations on said leased premises sufficient to keep this lease in force, Lessee shall pay or tender a royalty of One Dollar (\$1.00) per year per net royalty acre retained hereunder, such payment or tender to be made, on or before the anniversary date of this lease next ensuing after the expiration of ninety (90) days from the date such well is shut in and thereafter on the anniversary date of this lease during the period such well is shut in, to the royalty owners or to the royalty owner's credit in the rental depository bank hereinafter designated. When such a payment or tender is made it will be considered that gas is being produced within the meaning of the entire lease.

3rd. To pay Lessor for gas produced from any oil well and used off the premises, or for the manufacture of casing-head gasoline or dry commercial gas, one-eighth (1/8) of the gross proceeds, at the mouth of the well, received by Lessee for the gas during the time such gas shall be used, said payments to be made monthly.

4. If said Lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties (including any shut-in gas royalty) herein provided for shall be paid the said Lessor only in the proportion which Lessor's interest bears to the whole and undivided fee.

5. Lessee shall have the right to use, free of cost, gas, oil and water produced on said land for Lessee's operation thereon, except water from the wells of Lessor.

6. When requested by Lessor, Lessee shall bury Lessee's pipe lines below plow depth.

7. No well shall be drilled nearer than 200 feet to the house or barn now on said premises without written consent of Lessor.

8. Lessee shall pay for damages caused by Lessee's operations to growing crops on said land.

9. Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

10. The rights of Lessor and Lessee hereunder may be assigned in whole or part. No change in ownership of Lessor's interest (by assignment or otherwise) shall be binding on Lessee until Lessee has been furnished with notice, consisting of certified copies of all recorded instruments or documents and other information necessary to establish a complete chain of record title from Lessor, and then only with respect to payments thereafter made. No other kind of notice, whether actual or constructive, shall be binding on Lessee. No present or future division of Lessor's ownership as to different portions or parcels of said land shall operate to enlarge the obligations or diminish the rights of Lessee, and all Lessee's operations may be conducted without regard to any such division. If all or any part of this lease is assigned, no leasehold owner shall be liable for any act or omission of any other leasehold owner.

11. Lessee is hereby granted the right at any time and from time to time to unitize, pool or combine the leased premises or any portion or portions thereof, as to all strata or any stratum or strata, with any other lands as to all strata or any stratum or strata, for the production primarily of oil or primarily of gas with or without distillate. However, no unit for the production primarily of oil shall embrace more than 320 acres, or for the production primarily of gas with or without distillate more than 640 acres; provided that if any governmental regulation shall prescribe a spacing pattern for the development of the field or allocate a producing allowable based on acreage per well, then any such unit may embrace as much additional acreage as may be so prescribed or as may be used in such allocation of allowable. Operations upon and production from the unit shall be treated as if such operations were upon or such production were from the leased premises whether or not the well or wells are located thereon. The entire acreage within a unit shall be treated for all purposes as if it were covered by and included in this lease except that the royalty on production from the unit shall be as below provided, and except that in calculating the amount of any rentals or shut in gas royalties, only that part of the acreage originally leased and then actually embraced by this lease shall be counted. In respect to production from the unit, Lessee shall pay Lessor, in lieu of other royalties thereon, only such proportion of the royalties stipulated herein as the amount of his acreage placed in the unit, or his royalty interest therein on an acreage basis bears to the total acreage in the unit.

12. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages, for failure to comply therewith, if compliance is prevented by, or if such failure is the result of, any such Law, Order, Rule or Regulation.

13. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right at any time to redeem for Lessor, by payment, any mortgages, taxes or other liens on the above described lands, in the event of default of payment by Lessor, and be subrogated to the rights of the holder thereof, and the undersigned

ACKNOWLEDGEMENT (INDIVIDUAL)

STATE OF NORTH DAKOTA }
COUNTY OF McKenzie } SS

On this X 27th day of December, 20 04, before me personally appeared _____

Allen Johnson, as Trustee of the Allen Johnson Revocable Trust UDT 4/24/2002

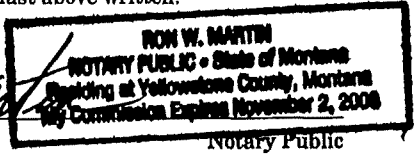
_____, known to me to be the person(s) described in and who executed the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

(S E A L)

My Commission Expires: X 11-2-08

X [Signature]



Notary Public

ACKNOWLEDGEMENT (INDIVIDUAL)

STATE OF _____ }
COUNTY OF _____ } SS

On this _____ day of _____, 20 _____, before me personally appeared _____

_____, known to me to be the person(s) described in and who executed the within instrument, and acknowledged to me that _____ executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

(S E A L)

My Commission Expires: _____ Notary Public

ACKNOWLEDGEMENT (CORPORATE)

STATE OF _____ }
COUNTY OF _____ } SS

On this _____ day of _____, 20 _____, before me personally appeared _____

known to me to be the _____ of _____

and acknowledged to me that _____ executed the same as _____ free and voluntary act and deed and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

(S E A L)

My Commission Expires: _____ Notary Public

(Do Not Write Below This Line - For Official Use Only)

RECORDING INFORMATION

Returned to:
POWERS ENERGY CORP
PO BOX 1221
WILLISTON ND 58802-1221

353506
County Recorder
McKenzie County
Watford City ND 58854

EXHIBIT "A"

ADDENDUM TO OIL AND GAS LEASE

Attached hereto and by reference made a part hereof that certain Oil and Gas Lease dated **October 27, 2004**, by and between **Allen Johnson, as Trustee of the Allen Johnson Revocable Trust UDT 4/24/2002**, as Lessor, and **POWERS ENERGY CORPORATION**, as Lessee, covering lands in **McKenzie County, North Dakota**, to-wit:

Township 150 North, Range 98 West
Section 1 : S/2SW/4

containing 80.00 acres, more or less

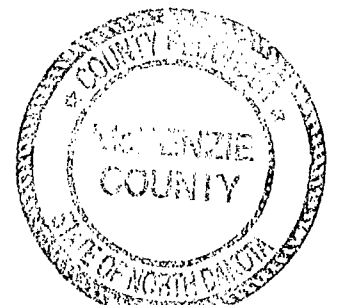
- (1) Notwithstanding anything to the contrary contained in the lease, at the end of the primary term of the lease, a well capable of production shall hold beyond the primary term only those lands covered by the lease which are located within the spacing unit as set forth from time to time by the State of North Dakota; provided, however, Lessee may maintain the entire lease in full force and effect beyond the primary term, so long as the Lessee conducts continuous drilling operations on the lands covered thereby or on lands pooled therewith, it being understood that Lessee shall have satisfied the continuous operations requirement by allowing not more than 180 days to elapse between the completion of drilling operations on any given well and the commencement of a succeeding well.
- (2) No well may be shut-in and perpetuate this lease for more than three (3) years beyond primary term; actual production and payment on production is required to perpetuate this lease beyond such period.
- (3) Notwithstanding anything to the contrary contained herein, any reference to a Landowner's royalty of one-eighth ($1/8^{\text{th}}$) is hereby amended to a Landowner's royalty of one-sixth ($1/6^{\text{th}}$).

SIGNED FOR IDENTIFICATION PURPOSES ONLY:

X Allen D. Johnson
Allen Johnson, as Trustee

COUNTY RECORDER, MCKENZIE COUNTY, ND
I certify that this instrument was filed and recorded,
Ann M. Johnsrud, County Recorder
By Ann M. Johnsrud

353506
Fee **\$16.00**
Jan 04, 2005 04:28 PM





An ExxonMobil Subsidiary

LOC 116, 22777 Springwoods Village Parkway
Spring, TX 77389-1425

March 15, 2019

Transfer Number: 103588

Dear Interest Owners:

We have received the documents provided to modify ownership in the wells on the attached page. In accordance with these documents, XTO Energy Inc. will update the accounts effective next settlement date unless you notify XTO, in writing, this transfer in ownership is incorrect. This is not a Division/Transfer Order, merely notification the requested transfer has been completed. On the attached exhibit under each asset number and name, the ownership information of the transferred division order(s) is subset by lifecycles containing stage/product/type/type description (as necessary).

If your address has changed, please ensure you notify XTO Energy Inc. in writing. Please include the previous address and new address, as well as, the last four digits of either the social security or TIN. Additionally, signature(s) of the individual or joint owner(s) are required prior to any changes being made to the Business Partner record.

Should you have questions or concerns regarding your interest, please contact the Division Order Department at (866) 886-2613. For general questions or further education regarding ownership of oil & gas royalties, you may contact the National Association of Royalty Owners at (800) 558-0557 or on the web at www.naro-us.org.

Sincerely,

Division Orders
XTO ENERGY INC.

enclosures

From Owner

30089304 - 0

ALLEN JOHNSON REV TR

Transfer To Owners

Asset Number: 1241911001 Asset Name: SATTER 31-01SWH County: MC KENZIE State: ND

STD / Gas / Entitlement /

Owner Number	Owner Name	GW	NRI	Suspense Reason	Allocation Share	Interest Type
30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI

Asset Number: 1241911001 Asset Name: SATTER 31-01SWH County: MC KENZIE State: ND

STD / Oil / Entitlement /

Owner Number	Owner Name	GW	NRI	Suspense Reason	Allocation Share	Interest Type
30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI

Asset Number: 1244391001 Asset Name: SATTER 31X-01H County: MC KENZIE State: ND

APO / Gas / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244391001 Asset Name: SATTER 31X-01H County: MC KENZIE State: ND

APO / Oil / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244391001 Asset Name: SATTER 31X-01H County: MC KENZIE State: ND

BPO / Gas / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244391001 Asset Name: SATTER 31X-01H County: MC KENZIE State: ND

BPO / Oil / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244401001 Asset Name: SATTER 31X-01D County: MC KENZIE State: ND

STD / Gas / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244401001 Asset Name: SATTER 31X-01D County: MC KENZIE State: ND

STD / Oil / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244411001 Asset Name: SATTER 31X-01G2 County: MC KENZIE State: ND

APO / Gas / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244411001 Asset Name: SATTER 31X-01G2 County: MC KENZIE State: ND

APO / Oil / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244411001 Asset Name: SATTER 31X-01G2 County: MC KENZIE State: ND

BPO / Gas / Entitlement /

30401905 - 0	ALLEN JOHN REV TR AMENDED AND	0.000000000	0.002969490	ZE	1.000000000	RI
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Asset Number: 1244411001 Asset Name: SATTER 31X-01G2 County: MC KENZIE State: ND

BPO / Oil / Entitlement /



JEFFREY B. JENNINGS
HARRIS, BROWN & KLEMER, INC.
CONSULTING GEOLOGISTS
2936 HOGAN DRIVE • BISMARCK, ND 58503

Off: 701-223-3588
E-mail: jjennings.hrr@midconetwork.com

Cell: 701-400-8973

JEFFREY B. JENNINGS

August 22, 2020

Katie M. Barber, Attorney
McKennett Forsberg & Voll, P.C.
P.O. Box 1469
Watford City, ND 58854

RE: Allen Johnson Revocable Trust Mineral Appraisal - Revised

Dear Ms. Barber,

You have requested a revision to an August 28, 2018 date of evaluation appraisal completed on April 12, 2019. The requested revision appraises just the production in the following mineral description located in McKenzie County, North Dakota:

T150N, R98W
Section 1: S2SW

On the date of evaluation there were eight (8) producing wells and one (1) permitted location.

My qualifications as an appraiser of mineral properties include the following: I hold a Bachelor's (1980) in Geological Engineering and Masters (1992) in Mineral Economics from the Colorado School of Mines. I am a member of the American Association of Petroleum Geologists, Rocky Mountain Association of Geologists, Landman's Association of North Dakota, the North Dakota Petroleum Council and the North Dakota Geological Society. I have conducted numerous appraisals for private industry and individuals since 1981 and have provided expert testimony on economic evaluations to governmental boards and commissions. It should be pointed out that, due to the subjective nature of this evaluation, other appraisers with a different personal bias, using the same, or possibly different information, may come up with a different conclusion regarding the value of these minerals. I am not responsible for errors or misinterpretations for any data provided by the client. This evaluation is also based on static oil and gas prices as future pricing is subject to unknown and unpredictable market forces which cannot be determined with any level of certainty. The value of this mineral estate is limited to the value of the oil and gas rights, as I am not aware of any other commercial deposits of coal, potash, iron, uranium, etc. which may, or may not, be present under the evaluated properties.

The eight (8) producing wells were evaluated using decline curve analysis on the reported production. The permitted location was appraised with a proxy well, the Satter 31X-1D, that was then risk adjusted at 50% to compensate for uncertainty. A \$57 per Bbl oil price was used which represents the 26-week running average posted price for Williston Basin Sweet as calculated for the week of August 28, 2018. A \$3 per Mcf gas price was applied which also represents the average price for the same period. Appropriate production and extraction taxes were applied. Values derived from decline curve analysis were discounted at 10%. Using the above criteria, the appraised net present risk adjusted value on August 28, 2018 was calculated at \$126,249.

Each of the tracts are further summarized on the attached recapitulation sheet. Also included with the report are the land plat, scout tickets, decline curves and economic runs.

This revised report was completed on August 22, 2020 for an August 28, 2018 date of evaluation mineral appraisal.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey B. Jennings", with a long horizontal flourish extending to the right.

Jeffrey B. Jennings
Harris, Brown & Klemer, Inc.

Attachments

Recapitulation Sheet

Status/Well Name	NRI	Spacing Sections	Spacing Ac	8/8ths Value of Prod 10% Discount	Net Value of Prod 10% Discount	Risk Factor	Total Risk Adjusted Value 10% Discount	Comments
(B) Producing - Comp 11/16/2011 XTO Energy, Inc. Satter 31-1SWH WFN 20683	0.0029695	Sec: 1 & 12	1278.68	\$3,685,913	\$10,945	1.00	\$10,945	Evaluated using decline curve analysis
(B) Producing - Comp 8/13/2015 XTO Energy, Inc. Satter 31X-1H WFN 29576				\$4,336,739	\$12,878	1.00	\$12,878	Evaluated using decline curve analysis
(B) Producing - Comp 8/29/2015 XTO Energy, Inc. Satter 31X-1D WFN 29577				\$4,610,737	\$13,692	1.00	\$13,692	Evaluated using decline curve analysis
(B) Producing - Comp 8/30/2015 XTO Energy, Inc. Satter 31X-1G2 WFN 29578				\$4,357,526	\$12,940	1.00	\$12,940	Evaluated using decline curve analysis
(B) Producing - Comp 8/6/2015 XTO Energy, Inc. Satter 21X-1C WFN 29582				\$5,800,872	\$17,226	1.00	\$17,226	Evaluated using decline curve analysis
(B) Producing - Comp 8/30/2015 XTO Energy, Inc. Satter 31X-1CXD WFN 29579				\$4,269,449	\$12,678	1.00	\$12,678	Evaluated using decline curve analysis
(B) Producing - Comp 8/1/2015 XTO Energy, Inc. Satter 21X-1F WFN 29583				\$5,489,886	\$16,302	1.00	\$16,302	Evaluated using decline curve analysis
(B) Producing - Comp 7/22/2015 XTO Energy, Inc. Satter 21X-1B WFN 29584				\$7,439,404	\$22,091	1.00	\$22,091	Evaluated using decline curve analysis
(B) Location - Permitted 6/2018 XTO Energy, Inc. Johnson Trust Fed 21X-6AXD WFN 35044	0.0014899	T150N, R98W Sec: 1 & 12 T150N, R97W Sec: 6 & 7	2548.52	\$10,063,726	\$14,994	0.50	\$7,497	Evaluated with Proxy Well XTO Energy, Inc. Satter 31X-1D WFN 29577
							\$126,249	

Johnson Trust Mineral Appraisal

Land Plat

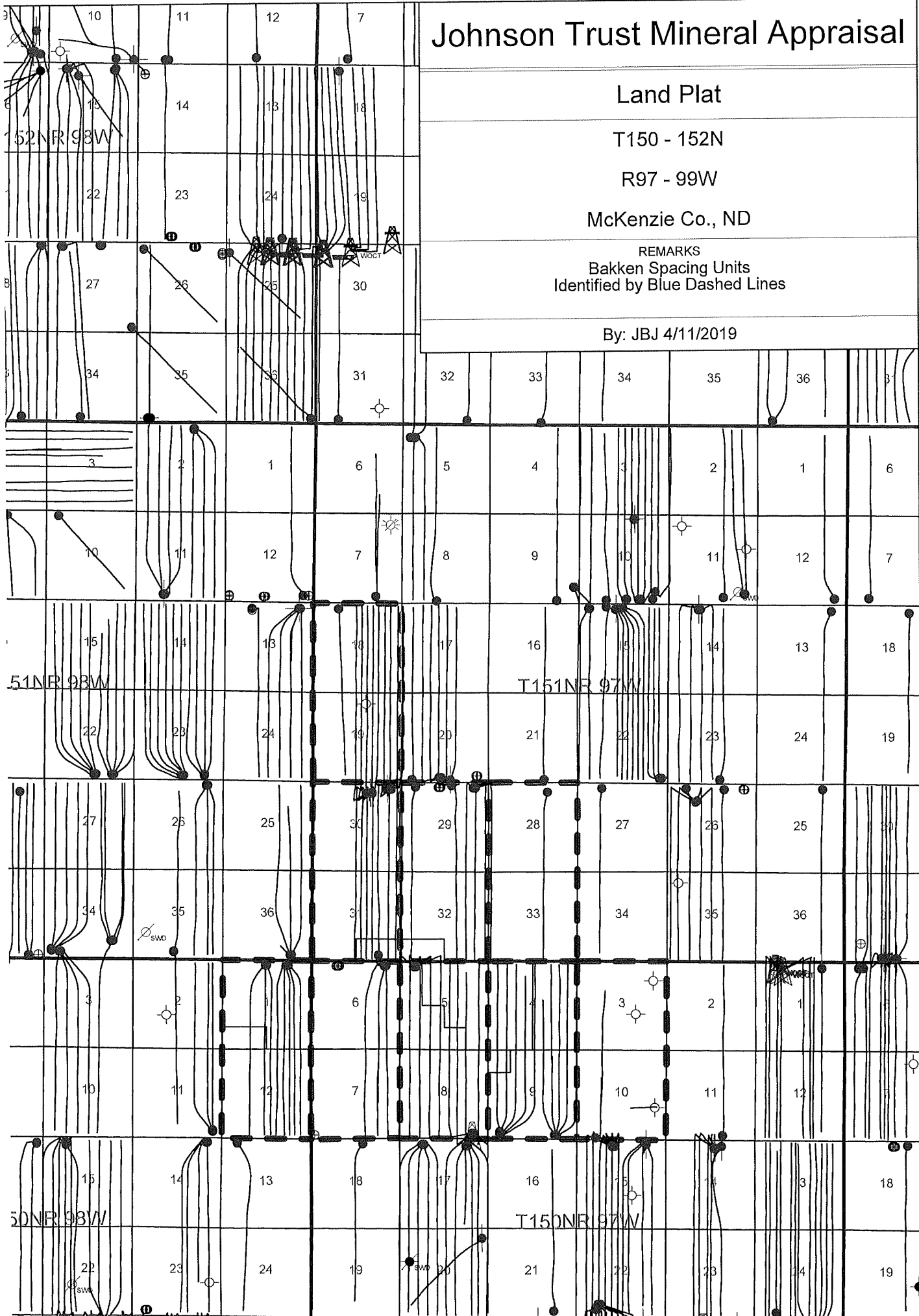
T150 - 152N

R97 - 99W

McKenzie Co., ND

REMARKS
Bakken Spacing Units
Identified by Blue Dashed Lines

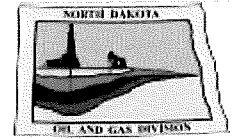
By: JBJ 4/11/2019



Related Links

Premium Services
Code Definitions
Digital & Image Logs
Map This Well
Get Well File

Get Well Scout Ticket Data



Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
9/21/2018 1:36:27 PM

NDIC File No: **20683** API No: **33-053-03557-00-00** County: **MCKENZIE** CTB No: **220683**
 Well Type: **OG** Well Status: **A** Status Date: **11/16/2011** Wellbore type: **HORIZONTAL**
 Location: **LOT2 1-150-98** Footages: **300 FNL 1500 FEL** Latitude: **47.846753** Longitude:
-103.160419

Lateral 1 Start Coordinates **5 N 170 W** From Wellhead, End Coordinates **9987 S 526 W** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
 Original Operator: **DENBURY ONSHORE, LLC**
 Current Well Name: **SATTER 31-1SWH**
 Original Well Name: **SATTER 31-1SWH**
 Elevation(s): **2119 KB 2096 GR 2097 GL** Total Depth: **20894** Field: **SIVERSTON**
 Spud Date(s): **8/15/2011**
 Other Wells on The Same Multi-Well Pad:
 NDIC File No: **29576** Well Name: **SATTER 31X-1H** Well Confidential: **No** Formation Tops Available: **No**
 NDIC File No: **29577** Well Name: **SATTER 31X-1D** Well Confidential: **No** Formation Tops Available: **No**
 NDIC File No: **29578** Well Name: **SATTER 31X-1G2** Well Confidential: **No** Formation Tops Available: **No**
 NDIC File No: **29579** Well Name: **SATTER 31X-1CXD** Well Confidential: **No** Formation Tops Available: **No**
 Digital or Image Log(s) available: **AIG-CND-CAL.las** 8.5MB, **AIG** 10.6MB, **CAL** 2MB, **CBL-CIL.las** 2.8MB, **CBL-CIL** 4.1MB, **CND** 2.7MB, **DTSM1** 4.8MB, **DTSM2** 11MB, **GR.las** 779KB

Formation Tops
K-P 1954 K-GH 4384 K-M 5027 K-N 5164 K-IK 5406 J-S 5837
J-R 6310 T-S 6888 PM-MK 7345 PM-OP 7384 PM-EBA 7642 PN-T 7994
M-EBS 8225 M-KL 8574 M-MD 8721 M-MDR 9346 M-MDLS 9450 M-MDFA 9657
M-MDLP 10200

Casing String(s): **9.625" 2532' 7" 11504'**

Completion Data

Pool: **BAKKEN** Perfs: **11504-20894** Comp Dt: **11/16/2011** Status: **AL** Status Dt: **6/25/2012** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

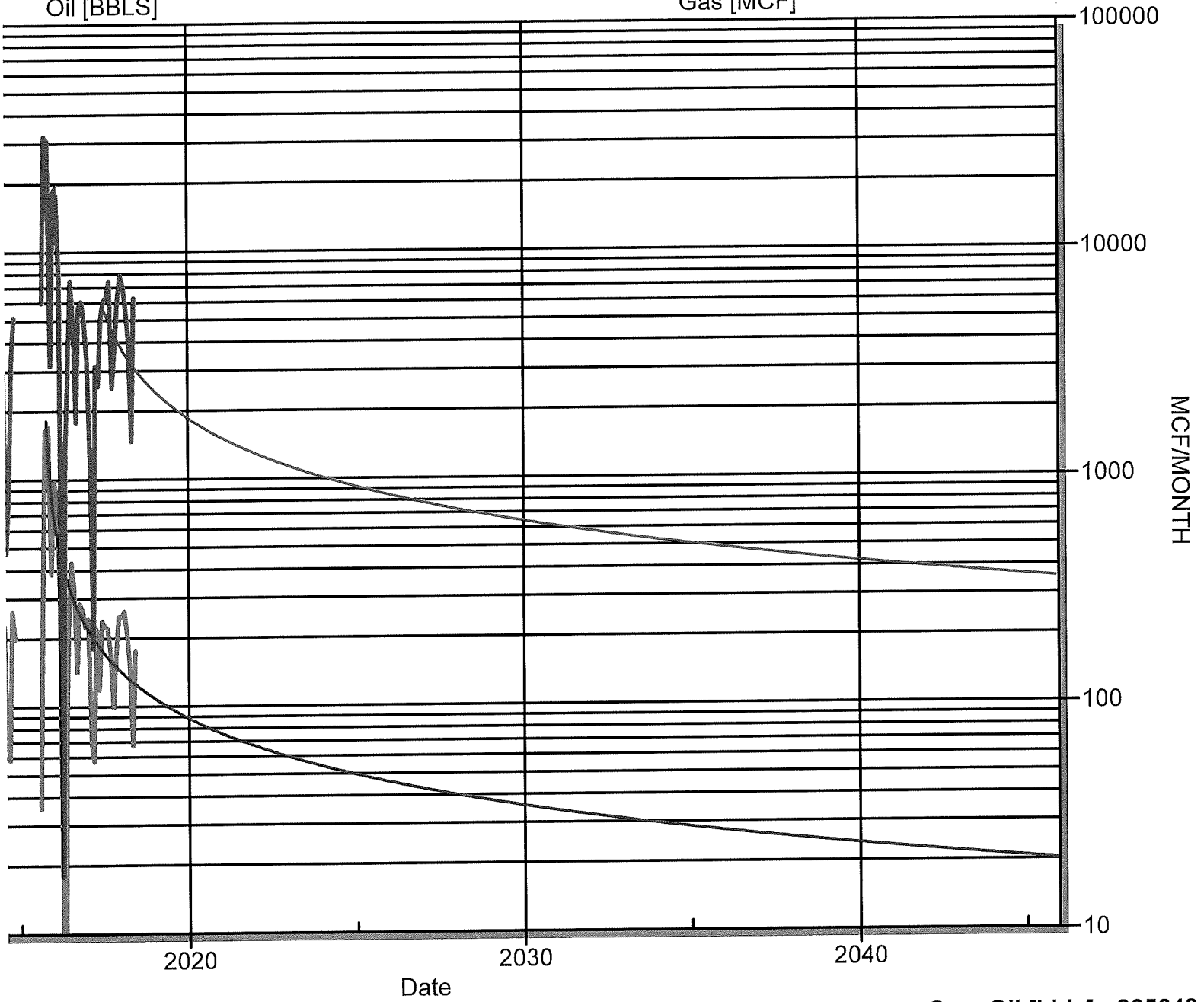
Pool: **BAKKEN** Cum Oil: **274171** Cum MCF Gas: **569480** Cum Water: **198557**
[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Satter 31-1SWH (20683)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 265643
Cum Gas [mcf]: 493224
Cum Water [bbls]: 0

Tract 17A

Economic Report (20 Year)

Lease: Satter 31-1SWH (20683)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:22:19

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	4,513	100.000000	4,513	57.00	257,261	10,491	100.000000	10,491	3.00	31,472
2019	11,741	100.000000	11,741	57.00	669,236	25,640	100.000000	25,640	3.00	76,920
2020	9,821	100.000000	9,821	57.00	559,807	20,178	100.000000	20,178	3.00	60,534
2021	8,505	100.000000	8,505	57.00	484,788	16,841	100.000000	16,841	3.00	50,522
2022	7,538	100.000000	7,538	57.00	429,690	14,560	100.000000	14,560	3.00	43,681
2023	6,794	100.000000	6,794	57.00	387,269	12,890	100.000000	12,890	3.00	38,671
2024	6,200	100.000000	6,200	57.00	353,402	11,605	100.000000	11,605	3.00	34,815
2025	5,715	100.000000	5,715	57.00	325,756	10,585	100.000000	10,585	3.00	31,755
2026	5,310	100.000000	5,310	57.00	302,681	9,752	100.000000	9,752	3.00	29,256
2027	4,966	100.000000	4,966	57.00	283,083	9,057	100.000000	9,057	3.00	27,172
2028	4,670	100.000000	4,670	57.00	266,169	8,467	100.000000	8,467	3.00	25,400
2029	4,412	100.000000	4,412	57.00	251,457	7,959	100.000000	7,959	3.00	23,878
2030	4,184	100.000000	4,184	57.00	238,514	7,518	100.000000	7,518	3.00	22,553
2031	3,983	100.000000	3,983	57.00	227,021	7,129	100.000000	7,129	3.00	21,387
2032	3,802	100.000000	3,802	57.00	216,717	6,783	100.000000	6,783	3.00	20,350
2033	3,640	100.000000	3,640	57.00	207,455	6,475	100.000000	6,475	3.00	19,425
2034	3,492	100.000000	3,492	57.00	199,068	6,197	100.000000	6,197	3.00	18,592
2035	3,358	100.000000	3,358	57.00	191,429	5,946	100.000000	5,946	3.00	17,838
2036	3,236	100.000000	3,236	57.00	184,424	5,717	100.000000	5,717	3.00	17,150
2037	3,123	100.000000	3,123	57.00	177,998	5,507	100.000000	5,507	3.00	16,522
Subtotal:	109,004		109,004		6,213,225	209,298		209,298		627,894
Remaining:	28,460	100.000000	28,460	57.00	1,622,234	49,817	100.000000	49,817	3.00	149,451
Total:	137,464		137,464		7,835,458	259,115		259,115		777,345

Date	Total Net Revenue [\$]	Working Int [%]	WI Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	288,733	0.000000	0.00	0	26,775	0	0	261,958	261,958	258,920
2019	746,156	0.000000	0.00	0	69,488	0	0	676,668	938,626	628,759
2020	620,341	0.000000	0.00	0	57,998	0	0	562,342	1,500,968	474,854
2021	535,310	0.000000	0.00	0	50,163	0	0	485,147	1,986,115	372,340
2022	473,372	0.000000	0.00	0	44,425	0	0	428,947	2,415,062	299,232
2023	425,940	0.000000	0.00	0	40,016	0	0	385,924	2,800,986	244,716
2024	388,217	0.000000	0.00	0	36,501	0	0	351,716	3,152,702	202,732
2025	357,511	0.000000	0.00	0	33,634	0	0	323,877	3,476,579	169,701
2026	331,938	0.000000	0.00	0	31,243	0	0	300,694	3,777,273	143,223
2027	310,255	0.000000	0.00	0	29,214	0	0	281,041	4,058,314	121,687
2028	291,568	0.000000	0.00	0	27,464	0	0	264,105	4,322,419	103,954
2029	275,335	0.000000	0.00	0	25,942	0	0	249,393	4,571,812	89,236
2030	261,066	0.000000	0.00	0	24,603	0	0	236,463	4,808,276	76,916
2031	248,408	0.000000	0.00	0	23,415	0	0	224,993	5,033,269	66,530
2032	237,067	0.000000	0.00	0	22,350	0	0	214,717	5,247,986	57,718
2033	226,880	0.000000	0.00	0	15,396	0	0	211,484	5,459,470	51,650
2034	217,660	0.000000	0.00	0	10,573	0	0	207,087	5,666,557	46,004
2035	209,267	0.000000	0.00	0	10,166	0	0	199,101	5,865,658	40,208
2036	201,574	0.000000	0.00	0	9,793	0	0	191,781	6,057,440	35,209
2037	194,520	0.000000	0.00	0	9,451	0	0	185,070	6,242,509	30,887
Subtotal:	6,841,118			0	598,609	0	0	6,242,509		3,514,475
Remaining:	1,771,685	0.000000	0.00	0	86,093	0	0	1,685,592	1,685,592	171,438
Total:	8,612,803			0	684,703	0	0	7,928,101	7,928,101	3,685,913

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:		
		Di [Nominal]	b	Qa [Units/Mo]					3,685,913	20% NPV [\$]:	2,485,694
Oct-2015	18189.4	9.621	1.325	189.9	247639	Oct-2048	Oil [bbls]	Last Production:	Oct-2048		
Jul-2017	5517.7	0.982	1.325	329.2	313868	Dec-2048	Gas [mcf]	Investment [\$]:	0		
								Payout [Years]:	0.00		
								ROI:	0.00		
								IRR [%]:	400.00		

Related Links

Premium Services
Code Definitions
Digital & Image Logs
Map This Well
Get Well File

Get Well Scout Ticket Data



Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
4/5/2019 11:17:03 AM

NDIC File No: **29576** API No: **33-053-06334-00-00** County: **MCKENZIE** CTB No: **220683**
 Well Type: **OG** Well Status: **A** Status Date: **8/13/2015** Wellbore type: **HORIZONTAL**
 Location: **LOT2 1-150-98** Footages: **300 FNL 1380 FEL** Latitude: **47.846751** Longitude:
-103.159930

Lateral **1** Start Coordinates **2 S 90 E** From Wellhead, End Coordinates **9993 S 785 E** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
 Original Operator: **XTO ENERGY INC.**
 Current Well Name: **SATTER 31X-1H**
 Original Well Name: **SATTER 31X-1D**

Elevation(s): **2121 KB 2097 GR 2096 GL** Total Depth: **21174** Field: **SIVERSTON**
 Spud Date(s): **1/1/2015**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **20683** Well Name: **SATTER 31-1SWH** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29577** Well Name: **SATTER 31X-1D** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29578** Well Name: **SATTER 31X-1G2** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29579** Well Name: **SATTER 31X-1CXD** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL-CIL.las** 4.1MB, **CBL** 16MB, **CIL** 8.4MB, **DTSM1.las** 117KB, **DTSM1** 3.6MB, **DTSM2.las** 887KB, **DTSM2** 7.1MB

Casing String(s): **9.625" 2023' 7" 11374'**

Completion Data

Pool: **BAKKEN** Perfs: **11374-21174** Comp Dt: **8/13/2015** Status: **AL** Status Dt: **6/17/2016** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **142118** Cum MCF Gas: **355292** Cum Water: **118911**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

IP Test Date: **12/7/2015** Pool: **BAKKEN** IP Oil: **1184** IP MCF: **1905** IP Water: **595**

Cores and Samples

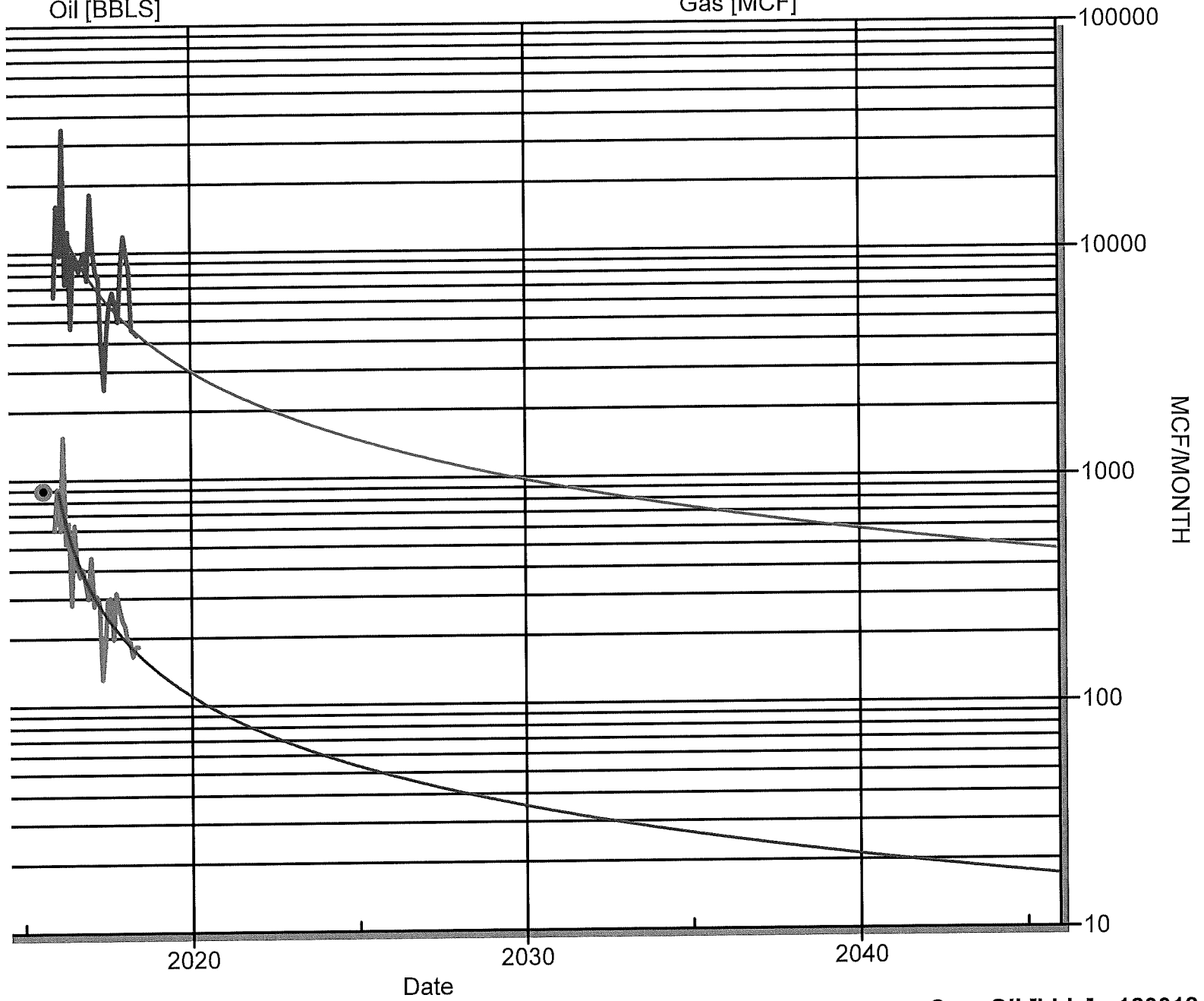
Type: **DC** Top: **9300** Bottom: **11760**
 Type: **DC** Top: **11760** Bottom: **14970**

Satter 31X-1H (29576)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 129018
Cum Gas [mcf]: 276913
Cum Water [bbls]: 0

Tract 17B

Economic Report (20 Year)

Lease: Satter 31X-1H (29576)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:25:52

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	5,966	100.000000	5,966	57.00	340,038	15,760	100.000000	15,760	3.00	47,280
2019	15,040	100.000000	15,040	57.00	857,280	40,317	100.000000	40,317	3.00	120,952
2020	12,063	100.000000	12,063	57.00	687,608	32,804	100.000000	32,804	3.00	98,411
2021	10,084	100.000000	10,084	57.00	574,760	27,642	100.000000	27,642	3.00	82,926
2022	8,669	100.000000	8,669	57.00	494,108	23,875	100.000000	23,875	3.00	71,625
2023	7,606	100.000000	7,606	57.00	433,519	21,004	100.000000	21,004	3.00	63,011
2024	6,776	100.000000	6,776	57.00	386,215	18,739	100.000000	18,739	3.00	56,217
2025	6,112	100.000000	6,112	57.00	348,379	16,914	100.000000	16,914	3.00	50,741
2026	5,568	100.000000	5,568	57.00	317,383	15,410	100.000000	15,410	3.00	46,230
2027	5,114	100.000000	5,114	57.00	291,508	14,149	100.000000	14,149	3.00	42,448
2028	4,729	100.000000	4,729	57.00	269,531	13,075	100.000000	13,075	3.00	39,226
2029	4,398	100.000000	4,398	57.00	250,701	12,153	100.000000	12,153	3.00	36,458
2030	4,112	100.000000	4,112	57.00	234,366	11,351	100.000000	11,351	3.00	34,053
2031	3,861	100.000000	3,861	57.00	220,051	10,647	100.000000	10,647	3.00	31,942
2032	3,638	100.000000	3,638	57.00	207,376	10,023	100.000000	10,023	3.00	30,070
2033	3,441	100.000000	3,441	57.00	196,117	9,469	100.000000	9,469	3.00	28,407
2034	3,264	100.000000	3,264	57.00	186,035	8,972	100.000000	8,972	3.00	26,916
2035	3,104	100.000000	3,104	57.00	176,950	8,524	100.000000	8,524	3.00	25,573
2036	2,960	100.000000	2,960	57.00	168,703	8,118	100.000000	8,118	3.00	24,353
2037	2,828	100.000000	2,828	57.00	161,212	7,748	100.000000	7,748	3.00	23,245
Subtotal:	119,331		119,331		6,801,839	326,695		326,695		980,084
Remaining:	19,687	100.000000	19,687	57.00	1,122,134	53,664	100.000000	53,664	3.00	160,992
Total:	139,017		139,017		7,923,974	380,359		380,359		1,141,076

Date	Total Net Revenue [\$]	Working Int [%]	WI Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	387,317	0.000000	0.00	0	35,580	0	0	351,738	351,738	347,669
2019	978,232	0.000000	0.00	0	89,760	0	0	888,473	1,240,210	825,791
2020	786,019	0.000000	0.00	0	72,041	0	0	713,978	1,954,188	603,051
2021	657,686	0.000000	0.00	0	60,240	0	0	597,446	2,551,635	458,631
2022	565,733	0.000000	0.00	0	51,798	0	0	513,935	3,065,569	358,592
2023	496,530	0.000000	0.00	0	45,452	0	0	451,078	3,516,647	286,083
2024	442,431	0.000000	0.00	0	40,495	0	0	401,936	3,918,583	231,718
2025	399,120	0.000000	0.00	0	36,529	0	0	362,591	4,281,174	190,015
2026	363,613	0.000000	0.00	0	33,279	0	0	330,334	4,611,507	157,363
2027	333,956	0.000000	0.00	0	30,566	0	0	303,390	4,914,898	131,381
2028	308,757	0.000000	0.00	0	28,261	0	0	280,497	5,195,394	110,419
2029	287,160	0.000000	0.00	0	26,285	0	0	260,874	5,456,268	93,355
2030	268,418	0.000000	0.00	0	24,572	0	0	243,846	5,700,115	79,326
2031	251,993	0.000000	0.00	0	23,070	0	0	228,923	5,929,038	67,699
2032	237,447	0.000000	0.00	0	15,764	0	0	221,682	6,150,720	59,564
2033	224,523	0.000000	0.00	0	10,753	0	0	213,771	6,364,491	52,243
2034	212,951	0.000000	0.00	0	10,199	0	0	202,752	6,567,243	45,045
2035	202,523	0.000000	0.00	0	9,700	0	0	192,823	6,760,066	38,944
2036	193,056	0.000000	0.00	0	9,247	0	0	183,809	6,943,875	33,748
2037	184,457	0.000000	0.00	0	8,835	0	0	175,622	7,119,497	29,313
Subtotal:	7,781,924			0	662,427	0	0	7,119,497		4,199,950
Remaining:	1,283,126	0.000000	0.00	0	61,473	0	0	1,221,653	1,221,653	136,789
Total:	9,065,050			0	723,900	0	0	8,341,150	8,341,150	4,336,739

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:	
		Di [Nominal]	b	Qa [Units/Mo]					4,336,739	3,048,454
Jan-2016	8946.7	1.844	1.025	169.7	247262	Apr-2046	Oil [bbls]	30% NPV [\$]:	2,428,570	
Dec-2015	15937.4	1.036	0.975	456.8	634906	Jul-2046	Gas [mcf]	Last Production:	Apr-2046	
								Investment [\$]:	0	
								Payout [Years]:	0.00	
								ROI:	0.00	
								IRR [%]:	400.00	

Related Links

Premium Services
Code Definitions
Digital & Image Logs
Map This Well
Get Well File

Get Well Scout Ticket Data



Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
8/1/2016 3:15:29 PM

NDIC File No: **29577** API No: **33-053-06335-00-00** County: **MCKENZIE** CTB No: **220683**
Well Type: **OG** Well Status: **A** Status Date: **8/29/2015** Wellbore type: **HORIZONTAL**
Location: **LOT2 1-150-98** Footages: **300 FNL 1410 FEL** Latitude: **47.846751** Longitude:
-103.160052

Lateral **1** Start Coordinates **59 S 52 E** From Wellhead, End Coordinates **9990 S 462 E** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
Original Operator: **XTO ENERGY INC.**
Current Well Name: **SATTER 31X-1D**
Original Well Name: **SATTER 31X-1H**

Elevation(s): **2120 KB 2096 GR 2097 GL** Total Depth: **20823** Field: **SIVERSTON**
Spud Date(s): **2/6/2015**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **20683** Well Name: **SATTER 31-1SWH** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29576** Well Name: **SATTER 31X-1H** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29578** Well Name: **SATTER 31X-1G2** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29579** Well Name: **SATTER 31X-1CXD** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL-CIL.las** 4.1MB, **CBL** 15.4MB, **CIL** 8.4MB, **DTSM1.las** 104KB, **DTSM1** 3.2MB, **DTSM2.las** 868KB, **DTSM2** 6.3MB

Casing String(s): **9.625" 2063' 7" 11395'**

Completion Data

Pool: **BAKKEN** Perfs: **11395-20823** Comp Dt: **8/29/2015** Status: **AL** Status Dt: **6/22/2016** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **136973** Cum MCF Gas: **365348** Cum Water: **72177**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

IP Test Date: **12/11/2015** Pool: **BAKKEN** IP Oil: **1290** IP MCF: **2177** IP Water: **246**

Cores and Samples

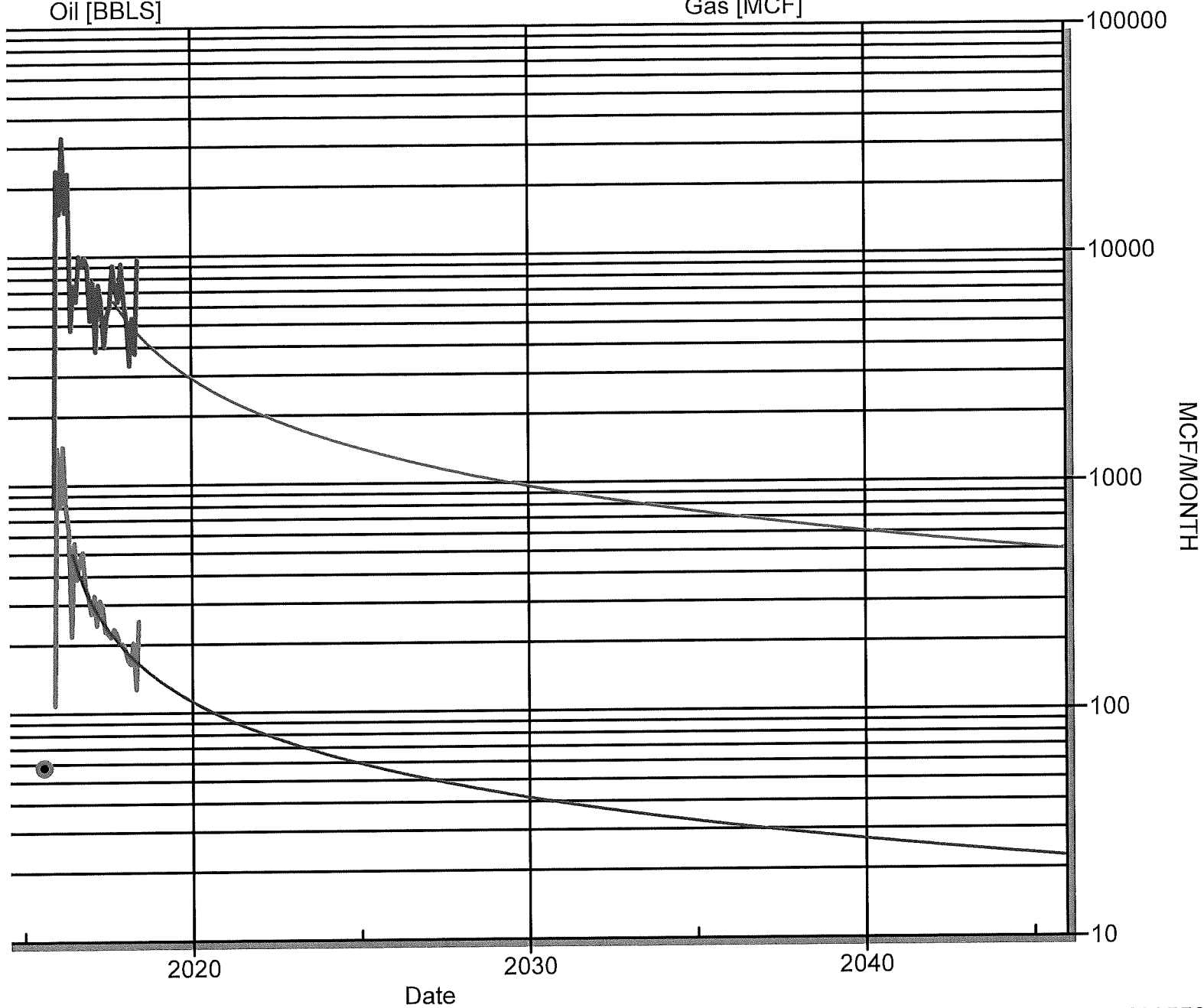
Type: **DC** Top: **9350** Bottom: **13100**
Type: **DC** Top: **13100** Bottom: **17000**
Type: **DC** Top: **17000** Bottom: **20823**

Satter 31X-1D (29577)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 122556
Cum Gas [mcf]: 280931
Cum Water [bbls]: 0

Tract 17C

Economic Report (20 Year)

Lease: Satter 31X-1D (29577)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 14:30:35

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	5,844	100.000000	5,844	57.00	333,131	16,526	100.000000	16,526	3.00	49,577
2019	14,988	100.000000	14,988	57.00	854,325	40,921	100.000000	40,921	3.00	122,763
2020	12,320	100.000000	12,320	57.00	702,224	32,372	100.000000	32,372	3.00	97,117
2021	10,524	100.000000	10,524	57.00	599,884	26,937	100.000000	26,937	3.00	80,812
2022	9,225	100.000000	9,225	57.00	525,800	23,153	100.000000	23,153	3.00	69,458
2023	8,236	100.000000	8,236	57.00	469,427	20,354	100.000000	20,354	3.00	61,062
2024	7,454	100.000000	7,454	57.00	424,868	18,190	100.000000	18,190	3.00	54,571
2025	6,821	100.000000	6,821	57.00	388,805	16,471	100.000000	16,471	3.00	49,412
2026	6,297	100.000000	6,297	57.00	358,930	15,067	100.000000	15,067	3.00	45,201
2027	5,855	100.000000	5,855	57.00	333,727	13,898	100.000000	13,898	3.00	41,694
2028	5,476	100.000000	5,476	57.00	312,107	12,906	100.000000	12,906	3.00	38,717
2029	5,147	100.000000	5,147	57.00	293,406	12,056	100.000000	12,056	3.00	36,168
2030	4,860	100.000000	4,860	57.00	277,036	11,318	100.000000	11,318	3.00	33,955
2031	4,606	100.000000	4,606	57.00	262,570	10,671	100.000000	10,671	3.00	32,014
2032	4,380	100.000000	4,380	57.00	249,656	10,098	100.000000	10,098	3.00	30,293
2033	4,177	100.000000	4,177	57.00	238,095	9,588	100.000000	9,588	3.00	28,763
2034	3,994	100.000000	3,994	57.00	227,666	9,130	100.000000	9,130	3.00	27,390
2035	3,828	100.000000	3,828	57.00	218,202	8,717	100.000000	8,717	3.00	26,151
2036	3,676	100.000000	3,676	57.00	209,553	8,341	100.000000	8,341	3.00	25,023
2037	3,538	100.000000	3,538	57.00	201,644	7,999	100.000000	7,999	3.00	23,998
Subtotal:	131,247		131,247		7,481,054	324,713		324,713		974,138
Remaining:	29,671	100.000000	29,671	57.00	1,691,248	66,121	100.000000	66,121	3.00	198,363
Total:	160,918		160,918		9,172,303	390,834		390,834		1,172,501

Date	Total Net Revenue [\$]	Working Int [%]	WM Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	382,707	0.000000	0.00	0	34,966	0	0	347,742	347,742	343,715
2019	977,088	0.000000	0.00	0	89,525	0	0	887,563	1,235,305	824,836
2020	799,341	0.000000	0.00	0	73,460	0	0	725,881	1,961,186	613,020
2021	680,697	0.000000	0.00	0	62,682	0	0	618,014	2,579,201	474,357
2022	595,258	0.000000	0.00	0	54,895	0	0	540,362	3,119,563	376,985
2023	530,489	0.000000	0.00	0	48,978	0	0	481,511	3,601,074	305,349
2024	479,439	0.000000	0.00	0	44,306	0	0	435,133	4,036,207	250,829
2025	438,217	0.000000	0.00	0	40,528	0	0	397,689	4,433,896	208,388
2026	404,131	0.000000	0.00	0	37,400	0	0	366,732	4,800,627	174,686
2027	375,420	0.000000	0.00	0	34,762	0	0	340,658	5,141,285	147,507
2028	350,824	0.000000	0.00	0	32,501	0	0	318,323	5,459,608	125,300
2029	329,574	0.000000	0.00	0	30,546	0	0	299,027	5,758,636	107,000
2030	310,991	0.000000	0.00	0	28,835	0	0	282,156	6,040,791	91,782
2031	294,584	0.000000	0.00	0	27,324	0	0	267,260	6,308,051	79,031
2032	279,949	0.000000	0.00	0	25,975	0	0	253,974	6,562,025	68,273
2033	266,857	0.000000	0.00	0	24,768	0	0	242,089	6,804,114	59,160
2034	255,056	0.000000	0.00	0	23,680	0	0	231,376	7,035,491	51,401
2035	244,353	0.000000	0.00	0	22,692	0	0	221,661	7,257,151	44,765
2036	234,576	0.000000	0.00	0	18,343	0	0	216,233	7,473,385	39,679
2037	225,642	0.000000	0.00	0	10,882	0	0	214,760	7,688,145	35,843
Subtotal:	8,455,192			0	767,048	0	0	7,688,145		4,421,907
Remaining:	1,889,611	0.000000	0.00	0	91,175	0	0	1,798,437	1,798,437	188,830
Total:	10,344,804			0	858,222	0	0	9,486,582	9,486,582	4,610,737

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:	
		Di [Nominal]	b	Qa [Units/Mo]					4,610,737	3,164,544
Dec-2015	14491.4	4.434	1.225	214.1	283173	Dec-2047	Oil [bbls]	20% NPV [\$]:	2,492,965	
Aug-2017	7079.5	0.618	1.150	467.0	464940	Apr-2048	Gas [mcf]	30% NPV [\$]:	1,888,830	
Dec-2015	30045.4	5.165	1.325	4701.3	197000	Jul-2017	Gas [mcf]	Last Production:	Dec-2047	
								Investment [\$]:	0	
								Payout [Years]:	0.00	
								ROI:	0.00	
								IRR [%]:	400.00	

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Get Well Scout Ticket Data




Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
1/7/2019 12:13:10 PM

NDIC File No: **29578** API No: **33-053-06336-00-00** County: **MCKENZIE** CTB No: **220683**
 Well Type: **OG** Well Status: **A** Status Date: **8/30/2015** Wellbore type: **HORIZONTAL**
 Location: **LOT2 1-150-98** Footages: **300 FNL 1440 FEL** Latitude: **47.846752** Longitude:
-103.160174

 Lateral **1** Start Coordinates **20 S 6 W** From Wellhead, End Coordinates **9995 S 207 E** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
 Original Operator: **XTO ENERGY INC.**
 Current Well Name: **SATTER 31X-1G2**
 Original Well Name: **SATTER 31X-1CXD**
 Elevation(s): **2121 KB 2097 GR 2097 GL** Total Depth: **21004** Field: **SIVERSTON**
 Spud Date(s): **3/12/2015**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **20683** Well Name: **SATTER 31-1SWH** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29576** Well Name: **SATTER 31X-1H** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29577** Well Name: **SATTER 31X-1D** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29579** Well Name: **SATTER 31X-1CXD** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL-CIL.las** 4.2MB, **CBL** 16.3MB, **CIL** 8.4MB, **DGWD.las** 336KB, **DGWD** 7.6MB, **DTSM1.las** 119KB, **DTSM1** 3.5MB, **DTSM2.las** 865KB, **DTSM2** 6.2MB
 Casing String(s): **9.625" 2072' 7" 11501'**

Completion Data

Pool: **BAKKEN** Perfs: **11501-21004** Comp Dt: **8/30/2015** Status: **AL** Status Dt: **4/16/2016** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **129943** Cum MCF Gas: **300415** Cum Water: **124315**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

IP Test Date: **12/13/2015** Pool: **BAKKEN** IP Oil: **1479** IP MCF: **3162** IP Water: **978**

Cores and Samples

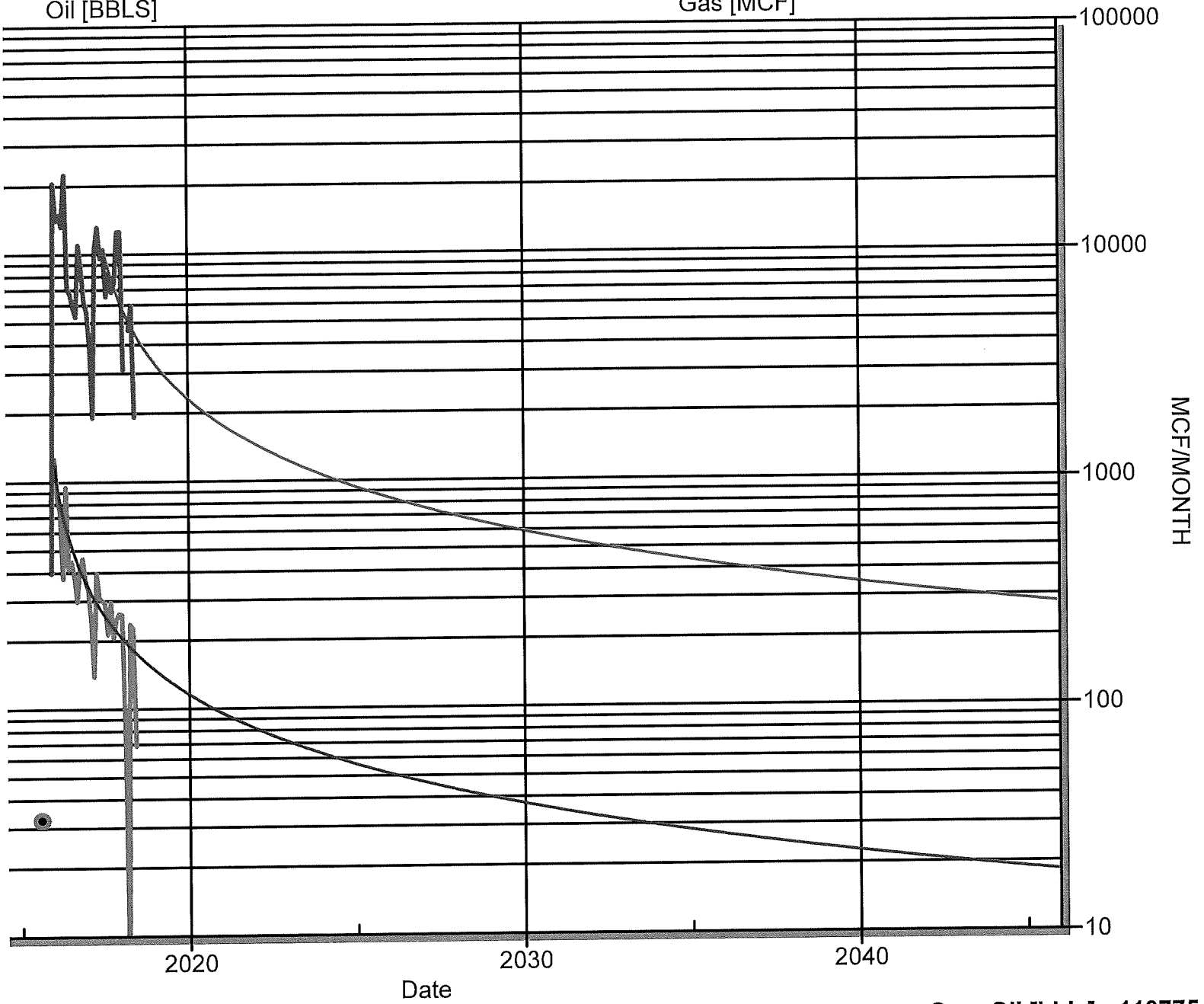
Type: **DC** Top: **9300** Bottom: **12900**
 Type: **DC** Top: **12900** Bottom: **16800**
 Type: **DC** Top: **16800** Bottom: **20806**

Satter 31X-1G2 (29578)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 119775
Cum Gas [mcf]: 262006
Cum Water [bbls]: 0

Tract 17D

Economic Report (20 Year)

Lease: Satter 31X-1G2 (29578)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:36:54

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	6,224	100.000000	6,224	57.00	354,794	14,546	100.000000	14,546	3.00	43,637
2019	15,689	100.000000	15,689	57.00	894,255	33,345	100.000000	33,345	3.00	100,035
2020	12,592	100.000000	12,592	57.00	717,716	24,382	100.000000	24,382	3.00	73,146
2021	10,538	100.000000	10,538	57.00	600,666	19,293	100.000000	19,293	3.00	57,879
2022	9,072	100.000000	9,072	57.00	517,128	15,997	100.000000	15,997	3.00	47,990
2023	7,972	100.000000	7,972	57.00	454,401	13,681	100.000000	13,681	3.00	41,043
2024	7,113	100.000000	7,113	57.00	405,427	11,960	100.000000	11,960	3.00	35,879
2025	6,425	100.000000	6,425	57.00	366,244	10,633	100.000000	10,633	3.00	31,898
2026	5,862	100.000000	5,862	57.00	334,129	9,577	100.000000	9,577	3.00	28,731
2027	5,391	100.000000	5,391	57.00	307,303	8,716	100.000000	8,716	3.00	26,148
2028	4,991	100.000000	4,991	57.00	284,504	7,999	100.000000	7,999	3.00	23,996
2029	4,648	100.000000	4,648	57.00	264,955	7,394	100.000000	7,394	3.00	22,181
2030	4,351	100.000000	4,351	57.00	247,984	6,876	100.000000	6,876	3.00	20,628
2031	4,089	100.000000	4,089	57.00	233,101	6,427	100.000000	6,427	3.00	19,282
2032	3,858	100.000000	3,858	57.00	219,913	6,034	100.000000	6,034	3.00	18,103
2033	3,652	100.000000	3,652	57.00	208,189	5,688	100.000000	5,688	3.00	17,064
2034	3,468	100.000000	3,468	57.00	197,684	5,380	100.000000	5,380	3.00	16,141
2035	3,302	100.000000	3,302	57.00	188,211	5,105	100.000000	5,105	3.00	15,314
2036	3,151	100.000000	3,151	57.00	179,605	4,856	100.000000	4,856	3.00	14,569
2037	3,014	100.000000	3,014	57.00	171,783	4,632	100.000000	4,632	3.00	13,895
Subtotal:	125,403		125,403		7,147,994	222,520		222,520		667,559
Remaining:	22,670	100.000000	22,670	57.00	1,292,174	34,495	100.000000	34,495	3.00	103,485
Total:	148,073		148,073		8,440,168	257,014		257,014		771,043

Date	Total Net Revenue [\$]	Working Int [%]	Wt Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	398,431	0.000000	0.00	0	36,934	0	0	361,497	361,497	357,324
2019	994,291	0.000000	0.00	0	92,760	0	0	901,531	1,263,028	838,029
2020	790,862	0.000000	0.00	0	74,210	0	0	716,652	1,979,680	605,344
2021	658,545	0.000000	0.00	0	61,996	0	0	596,549	2,576,229	457,955
2022	565,117	0.000000	0.00	0	53,312	0	0	511,805	3,088,034	357,111
2023	495,444	0.000000	0.00	0	46,808	0	0	448,636	3,536,670	284,536
2024	441,306	0.000000	0.00	0	41,739	0	0	399,567	3,936,238	230,353
2025	398,143	0.000000	0.00	0	37,688	0	0	360,455	4,296,693	188,896
2026	362,860	0.000000	0.00	0	34,371	0	0	328,489	4,625,182	156,484
2027	333,451	0.000000	0.00	0	31,602	0	0	301,849	4,927,031	130,713
2028	308,500	0.000000	0.00	0	29,250	0	0	279,250	5,206,281	109,928
2029	287,136	0.000000	0.00	0	27,235	0	0	259,901	5,466,182	93,006
2030	268,611	0.000000	0.00	0	25,486	0	0	243,125	5,709,308	79,091
2031	252,383	0.000000	0.00	0	23,953	0	0	228,430	5,937,738	67,553
2032	238,016	0.000000	0.00	0	22,595	0	0	215,421	6,153,159	57,912
2033	225,253	0.000000	0.00	0	16,252	0	0	209,001	6,362,160	51,047
2034	213,825	0.000000	0.00	0	10,422	0	0	203,402	6,565,562	45,189
2035	203,525	0.000000	0.00	0	9,921	0	0	193,604	6,759,166	39,101
2036	194,174	0.000000	0.00	0	9,466	0	0	184,708	6,943,875	33,913
2037	185,678	0.000000	0.00	0	9,052	0	0	176,626	7,120,501	29,480
Subtotal:	7,815,553			0	695,052	0	0	7,120,501		4,212,965
Remaining:	1,395,659	0.000000	0.00	0	68,058	0	0	1,327,601	1,327,601	144,562
Total:	9,211,211			0	763,110	0	0	8,448,101	8,448,101	4,357,526

Decline Parameters Used In Forecast

Start Date	Qi [Units/Mo]	Di [Nominal]	b	Qa [Units/Mo]	Np	End Date	Product	10% NPV [\$]:	4,357,526
Dec-2015	12845.8	2.707	1.050	178.0	278107	Jan-2047	Oil [bbls]	20% NPV [\$]:	3,066,309
Jul-2017	10127.3	1.426	1.050	254.7	349591	Oct-2048	Gas [mcf]	30% NPV [\$]:	2,447,221
								Last Production:	Jan-2047
								Investment [\$]:	0
								Payout [Years]:	0.00
								ROI:	0.00
								IRR [%]:	400.00



Related Links

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Get Well Scout Ticket Data

Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
5/3/2018 11:52:05 AM

NDIC File No: **29582** API No: **33-053-06339-00-00** County: **MCKENZIE** CTB No: **229582**
 Well Type: **OG** Well Status: **A** Status Date: **8/6/2015** Wellbore type: **HORIZONTAL**
 Location: **LOT3 1-150-98** Footages: **300 FNL 2600 FWL** Latitude: **47.846776** Longitude:
-103.165103

Lateral 1 Start Coordinates **44 S 39 E** From Wellhead, End Coordinates **9992 S 307 E** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
 Original Operator: **XTO ENERGY INC.**
 Current Well Name: **SATTER 21X-1C**
 Original Well Name: **SATTER 21X-1F**
 Elevation(s): **2081 KB 2057 GR 2058 GL** Total Depth: **20770** Field: **SIVERSTON**
 Spud Date(s): **10/27/2014**

Other Wells on The Same Multi-Well Pad:
 NDIC File No: **29583** Well Name: **SATTER 21X-1F** Well Confidential: **No** Formation Tops Available: **No**
 NDIC File No: **29584** Well Name: **SATTER 21X-1B** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL.las** 1.2MB, **CBL** 13.8MB, **CBUS.las** 2.1MB, **CBUS1** 6.1MB, **CBUS2** 13MB, **CIL.las** 12.7MB, **CIL** 7.8MB, **DTSM1.las** 102KB, **DTSM1** 3MB, **DTSM2.las** 869KB, **DTSM2** 6MB

Formation Tops
K-GH 4543 K-M 4990 K-IK 5350 J-S 5797 J-R 6270 T-S 6831
PM-MK 7307 PM-OP 7345 PN-T 7957 M-EBS 8186 M-KL 8539 M-MD 8685
M-MDR 9306 M-MDLS 9413 M-MDFA 9620 M-MDLP 10184

Casing String(s): **9.625" 2147' 7" 11376'**

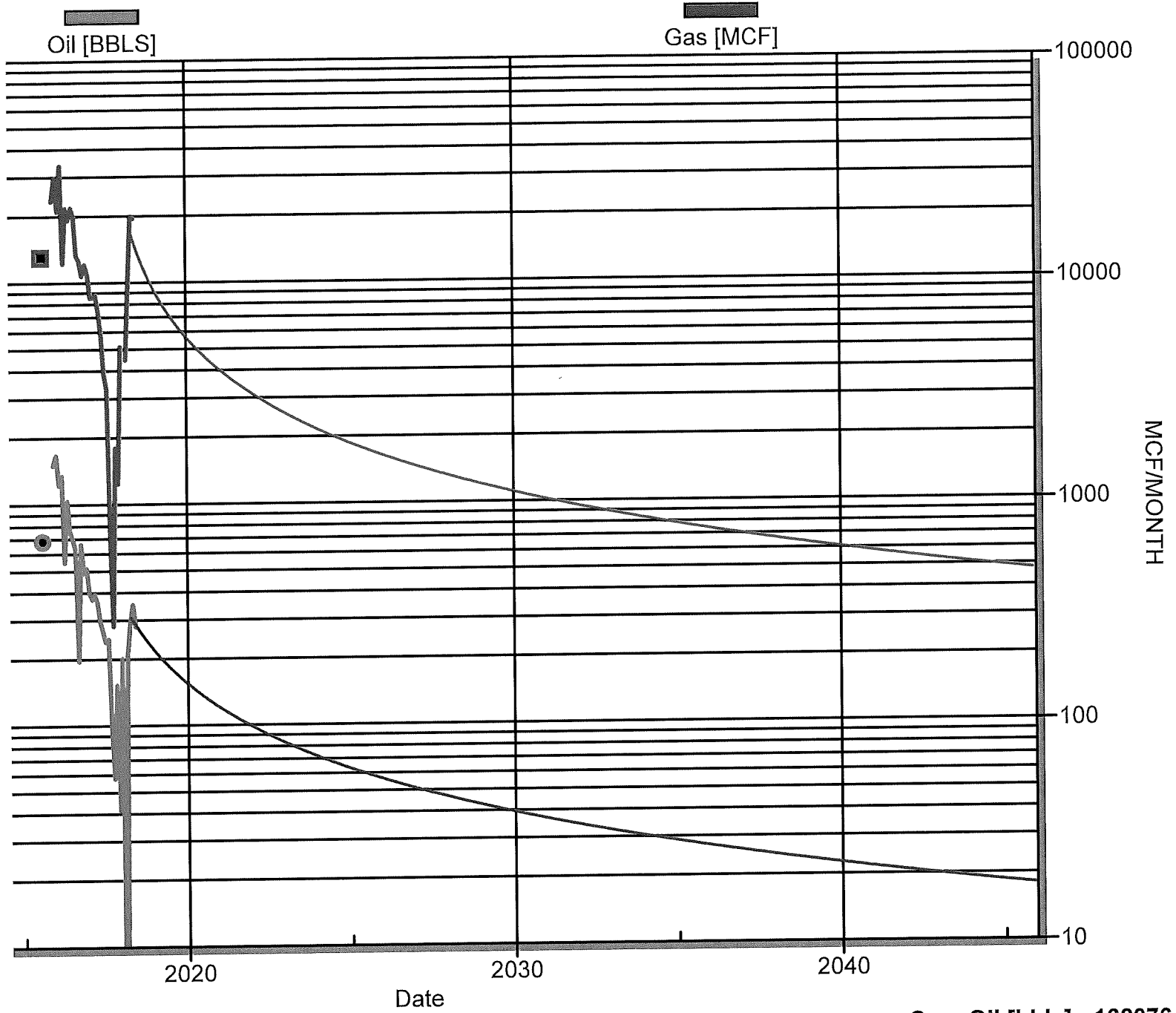
Completion Data
 Pool: **BAKKEN** Perfs: **11376-20770** Comp Dt: **8/6/2015** Status: **AL** Status Dt: **9/26/2016**
 Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)
 Pool: **BAKKEN** Cum Oil: **180049** Cum MCF Gas: **518675** Cum Water: **89385**
[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data
 IP Test Date: **8/7/2015** Pool: **BAKKEN** IP Oil: **1598** IP MCF: **2970** IP Water: **1601**
 Cores and Samples
 Type: **DC** Top: **9300** Bottom: **13200**

Satter 21X-1C (29582)

McKenzie COUNTY, ND



Cum Oil [bbls]: 162076
Cum Gas [mcf]: 384197
Cum Water [bbls]: 0

Tract 17E

Economic Report (20 Year)

Lease: Satter 21X-1C (29582)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:40:34

Location: Lot 3
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

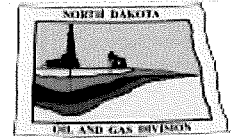
Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	9,387	100.000000	9,387	57.00	535,081	42,964	100.000000	42,964	3.00	128,892
2019	21,940	100.000000	21,940	57.00	1,250,594	87,429	100.000000	87,429	3.00	262,287
2020	16,278	100.000000	16,278	57.00	927,843	57,380	100.000000	57,380	3.00	172,141
2021	12,951	100.000000	12,951	57.00	738,201	42,700	100.000000	42,700	3.00	128,100
2022	10,757	100.000000	10,757	57.00	613,135	33,979	100.000000	33,979	3.00	101,938
2023	9,199	100.000000	9,199	57.00	524,369	28,199	100.000000	28,199	3.00	84,596
2024	8,034	100.000000	8,034	57.00	457,955	24,079	100.000000	24,079	3.00	72,236
2025	7,133	100.000000	7,133	57.00	408,567	21,005	100.000000	21,005	3.00	63,016
2026	6,414	100.000000	6,414	57.00	365,576	18,623	100.000000	18,623	3.00	55,868
2027	5,826	100.000000	5,826	57.00	332,098	16,721	100.000000	16,721	3.00	50,163
2028	5,337	100.000000	5,337	57.00	304,184	15,165	100.000000	15,165	3.00	45,495
2029	4,923	100.000000	4,923	57.00	280,638	13,874	100.000000	13,874	3.00	41,621
2030	4,570	100.000000	4,570	57.00	260,487	12,783	100.000000	12,783	3.00	38,350
2031	4,264	100.000000	4,264	57.00	243,036	11,850	100.000000	11,850	3.00	35,551
2032	3,996	100.000000	3,996	57.00	227,746	11,041	100.000000	11,041	3.00	33,124
2033	3,759	100.000000	3,759	57.00	214,288	10,336	100.000000	10,336	3.00	31,007
2034	3,550	100.000000	3,550	57.00	202,338	9,714	100.000000	9,714	3.00	29,142
2035	3,362	100.000000	3,362	57.00	191,651	9,162	100.000000	9,162	3.00	27,487
2036	3,193	100.000000	3,193	57.00	182,015	8,668	100.000000	8,668	3.00	26,004
2037	3,041	100.000000	3,041	57.00	173,317	8,225	100.000000	8,225	3.00	24,674
Subtotal:	147,914		147,914		8,431,119	483,897		483,897		1,451,691
Remaining:	23,860	100.000000	23,860	57.00	1,360,040	61,397	100.000000	61,397	3.00	184,192
Total:	171,775		171,775		9,791,158	545,294		545,294		1,635,883

Date	Total Net Revenue [\$]	Working Int [%]	WI Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	663,973	0.000000	0.00	0	57,805	0	0	606,168	606,168	599,263
2019	1,512,882	0.000000	0.00	0	133,802	0	0	1,379,080	1,985,248	1,283,111
2020	1,099,983	0.000000	0.00	0	98,522	0	0	1,001,461	2,986,709	846,368
2021	866,301	0.000000	0.00	0	78,090	0	0	788,211	3,774,920	605,305
2022	715,073	0.000000	0.00	0	64,711	0	0	650,361	4,425,281	453,907
2023	608,964	0.000000	0.00	0	55,257	0	0	553,708	4,978,989	351,246
2024	530,191	0.000000	0.00	0	48,203	0	0	481,987	5,460,976	277,913
2025	469,583	0.000000	0.00	0	42,757	0	0	426,825	5,887,801	223,707
2026	421,443	0.000000	0.00	0	38,420	0	0	383,024	6,270,825	182,483
2027	382,261	0.000000	0.00	0	34,882	0	0	347,379	6,618,204	150,444
2028	349,679	0.000000	0.00	0	31,935	0	0	317,744	6,935,948	125,092
2029	322,259	0.000000	0.00	0	29,451	0	0	292,808	7,228,757	104,790
2030	298,837	0.000000	0.00	0	27,327	0	0	271,510	7,500,267	88,330
2031	278,587	0.000000	0.00	0	25,489	0	0	253,099	7,753,365	74,852
2032	260,869	0.000000	0.00	0	23,879	0	0	236,990	7,990,356	63,714
2033	245,295	0.000000	0.00	0	22,462	0	0	222,832	8,213,188	54,460
2034	231,480	0.000000	0.00	0	11,088	0	0	220,392	8,433,580	48,966
2035	219,138	0.000000	0.00	0	10,499	0	0	208,639	8,642,219	42,139
2036	208,020	0.000000	0.00	0	9,968	0	0	198,052	8,840,271	36,364
2037	197,992	0.000000	0.00	0	9,488	0	0	188,503	9,028,774	31,464
Subtotal:	9,882,809			0	854,036	0	0	9,028,774		5,643,918
Remaining:	1,544,231	0.000000	0.00	0	74,142	0	0	1,470,090	1,470,090	156,954
Total:	11,427,041			0	928,177	0	0	10,498,864	10,498,864	5,800,872

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:	
		Di [Nominal]	b	Qa [Units/Mo]					5,800,872	
Apr-2018	3083.3	0.581	1.000	170.1	185886	Sep-2047	Oil [bbls]	20% NPV [\$]:	4,254,553	
Apr-2018	17895.6	1.231	0.975	456.2	620620	Apr-2047	Gas [mcf]	30% NPV [\$]:	3,483,728	
								Last Production:	Sep-2047	
								Investment [\$]:	0	
								Payout [Years]:	0.00	
								ROI:	0.00	
								IRR [%]:	400.00	

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Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
11/19/2018 10:29:15 AM

NDIC File No: **29579** API No: **33-053-06337-00-00** County: **MCKENZIE** CTB No: **220683**
 Well Type: **OG** Well Status: **A** Status Date: **4/15/2018** Wellbore type: **HORIZONTAL**
 Location: **LOT2 1-150-98** Footages: **300 FNL 1470 FEL** Latitude: **47.846753** Longitude:
-103.160296

Lateral 1 Start Coordinates **78 S 80 W** From Wellhead, End Coordinates **9994 S 73 W** From
 Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**

Original Operator: **XTO ENERGY INC.**

Current Well Name: **SATTER 31X-1CXD**

Original Well Name: **SATTER 31X-1G2**

Elevation(s): **2121 KB 2097 GR 2097 GL** Total Depth: **20806** Field: **SIVERSTON**

Spud Date(s): **3/14/2015**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **20683** Well Name: **SATTER 31-1SWH** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29576** Well Name: **SATTER 31X-1H** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29577** Well Name: **SATTER 31X-1D** Well Confidential: **No** Formation Tops Available: **No**

NDIC File No: **29578** Well Name: **SATTER 31X-1G2** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL.las** 4.1MB, **CBL** 15.7MB, **CIL.las** 3.8MB, **CIL** 8.4MB, **DGWD.las** 75KB, **DGWD** 2.2MB, **DTSM1.las** 109KB, **DTSM1** 3.3MB, **DTSM2.las** 954KB, **DTSM2** 6.1MB

Casing String(s): **9.625" 2070' 7" 11292'**

Completion Data

Pool: **BAKKEN** Perfs: **11292-20806** Comp Dt: **8/30/2015** Status: **AL** Status Dt: **9/13/2016** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **130276** Cum MCF Gas: **404325** Cum Water: **82957**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

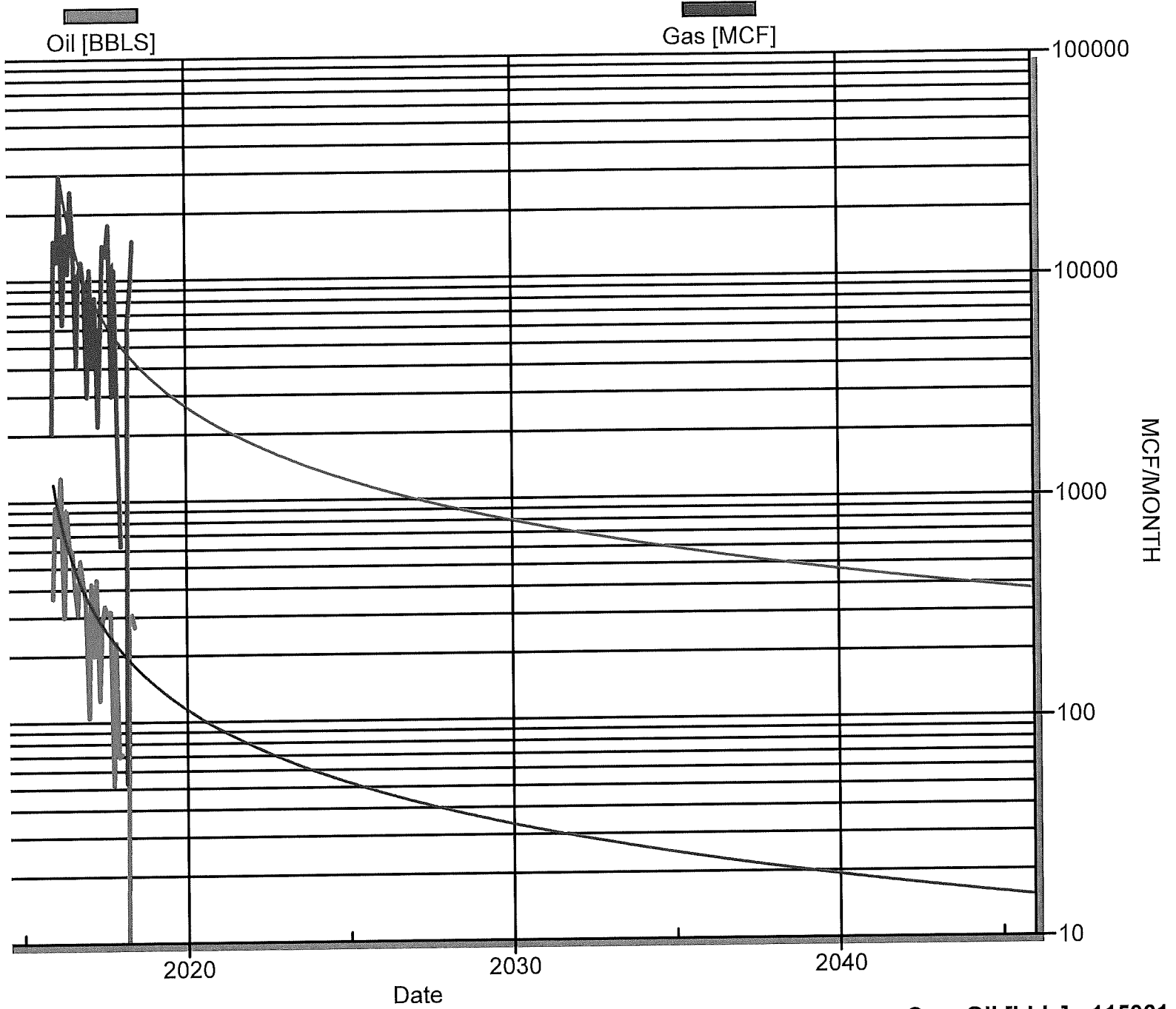
IP Test Date: **12/17/2015** Pool: **BAKKEN** IP Oil: **1270** IP MCF: **2145** IP Water: **886**

Cores and Samples

Type: **DC** Top: **9300** Bottom: **13500**

Satter 31X-1CXD (29579)

McKenzie COUNTY,



Cum Oil [bbls]: 115921
Cum Gas [mcf]: 294220
Cum Water [bbls]: 0

Tract 17F

Economic Report (20 Year)

Lease: Satter 31X-1CXD (29579)
 Owner: Royalty Owner
 County: McKenzie
 State:
 Date: 11-Apr-2019
 Time: 13:44:41

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	6,264	100.000000	6,264	57.00	357,022	14,982	100.000000	14,982	3.00	44,946
2019	15,612	100.000000	15,612	57.00	889,861	37,019	100.000000	37,019	3.00	111,058
2020	12,333	100.000000	12,333	57.00	702,961	29,038	100.000000	29,038	3.00	87,113
2021	10,179	100.000000	10,179	57.00	580,181	23,902	100.000000	23,902	3.00	71,705
2022	8,655	100.000000	8,655	57.00	493,363	20,314	100.000000	20,314	3.00	60,942
2023	7,522	100.000000	7,522	57.00	428,753	17,664	100.000000	17,664	3.00	52,992
2024	6,644	100.000000	6,644	57.00	378,731	15,622	100.000000	15,622	3.00	46,867
2025	5,948	100.000000	5,948	57.00	339,024	14,007	100.000000	14,007	3.00	42,020
2026	5,381	100.000000	5,381	57.00	306,718	12,695	100.000000	12,695	3.00	38,084
2027	4,911	100.000000	4,911	57.00	279,920	11,607	100.000000	11,607	3.00	34,822
2028	4,514	100.000000	4,514	57.00	257,293	10,690	100.000000	10,690	3.00	32,070
2029	4,176	100.000000	4,176	57.00	238,011	9,908	100.000000	9,908	3.00	29,725
2030	3,884	100.000000	3,884	57.00	221,368	9,233	100.000000	9,233	3.00	27,700
2031	3,629	100.000000	3,629	57.00	206,854	8,645	100.000000	8,645	3.00	25,934
2032	3,405	100.000000	3,405	57.00	194,060	8,125	100.000000	8,125	3.00	24,376
2033	3,206	100.000000	3,206	57.00	182,743	7,666	100.000000	7,666	3.00	22,997
2034	3,029	100.000000	3,029	57.00	172,650	7,256	100.000000	7,256	3.00	21,767
2035	2,870	100.000000	2,870	57.00	163,590	6,887	100.000000	6,887	3.00	20,661
2036	2,726	100.000000	2,726	57.00	155,395	6,553	100.000000	6,553	3.00	19,660
2037	2,596	100.000000	2,596	57.00	147,978	6,251	100.000000	6,251	3.00	18,754
Subtotal:	117,482		117,482		6,696,476	278,064		278,064		834,193
Remaining:	20,921	100.000000	20,921	57.00	1,192,492	50,431	100.000000	50,431	3.00	151,294
Total:	138,403		138,403		7,888,968	328,496		328,496		985,487

Date	Total Net Revenue [\$]	Working Int [%]	WI Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	401,968	0.000000	0.00	0	37,200	0	0	384,767	384,767	360,555
2019	1,000,919	0.000000	0.00	0	92,688	0	0	908,231	1,272,998	844,290
2020	790,075	0.000000	0.00	0	73,200	0	0	716,875	1,989,873	605,572
2021	651,886	0.000000	0.00	0	60,408	0	0	591,478	2,581,351	454,094
2022	554,305	0.000000	0.00	0	51,368	0	0	502,938	3,084,288	350,948
2023	481,745	0.000000	0.00	0	44,642	0	0	437,103	3,521,391	277,240
2024	425,598	0.000000	0.00	0	39,435	0	0	386,162	3,907,554	222,638
2025	381,043	0.000000	0.00	0	35,303	0	0	345,740	4,253,294	181,195
2026	344,802	0.000000	0.00	0	31,941	0	0	312,861	4,566,155	149,047
2027	314,743	0.000000	0.00	0	29,153	0	0	285,590	4,851,744	123,678
2028	289,363	0.000000	0.00	0	26,798	0	0	262,565	5,114,309	103,365
2029	267,736	0.000000	0.00	0	24,792	0	0	242,944	5,357,253	86,942
2030	249,069	0.000000	0.00	0	23,060	0	0	226,008	5,583,262	73,526
2031	232,788	0.000000	0.00	0	15,599	0	0	217,189	5,800,450	64,195
2032	218,436	0.000000	0.00	0	10,516	0	0	207,921	6,008,371	55,898
2033	205,740	0.000000	0.00	0	9,904	0	0	195,836	6,204,207	47,862
2034	194,416	0.000000	0.00	0	9,358	0	0	185,058	6,389,266	41,115
2035	184,251	0.000000	0.00	0	8,868	0	0	175,383	6,564,648	35,422
2036	175,056	0.000000	0.00	0	8,425	0	0	166,631	6,731,279	30,595
2037	166,731	0.000000	0.00	0	8,024	0	0	158,707	6,889,986	26,490
Subtotal:	7,530,669			0	640,683	0	0	6,889,986		4,134,669
Remaining:	1,343,785	0.000000	0.00	0	64,668	0	0	1,279,118	1,279,118	134,780
Total:	8,874,455			0	705,351	0	0	8,169,104	8,169,104	4,269,449

Decline Parameters Used In Forecast

Start Date	Qi [Units/Mo]	Di [Nominal]	b	Qa [Units/Mo]	Np	End Date	Product	10% NPV [\$]
Dec-2015	11982.6	2.164	0.950	143.3	269724	Jan-2048	Oil [bbls]	4,269,449
Mar-2016	28853.9	2.553	1.000	351.4	612023	Dec-2047	Gas [mcf]	3,032,736
								30% NPV [\$]: 2,433,106
								Last Production: Jan-2048
								Investment [\$]: 0
								Payout [Years]: 0.00
								ROI: 0.00
								IRR [%]: 400.00



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Or Enter API Number:

[Get Scout Ticket Data](#)

Well File Last Modified:
10/31/2018 9:04:39 AM

NDIC File No: **29583** API No: **33-053-06340-00-00** County: **MCKENZIE** CTB No: **229582**
 Well Type: **OG** Well Status: **A** Status Date: **8/1/2015** Wellbore type: **HORIZONTAL**
 Location: **LOT3 1-150-98** Footages: **300 FNL 2570 FWL** Latitude: **47.846776** Longitude:
-103.165225

Lateral 1 Start Coordinates **23 N 21 W** From Wellhead, End Coordinates **9986 S 33 W** From Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**
 Original Operator: **XTO ENERGY INC.**
 Current Well Name: **SATTER 21X-1F**

Original Well Name: **SATTER 21X-1BXC**
 Elevation(s): **2081 KB 2057 GR 2058 GL** Total Depth: **20875** Field: **SIVERSTON**
 Spud Date(s): **10/25/2014**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **29582** Well Name: **SATTER 21X-1C** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29584** Well Name: **SATTER 21X-1B** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL-CIL.las** 3.3MB, **CBL** 14MB, **CIL** 7.8MB, **DGWD.las** 407KB, **DGWD** 12MB, **DTSM1.las** 105KB, **DTSM1** 3.3MB, **DTSM2.las** 874KB, **DTSM2** 6.5MB
 Casing String(s): **9.625" 2181' 7" 11398'**

Completion Data

Pool: **BAKKEN** Perfs: **11398-20875** Comp Dt: **8/1/2015** Status: **AL** Status Dt: **6/27/2016**
 Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **186146** Cum MCF Gas: **415526** Cum Water: **98354**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

IP Test Date: **8/2/2015** Pool: **BAKKEN** IP Oil: **316** IP MCF: **516** IP Water: **787**

Cores and Samples

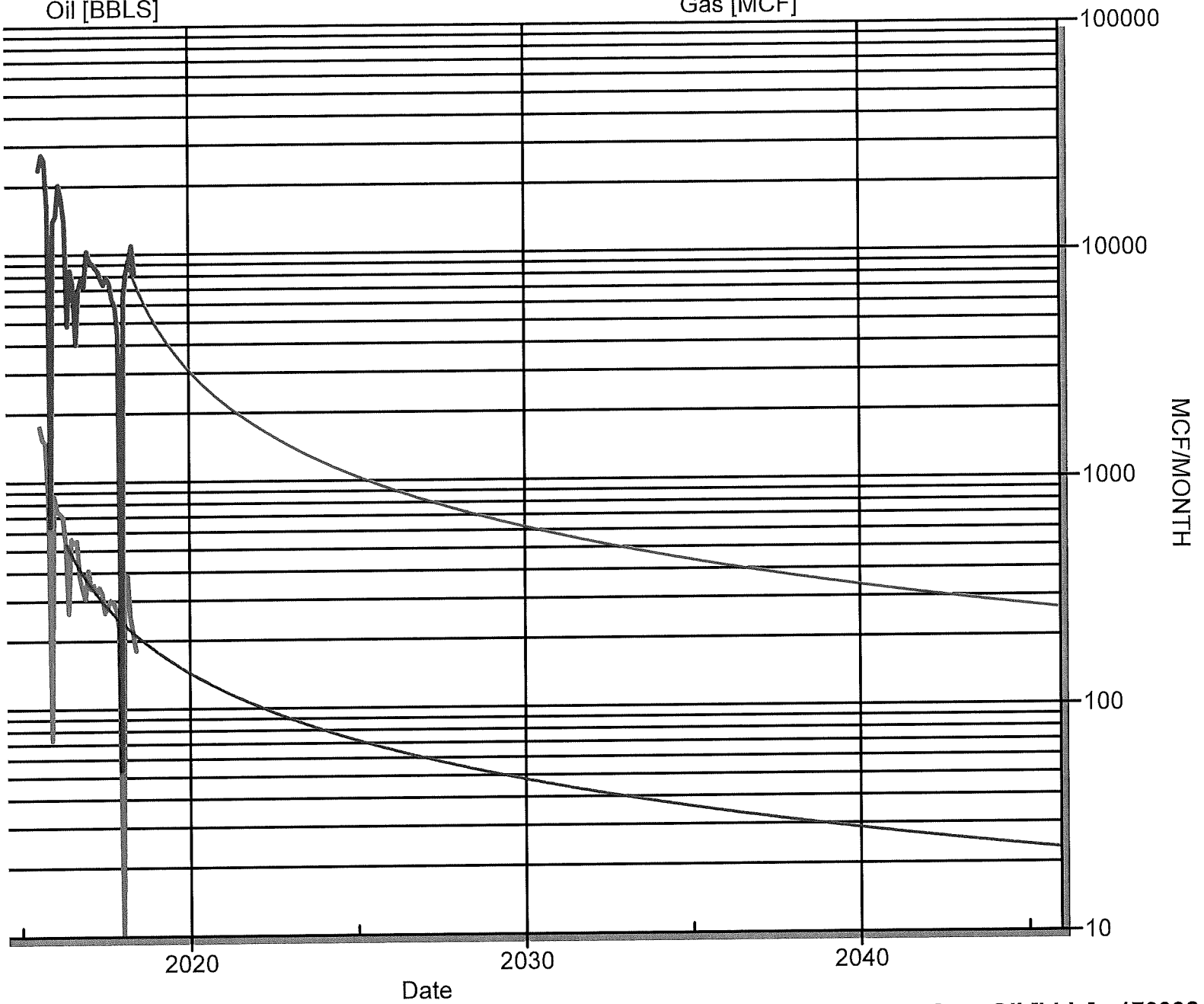
Type: **DC** Top: **9300** Bottom: **13800**
 Type: **DC** Top: **13800** Bottom: **18300**
 Type: **DC** Top: **18300** Bottom: **20875**

Satter 21X-1F (29583)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 173992
Cum Gas [mcf]: 357859
Cum Water [bbls]: 0

Tract 17G

Economic Report (20 Year)

Lease: Satter 21X-1F (29583)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:49:03

Location: Lot 3
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	7,553	100.000000	7,553	57.00	430,527	22,245	100.000000	22,245	3.00	66,734
2019	19,354	100.000000	19,354	57.00	1,103,206	46,906	100.000000	46,906	3.00	140,718
2020	15,789	100.000000	15,789	57.00	899,971	31,593	100.000000	31,593	3.00	94,780
2021	13,338	100.000000	13,338	57.00	760,290	23,761	100.000000	23,761	3.00	71,284
2022	11,548	100.000000	11,548	57.00	658,245	19,005	100.000000	19,005	3.00	57,014
2023	10,182	100.000000	10,182	57.00	580,379	15,811	100.000000	15,811	3.00	47,434
2024	9,103	100.000000	9,103	57.00	518,879	13,517	100.000000	13,517	3.00	40,551
2025	8,232	100.000000	8,232	57.00	469,250	11,797	100.000000	11,797	3.00	35,390
2026	7,514	100.000000	7,514	57.00	428,311	10,458	100.000000	10,458	3.00	31,374
2027	6,911	100.000000	6,911	57.00	393,945	9,387	100.000000	9,387	3.00	28,161
2028	6,397	100.000000	6,397	57.00	364,626	8,509	100.000000	8,509	3.00	25,528
2029	5,955	100.000000	5,955	57.00	339,411	7,780	100.000000	7,780	3.00	23,339
2030	5,570	100.000000	5,570	57.00	317,470	7,163	100.000000	7,163	3.00	21,490
2031	5,231	100.000000	5,231	57.00	298,193	6,635	100.000000	6,635	3.00	19,906
2032	4,931	100.000000	4,931	57.00	281,088	6,178	100.000000	6,178	3.00	18,533
2033	4,664	100.000000	4,664	57.00	265,865	5,778	100.000000	5,778	3.00	17,335
2034	4,425	100.000000	4,425	57.00	252,213	5,426	100.000000	5,426	3.00	16,279
2035	4,209	100.000000	4,209	57.00	239,894	5,114	100.000000	5,114	3.00	15,343
2036	4,012	100.000000	4,012	57.00	228,699	4,835	100.000000	4,835	3.00	14,504
2037	3,834	100.000000	3,834	57.00	218,520	4,584	100.000000	4,584	3.00	13,751
Subtotal:	158,754		158,754		9,048,983	266,482		266,482		799,447
Remaining:	33,278	100.000000	33,278	57.00	1,896,859	38,512	100.000000	38,512	3.00	115,537
Total:	192,032		192,032		10,945,841	304,995		304,995		914,984

Date	Total Net Revenue [\$]	Working Int [%]	Wl Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	497,261	0.000000	0.00	0	45,277	0	0	451,983	451,983	446,766
2019	1,243,924	0.000000	0.00	0	115,011	0	0	1,128,913	1,580,897	1,049,359
2020	994,750	0.000000	0.00	0	93,156	0	0	901,594	2,482,491	761,535
2021	831,574	0.000000	0.00	0	78,405	0	0	753,169	3,235,660	578,176
2022	715,259	0.000000	0.00	0	67,725	0	0	647,534	3,883,194	451,811
2023	627,813	0.000000	0.00	0	59,619	0	0	568,194	4,451,388	360,361
2024	559,430	0.000000	0.00	0	53,240	0	0	506,190	4,957,578	291,821
2025	504,640	0.000000	0.00	0	48,105	0	0	456,535	5,414,113	239,248
2026	459,685	0.000000	0.00	0	43,877	0	0	415,808	5,829,921	198,081
2027	422,106	0.000000	0.00	0	40,333	0	0	381,773	6,211,694	165,325
2028	390,153	0.000000	0.00	0	37,313	0	0	352,840	6,564,534	138,898
2029	362,750	0.000000	0.00	0	34,719	0	0	328,031	6,892,565	117,388
2030	338,960	0.000000	0.00	0	32,463	0	0	306,496	7,199,061	99,707
2031	318,100	0.000000	0.00	0	30,483	0	0	287,617	7,486,678	85,056
2032	299,621	0.000000	0.00	0	28,727	0	0	270,895	7,757,573	72,826
2033	283,200	0.000000	0.00	0	27,164	0	0	256,036	8,013,609	62,573
2034	268,492	0.000000	0.00	0	25,764	0	0	242,728	8,256,337	53,926
2035	255,237	0.000000	0.00	0	24,501	0	0	230,736	8,487,073	46,601
2036	243,203	0.000000	0.00	0	23,353	0	0	219,850	8,706,923	40,365
2037	232,271	0.000000	0.00	0	22,310	0	0	209,961	8,916,883	35,044
Subtotal:	9,848,430			0	931,547	0	0	8,916,883		5,294,868
Remaining:	2,012,396	0.000000	0.00	0	105,717	0	0	1,906,679	1,906,679	195,018
Total:	11,860,826			0	1,037,264	0	0	10,823,562	10,823,562	5,489,886

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:	
		Di [Nominal]	b	Qa [Units/Mo]					5,489,886	3,856,965
May-2016	5342.9	0.744	1.000	212.9	280402	Oct-2048	Oil [bbls]	20% NPV [\$]:	3,076,666	
Mar-2018	9380.4	1.087	0.950	239.8	351540	Oct-2048	Gas [mcf]	30% NPV [\$]:	3,076,666	
								Last Production:	Oct-2048	
								Investment [\$]:	0	
								Payout [Years]:	0.00	
								ROI:	0.00	
								IRR [%]:	400.00	

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Well File Last Modified:
3/8/2019 11:41:39 AM

NDIC File No: **29584** API No: **33-053-06341-00-00** County: **MCKENZIE** CTB No: **229582**
Well Type: **OG** Well Status: **A** Status Date: **7/22/2015** Wellbore type: **HORIZONTAL**
Location: **LOT3 1-150-98** Footages: **300 FNL 2540 FWL** Latitude: **47.846777** Longitude:
-103.165347

Lateral **1** Start Coordinates **123 S 158 W** From Wellhead, End Coordinates **9991 S 888 W** From

Wellhead [Get Survey Data](#)

Current Operator: **XTO ENERGY INC.**

Original Operator: **XTO ENERGY INC.**

Current Well Name: **SATTER 21X-1B**

Original Well Name: **SATTER 21X-1B**

Elevation(s): **2081 KB 2057 GR 2058 GL** Total Depth: **20890** Field: **SIVERSTON**

Spud Date(s): **10/22/2014**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **29582** Well Name: **SATTER 21X-1C** Well Confidential: **No** Formation Tops Available: **Yes**

NDIC File No: **29583** Well Name: **SATTER 21X-1F** Well Confidential: **No** Formation Tops Available: **No**

Digital or Image Log(s) available: **CBL.las** 2.3MB, **CBL** 4.1MB, **CIL.las** 2.3MB, **CIL** 3.2MB, **DGWD.las** 411KB, **DGWD** 11.7MB, **DTSM1.las** 107KB, **DTSM1** 3.4MB, **DTSM2.las** 873KB, **DTSM2** 6.4MB

Formation Tops

K-IK 5373

Casing String(s): **9.625" 2171' 7" 11323'**

Completion Data

Pool: **BAKKEN** Perfs: **11323-20890** Comp Dt: **7/22/2015** Status: **AL** Status Dt: **9/19/2016** Spacing: **2SEC**

Cumulative Production Data [Get Production History](#)

Pool: **BAKKEN** Cum Oil: **239756** Cum MCF Gas: **516593** Cum Water: **84930**

[\[Interactive Performance Curve\]](#) [\[PDF Curve\]](#)

Production Test Data

IP Test Date: **7/23/2015** Pool: **BAKKEN** IP Oil: **2057** IP MCF: **3716** IP Water: **1234**

Cores and Samples

Type: **DC** Top: **9300** Bottom: **13500**

Type: **DC** Top: **13500** Bottom: **18000**

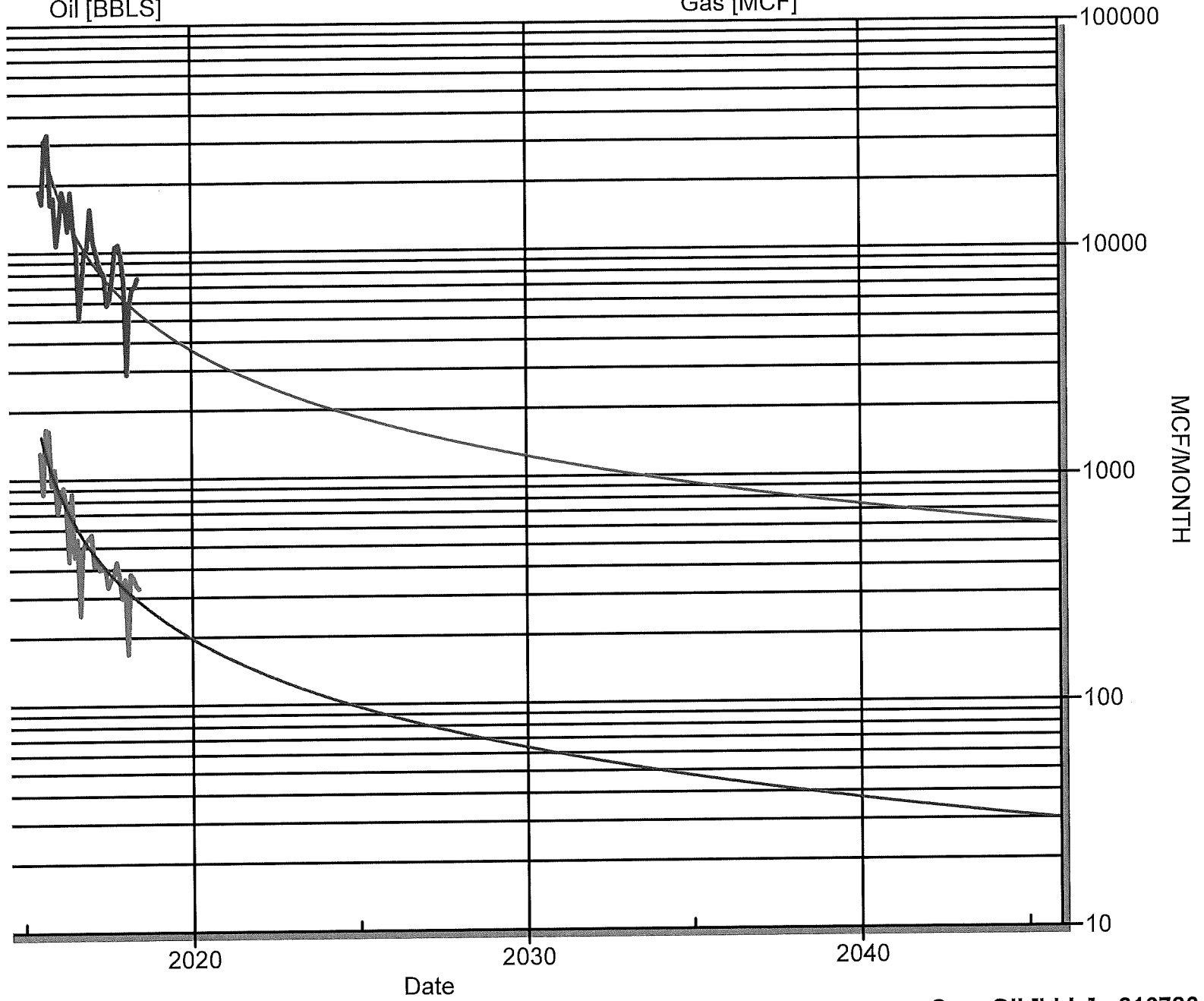
Type: **DC** Top: **18000** Bottom: **20890**

Satter 21X-1B (29584)

McKenzie COUNTY, ND

Oil [BBLs]

Gas [MCF]



Cum Oil [bbls]: 216786
Cum Gas [mcf]: 430670
Cum Water [bbls]: 0

Tract 17H

Economic Report (20 Year)

Lease: Satter 21X-1B (29584)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 13:57:05

Location: Lot 3
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Sep/18	10,326	100.000000	10,326	57.00	588,604	19,462	100.000000	19,462	3.00	58,385
2019	26,470	100.000000	26,470	57.00	1,508,795	49,868	100.000000	49,868	3.00	149,603
2020	21,569	100.000000	21,569	57.00	1,229,407	40,679	100.000000	40,679	3.00	122,038
2021	18,180	100.000000	18,180	57.00	1,036,234	34,365	100.000000	34,365	3.00	103,094
2022	15,696	100.000000	15,696	57.00	894,693	29,752	100.000000	29,752	3.00	89,255
2023	13,799	100.000000	13,799	57.00	786,557	26,232	100.000000	26,232	3.00	78,696
2024	12,301	100.000000	12,301	57.00	701,129	23,452	100.000000	23,452	3.00	70,356
2025	11,092	100.000000	11,092	57.00	632,222	21,209	100.000000	21,209	3.00	63,626
2026	10,095	100.000000	10,095	57.00	575,426	19,358	100.000000	19,358	3.00	58,074
2027	9,260	100.000000	9,260	57.00	527,801	17,805	100.000000	17,805	3.00	53,414
2028	8,548	100.000000	8,548	57.00	487,221	16,480	100.000000	16,480	3.00	49,439
2029	7,936	100.000000	7,936	57.00	452,370	15,340	100.000000	15,340	3.00	46,020
2030	7,405	100.000000	7,405	57.00	422,086	14,348	100.000000	14,348	3.00	43,044
2031	6,939	100.000000	6,939	57.00	395,520	13,477	100.000000	13,477	3.00	40,431
2032	6,526	100.000000	6,526	57.00	371,981	12,704	100.000000	12,704	3.00	38,111
2033	6,159	100.000000	6,159	57.00	351,064	12,016	100.000000	12,016	3.00	36,047
2034	5,830	100.000000	5,830	57.00	332,332	11,399	100.000000	11,399	3.00	34,196
2035	5,534	100.000000	5,534	57.00	315,456	10,842	100.000000	10,842	3.00	32,526
2036	5,266	100.000000	5,266	57.00	300,142	10,336	100.000000	10,336	3.00	31,008
2037	5,022	100.000000	5,022	57.00	286,237	9,876	100.000000	9,876	3.00	29,628
Subtotal:	213,952		213,952		12,195,275	408,997		408,997		1,226,990
Remaining:	41,811	100.000000	41,811	57.00	2,383,252	82,421	100.000000	82,421	3.00	247,262
Total:	255,764		255,764		14,578,527	491,417		491,417		1,474,252

Date	Total Net Revenue [\$]	Working Int [%]	WM Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Sep/18	646,989	0.000000	0.00	0	60,807	0	0	586,182	586,182	579,388
2019	1,658,398	0.000000	0.00	0	155,866	0	0	1,502,532	2,088,714	1,396,325
2020	1,351,445	0.000000	0.00	0	127,009	0	0	1,224,437	3,313,151	1,034,122
2021	1,139,328	0.000000	0.00	0	107,060	0	0	1,032,268	4,345,419	792,389
2022	983,948	0.000000	0.00	0	92,444	0	0	891,504	5,236,922	622,023
2023	865,252	0.000000	0.00	0	81,279	0	0	783,973	6,020,895	497,208
2024	771,485	0.000000	0.00	0	72,458	0	0	699,027	6,719,922	402,992
2025	695,848	0.000000	0.00	0	65,343	0	0	630,505	7,350,427	330,417
2026	633,500	0.000000	0.00	0	59,478	0	0	574,022	7,924,449	273,452
2027	581,215	0.000000	0.00	0	54,561	0	0	526,655	8,451,103	228,066
2028	536,659	0.000000	0.00	0	50,370	0	0	486,289	8,937,392	191,433
2029	498,389	0.000000	0.00	0	46,771	0	0	451,618	9,389,011	161,615
2030	465,130	0.000000	0.00	0	43,643	0	0	421,487	9,810,497	137,116
2031	435,950	0.000000	0.00	0	40,900	0	0	395,051	10,205,548	116,829
2032	410,092	0.000000	0.00	0	38,468	0	0	371,624	10,577,172	99,907
2033	387,111	0.000000	0.00	0	36,308	0	0	350,803	10,927,975	85,734
2034	366,529	0.000000	0.00	0	34,373	0	0	332,155	11,260,130	73,795
2035	347,982	0.000000	0.00	0	32,630	0	0	315,352	11,575,482	63,691
2036	331,150	0.000000	0.00	0	31,048	0	0	300,102	11,875,585	55,100
2037	315,865	0.000000	0.00	0	29,611	0	0	286,254	12,161,838	47,779
Subtotal:	13,422,265			0	1,260,427	0	0	12,161,838		7,189,381
Remaining:	2,630,514	0.000000	0.00	0	218,487	0	0	2,412,026	2,412,026	250,023
Total:	16,052,779			0	1,478,914	0	0	14,573,865	14,573,865	7,439,404

Start Date	Qi [Units/Mo]	Decline Parameters Used In Forecast				Np	End Date	Product	10% NPV [\$]:	7,439,404
		Di [Nominal]	b	Qa [Units/Mo]					20% NPV [\$]:	5,213,649
Jul-2015	15448.6	1.429	0.950	277.1	479841	May-2048	Oil [bbls]	30% NPV [\$]:	4,145,554	
Aug-2015	31220.8	1.687	1.000	555.9	909467	Apr-2048	Gas [mcf]	Last Production:	May-2048	
								Investment [\$]:	0	
								Payout [Years]:	0.00	
								ROI:	0.00	
								IRR [%]:	400.00	

Related Links

Premium Services
Code Definitions
Digital & Image Logs
Map This Well

Get Well Scout Ticket Data



Enter File Number:

Or Enter API Number:

[Get Scout Ticket Data](#)

NDIC File No: **35044** API No: **33-053-08570-00-00** County: **MCKENZIE**
 Well Type: **ON CONFIDENTIAL STATUS**
 Location: **LOT3 6-150-97** Footages: **300 FNL 1505 FWL** Latitude: **47.846713** Longitude: **-103.148171**



Current Operator: **XTO ENERGY INC.**
 Original Operator: **XTO ENERGY INC.**
 Current Well Name: **JOHNSON TRUST FEDERAL 21X-6AXD**
 Original Well Name: **JOHNSON TRUST FEDERAL 21X-6EXH-S**
 Elevation: **2154 GL**

Field: **SIVERSTON**

Other Wells on The Same Multi-Well Pad:

NDIC File No: **35046** Well Name: **JOHNSON TRUST FEDERAL 21X-6E** Well Confidential:
Yes Formation Tops Available: **No**

NDIC File No: **35047** Well Name: **JOHNSON TRUST FEDERAL 21X-6EXH-N** Well
 Confidential: **Yes** Formation Tops Available: **No**

NDIC File No: **35048** Well Name: **JOHNSON TRUST FEDERAL 21X-6F** Well Confidential:
Yes Formation Tops Available: **No**

NDIC File No: **35049** Well Name: **JOHNSON TRUST FEDERAL 21X-6B** Well Confidential:
Yes Formation Tops Available: **No**

Proxy Well for Tract 18

Economic Report (20 Year)

Lease: Satter 31X-1D (29577)
 Owner: Royalty Owner
 County: McKenzie
 State: ND
 Date: 11-Apr-2019
 Time: 14:31:27

Location: Lot 2
 Section: 1
 Township: 150N
 Range: 98W

Field: Siverston
 Reservoir: Bakken Pool
 API:

Date	Oil [BBLs]	Revenue Int. - Oil [%]	Net Oil [bbbls]	Oil Price [\$/BBL]	Net Oil Revenue [\$]	Gas [MCF]	Revenue Int. - Gas [%]	Net Gas [mcf]	Gas Price [\$/mcf]	Net Gas Revenue [\$]
Dec/15	14,491	100.000000	14,491	57.00	826,011	30,045	100.000000	30,045	3.00	90,136
2016	65,639	100.000000	65,639	57.00	3,741,421	130,028	100.000000	130,028	3.00	390,083
2017	28,553	100.000000	28,553	57.00	1,627,513	69,170	100.000000	69,170	3.00	207,511
2018	19,416	100.000000	19,416	57.00	1,106,730	56,516	100.000000	56,516	3.00	169,547
2019	14,988	100.000000	14,988	57.00	854,325	40,921	100.000000	40,921	3.00	122,763
2020	12,320	100.000000	12,320	57.00	702,224	32,372	100.000000	32,372	3.00	97,117
2021	10,524	100.000000	10,524	57.00	599,884	26,937	100.000000	26,937	3.00	80,812
2022	9,225	100.000000	9,225	57.00	525,800	23,153	100.000000	23,153	3.00	69,458
2023	8,236	100.000000	8,236	57.00	469,427	20,354	100.000000	20,354	3.00	61,062
2024	7,454	100.000000	7,454	57.00	424,868	18,190	100.000000	18,190	3.00	54,571
2025	6,821	100.000000	6,821	57.00	388,805	16,471	100.000000	16,471	3.00	49,412
2026	6,297	100.000000	6,297	57.00	358,930	15,067	100.000000	15,067	3.00	45,201
2027	5,855	100.000000	5,855	57.00	333,727	13,898	100.000000	13,898	3.00	41,694
2028	5,476	100.000000	5,476	57.00	312,107	12,906	100.000000	12,906	3.00	38,717
2029	5,147	100.000000	5,147	57.00	293,406	12,056	100.000000	12,056	3.00	36,168
2030	4,860	100.000000	4,860	57.00	277,036	11,318	100.000000	11,318	3.00	33,955
2031	4,606	100.000000	4,606	57.00	262,570	10,671	100.000000	10,671	3.00	32,014
2032	4,380	100.000000	4,380	57.00	249,656	10,098	100.000000	10,098	3.00	30,293
2033	4,177	100.000000	4,177	57.00	238,095	9,588	100.000000	9,588	3.00	28,763
2034	3,994	100.000000	3,994	57.00	227,666	9,130	100.000000	9,130	3.00	27,390
Subtotal:	242,460		242,460		13,820,200	568,889		568,889		1,706,667
Remaining:	40,713	100.000000	40,713	57.00	2,320,647	91,178	100.000000	91,178	3.00	273,535
Total:	283,173		283,173		16,140,847	660,067		660,067		1,980,202

Date	Total Net Revenue [\$]	Working Int [%]	WM Well Count	Net Oper Exp [\$]	Net Taxes [\$]	Net Invest [\$]	Net Salvage [\$]	Net Cash Flow [\$]	Cum Cash Flow [\$]	10% NPV [\$]
Dec/15	916,147	0.000000	0.00	0	85,606	0	0	830,542	830,542	830,542
2016	4,131,504	0.000000	0.00	0	387,145	0	0	3,744,359	4,574,901	3,594,080
2017	1,835,024	0.000000	0.00	0	169,668	0	0	1,665,356	6,240,257	1,442,922
2018	1,276,277	0.000000	0.00	0	116,325	0	0	1,159,953	7,400,210	913,000
2019	977,088	0.000000	0.00	0	89,525	0	0	887,563	8,287,773	634,655
2020	799,341	0.000000	0.00	0	73,460	0	0	725,881	9,013,654	471,677
2021	680,697	0.000000	0.00	0	62,682	0	0	618,014	9,631,669	364,986
2022	595,258	0.000000	0.00	0	54,895	0	0	540,362	10,172,031	290,064
2023	530,489	0.000000	0.00	0	48,978	0	0	481,511	10,653,542	234,946
2024	479,439	0.000000	0.00	0	44,306	0	0	435,133	11,088,675	192,996
2025	438,217	0.000000	0.00	0	40,528	0	0	397,689	11,486,364	160,340
2026	404,131	0.000000	0.00	0	37,400	0	0	366,732	11,853,095	134,409
2027	375,420	0.000000	0.00	0	34,762	0	0	340,658	12,193,753	113,497
2028	350,824	0.000000	0.00	0	32,501	0	0	318,323	12,512,076	96,410
2029	329,574	0.000000	0.00	0	30,546	0	0	299,027	12,811,104	82,329
2030	310,991	0.000000	0.00	0	28,835	0	0	282,156	13,093,259	70,620
2031	294,584	0.000000	0.00	0	27,324	0	0	267,260	13,360,519	60,809
2032	279,949	0.000000	0.00	0	25,975	0	0	253,974	13,614,493	52,531
2033	266,857	0.000000	0.00	0	24,768	0	0	242,089	13,856,582	45,520
2034	255,056	0.000000	0.00	0	23,680	0	0	231,376	14,087,958	39,550
Subtotal:	15,526,867			0	1,438,909	0	0	14,087,958		9,825,881
Remaining:	2,594,182	0.000000	0.00	0	143,091	0	0	2,451,091	2,451,091	237,845
Total:	18,121,050			0	1,582,000	0	0	16,539,050	16,539,050	10,063,726

Start Date	Qi [Units/Mo]	Di [Nominal]	Decline Parameters Used In Forecast			Np	End Date	Product	10% NPV [\$]
			b	Qa [Units/Mo]					10,063,726
Dec-2015	14491.4	4.434	1.225	214.1	283173	Dec-2047	Oil [bbls]	20% NPV [\$]: 8,006,613	
Aug-2017	7079.5	0.618	1.150	467.0	464940	Apr-2048	Gas [mcf]	30% NPV [\$]: 6,954,945	
Dec-2015	30045.4	5.165	1.325	4701.3	197000	Jul-2017	Gas [mcf]	Last Production: Dec-2047	
								Investment [\$]: 0	
								Payout [Years]: 0.00	
								ROI: 0.00	
								IRR [%]: 400.00	

XTO Energy Inc.
110 West 7th Street
Fort Worth, TX 76102-7108

XTO ENERGY INC.
WHEN INQUIRING, REFER TO YOUR OWNER NO., PROPERTY DOI NO., CHECK DATE
1-866-886-2613 EMAIL: revenue_inquiry@xtoenergy.com
XTO ENERGY, INC. ACTING ON BEHALF OF ITSELF AND/OR ITS AFFILIATES

PAGE 1 OF 4

0119406 01 RE 0.560 **SNGLP T7 0 2445 58854 -P19425 C01



ALLEN JOHNSON REV TR AMENDED AND
RESTATED 09/22/2016
DEAN BROWN SUCC TTEE
3142 23RD HWY
WATFORD CITY ND 58854



***** STATEMENT DETAILS ENCLOSED *****

Oil/Gas Payment Statement
SHOULD BE RETAINED FOR TAX PURPOSES

12/24/2019 CHECK DATE	1000570171 CHECK #	30401905 OWNER NO.	\$2,000.96 GROSS VALUE	\$184.92- TAXES	\$235.45- DEDUCTIONS	\$1,580.59 NET PAYMENT
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XTO ENERGY INC. BELIEVES THAT THE PAYMENTS COVERED BY THIS CHECK HAVE BEEN CALCULATED APPROPRIATELY. HOWEVER, IF A MISTAKE IS IDENTIFIED THEN XTO ENERGY INC. MAY CORRECT THE PAYMENT. XTO ENERGY INC. DOES NOT WAIVE AND EXPLICITLY RESERVES ALL LEGAL RIGHTS, DEFENSES, AND CLAIMS PERTAINING TO ROYALTY UNDER THE APPLICABLE LEASE(S).

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

XTO ENERGY INC.
 WHEN INQUIRING, REFER TO YOUR OWNER NO., PROPERTY DOI NO., CHECK DATE
 1-866-886-2613 EMAIL: revenue_inquiry@xtoenergy.com
 XTO ENERGY, INC. ACTING ON BEHALF OF ITSELF AND/OR ITS AFFILIATES

OWNER AND NAME COUNTY, STATE				COMMENTS						
PARCELS				OWNER INFORMATION AND TOTALS						
PARCEL OR	TAXES	DEDUCTIONS	NET VALUE	DOI DECIMAL	VOLUME	VALUE	TAXES	DEDUCTIONS	TAX/DED/OTH TYPE	NET VALUE
1 SWH, MC KENZIE, ND	5256.16-	6695.26-	44940.07	0.00296949	3.08	168.94	15.64-		SEV	133.42
								19.88-	TRN	
1 H, MC KENZIE, ND	6753.30-	8602.31-	57740.43	0.00296949	3.96	217.05	20.08-		SEV	171.42
								25.55-	TRN	
1 D, MC KENZIE, ND	4907.04-	6250.54-	41954.85	0.00296949	2.88	157.72	14.58-		SEV	124.59
								18.55-	TRN	
1 G2, MC KENZIE, ND	5425.92-	6911.54-	46391.70	0.00296949	3.18	174.39	16.10-		SEV	137.77
								20.52-	TRN	
1 CXD, MC KENZIE, ND	6223.00-	7926.83-	53206.59	0.00296949	3.65	200.02	18.48-		SEV	158.02
								23.52-	TRN	
1 C, MC KENZIE, ND	8201.44-	10446.99-	70122.25	0.00296949	4.81	263.61	24.38-		SEV	208.21
								31.02-	TRN	
1 F, MC KENZIE, ND	7186.14-	9153.68-	61441.49	0.00296949	4.21	230.97	21.32-		SEV	182.47
								27.18-	TRN	
1 B, MC KENZIE, ND	18302.58-	23313.78-	156486.79	0.00296949	10.72	588.26	54.34-		SEV	464.69
								69.23-	TRN	

30401905 OWNER NO.

\$2,000.96 GROSS VALUE	\$184.92- TAXES	\$235.45- DEDUCTIONS	\$1,580.59 NET PAYMENT
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BY THIS CHECK HAVE BEEN CALCULATED APPROPRIATELY. HOWEVER, IF A MISTAKE IS IDENTIFIED THEN XTO ENERGY INC. MAY CORRECT THE PAYMENT. XTO ENERGY INC. DOES NOT
 ENSES, AND CLAIMS PERTAINING TO ROYALTY UNDER THE APPLICABLE LEASE(S).



PRODUCTION TYPE / DESCRIPTION / MEASUREMENT

CO2	CARBON DIOXIDE	MCF
CON	CONDENSATE	BARRELS
DRP	DRIP CONDENSATE	BARRELS
FLA	UPSTREAM FUEL	MCF
FLB	DOWNSTREAM FUEL	MCF
FLR	FLARE	MCF
GAS	NATURAL GAS	MCF
GML	GAS USED IN MANUFACTURE OF LIQUIDS	MCF
HEL	HELIUM	MCF
L&U	LOSS AND UNACCOUNTED FOR	MCF
LNG	LIQUEFIED NATURAL GAS	MCF
NGL	NATURAL GAS LIQUIDS	GALLONS
OIL	CRUDE OIL	BARRELS
RES	RESIDUE	MCF
SUL	SULPHUR	MCF

DEDUCTION TYPES

COM	COMPRESSION
DEH	DEHYDRATION
FLA	UPSTREAM FUEL
FLB	DOWNSTREAM FUEL
GAT	GATHERING
L&U	LOSS AND UNACCOUNTED FOR
MKT	MARKETING
OTH	OTHER
PRO	PROCESSING
RTU	ROYALTY TRUE UP
TRN	TRANSPORTATION
TRT	TREATING/CONDITIONING

INTEREST TYPES

OC	EXCESS ROYALTY
OR	OVERRIDING ROYALTY INTEREST
PP	PRODUCTION PAYMENT
RI	ROYALTY INTEREST
WI	WORKING INTEREST

TAX TYPES

ADV	AD VALOREM TAX
CA	CALIFORNIA STATE TAX WITHHOLDING
CO	COLORADO STATE MINERAL TAX WITHHOLDING
CON	CONSERVATION TAX
ENV	ENVIRONMENTAL TAX (CLEAN UP FEE)
FED	FEDERAL BACKUP TAX WITHHOLDING
IND	INDIAN TAX
MT	MONTANA STATE TAX WITHHOLDING
ND	NORTH DAKOTA STATE TAX WITHHOLDING
NM	NEW MEXICO STATE TAX WITHHOLDING
NRA	FEDERAL NON-RESIDENT ALIEN
OK	OKLAHOMA STATE TAX WITHHOLDING
PA	PENNSYLVANIA STATE TAX WITHHOLDING
SCH	SCHOOL TAX (NM)
SEV	SEVERANCE TAX
UT	UTAH STATE MINERAL TAX WITHHOLDING

OTHER PAYMENT TYPES

INT	INTEREST PAID
MIS	MISCELLANEOUS
SML	SETTLEMENT

CHECK STUB MESSAGES

[HTTPS://WWW.XTOENERGY.COM/](https://www.xtoenergy.com/)
 - CLICK ON INTEREST OWNER RELATIONS LINK AT THE TOP
 - VIEW AND PRINT CHECK AND PAYMENT HISTORY
 - ACCESS DIRECT DEPOSIT, CHANGE OF ADDRESS, AND 1099 FORMS
 - FIND ANSWERS TO FREQUENTLY ASKED QUESTIONS
 FOR FURTHER INFORMATION PLEASE CONTACT US AT REVENUE_INQUIRY@XTOENERGY.COM