

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-30765
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator XTO Energy Inc.		6. State Oil & Gas Lease No. CA: NMNM108259
3. Address of Operator 382 CR 3100 Aztec, NM 87410		7. Lease Name or Unit Agreement Name Golden Bear
4. Well Location Unit Letter <u>G</u> : <u>1420</u> feet from the <u>North</u> line and <u>1850</u> feet from the <u>East</u> line Section <u>02</u> Township <u>29N</u> Range <u>13W</u> NMPM County <u>San Juan</u>		8. Well Number <u>05</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5473' GR		9. OGRID Number 5380
		10. Pool name or Wildcat Basin Fruitland Coal

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy Inc. proposes to plug and abandon this well per the attached procedure. Please see also the attached current and proposed wellbore diagrams for additional information. XTO will be using a Closed Loop System.

Notify NMOCD 24 hrs
prior to beginning
operations

OIL CONS. DIV DIST. 3

JUL 31 2015

COA: Place Fruitland plug from 990 to 1090

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Rhonda Smith

TITLE Regulatory Clerk

DATE 07/28/15

Type or print name Rhonda Smith

E-mail address: rhonda_smith@xtoenergy.com

PHONE: 505-333-3215

For State Use Only

APPROVED BY:

[Signature]

TITLE

DEPUTY OIL & GAS INSPECTOR
DISTRICT #3

DATE

8/13/15

Conditions of Approval (if any):

AV

Golden Bear #5
Sec 2, T 29 N, R 13 W
San Juan County, New Mexico
5/6/2015

Plug and Abandon Procedure

AFE Number: 1503199

Spud Date: 4/29/2002

Surface Casing: 7", 20#, J-55 csg @ 161'. Cmt'd w/75 sx. Circ 3 bbls cmt to surf.

Production Casing: 4-1/2", 10.5#, J-55 csg @ 1,574'. Cmt'd w/190 sx. Circ 11 bbls cmt to surf.
Capacity: .0159 bbls/ft or .6699 gal/ft

Production Tubing: 2-3/8" string

Rod String: 3/4" string

Pump: 1-1/2" insert pump

Perforations: Fruitland Coal: 1,384' – 1,395'

PBTD: 1,551'

Recent Production: INA since 3/31/2015. 32 mcfpd, 10 bwpd.

Notify NMOCD & BLM 24 hours prior to beginning plugging operations

1. Check for COA's and approved NOI before beginning operations.
2. Test rig anchors.
3. Set flowback tank.
4. MIRU completion rig. Review JSA.
5. Kill well.
6. TOH & LD rods and pump.
7. ND WH. NU & FT BOP.
8. TOH tubing.
9. TIH 3-7/8" bit & 3-7/8" string mill to 1,384'. TOH.
10. TIH 4-1/2" CR and set @ $\pm 1,350'$. PT tubing. Sting out of CR and circulate hole clean.

11. PT casing and CR to 550 psig. If casing does not test, contact engineer.
12. MIRU cement truck. Review JSA.
13. **Perforation Isolation Plug (1,350' – 1,300')**: Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,350' – 1,300' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (1,142' – 1,042')**: Pump 12 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,142' – 1,042' (volume calculated with 50' excess).
15. **Surface Plug (211' – Surface)**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 211' – surface (volume calculated with 50' excess).
16. TOH & LD tubing.
17. RDMO cement truck.
18. WOC 4 hours.
19. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
20. Cut off anchors and reclaim location.

Checklist

Regulatory:

1. NOI to P&A
2. Submit a post-work sundry which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment:

1. 1 flowback tank
2. If tbg does not PT, 1,400' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 40 sx Class "B" cement
6. 1 above ground marker

Services:

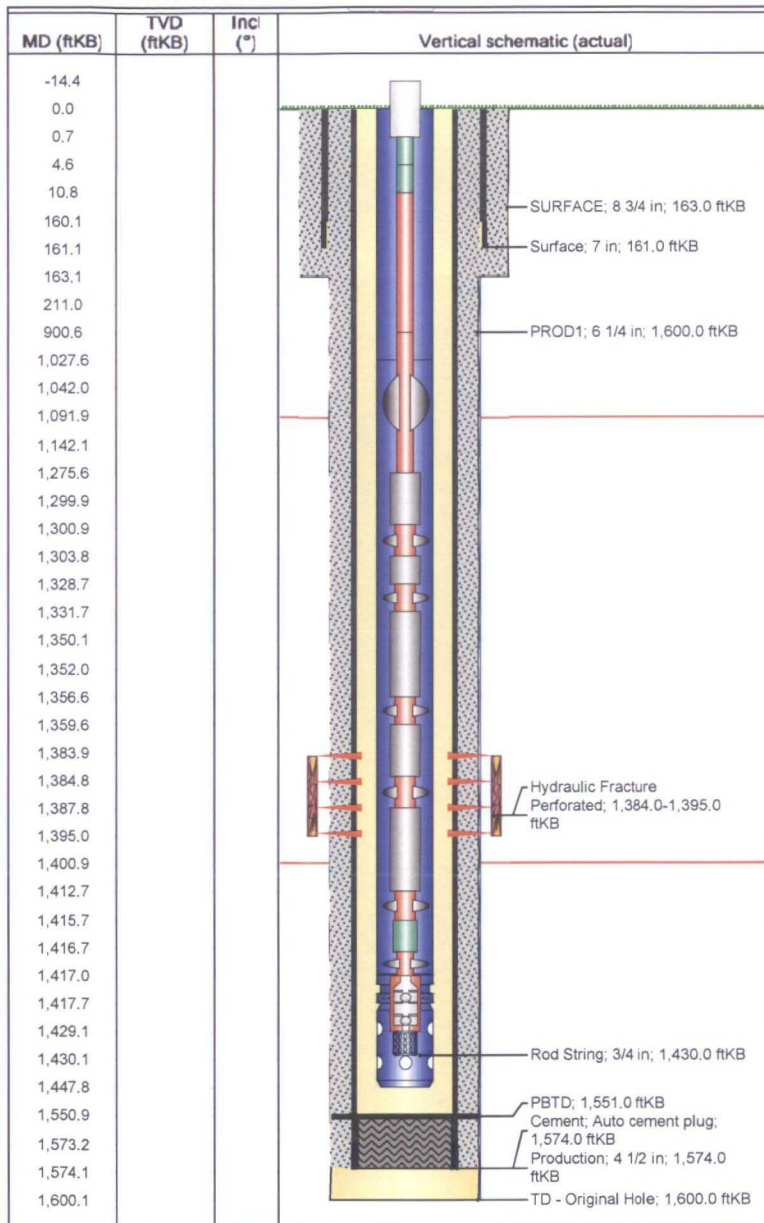
1. Completion rig
2. Cement truck



Downhole Well Profile - with Schematic

Well Name: Golden Bear 05

API/UWI 30045307650000	XTO Accounting ID 68049	Permit Number	State/Province New Mexico	County San Juan
Location T29N-R13W-S02	Spud Date 4/29/2002 00:00	Original KB Elevation (ft) 5,473.00	Ground/Corrected Ground Elevation (ft) 5,473.00	KB-Ground Distance (ft) 0.00



Wellbores				
Wellbore Name Original Hole		Parent Wellbore Original Hole		Wellbore API/UWI 30045307650000
Start Depth (ftKB) 0.0		Profile Type		Kick Off Depth (ftKB)
Section Des		Size (in)	Act Top (ftKB)	
SURFACE		8 3/4	0.0	
PROD1		6 1/4	163.0	
Zones				
Zone Name		Top (ftKB)	Btm (ftKB)	
Fruitland Coal		1,384.0	1,395.0	
Casing Strings				
Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	161.0	7	20.00	
Production	1,574.0	4 1/2	10.50	
Cement				
Des		Type		String
Surface Casing Cement		Casing		Surface, 161.0ftKB
Production Casing Cement		Casing		Production, 1,574.0ftKB
Cement Plug - P & A		Plug		Production, 1,574.0ftKB
Cement Plug - P & A		Plug		Production, 1,574.0ftKB
Cement Plug - P & A		Plug		Production, 1,574.0ftKB
Tubing Strings				
Tubing Description Tubing - Production		Run Date 7/23/2014		Set Depth (ftKB) 1,447.7
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts
Tubing	2 3/8	4.70	J-55	32
Tubing	2 3/8	4.70	J-55	12
Pump Seating Nipple	2 3/8			1
OEMA	2 3/8	4.70	J-55	1
Rod Strings				
Rod Description Rod String		Run Date 7/23/2014		Set Depth (ftKB) 1,430.0
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts
Polished Rod	1 1/4			1
Rod Sub	3/4		D	1
Rod Sub	3/4		D	1
Sucker Rod	3/4		D	36
Sucker Rod w/Molded Guides	3/4		D	15
Sinker Bar	1 1/4		K	1
Stabilizer Rod	7/8		D	1
Sinker Bar	1 1/4		K	1
Stabilizer Rod	7/8		D	1
Sinker Bar	1 1/4		K	1



Downhole Well Profile - with Schematic

Well Name: Golden Bear 05

API/UWI 30045307650000	XTO Accounting ID 68049	Permit Number	State/Province New Mexico	County San Juan
Location T29N-R13W-S02	Spud Date 4/29/2002 00:00	Original KB Elevation (ft) 5,473.00	Ground/Corrected Ground Elevation (ft) 5,473.00	KB-Ground Distance (ft) 0.00

MD (ftKB)	TVD (ftKB)	Inc (°)	Vertical schematic (actual)
-14.4			
0.0			
0.7			
4.6			
10.8			
160.1			
161.1			
163.1			
211.0			
900.6			
1,027.6			
1,042.0			
1,091.9			
1,142.1			
1,275.6			
1,299.9			
1,300.9			
1,303.8			
1,328.7			
1,331.7			
1,350.1			
1,352.0			
1,356.6			
1,359.6			
1,383.9			
1,384.8			
1,387.8			
1,395.0			
1,400.9			
1,412.7			
1,415.7			
1,416.7			
1,417.0			
1,417.7			
1,429.1			
1,430.1			
1,447.8			
1,550.9			
1,573.2			
1,574.1			
1,600.1			

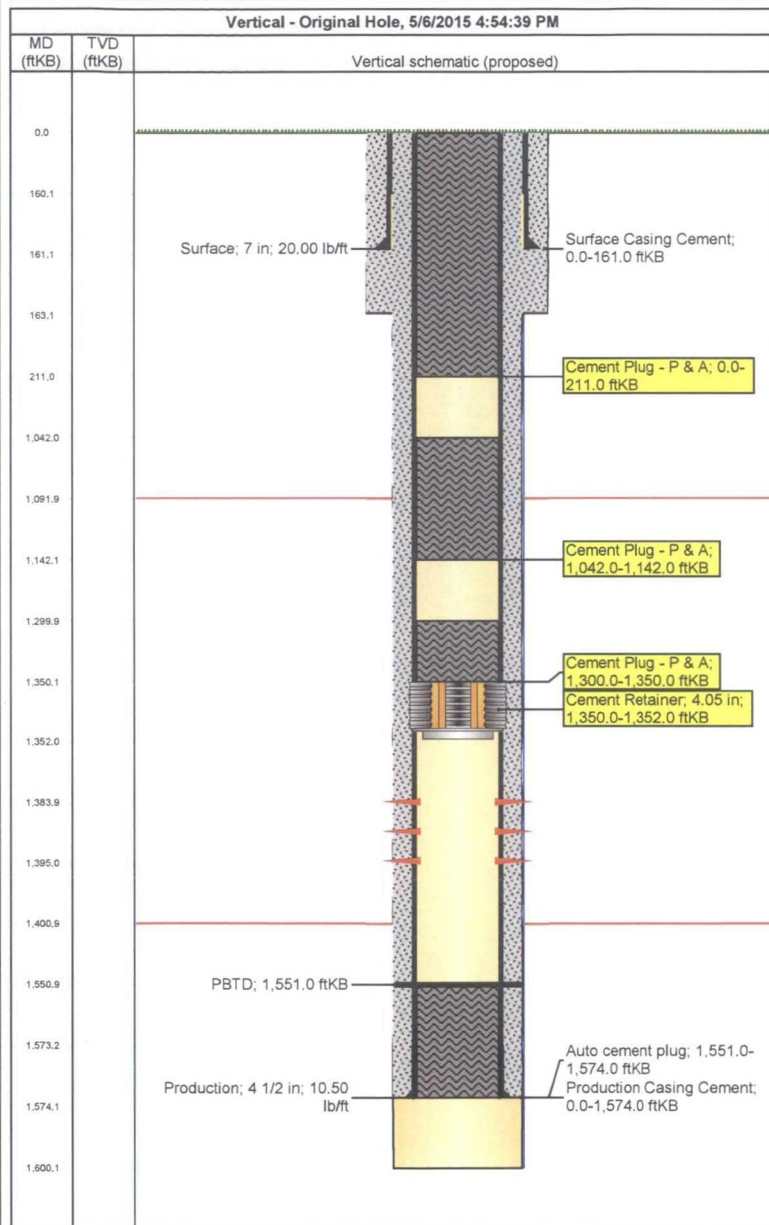
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Stabilizer Rod	7/8		D	1	3.00	1,356.7	1,359.7
Sinker Bar	1 1/4		K	1	25.00	1,359.7	1,384.7
Stabilizer Rod	7/8		D	1	3.00	1,384.7	1,387.7
Sinker Bar	1 1/4		K	1	25.00	1,387.7	1,412.7
Stabilizer Rod	7/8		D	1	3.00	1,412.7	1,415.7
Lift Sub	1			1	1.00	1,415.7	1,416.7
Spiral Rod Guide	3/4			1	0.30	1,416.7	1,417.0
Rod Insert Pump	1 1/4			1	12.00	1,417.0	1,429.0
Strainer Nipple	1			1	1.00	1,429.0	1,430.0
Other In Hole							
Run Date	Des	OD (in)	Top (ftKB)		Btm (ftKB)		
5/6/2015	Cement Retainer	4.052	1,350.0		1,352.0		
Perforations							
Date	Top (ftKB)	Btm (ftKB)	Zone				
7/11/2002	1,384.0	1,395.0	Fruitland Coal, Original Hole				
Stimulations & Treatments							
Frac #	Top Perf (ftKB)	Bottom Perf (ftKB)	AIR (bbl/min)	MIR (bbl/min)	TWP (bbl)	Total Proppant (lb)	
	1384	1395					



XTO - Proposed P&A Wellbore Diagram

Well Name: Golden Bear 05

API/UWI 30045307650000	XTO Accounting ID 68049	Permit Number	State/Province New Mexico	County San Juan
Location T29N-R13W-S02	Spud Date 4/29/2002 00:00	Original KB Elevation (ft) 5,473.00	Ground/Corrected Ground Elevation (ft) 5,473.00	KB-Ground Distance (ft) 0.00



Formations				
Formation Name Kirtland		Final Top MD (ftKB) 0.0	Final Bottom MD (ftKB) 1,092.0	
Formation Name Fruitland Coal		Final Top MD (ftKB) 1,092.0	Final Bottom MD (ftKB) 1,401.0	
Formation Name Pictured Cliffs		Final Top MD (ftKB) 1,401.0	Final Bottom MD (ftKB)	
Wellbores				
Wellbore Name Original Hole		Parent Wellbore Original Hole		
Start Depth (ftKB) 0.0		Profile Type	Kick Off Depth (ftKB)	
Casing Strings				
Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	161.0	7	20.00	
Production	1,574.0	4 1/2	10.50	
Cement				
Des	Type	String	Com	
Surface Casing Cement	Casing	Surface, 161.0ftKB	Cmt'd w/75 sx CL B Cmt. Circ 3 BBLS Cmt to Surf.	
Production Casing Cement	Casing	Production, 1,574.0ftKB	Cmt'd w/190 sx Cmt. Circ 11 BBLS Cmt to Surf.	
Cement Plug - P & A	Plug	Production, 1,574.0ftKB	Plug 1: Pump 8 sx f/1,350' - 1,300'.	
Cement Plug - P & A	Plug	Production, 1,574.0ftKB	Plug 2: Pump 12 sx f/1,142' - 1,042'.	
Cement Plug - P & A	Plug	Production, 1,574.0ftKB	Plug 3: Pump 20 sx f/211' - surf.	
Perforations				
Date	Top (ftKB)	Btm (ftKB)	Zone	
7/11/2002	1,384.0	1,395.0	Fruitland Coal, Original Hole	
Other In Hole				
Des	OD (in)	Top (ftKB)	Btm (ftKB)	
Cement Retainer	4.052	1,350.0	1,352.0	