

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

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

WELL API NO. 30-045-31175
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: BLACKHILLS 16
8. Well Number 03
9. OGRID Number 5380
10. Pool name or Wildcat BASIN FRUITLAND COAL

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name: BLACKHILLS 16
2. Name of Operator XTO Energy Inc.	8. Well Number 03
3. Address of Operator 382 CR 3100 Aztec, NEW MEXICO 87410	9. OGRID Number 5380
4. Well Location Unit Letter A : 715 feet from the NORTH line and 715 feet from the EAST line Section 16 Township 26N Range 13W NMPM County SAN JUAN	10. Pool name or Wildcat BASIN FRUITLAND COAL
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6256' GR	

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 ☐

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 1103. 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, current and proposed wellbore diagrams, and will be using a Closed Loop System.

Notify NMOCD 24 hrs
prior to beginning
operations

OIL CONS. DIV DIST. 3

JUN 01 2015

Move Fruitland plug to 1042-1142

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 Kristen D. Lynch TITLE REGULATORY ANALYST DATE 5/29/15

Type or print name KRISTEN D. LYNCH E-mail address: kristen_lynch@xtoenergy.com PHONE 505-333-3206

For State Use Only

APPROVED BY Red Bell DEPUTY OIL & GAS INSPECTOR TITLE DISTRICT #3 DATE 6-11-15

Conditions of Approval (if any):

KC
6

Blackhills 16 #3
Sec 16, T 26 N, R 13 W
San Juan County, New Mexico
5/22/2015

Plug and Abandon Procedure

AFE Number: 1503679
Spud Date: 10/4/2002
Surface Casing: 7", 20#, J-55 csg @ 170'. Cmt'd w/65 sx. Circ 5 bbls cmt to surf.
Production Casing: 4-1/2", 10.5#, J-55 csg @ 1,575'. Cmt'd w/180 sx. Circ 7 bbls cmt to surf.
Capacity: .0159 bbls/ft or .6699 gal/ft
Production Tubing: 2-3/8" string
Rod String: 3/4" string
Pump: 1-1/4" insert pump
Perforations: Fruitland Coal: 1,317' – 1,348'
PBTD: 1,529'
Recent Production: INA since 5/16/2014. 0 mcfpd, 0 bwpd (downhole failure).

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 1,317'. TOH.
10. TIH 4-1/2" CR and set @ $\pm 1,300'$. 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 (1,300' – 1,250')**: Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,300' – 1,250' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (786' – 686')**: Pump 12 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 786' – 686' (volume calculated with 50' excess).
15. **Kirtland, Ojo Alamo Top & Surface Plug (355' – Surface)**: Pump 31 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 355' – 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, 1,300' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 51 sx Class "B" cement
6. 1 above ground marker

Services:

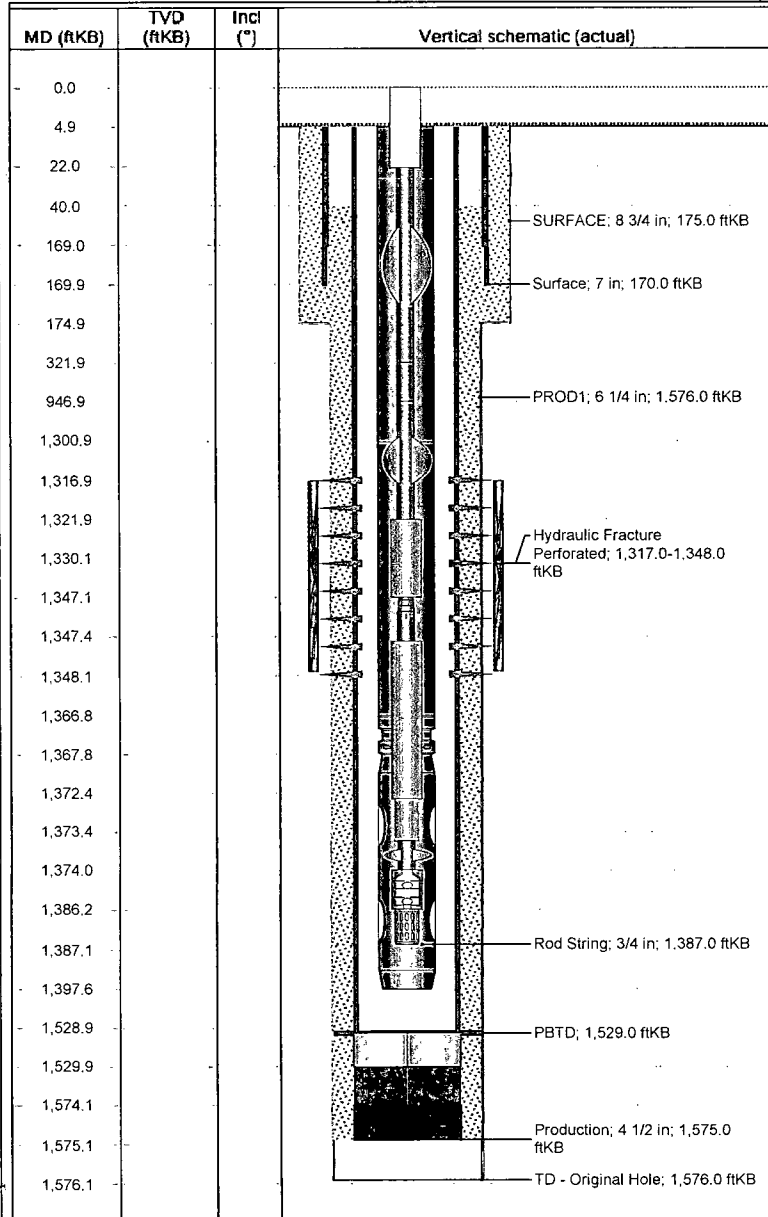
1. Completion rig
2. Cement truck



Downhole Well Profile - with Schematic

Well Name: Blackhills 16-03

API/UWI 30045311750000	XTO Accounting ID 67916	Permit Number	State/Province New Mexico	County San Juan
Location T26N-R13W-S16	Spud Date 10/4/2002 00:00	Original KB Elevation (ft) 6,235.00	Ground/Corrected Ground Elevation (ft) 6,230.00	KB-Ground Distance (ft) 5.00



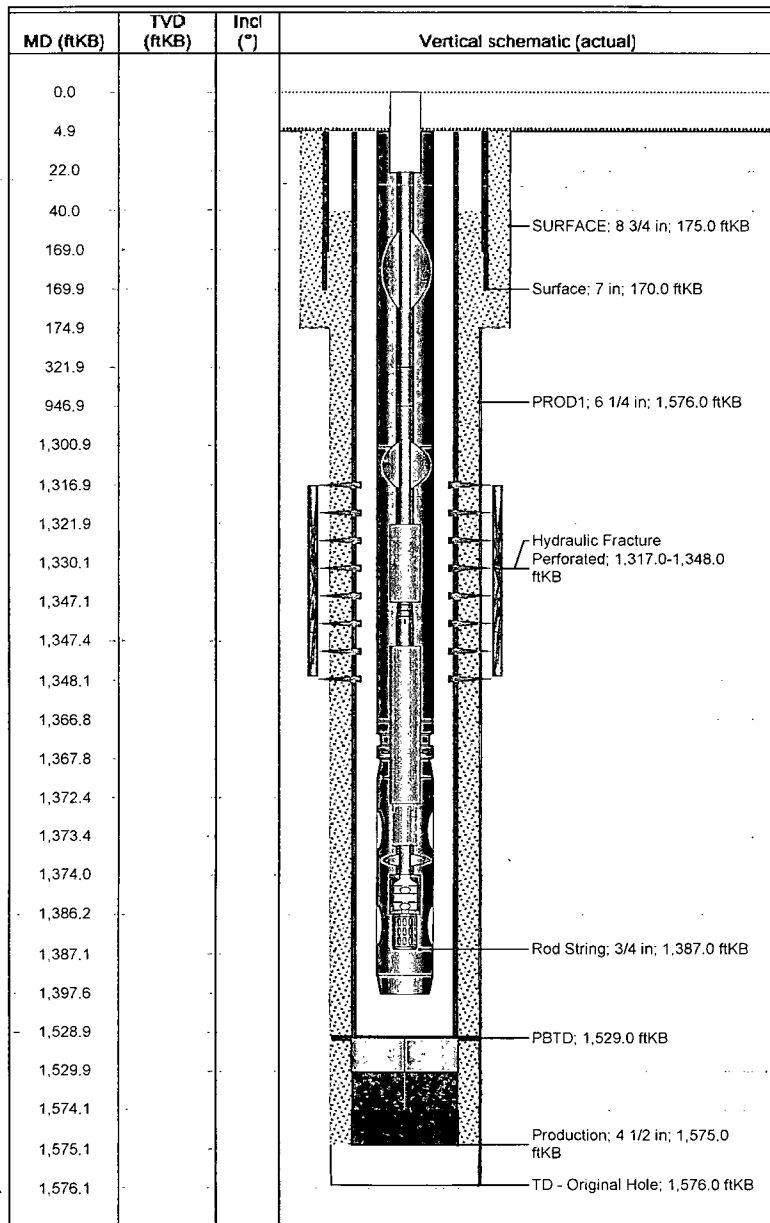
Wellbores							
Wellbore Name Original Hole		Parent Wellbore Original Hole			Wellbore API/UWI 30045311750000		
Start Depth (ftKB) 5.0		Profile Type			Kick Off Depth (ftKB)		
Section Des		Size (in)		Act Top (ftKB)		Act Btm (ftKB)	
SURFACE		8 3/4		5.0		175.0	
PROD1		6 1/4		175.0		1,576.0	
Zones							
Zone Name		Top (ftKB)		Btm (ftKB)		Current Status	
Fruitland Coal		1,317.0		1,348.0			
Casing Strings							
Csg Des		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft)	
Surface		170.0		7		20.00	
Production		1,575.0		4 1/2		10.50	
Cement							
Des		Type			String		
Surface Casing Cement		Casing			Surface, 170.0ftKB		
Production Casing Cement		Casing			Production, 1,575.0ftKB		
Tubing Strings							
Tubing Description		Run Date			Set Depth (ftKB)		
Tubing - Production		2/12/2013			1,397.8		
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)
Tubing		2 3/8	4.70	J-55	41	1,295.86	5.0
Tubing		2 3/8	4.70	J-55	2	65.80	1,300.9
Seat Nipple		2 3/8			1	1.10	1,366.7
OEMA		2 3/8	4.70	J-55	1	30.00	1,367.8
Rod Strings							
Rod Description		Run Date			Set Depth (ftKB)		
Rod String		2/13/2013			1,387.0		
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)
Polished Rod		1 1/4			1	22.00	0.0
Sucker Rod w/5 Ultra flow guides		3/4		D	12	300.00	22.0
Sucker Rod		3/4		D	27	625.00	322.0
Sucker Rod w/Molded Guides		3/4		D	15	375.00	947.0
Sinker Bar		1 1/4		C	1	25.00	1,322.0
Shear Tool - 21K		3/4			1	0.50	1,347.0
Sinker Bar		1 1/4		C	1	25.00	1,347.5
Lift Sub		1			1	1.00	1,372.5
Spiral Rod Guide		3/4			1	0.50	1,373.5
Rod Insert Pump		1 1/4			1	12.00	1,374.0
Strainer Nipple		1			1	1.00	1,386.0



Downhole Well Profile - with Schematic

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Location T26N-R13W-S16	Spud Date 10/4/2002 00:00	Original KB Elevation (ft) 6,235.00	Ground/Corrected Ground Elevation (ft) 6,230.00	KB-Ground Distance (ft) 5.00



Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Perforations			
Date	Top (ftKB)	Btm (ftKB)	Zone
1/29/2003	1,317.0	1,348.0	Fruitland Coal, Original Hole

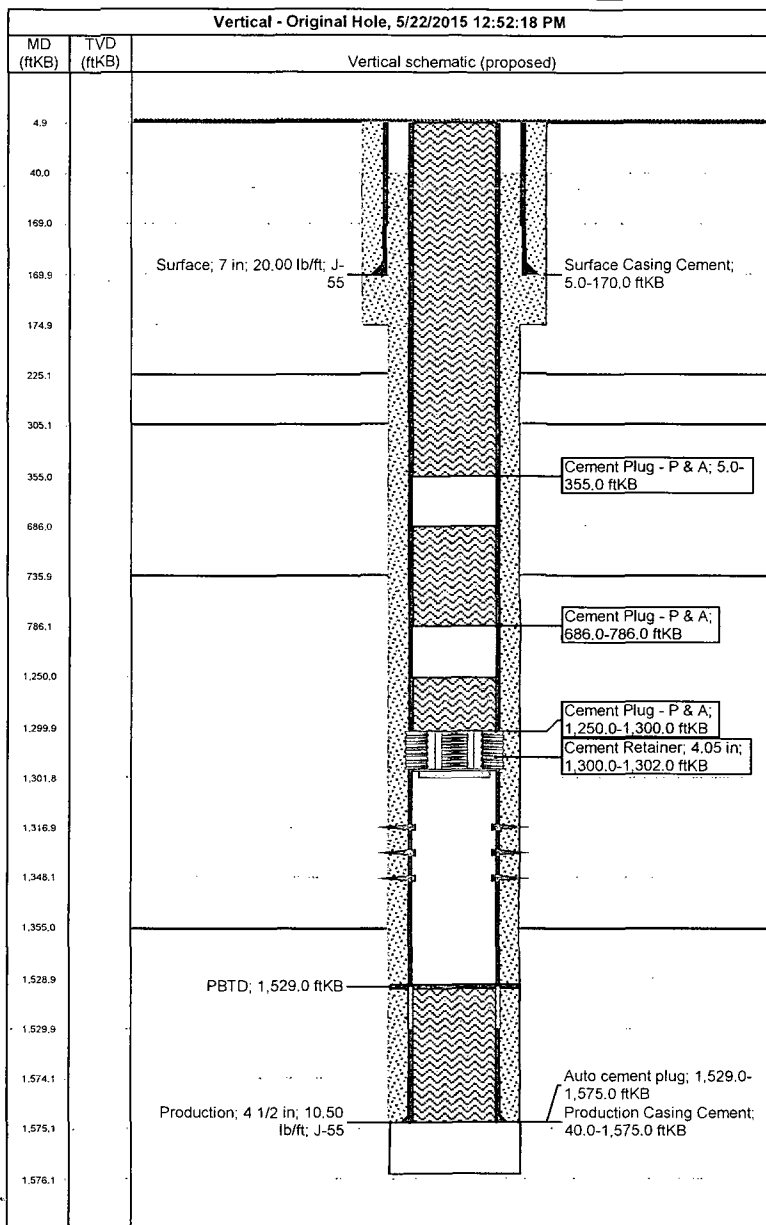
Stimulations & Treatments						
Frac #	Top Perf (ftKB)	Bottom Perf (ftKB)	AIR (bbl/min)	MIR (bbl/min)	TWP (bbl)	Total Proppant (lb)
1317	1348		40.0			



XTO - Proposed P&A Wellbore Diagram

Well Name: Blackhills 16-03

API/UWI 30045311750000	XTO Accounting ID 67916	Permit Number	State/Province New Mexico	County San Juan
Location T26N-R13W-S16	Spud Date 10/4/2002 00:00	Original KB Elevation (ft) 6,235.00	Ground/Corrected Ground Elevation (ft) 6,230.00	KB-Ground Distance (ft) 5.00



Formations					
Formation Name Nacimiento		Final Top MD (ftKB)	5.0	Final Bottom MD (ftKB)	225.0
Formation Name Ojo Alamo		Final Top MD (ftKB)	225.0	Final Bottom MD (ftKB)	305.0
Formation Name Kirtland		Final Top MD (ftKB)	305.0	Final Bottom MD (ftKB)	736.0
Formation Name Fruitland Coal		Final Top MD (ftKB)	736.0	Final Bottom MD (ftKB)	1,355.0
Formation Name Pictured Cliffs		Final Top MD (ftKB)	1,355.0	Final Bottom MD (ftKB)	
Wellbores					
Wellbore Name Original Hole			Parent Wellbore Original Hole		
Start Depth (ftKB)		5.0	Profile Type	Kick Off Depth (ftKB)	
Casing Strings					
Csg Des	Set Depth (ftKB)		OD (in)	Wt/Len (lb/ft)	Grade
Surface	170.0		7	20.00	J-55
Production	1,575.0		4 1/2	10.50	J-55
Cement					
Des	Type	String	Com		
Surface Casing Cement	Casing	Surface, 170.0ftKB	Cmt'd w/65 sx Cl B cmt w/2% CaCl2 & .25 pps cello (mixed @ 15.6 ppg & 1.18 yield. Circ 5 bbls cmt to surf.		
Production Casing Cement	Casing	Production, 1,575.0ftKB	Cmt'd w/80 sx Cl B cmt w/2% Metasil, 5 ppg Gilsonite, & .25 pps cello (mixed @ 12.5 ppg & 2.06 yield) f/b 100 sx Cl B cmt w/2% CaCl2, .25 pps cello (mixed @ 15.8 ppg & 1.18 yield). Circ 7 bbls cmt to surf. TOC @ 40' by CBL		
Cement Plug - P & A	Plug	Production, 1,575.0ftKB	Plug 1: Pmp 8 sx f/1,300' - 1,250'.		
Cement Plug - P & A	Plug	Production, 1,575.0ftKB	Plug 2: Pmp 12 sx f/786' - 686'.		
Cement Plug - P & A	Plug	Production, 1,575.0ftKB	Plug 3: Pmp 31 sx f/355' - surf.		
Perforations					
Date	Top (ftKB)		Btm (ftKB)	Zone	
1/29/2003	1,317.0		1,348.0	Fruitland Coal, Original Hole	
Other In Hole					
Des	OD (in)		Top (ftKB)	Btm (ftKB)	
Cement Retainer	4.052		1,300.0	1,302.0	