State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date:
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-25532-00-00	LITTLE STINKER	001	XTO ENERGY, INC	G	A	San Juan	F	J	11	30	N	12	W

Application Type:

☒ P&A ☐ Drilling/Casing Change ☐ Location Change

☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)

☐ Other:

Conditions of Approval:

Ensure inside plugs are designed as 100' plugs plus 50' of excess similar to BLM condition 4.5 attached to this application. This condition will change the following plugs;

- **Extend the Fruitland plug from 1810-1710 plus 50' of excess.**
- **The PC plug will not need to be extended to meet this condition, due to the Fruitland perforations starting at 2128'.**

Brandon Powell

NMOCD Approved by Signature

11/12/15
Date

1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3460 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMSF081239

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
LITTLE STINKER 1

2. Name of Operator
XTO ENERGY INC

Contact: KRISTEN D LYNCH
E-Mail: Kristen_Lynch@xtoenergy.com

9. API Well No.
30-045-25532-00-S1

3a. Address
ENGLEWOOD, CO 80155

3b. Phone No. (include area code)
Ph: 505-333-3206

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 11 T30N R12W NWSE 1560FSL 1850FEL
36.823670 N Lat, 108.064440 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy Inc. requests to plug and abandon this well per the attached procedure. A Closed Loop System will be used. Please see attached Current and proposed wellbore diagrams.

Per Onshore Order 1 Sec. III.D.4.j & Sec. XII, XTO Energy is amending the original reclamation plan that was approved with this wells original APD. The attached plan will supersede/replace all other plan/s on record.

OIL CONS. DIV DIST. 3

NOV 09 2015

Notify NMOCD 24 hrs prior to beginning operations

SEE ATTACHED FOR CONDITIONS OF APPROVAL

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #321187 verified by the BLM Well Information System
For XTO ENERGY INC, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 11/03/2015 (16JWS0024SE)

Name *(Printed/Typed)* KRISTEN D LYNCH — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 10/23/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JACK SAVAGE — Title PETROLEUM ENGINEER — Date 11/03/2015

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD

ML _____
MTG _____
Approved _____

Little Stinker #1
Sec11, T30N, R12W
San Juan County, New Mexico
10/01/2015
Plug and Abandon Procedure

AFE Number:

Spud Date: 12/09/1982

Surface Casing: 8-5/8", 24#, J-55 csg @ 259'. Cmt'd w/260 sx. Circ cmt to surf.

Production Casing: 4-1/2", 10.5#, J-55 csg @ 6,796'. DV tl @ 5,102' and 2,189' . Cmt'd stage 1 w/350 sx. Cmt'd stage 2 w/375 sx. Cmt'd stage 3 w/585 sx. Circulated trace of cement cmt to surf according to drilling report. No CBL.
Capacity: .0159 bbls/ft or .6699 gal/ft

Production Tubing: 2-3/8", 4.7#, J-55 tbg, EOT @ 2,151'. Rod pump with 3/4" sucker rods.

Perforations: Fruitland Coal: 1,850' – 2,128'

PBTD: 2,160' CIBP

Recent Production: 0 mcfpd, 0 bwpd, 0 bopd (inactive).

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. TOH and LD rods and pump. ND WH. NU & FT BOP.
6. Tag fill, TOH tubing. LD BHA.
7. **Pictured Cliffs Top Plug (2,087' – 2,160'):** TIH to ~2,160' and PT tbg. Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 2,160' – 2,087' (volume calculated with 50' excess). WOC. Tag plug. TOH with tbg.
8. MIRU WLU. Review JSA. Run gage ring to ~1,820'.
9. RIH 4-1/2" CIBP and set @1,810' (collars @1,805' and 1,848' from Bluejet DECL log dated 8/6/99). Load hole and PT plug.
10. Run CBL/CCL log from CIBP – surface. Correlate to Bluejet DECL log dated 8/6/99. Send CBL to engineer.

Plugs may need altered based off CBL results. Contact engineer with changes.

11. TIH tubing. Set a cement retainer @1,810'.

12. **Fruitland Coal Top Plug (1,810' – 1,760'):** Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,810' – 1,760' (volume calculated with 50' excess).

13. **Kirtland Top & Ojo Plug (788' – 606'):** Perforate 3 squeeze holes at 788'. Establish injection rate into squeeze holes. Pump 50 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 32 sx outside casing and leave 18 sx inside casing from 788' – 606' (volume calculated with 50' excess inside and 100% excess outside). TOH with tubing.

14. **Casing Shoe Top Plug (309' – Surface):** Perforate 3 squeeze holes at 309'. Establish injection rate into squeeze holes and out the bradenhead. Mix and pump approximately 82 sxs Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down the casing until good cement returns out casing and bradenhead. Shut in well and WOC.

15. RDMO WLU. RDMO cement truck.

16. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.

17. Cut off anchors and reclaim location.

Checklist

Regulatory:
1. NOI to P&A on form C-103
2. Submit a post-work sundry on form C-103 which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment:
1. 1 flowback tank
2. 2 – 4-1/2" cement retainers
3. 166 sx Class "B" cement
4. 1 above ground marker

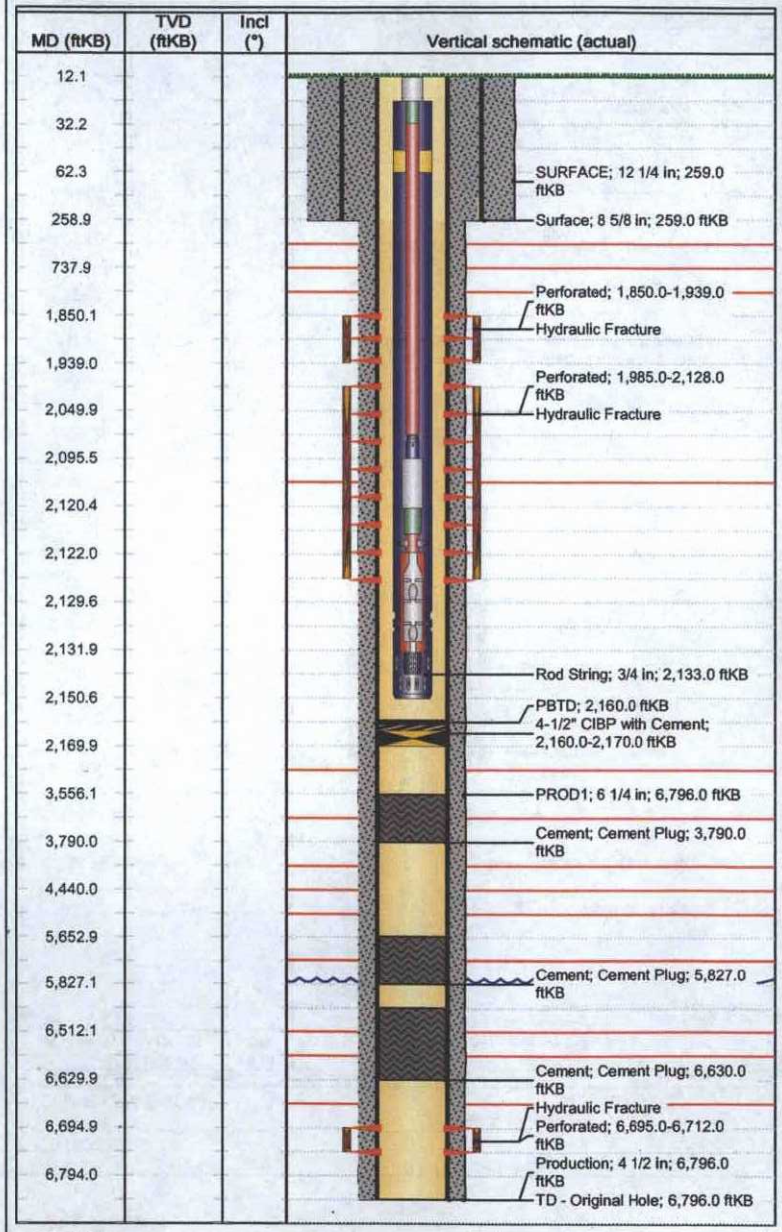
Services:
1. Completion rig
2. Cement truck
3. Wireline Unit

Downhole Well Profile - with Schematic

Well Name: Little Stinker 01

API/UWI	XTO Accounting ID	Permit Number	State/Province	County
30045255320000	71774		New Mexico	San Juan

Location	Spud Date	Original KB Elevation (ft)	Ground/Corrected Ground Elevation (ft)	KB-Ground Distance (ft)
T30N-R12W-S11	12/9/1982 00:00	5,824.00	5,812.00	12.00



Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UWI
Original Hole	Original Hole	30045255320000

Start Depth (ftKB)	Profile Type	Kick Off Depth (ftKB)
12.0		

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	259.0
PROD1	6 1/4	259.0	6,796.0

Zones

Zone Name	Top (ftKB)	Btm (ftKB)	Current Status
Fruitland Coal	1,850.0	2,128.0	
Dakota	6,695.0	6,712.0	

Casing Strings

Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	259.0	8 5/8	24.00	J-55
Production	6,796.0	4 1/2	10.50	J-55

Cement

Des	Type	String
Surface Casing Cement	Casing	Surface, 259.0ftKB
Production Casing Cement	Casing	Production, 6,796.0ftKB
Cement Plug	Plug	Production, 6,796.0ftKB
Cement Plug	Plug	Production, 6,796.0ftKB
Cement Plug	Plug	Production, 6,796.0ftKB

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	5/6/2011	2,150.7

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 3/8	4.70	J-55	1	32.17	28.0	60.2
Tubing Sub	2 3/8	4.70	J-55	1	2.10	60.2	62.3
Tubing	2 3/8	4.70	J-55	60	1,870.05	62.3	1,932.3
Tubing	2 3/8	4.70	J-55	6	197.28	1,932.3	2,129.6
Seat Nipple	2 3/8	4.70	J-55	1	1.10	2,129.6	2,130.7
OEMA	2 3/8	4.70	J-55	1	20.00	2,130.7	2,150.7

Rod Strings

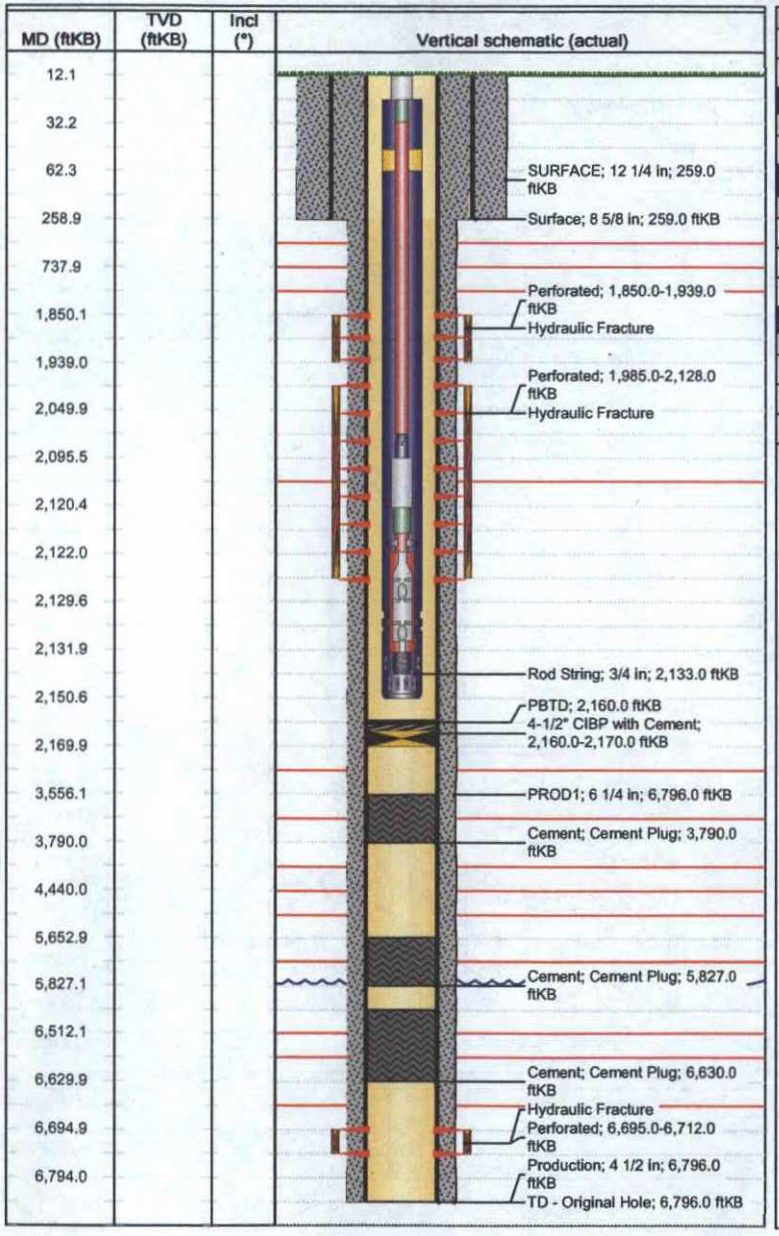
Rod Description	Run Date	Set Depth (ftKB)
Rod String	5/6/2011	2,133.0

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1 1/4			1	16.00	12.0	28.0
Rod Sub	3/4		D	2	4.00	28.0	32.0
Sucker Rod	3/4		D	83	2,063.00	32.0	2,095.0
Shear Tool - 21K	3/4		D	1	0.50	2,095.0	2,095.5
Polished Rod Sinker Bar	1 1/4			1	25.00	2,095.5	2,120.5
Lift Sub	1			1	1.00	2,120.5	2,121.5
Spiral Rod Guide	3/4			1	0.50	2,121.5	2,122.0

Downhole Well Profile - with Schematic

Well Name: Little Stinker 01

API/UWI	XTO Accounting ID	Permit Number	State/Province	County
30045255320000	71774		New Mexico	San Juan
Location	**Spud Date**	**Original KB Elevation (ft)**	**Ground/Corrected Ground Elevation (ft)**	**KB-Ground Distance (ft)**
T30N-R12W-S11	12/9/1982 00:00	5,824.00	5,812.00	12.00



Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Rod Insert Pump	1 1/2			1	10.00	2,122.0	2,132.0
Strainer Nipple	1			1	1.00	2,132.0	2,133.0

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
	4-1/2" CIBP with Cement	4.1	2,160.0	2,170.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Zone
8/9/1999	1,850.0	1,939.0	Fruitland Coal, Original Hole
8/6/1999	1,985.0	2,128.0	Fruitland Coal, Original Hole
1/5/1983	6,695.0	6,712.0	Dakota, Original Hole

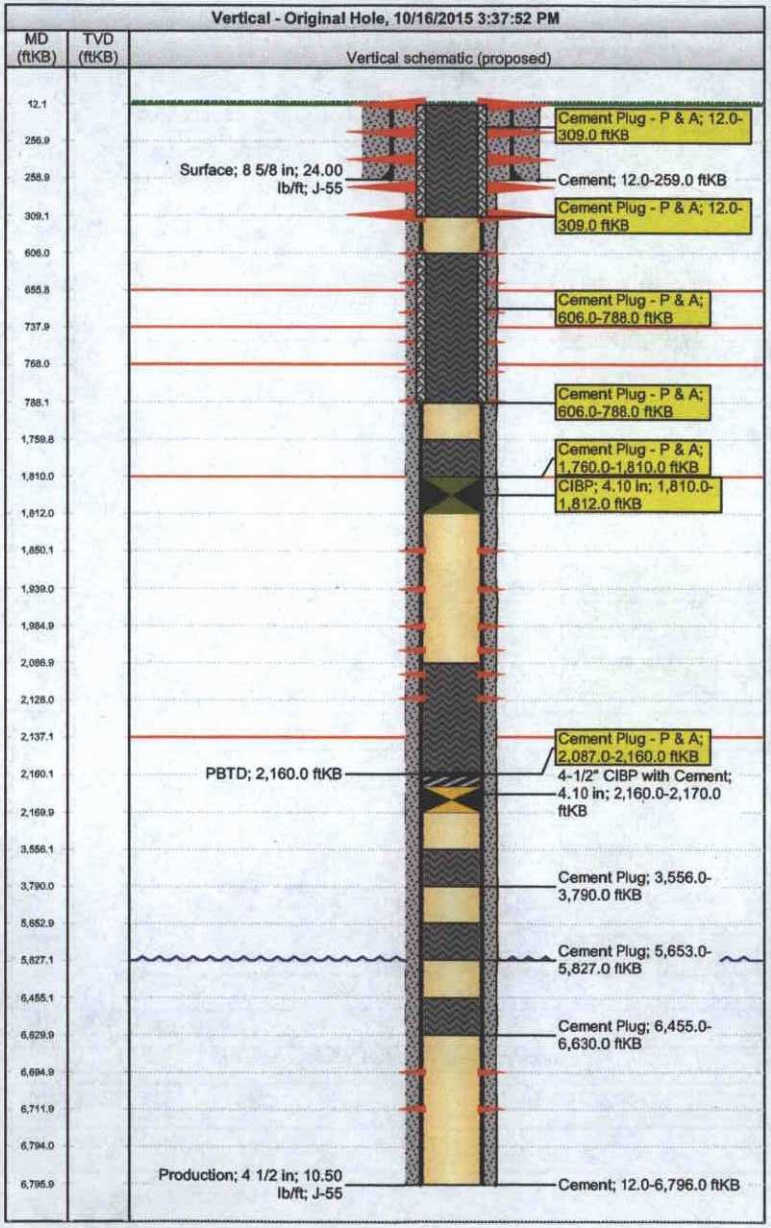
Stimulations & Treatments

Frac #	Top Perf (ftKB)	Bottom Perf (ftKB)	AIR (bbl/min)	MIR (bbl/min)	TWP (bbl)	Total Proppant (lb)
	6695	6712				
	1985	2128				
	1850	1939				

XTO - Proposed P&A Wellbore Diagram

Well Name: Little Stinker 01

API/UWI	XTO Accounting ID	Permit Number	State/Province	County
30045255320000	71774		New Mexico	San Juan
Location	**Spud Date**	**Original KB Elevation (ft)**	**Ground/Corrected Ground Elevation (ft)**	**KB-Ground Distance (ft)**
T30N-R12W-S11	12/9/1982 00:00	5,824.00	5,812.00	12.00



Formations

Formation Name	Final Top MD (ftKB)	Final Bottom MD (ftKB)
Ojo Alamo	656.0	768.0
Kirtland	738.0	1,810.0
Fruitland Coal	1,810.0	2,137.0
Pictured Cliffs	2,137.0	

Wellbores

Wellbore Name	Parent Wellbore
Original Hole	Original Hole

Start Depth (ftKB)	Profile Type	Kick Off Depth (ftKB)
12.0		

Casing Strings

Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	259.0	8 5/8	24.00	J-55
Production	6,796.0	4 1/2	10.50	J-55

Cement

Des	Type	String	Com
Surface Casing Cement	Casing	Surface, 259.0ftKB	
Production Casing Cement	Casing	Production, 6,796.0ftKB	
Cement Plug - P & A	Plug	Production, 6,796.0ftKB	Plug 1: Pump 10 sx f/2,160'-2,087'
Cement Plug - P & A	Plug	Production, 6,796.0ftKB	Plug 2: Pump 8 sx f/1,810'-1,760'
Cement Plug - P & A	Plug	Production, 6,796.0ftKB	Plug 3 (Inside): Pump 18 sx f/788'-606'
Cement Plug - P & A	Squeeze	Production, 6,796.0ftKB	Plug 3 (Outside): Pump 32 sx f/788'-606'
Cement Plug - P & A	Squeeze	Production, 6,796.0ftKB	Plug 4 (Outside): Pump 54 sx f/309' to surface
Cement Plug - P & A	Plug	Production, 6,796.0ftKB	Plug 4 (Inside): Pump 28 sx f/309' to surface
Cement Plug	Plug	Production, 6,796.0ftKB	
Cement Plug	Plug	Production, 6,796.0ftKB	
Cement Plug	Plug	Production, 6,796.0ftKB	

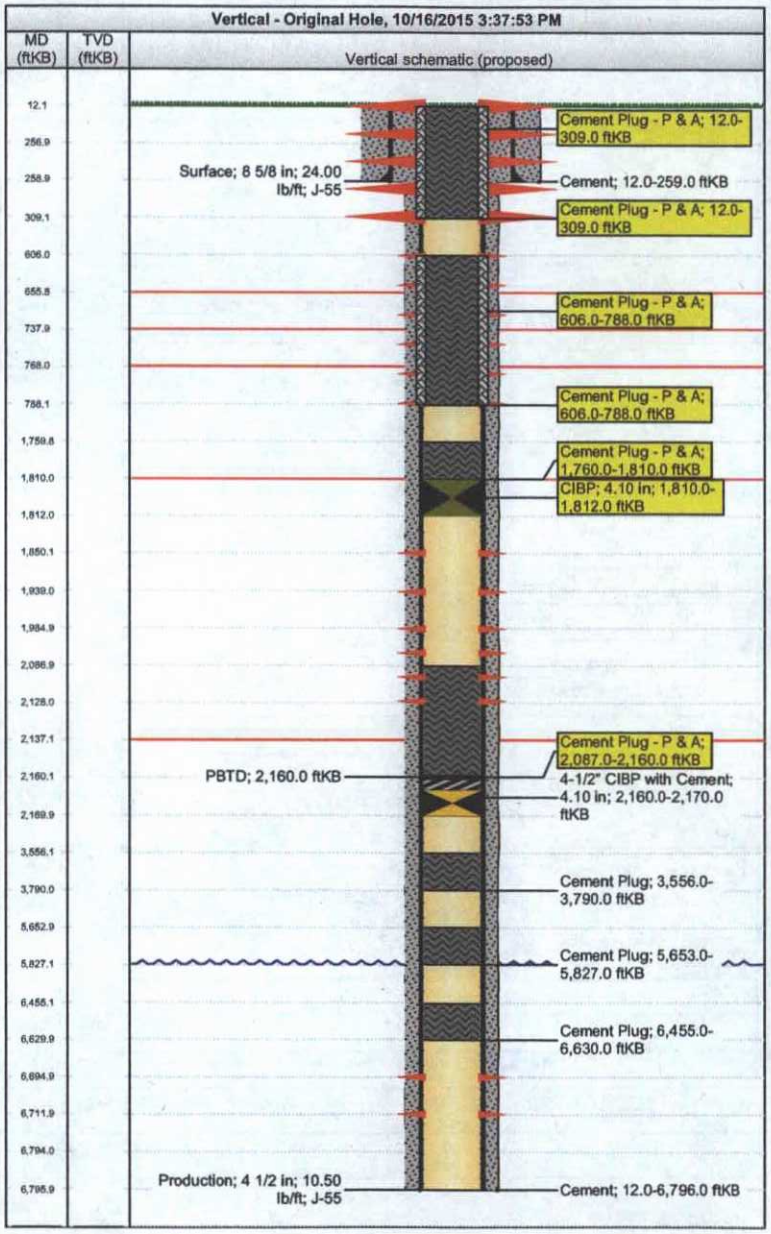
Perforations

Date	Top (ftKB)	Btm (ftKB)	Zone
10/16/2015	12.0	309.0	Dakota, Original Hole
10/16/2015	606.0	788.0	Dakota, Original Hole
8/9/1999	1,850.0	1,939.0	Fruitland Coal, Original Hole

XTO - Proposed P&A Wellbore Diagram

Well Name: Little Stinker 01

API/UWI	XTO Accounting ID	Permit Number	State/Province	County
30045255320000	71774		New Mexico	San Juan
Location	**Spud Date**	**Original KB Elevation (ft)**	**Ground/Corrected Ground Elevation (ft)**	**KB-Ground Distance (ft)**
T30N-R12W-S11	12/9/1982 00:00	5,824.00	5,812.00	12.00



Perforations

Date	Top (ftKB)	Btm (ftKB)	Zone
8/6/1999	1,985.0	2,128.0	Fruitland Coal, Original Hole
1/5/1983	6,695.0	6,712.0	Dakota, Original Hole

Other In Hole

Des	OD (in)	Top (ftKB)	Btm (ftKB)
4-1/2" CIBP with Cement	4.1	2,160.0	2,170.0
CIBP	4.1	1,810.0	1,812.0

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Little Stinker #1

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov tsalyers@blm.gov Brandon.Powell@state.nm.us

H_2S has not been reported at this location, however, low to high concentrations of H_2S (9 ppm -100 ppm GSV) have been reported in wells within a 1 mile radius of this location.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log (CBL) is required to be ran if one had not been previously ran or cement did not circulate to surface during the primary cement job or subsequent cement job.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.