

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.

RECEIVED
MAR 17 2015

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM047
2. Name of Operator XTO ENERGY INC Contact: RHONDA SMITH E-Mail: rhonda_smith@xtoenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 382 ROAD 3100 AZTEC, NM 87410		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505-333-3215		8. Well Name and No. NEW MEXICO FEDERAL N 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T30N R12W NENE 1190FNL 1190FEL 36.816696 N Lat, 108.115555 W Lon		9. API Well No. 30-045-09556-00-S1
		10. Field and Pool, or Exploratory BASIN DAKOTA
		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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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 recomplate 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. intends to P&A this location per the attached procedure. We will be using a Closed Loop System. Please see attached surface reclamation plan, current wellbore diagram, and proposed wellbore diagram.

OIL CONS. DIV DIST. 3

MAR 26 2015

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

Notify NMOCD 24 hrs prior to beginning operations

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #295185 verified by the BLM Well Information System For XTO ENERGY INC, sent to the Farmington Committed to AFMSS for processing by TROY SALYERS on 03/23/2015 (15TLS0181SE)	
Name (Printed/Typed) RHONDA SMITH	Title REGULATORY CLERK
Signature (Electronic Submission)	Date 03/17/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TROY SALYERS	Title PETROLEUM ENGINEER	Date 03/23/2015
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 **

NMOCD

KC
8

ML _____
MTG _____
Approved _____

**New Mexico Federal N#2
Basin Dakota
1,190' FNL and 1,190' FEL, Sec 17, T 30 N, R 12 W
API: 30-045-09556
San Juan County, New Mexico
01/14/2015**

Plug and Abandon Procedure

AFE Number: 1500405

Spud Date: February 13, 1960

Surface Casing: 8-5/8", 24#, K-55 csg @ 332'. Cmt'd w/300 sx. Circ 75 sx cmt to surf.

Production Casing: 4-1/2", 9.5# (29' -5,554') & 11.6# (0'-29' and 5,554'-6,701'), J-55 csg @ 6,738'. Cmt'd single stage w/350 sx 50/50 POZMIX. Did not circ cmt to surf. Ran temperature survey, est TOC @4,750'. PBTd 6,690'.
Capacity: .01625 bbls/ft or .6825 gal/ft

Production Tubing: NC, SN, 215 jts 2-3/8", 4.7#, J-55 tbg. SN @6,610', EOT @ 6,611'.

Perforations: Dakota: 6,456' - 6,664'

Recent Production: 0 mcfpd, 0 bwpd, 0 bopd, suspect casing leak 2,500'-3,000'.

Comply with all NMOCD, BLM, and XTO safety regulations.

All cement volumes are 100% excess outside of casing and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.8 ppg with a 1.18 cf/sx yield.

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 workover rig. Review JSA.
5. Kill well if necessary. ND WH. NU & FT BOP.
6. TOH with tubing. MIRU WL, run gauge ring from surface to 6,447'.
7. PU and TIH 4-1/2" cement retainer on 2-3/8" tubing. Set retainer at 6,447'.
8. Pressure test tubing. Sting out of retainer, circulate hole clean. PT casing. TOH tubing

9. RU WLU. Run CBL/CCL/GR log from cement retainer – surface. Send CBL to engineer.

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

10. TIH tubing.

11. MIRU cement truck. Review JSA.

If casing will not pressure test tag cement plugs

See CoA

12. **Perforation Isolation & Dakota Top Plug (6,447' – 6,397')**: Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a plug from 6,447' – 6,397' (volume calculated with 50' excess). WOC. Tag plug.

13. **Gallup Top Plug (5,645' – 5,545')**: Pump 12 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a plug from 5,645' – 5,545' (volume calculated with 50' excess). WOC. Tag plug.

See CoA

14. **Mancos Top Plug (4,441' – 4,341')**: Perforate 3 squeeze holes at 4,680'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 4,630'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 4,680' – 4,580' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.

See CoA

15. **Mesaverde Top Plug (3,275' – 3,175')**: Perforate 3 squeeze holes at 3,275'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 3,225'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 3,275' – 3,175' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.

16. Attempt to pressure test casing fr/3,175' – surface. If casing doesn't pressure test, tag subsequent plugs.

17. **Pictured Cliffs Top Plug (2,002' – 1,902')**: Perforate 3 squeeze holes at 2,002'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 1,952'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 2,002' – 1,902' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.

18. Attempt to pressure test casing fr/1,902' – surface. If casing doesn't pressure test, tag subsequent plugs

See CoA

19. **Fruitland Coal Top Plug (1,413' – 1,313')**: Perforate 3 squeeze holes at 1,413'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 1,363'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 2,002' – 1,902' (volume calculated with 50' excess inside and 100% excess). TOH.

20. **Kirtland, Ojo Alamo, Casing Shoe, & Surface Plug (567' – 0')**: Perforate 3 squeeze holes at 567'. Open bradenhead and attempt to establish circulation out bradenhead with water and circulate the BH annulus clean. Mix and pump approximately 278 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down 4-1/2" casing with 230 sx outside casing to circulated good cement out bradenhead. Shut in well and WOC.

21. ND BOP and cut off WH below surface casing flange. Fill in casing as needed with cement. Install above ground P&A marker.

22. Cut off anchors and reclaim location.

Checklist

Regulatory:

1. NOI to P&A on form C-103 & 3160-5
2. Submit a post-work sundry on form C-103 & 3160-5 which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment:

1. 1 flowback tank
2. 5 – 4-1/2" cement retainers
3. 502 sx Class "B" cement
4. 1 above ground marker

Services:

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

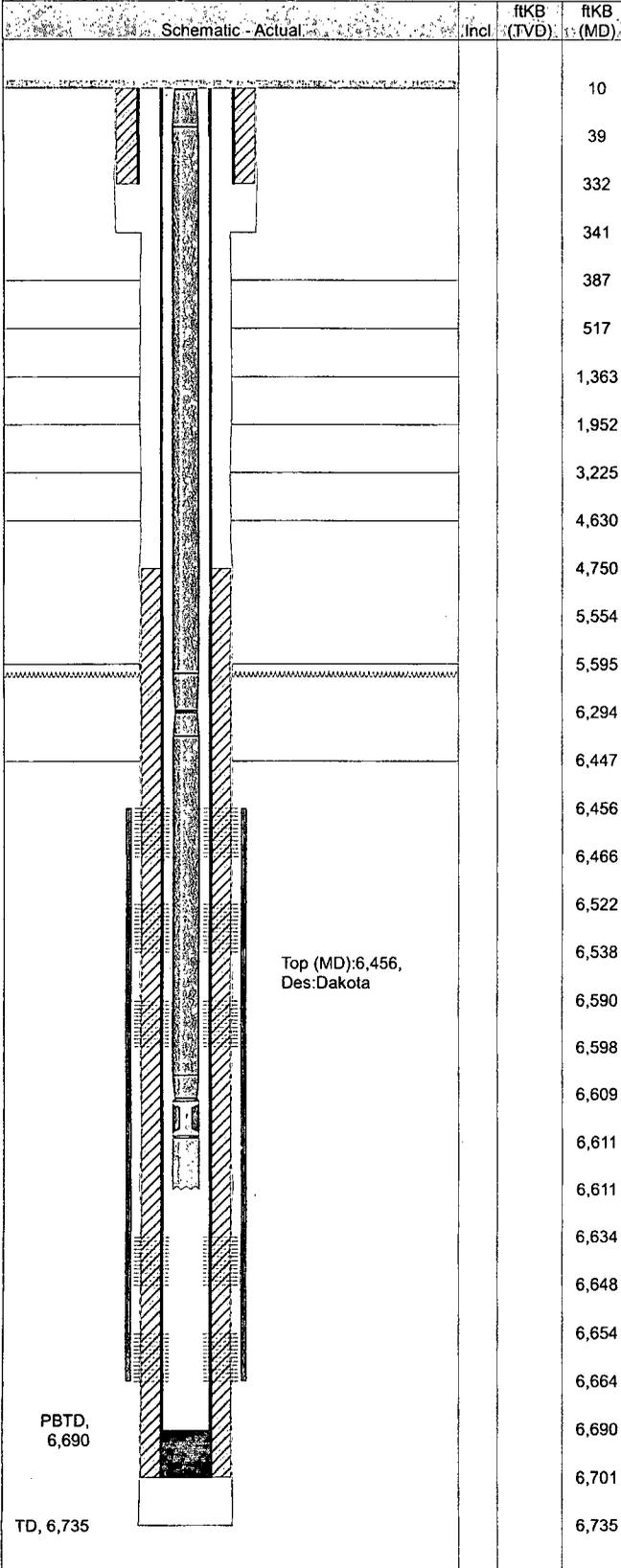


XTO - Wellbore Diagram

Well Name: New Mexico Federal N 02

API/UWI 30045095560000	E/W Dist (ft) 1,190.0	E/W Ref FEL	N/S Dist (ft) 1,190.0	N/S Ref FNL	Location T30N-R12W-S17	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 79489	Orig KB Elev (ft) 5,779.00	Gr Elev (ft) 5,769.00	KB-Grd (ft) 10.00	Spud Date 2/13/1960	PBTD (All) (ftKB) Original Hole - 6690.0	Total Depth (ftKB) 6,735.0	Method Of Production Plunger Lift

Well Config: Vertical - Original Hole, 1/13/2015 9:54:37 AM



Zones		Zone	Top (ftKB)	Bottom (ftKB)							
Zones		Dakota	6,456.0	6,664.0							
Casing Strings											
10	Casing Description	Surface	OD (in) 8 5/8	Wt (lbs/ft) 24.00	String Grade J-55	Top Connection	Set Depth (ftKB) 332.0				
39	Casing Description	Production	OD (in) 4 1/2	Wt (lbs/ft) 9.50	String Grade J-55	Top Connection	Set Depth (ftKB) 6,701.0				
Cement											
341	Description	Surface Casing Cement	Type casing	String Surface, 332.0ftKB	Comment cmt'd w/ 300 sx reg cmt + 2% cacl2 (15.0 ppg). Circ 75 sx. Performed top job.						
387	Description	Production Casing Cement	Type casing	String Production, 6,701.0ftKB	Comment cmt'd w/ 350 sx 50-50 pozmix & 12.5# gilsonite/sk. Ran temp survey (TOC @ 4750')						
Perforations											
1,952	Date	3/5/1960	Top (ftKB)	6,456.0	Bottom (ftKB)	6,466.0	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Current Status	Dakota
3,225	Date	3/5/1960	Top (ftKB)	6,522.0	Bottom (ftKB)	6,538.0					Dakota
4,630	Date	3/5/1960	Top (ftKB)	6,590.0	Bottom (ftKB)	6,598.0					Dakota
4,750	Date	3/5/1960	Top (ftKB)	6,634.0	Bottom (ftKB)	6,648.0					Dakota
5,554	Date	3/5/1960	Top (ftKB)	6,654.0	Bottom (ftKB)	6,664.0					Dakota
Tubing Strings											
5,595	Tubing Description	Tubing - Production	Run Date		Set Depth (ftKB)	6,611.2					
Tubing Components											
6,294	Item Description	Tubing	Jts	Model	OD (in)	Wt (lbs/ft)	Gra	Top Thread	Len (ft)	Top (ftKB)	Bottom (ftKB)
6,447	Tubing			T&C Upset	2 3/8	4.70	J-55		6,284.27	10.0	6,294.3
6,456	Tubing			T&C Upset	2 3/8	4.70	J-55		315.09	6,294.3	6,609.4
6,466	Seat Nipple				2 3/8				1.10	6,609.4	6,610.5
6,522	Notched Collar				2 3/8				0.78	6,610.5	6,611.2
Stimulations & Treatments											
6,538	Frac Start Date	6456	Top Perf (ft)	6664	Bottom Pa...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
6,590	Comment 80,000 gal wtr & 80,000# sand										
6,598											
6,609											
6,611											
6,611											
6,634											
6,648											
6,654											
6,664											
6,690											
6,701											
6,735											



XTO - Proposed P&A Wellbore Diagram

Well Name: New Mexico Federal N 02

API/UWI 30045095560000	E/W Dist (ft) 1,190.0	E/W Ref FEL	N/S Dist (ft) 1,190.0	N/S Ref FNL	Location T30N-R12W-S17	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 79489	Orig KB Elev (ft) 5,779.00	Gr Elev (ft) 5,769.00	KB-Grd (ft) 10.00	Spud Date 2/13/1960	PBTD (All) (ftKB) Original Hole - 6690.0	Total Depth (ftKB) 6,735.0	Method Of Production Plunger Lift

Well Config: Vertical - Original Hole, 1/15/2015 9:02:48 AM

Frm Final	Schematic - Proposed	ftKB (TVB)	ftKB (MD)	Zones																																																																																																						
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 40%;">Zone</th> <th style="width: 20%;">Top (ftKB)</th> <th style="width: 40%;">Btm (ftKB)</th> </tr> <tr> <td>Dakota</td> <td style="text-align: center;">6,456.0</td> <td style="text-align: center;">6,664.0</td> </tr> </table>	Zone	Top (ftKB)	Btm (ftKB)	Dakota	6,456.0	6,664.0																																																																																																
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Cement Plug	squeeze	Production, 6,701.0ftKB																																																																																																								
Comment Plug 5: (outside): Pmp 39 sx f/2,002 - 1,902																																																																																																										
Cement Plug	squeeze	Production, 6,701.0ftKB																																																																																																								
Comment Plug 6: (outside): Pmp 39 sx f/1,413 - 1,313																																																																																																										
Cement Plug	squeeze	Production, 6,701.0ftKB																																																																																																								
Comment Plug 7: (outside): Pmp 230 sx f/567 - surf																																																																																																										
Other In Hole																																																																																																										
	Description	OD (in)	Top (ftKB)																																																																																																							
6,701	Cement Retainer	4	4,630.0																																																																																																							
6,735	Cement Retainer	4	1,952.0																																																																																																							

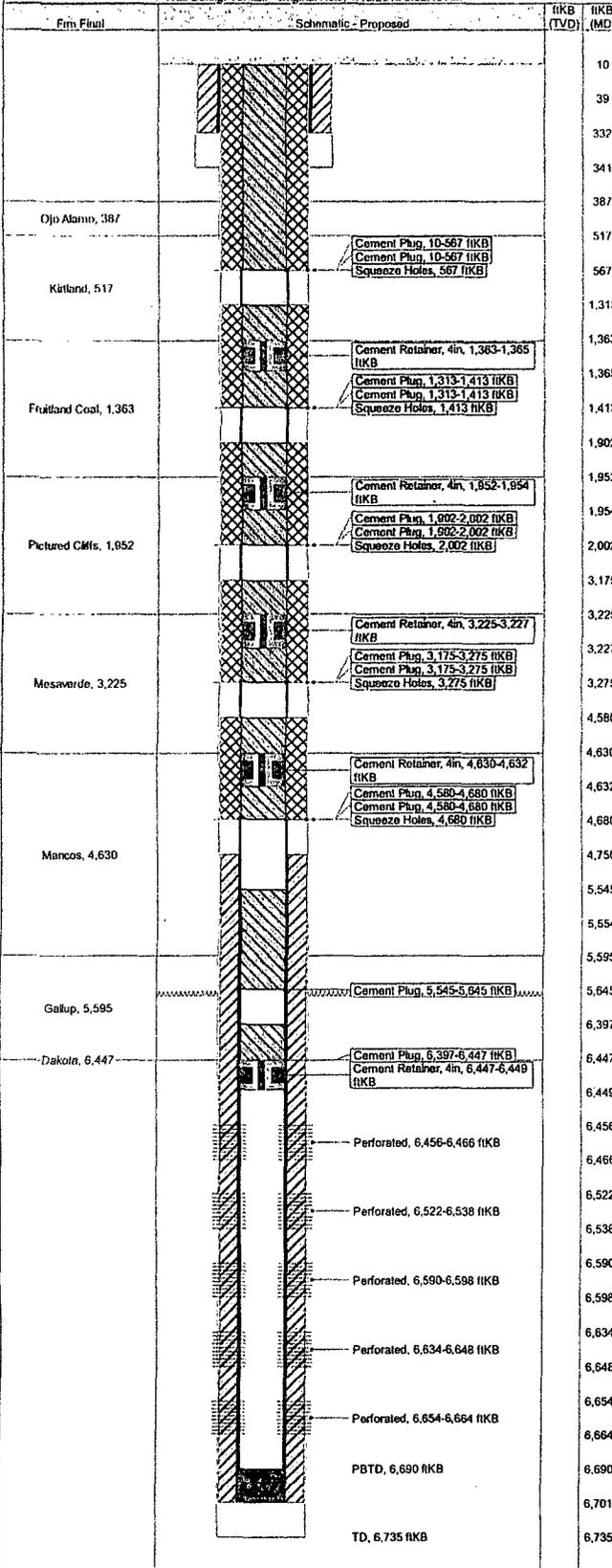


XTO - Proposed P&A Wellbore Diagram

Well Name: New Mexico Federal N 02

API/UWI 30045095560000	E/W Dist (ft) 1,190.0	E/W Ref FEL	N/S Dist (ft) 1,190.0	N/S Ref FNL	Location T30N-R12W-S17	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 79489	Orig KB Elev (ft) 5,779.00	Gr Elev (ft) 5,769.00	KB-Grd (ft) 10.00	Spud Date 2/13/1960	PBTD (All) (ftKB) Original Hole - 6690.0	Total Depth (ftKB) 6,735.0	Method Of Production Plunger Lift

Well Config: Vertical - Original Hole, 1/15/2015 9:02:48 AM



Other In Hole			
Description	OD (in)	Top (ftKB)	
Cement Retainer	4	1,363.0	
Cement Retainer	4	3,225.0	
Cement Retainer	4	6,447.0	

Perforations						
Date	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Zone
	567.0	567.0				
	1,413.0	1,413.0				
	2,002.0	2,002.0				
	3,275.0	3,275.0				
	4,680.0	4,680.0				
3/5/1960	6,456.0	6,466.0				Dakota
3/5/1960	6,522.0	6,538.0				Dakota
3/5/1960	6,590.0	6,598.0				Dakota
3/5/1960	6,634.0	6,648.0				Dakota
3/5/1960	6,654.0	6,664.0				Dakota

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: NM Federal N #2

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.

3. The following modifications to your plugging program are to be made:

- a) Bring the top of plug #1 to 6348 ft. to cover the Graneros top. Adjust cement volume accordingly.
- b) Set the Mancos plug (4678-4578) ft. inside/outside to cover the Mancos top.
- c) Set the Mesaverde plug (3580-3480) ft. inside/outside to cover the Mesaverde top.
- d) Set a plug (2779-2679) ft. inside/outside to cover the Chacra top.
- e) Set the Fruitland plug (1575-1475) ft. inside/outside to cover the Fruitland top.

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

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.