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Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**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 page 2		5. Lease Serial No. NMNM68764
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name NAVAJO
2. Name of Operator Enduring Resources IV LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 200 Energy Court Farmington NM 87401		8. Well Name and No. BETTIN ON BISTI 30 001
3b. Phone No. (include area code) 505-636-9743		9. API Well No. 30-045-27122
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 660' FNL & 660' FEL Sec 30 T25N R11W Unit: A		10. Field and Pool or Exploratory Area Bisti- Lower Galup
		11. Country or Parish, State San Juan, NM

12. CHECK THE 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"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water ShutOff
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Plug and Abandon
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enduring Resources IV LLC requests to plug and abandon the BETTIN ON BISTI 30 001 per the attached procedure, current and proposed wellbore diagram and reclamation plan.

**Approved as to plugging
of the well bore. Liability
under bond is retained until
surface restoration is completed.**

NMOC

AUG 16 2019

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Lacey Granillo

DISTRICT III

Title: Permit Specialist

Signature

Date: 7/1/19

THE SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

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

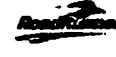
AUG 14 2019
FARMINGTON FIELD OFFICE
By: [Signature]

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.

NMOC

THE AZTEC WELL FAMILY

Family-owned founded in 1963 with Aztec Well Servicing Co.



Enduring Resources Plug & Abandon Procedure May 21, 2019

Well:	Bettin on Bisti 30 #1	API:	30-45-27122
Location:	660' FNL & 660' FEL	Field:	Bisti lower Gallup
Sec,T, R:	Sec 30, T25N, 11W	Elevation:	GL: 6422'
Cnty/State:	San Juan, New Mexico		
Lat/Long:	36.3775711,-108.0383759	By:	Aztec Well Servicing

Objective:

Permanently plug & abandon the well from 4712' to surface containing 7 cement plugs.

Prior to Rig:

1. Notify BLM & NMOCD
2. Note: verify all cement volumes based on actual slurry to be pumped.
3. See attached COA's from BLM & NMOCD.

Procedure:

1. MIRU well servicing rig and cement equipment.
2. LD rods.
3. ND WH, NU BOPE, RU rig floor and 2-7/8" handling tools.
4. Release TAC, LD production string.
5. Tally and PU 2-3/8" workstring with 5-1/2" casing scraper to 4730'.
6. TOOH and LD casing scraper.
7. TIH with 5-1/2" CR and set @ 4712'.
8. Pressure test tubing to 1000psi, roll well, and close pipe rams and pressure test casing to 800psi. (WOC to be determined if test holds).
9. **Plug #1, 4712'-4510' (Gallup Perfs & Top: 4560')** Mix & pump 30 sxs of Class G cement (or equivalent) on top of CR to cover Gallup perfs and top. Pull up and reverse circulate tubing clean.
10. TOOH and LD setting tool and TIH open ended.
11. **Plug #2, 3875'-3775' (Mancos Top: 3825')** Mix 18 sxs of Class G cement (or equivalent) and pump a balance plug to cover the Mancos top. Pull up and reverse circulate tubing clean.
12. LD tubing to 2727'.
13. **Plug #3, 2727'-2627' (Mesaverde Top: 2677')** Mix 18 sxs of Class G cement (or equivalent) and pump a balance plug to cover the Mesaverde top. Pull up and reverse circulate tubing clean.
14. LD tubing to 1630'.
15. **Plug #4, 1630'-1530' (Chacra Top: 1580')** Mix 18 sxs of Class G cement (or equivalent) and pump a balance plug to cover the Chacra top. Pull up and reverse circulate tubing clean.



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Enduring Resources
Plug & Abandon Procedure
May 21, 2019

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Sec,T, R:	Sec 30 , T25N, 11W	Elevation:	GL: 6422'
Cnty/State:	San Juan, New Mexico		
Lat/Long:	36.3775711,-108.0383759	By:	Aztec Well Servicing

16. LD tubing to 1286'.
17. **Plug #5, 1286'-1140' (Pictured Cliffs Top: 1236'-Fruitland Top: 1190')** Mix 23 sxs of Class G cement (or equivalent) and pump a balance plug to cover the Pictured Cliffs and Fruitland tops. Pull up and reverse circulate tubing clean.
18. LD tubing to 760'.
19. **Plug #6, 760'- 460' (Kirtland Top: 710'-Ojo Alamo Top: 510')** Mix 35 sxs of Class G cement (or equivalent) and pump a balanced plug to cover Kirtland and Ojo Alamo tops.
20. LD tubing to 320'.
21. **Plug #7, 320'-0' (Surface Casing Shoe to 0')** Mix and pump 45 sxs of Class G cement (or equivalent) to good cement returns to surface.
22. ND BOP and cut off wellhead below surface casing flange per regulation. Top off w/cement if needed. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.



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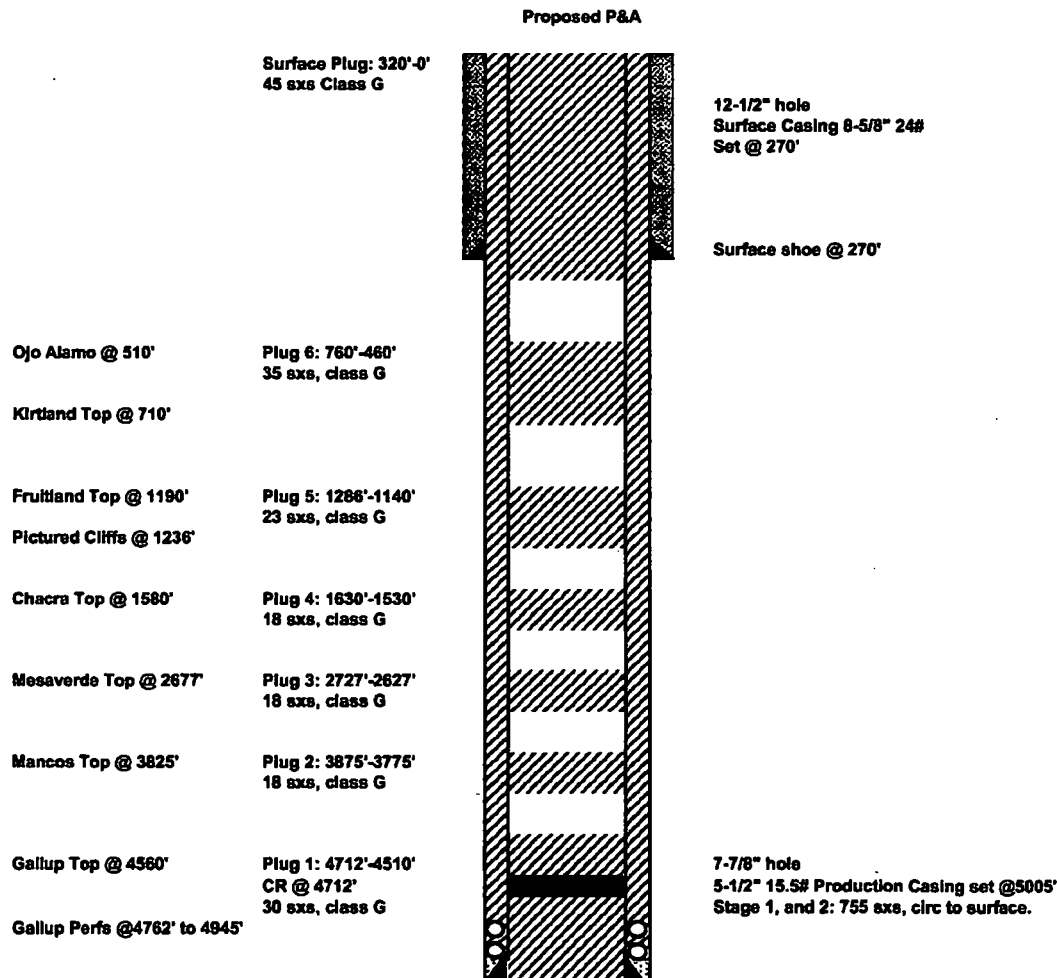


**Enduring Resources
Plug & Abandon Procedure
May 21, 2019**

Well: Bettin on Bisti 30 #1
Location: 660' FNL & 660' FEL
Sec,T, R: Sec 30 , T25N, 11W
Cnty/State: San Juan, New Mexico
Lat/Long: 36.3775711,-108.0383759

API: 30-45-27122
Field: Bisti lower Gallup
Elevation: GL: 6422'
By: Aztec Well Servicing

Bettin on Bisti 30 #1
Proposed P&A
Bisti Lower Gallup
SEC 30, T25N, R11W
API 30-045-27122
Procedure Date: 5/21/2019



**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: Bettin on Bisti 30 001

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. If casing fails pressure test, CBL required after setting CR from 4670' to surface to confirm cement. Submit electronic copy of the log for verification to the following addresses: jkillina@blm.gov and Brandon.Powell@state.nm.us . Based on CBL results inside/outside plugs and volumes will be adjusted accordingly. Please review the General Requirements document to ensure volumes meet required excess inside and outside casing.
4. Add additional volume to plug #6 to ensure 50' excess (approx. 41 sx total)

**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. (densometer/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 or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

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 H₂S.

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.