

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**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.*FORM APPROVED
Budget Bureau No. 1004-0135
Expires: November 30, 20005. Lease Serial No.
14-20-603-5034
6. If Indian, Allottee or Tribe Name
NAVAJO
7. If Unit or CA/Agreement, Name and/or No.8. Well Name and No.
NAVAJO TRIBAL "N" 89. API Well No.
30-045-1155810. Field and Pool, or Exploratory Area
TOCITO DOME PENN. "D"11. County or Parish, State
SAN JUAN, NEW MEXICO1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
ROBERT L. BAYLESS3. Address
PO Box 168, FARMINGTON, NM 874993b. Phone No. (include area code)
(505) 326-26594. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL & 1900' FWL SEC. 16, T26N, R18W

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 date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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.)

See attached procedure. We plan to complete this work by year-end.

Post-It® Fax Note 7671

Date	12/5	# of pages	4
To	Charlie		
From	Tom		
Co./Dept.	Co.		
Phone #	334-6178	Phone #	504-7801
Fax #	334-6170	Fax #	

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

Name (Printed/Typed)
Tom McCarthyTitle
ENGINEER

Signature

Date
11/27/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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 operation thereon.

Title

Date

Office

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

30-045-05883

- K. "GIF" stands for graphic interchange format.
 - L. "ISO" stands for international standardization organization.
 - M. "JPEG" stands for joint photographic experts group.
 - N. "MS" stands for microphotography standard.
 - O. "NISO" stands for national information standards organization.
 - P. "NIST" stands for national institute of standards and technology.
 - Q. "SRCA" stands for state records center and archives.
 - R. "TIFF" stands for tag image file format.
- [1.14.2.8 NMAC – N, 12-29-00]

1.14.2.9 MICROPHOTOGRAPHY SYSTEM APPROVAL.

- A. The state records administrator shall approve or disapprove in writing all microphotography system plans. No records shall be destroyed where an unapproved microphotography system is being used. Approval of a microphotography system plan shall be for five years, unless the system is modified (see 1.14.2.16D NMAC). Renewal of approval is contingent upon submission of a five year system review or an amended plan.
- B. Agencies shall request in writing the approval of new, modified and existing microphotography systems not previously approved, including but not limited to microfilm, COM and electronic imaging.
- C. A microphotography system plan shall be submitted with the request for approval and the system shall be approved before any paper records are replaced.

[7-29-96, 1-12-98; 1.14.2.9 NMAC – Rn, 1 NMAC 3.2.60.1.8 & A, 12-29-00]

1.14.2.10 STANDARD FOR MICROFILM.

To maintain the integrity of the original records and to ensure that the microfilm produced is an adequate substitute for the original record and serves the purpose for which such records were created and or maintained the following standard shall be adhered to:

- A. Microphotography program manager shall successfully complete the microphotography and records and information management training provided by the state records center.
- B. A microfilm system will be determined to meet the minimum standard of the New Mexico Commission of Public Records if the combined results of the consumable (i.e. film, chemicals, etc.) and equipment producing microfilm meet the standards developed and/or approved by the American National Standards Institute. (see 1.14.2.17 NMAC). The requirements of the most current revisions of said standard shall prevail unless otherwise specified in this rule.
- C. The microfilm shall be complete and contain all information shown on the original records.
- D. Documents from different record series may be filmed on a single roll provided destruction dates coincide.
- E. State agencies shall maintain an index for the purpose of tracking all records microfilmed.
- F. Methylene blue test.

- (1) Methylene blue test shall be conducted monthly.
- (2) Systems producing more than 10 rolls per week, shall maintain proof of biweekly test results.

- (3) Residual thiosulphate ion shall not exceed 1.4 micrograms per square centimeter as tested by the methylene blue test.
- (4) Test results shall be maintained for the retention period of the records on microfilm produced (until film is eligible for destruction).
- (5) Annual proof of methylene blue testing shall be submitted to the state records center and archives.
- G. Resolution. The required resolution for source document microfilm is based on filming a microcopy Test Chart.
- (1) Rotary cameras. A minimum resolving power of 2.5 shall be read on the required test chart.
- (2) Planetary cameras. A minimum resolving power of 4.0 shall be read on the required test chart.

PLUG AND ABANDONMENT PROCEDURE

September 28, 2001

Navajo Tribal N #8
Barker Creek
NE, Sec. 17, T-26-N, R-18-W
San Juan County, NM

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement is ASTM Type II, mixed at 15.6ppg with a yield of 1.18 cf/sx.

1. Install and test rig anchors. Prepare blow pit. Comply with all BLM, Navajo Nation and Bayless safety rules and regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Blow well down to earthen pit; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH with 198 joints 2-7/8" tubing, total 6322' and inspect. If necessary LD tubing and PU workstring. Round-trip 5-1/2" gauge ring to 6290'.
3. **Plug #1 (Barker Creek perforations and top, 6290' – 6190')**: Set 5-1/2" wireline CIBP or CR at 6290'. TIH with open-ended tubing and tag. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 18 sxs cement and spot a balanced plug inside casing above CIBP to isolate the Barker Creek perforations. PUH to 5610'.
4. **Plug #2 (Pennsylvanian top, 5610' – 5510')**: Mix 18 sxs cement and spot balanced plug inside casing to cover Penn top. PUH to 4385'.
5. **Plug #3 (Cutler top, 4385' – 4285')**: Mix 18 sxs cement and spot balanced plug inside casing to cover the Cutler top. PUH 3785'.
6. **Plug #4 (DeChelly top, 3785' – 3685')**: Mix 18 sxs cement and spot balanced plug inside casing to cover the DeChelly top. PUH to 2135'.
7. **Plug #5 (Chinle and Entrada, 2135' – 2028')**: Mix 18 sxs cement and spot balanced plug inside casing to cover through the Entrada top. PUH to 1560'.
8. **Plug #6 (8-5/8" casing shoe, 1560' – 1460')**: Mix 18 sxs cement and spot balanced plug inside casing to cover shoe top. PUH to 850'.
9. **Plug #7 (Dakota top, 850' – 750')**: Mix 18 sxs cement and spot balanced plug inside casing to cover the Dakota top. TOH and LD tubing.
10. **Plug #8 (13-3/8" surface casing, 144' - Surface)**: Pressure test the 5-1/2" x 8-5/8" annulus to 500#. Perforate 3 HSC squeeze holes at 144'. Establish rate out 8-5/8" casing valve. Mix and pump approximately 50 sxs cement down 5-1/2" casing to 144', circulate cement to surface. Shut in well and WOC.
11. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

(3) Resolution readings shall be determined by following the procedures for determining microfilm resolution as set forth in ANSI/AIIM MS23.

(4) The required test chart shall appear at the beginning and end of each roll.
H. Density maximum (Dmax). The required background transmission density (relative Dmax) for source document microfilm is based on filming a target consisting of a blank sheet of 20 lb white bond paper.

(1) Paper records dated prior to 1960, the relative Dmax shall read between .9 and 1.19.
(2) Paper records dated 1960 and after, the relative Dmax shall read between .85 and 1.29.
(3) Density targets shall appear at the beginning and end of each roll.
I. Density minimum (Dmin). The required base plus fog density (relative Dmin) for unexposed processed microfilms must not exceed 0.10.

J. Splicing and erasures. Roll form master negative microfilm shall have no splicing or erasures between certification statements, unless expungement of a particular image or images is authorized in writing by the custodial agency.
K. Statement of intent and purpose. A certification statement shall be filmed as the first and last document on the roll of film. For roll form microfilm, a statement of intent and purpose shall be filmed at the beginning and end of each roll of film.

L. Certification plaque for filmstrip form microfilm:
(1) A certification plaque shall be filmed at the beginning and end of each filmstrip.
(2) No splicing or erasures are allowed between the certification plaques, unless expungement of a particular image or images is authorized in writing by the custodial agency.
M. Each roll of source document microfilm shall be identified by a start of roll target and an end of roll target.

N. Master negative microfilm shall be submitted by state agencies or by vendors filming for agencies to the state records center for film inspection. Inspection shall consist of verification of the following:

(1) targets;
(2) indexing;
(3) labeling;
(4) status of program manager;
(5) density;
(6) resolution; and
(7) visual observation of major defects and errors.
O. Agencies may elect to have inspections performed by entities other than SRCA staff. If alternate inspection services are used, agencies shall have the prior written approval of the administrator. Inspections by alternate service are subject to audit by the state records center and archives staff at any time and shall comply with the standards set out in Subsection N of 1.14.2.10 NMAC. Noncompliance with standards shall result in the revocation of approval of the use of an alternate inspection service. Alternative services shall calibrate their densitometers to correspond to readings obtained by densitometers at the state records center.

P. Agencies shall inspect duplicate film for the following:
(1) major defects and errors;
(2) indexing accuracy;
(3) document accountability; and
(4) legibility.
Q. Microforms failing to pass inspection by the SRCA, alternate inspection service, or the agency shall be refilmed.
R. Disposition of originals.
(1) Prior to the final disposition of any microfilmed paper records, all requirements of this rule shall be met.
(2) Agencies shall submit a request for destruction which includes the following information:

(a) a statement that the records for destruction have been microfilmed;
(b) that the microfilm has been filmed in accordance to NIM microphotography standards;
(c) roll numbers;

12/05/01 WED 23:15 FAX 505 3266911

Robert L Bayless

Navajo Tribal N #8

Current

Barker Creek

NE, Section 17, T-26-N, R-18-W, San Juan County, NM

Today's Date: 9/28/01
 Spud:
 Completed:
 El: 5621' GL

17-1/4" hole

Dakota @ 600' *
 Estimate

11" hole

Entrada @ 2078'

Chinle @ 2085'

DeChelly @ 3735'

Cutler @ 4335'

Pennsylvanian @ 5560'

Barker Creek @ 6153'

13-3/16" Casing set @ 94, cement
 w/100 sxs, circ to surface

TOC 160', (Calc, 75%)

8-5/8" Casing set @ 1510'
 Cement with 500 sxs, circulated to surface

2-7/8" tubing @ 6322'
 (198 joints, no anchor)

OV Tool @ 3905'
 Cmt w/500 sxs (865 cf)

TOC @ 4355 (Calc, 75%)

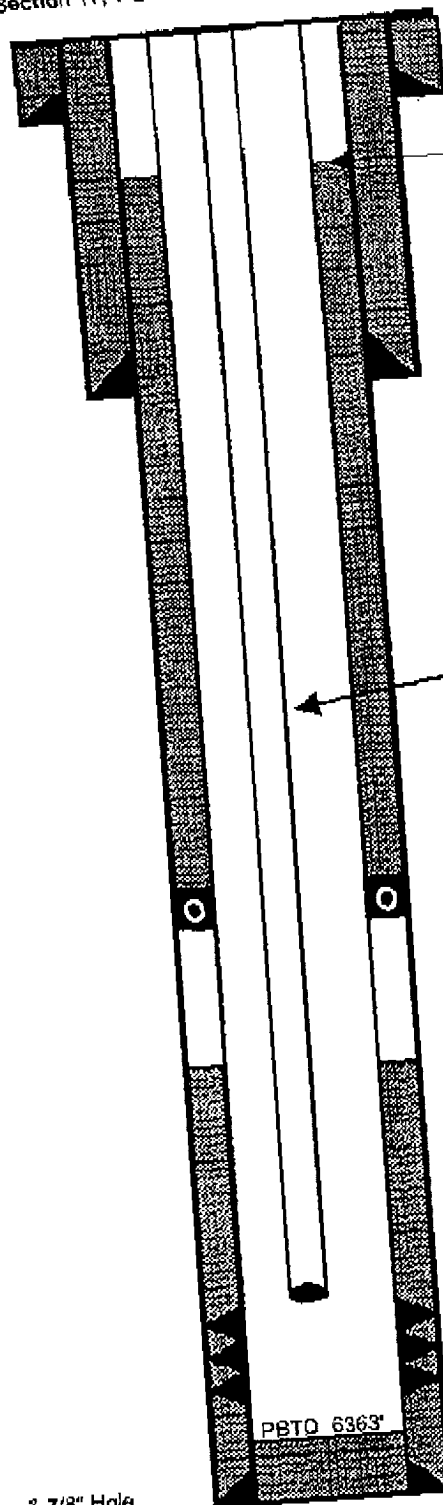
Barker Creek Perforations:
 6340' - 6345'

5-1/2" 14# Casing set @ 6363'
 Cmt with 200 sxs (484 cf)

7-7/8" Hole

PBD 6363'

TD 6365'



(d) record series; and
(e) shall be signed by the records custodian for destruction approval.
(3) Agencies not required to submit a request for destruction to the NM state records center shall maintain a certificate of record destruction, which meets the requirements of the Public Records Act. This certificate shall include:

(a) a statement that the records for destruction have been microfilmed;
(b) that the microfilm has been filmed in accordance to NM microphotography standards;

(c) roll numbers;
(d) record series; and
(e) shall be signed by the records custodian for destruction approval.
Labeling of all master microfilm roll containers shall include the following information:
(1) name and address of the custodial agency;
(2) date filmed;
(3) identification of the first and last document on the roll of film;
(4) records series names and corresponding records retention and disposition schedule item number;

(5) disposition trigger dates (i.e. date file closed, date contract terminated, etc.);
(6) name and address of the entity producing the roll of film; and
(7) roll number.
T. Microfilm targets. The following targets shall be used to be in compliance with this rule:
(1) Statement of intent and purpose. Statement of intent and purpose contains the following information:

(a) authority under which microfilming is being done;
(b) name of the agency for which the microfilming is being done;
(c) statement that the records microfilmed are the actual records of the agency, and that the records were created as part of the normal course of business;
(d) statement that it is the policy of the agency to microfilm specified records as part of the normal course of business, and (when applicable) that the backlog will be microfilmed as part of a conversion process to maintain a valid and cost efficient record keeping program;
(e) statement that it is the policy of the agency to microfilm specified records to maintain as the legal copy of record in lieu of paper, and that the paper records are destroyed after microfilming in accordance with all requirements of the Public Records Act; and
(f) name, title, and signature of microphotography program manager.
(2) Certification plaque:
(a) certification plaque A will be filmed on the first and last image of a filmstrip; and
(b) certification plaque B will be filmed on single image filmstrips, such as aperture cards

(3) Resolution target. An original chart shall be utilized for filming.
(4) Start of roll target. Start of roll target shall contain the following information:
(a) roll number;
(b) name of agency and office to which the records belong;
(c) record(s) or file(s) being microfilmed;
(d) date of filming;
(e) name of camera operator; and
(f) description of first record image on the roll of film.
(5) End of roll target. End of roll target shall contain the following information:
(a) roll number;
(b) name of agency and office to which the records belong;
(c) record(s) or file(s) being microfilmed;
(d) date of filming;
(e) name of camera operator; and
(f) description of last record image on the roll of film.

U. Microfilm image sequence and spacing. The following image sequence and spacing shall be used:
(1) Start of roll:

Navajo Tribal N #8**Proposed P&A**

Barker Creek

NE, Section 17, T-26-N, R-18-W, San Juan County, NM

Today's Date: 9/28/01

Spud:

Completed:

El: 5821' GL

17-1/4" hole

Dakota @ 800' *
Estimate

11" hole

Entrada @ 2078'

Chinle @ 2085'

DeChelly @ 3735'

Cutler @ 4335'

Pennsylvanian @ 5560'

Barker Creek @ 6153'

7-7/8" Hole

PBTD 6363'

TD 6365'

13-3/8" Casing set @ 94, cement
w/100 sxs, circ to surfacePerforate @ 144'
TOC 160', (Calc, 75%)**Plug #8 144' – Surface**
Cement with 50 sxs**Plug #7 850' – 750'**
Cement with 18 sxs8-5/8" Casing set @ 1510'
Cement with 500 sxs, circulated to surface**Plug #6 1560' – 1480'**
Cement with 18 sxs**Plug #5 2135' – 2028'**
Cement with 18 sxs**Plug #4 3785' – 3685'**
Cement with 18 sxsDV Tool @ 3905'
Cmt w/500 sxs (865 cf)TOC @ 4355' (Calc, 75%)
Plug #3 4385' – 4285'
Cement with 18 sxs**Plug #2 5610' – 5510'**
Cement with 18 sxs**Set CIBP @ 6290'**Barker Creek Perforations:
6340' – 6345'**Plug #1 6290' – 6190'**
Cement with 18 sxs5-1/2" 14# Casing set @ 6363'
Cmt with 200 sxs (464 cf)

- (a) film leader;
(b) statement of intent and purpose;
(c) resolution target;
(d) density target;
(e) start of roll target; and
(f) four spaces.
- (2) Record images. Source documents are to be filmed between the start and end of roll targets.
- (3) End of roll:
(a) four spaces;
(b) end of roll target;
(c) density target;
(d) resolution target;
(e) statement of intent and purpose; and
(f) film trailer.
- V. The agency shall maintain an index for the purpose of tracking all microphotography records. The index shall identify individual records by relevant use and criteria.
- (1) Indexing requirements will vary from agency to agency, and, within an agency document type by document type. An indexing schema shall take into consideration compliance with freedom of information laws. Indexing requirements include:
(a) Data elements required for search and retrieval shall be defined by each submitting agency for each record series. Access requirements of current and future end-users shall be considered.
- (b) Objective coding elements are those identifiers that do not require subjective assessment. Examples of objective coding elements include document date, document type, author, recipient, etc.
- (2) Indexing retrieval software. Where an automated index is selected, the software used to search the index and to display index records found shall address user interface issues.
[9-8-77, 5-27-79, 1-7-81, 1-13-82, 3-29-92, 4-6-92, 7-29-96, 8-24-96, 1-12-98; 1.14.2.10 NMAC - Rn, 1 NMAC 3.2.60.1.98 A, 12-29-00]
- 1.14.2.11 MICROFILM SYSTEM PLAN.** The microfilm system plan shall address each of the elements in this section.
- A. Purpose of the system.
B. Specific goals of the system.
C. System specifications.
D. Name of records to be microphotographed as identified in the records retention and disposition schedule.
E. Schema for indexing.
F. Method for disposition of records microfilmed.
G. Disposition plan for microfilm (masters and working copies) when legal retention has been met.
H. Off-site storage location of microfilm masters.
I. System implementation date.
J. Systems expected life span.
- [1.14.2.11 NMAC – N, 12-29-00]
- 1.14.2.12 STANDARD FOR COMPUTER OUTPUT MICROFILM (COM).** To maintain the integrity of the original records and to ensure that the COM produced is an adequate substitute for the original record and serves the purpose for which such records were created and or maintained, the following standard shall be adhered to:
- A. A COM system will be determined to meet the minimum standards of the New Mexico commission of public records if the combined results of the consumable (i.e. film, chemicals, etc.) and equipment producing COM meet the standards developed and or approved by the american national