

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 01 2018

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.

Farrington Field Office  
Bureau of Land Management

5. Lease Serial No.  
**Contract No. 126**

6. If Indian, Allottee, or Tribe Name  
**Jicarilla Apache Tribe**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2.**

1. Type of Well  
 Oil Well     Gas Well     Other

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

2. Name of Operator  
**Enervest Operating, LLC**

8. Well Name and No.  
**Apache No. 143**

3a. Address  
**1001 Fannin St., Suite 800 Houston, TX 77002-6707**

3b. Phone No. (include area code)  
**713-659-3500**

9. API Well No.  
**30-039-23662**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec. 22, T24N, R04W 3006' FNL 2171' FEL (UL G)**

10. Field and Pool, or Exploratory Area  
**Lindrih Gallup - Dakota West**

11. County or Parish, State  
**Rio Arriba, New Mexico**

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 Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 type="checkbox"/> Other _____
	<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 if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 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 (testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator h

**Enervest Operating, LLC respectfully requests authorization to plug and abandon this well.  
Please see attached Plug and Abandonment Procedure, Wellbore Diagrams and Site Reclamation Plan.**

Notify NMOCD 24 hrs  
prior to beginning  
operations

NMOCD

MAY 11 2018

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**Shelly Doescher** Title **Agent**

Signature *Shelly Doescher* Date **April 29, 2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *Sum N. Scott* Title **Supv MRS** Date **5/2/18**

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.

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 any department or agency of the United States or its officers or employees to issue, publish, disseminate, or otherwise make available any fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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## PLUG AND ABANDONMENT PROCEDURE

March 5, 2018

### Apache 126 #143

West Lindrith – Gallup Dakota

3006' FNL, 2171' FEL, Section 2, T24N, R4W, Rio Arriba County, New Mexico

API 30-039-23662 / Long \_\_\_\_\_ / \_\_\_\_\_

Note: All cement volumes use 100% excess outside pipe 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 G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes\_\_\_\_, No X, Unknown\_\_\_\_.  
Tubing: Yes X, No\_\_\_\_, Unknown\_\_\_\_, Size 2-3/8", Length 7594'.  
Packer: Yes\_\_\_\_, No X, Unknown\_\_\_\_, Type\_\_\_\_\_.
4. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
5. **Plug #1 (Dakota perforations and top, 7327' – 7227')**: R/T 4.5" gauge ring or mill to 7327'. RIH and set 4.5" CR at 7327'. Pressure test tubing to 1000#. Attempt to pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as necessary. Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to isolate the Dakota interval. PUH.
6. **Plug #2 (Gallup top, 6508' – 6408')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
7. **Plug #3 (Mancos and Mesaverde tops, 5509' – 4755')**: Mix and pump 63 sxs Class G cement and spot a balanced plug inside casing to cover the Mancos and Mesaverde tops. PUH.
8. **Plug #4 (Chacra top, 4074' – 3974')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Chacra top. PUH.
9. **Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3198' – 2415')**: Mix and pump 65 sxs Class G cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. TOH.

10. **Plug #6 (Nacimiento top, 1215' – 1115')**: Perforate 3 squeeze holes at 1215'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 1165'. Establish rate into squeeze holes. Mix and pump 52 sxs Class B cement, squeeze 40 sxs outside the casing and leave 12 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
11. **Plug #7 (8-5/8" Surface casing shoe, 450' - Surface)**: Perforate 4 squeeze holes at 450'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 145 sxs cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
12. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

# Apache 126 #143

Current  
West Lindrith – Gallup Dakota

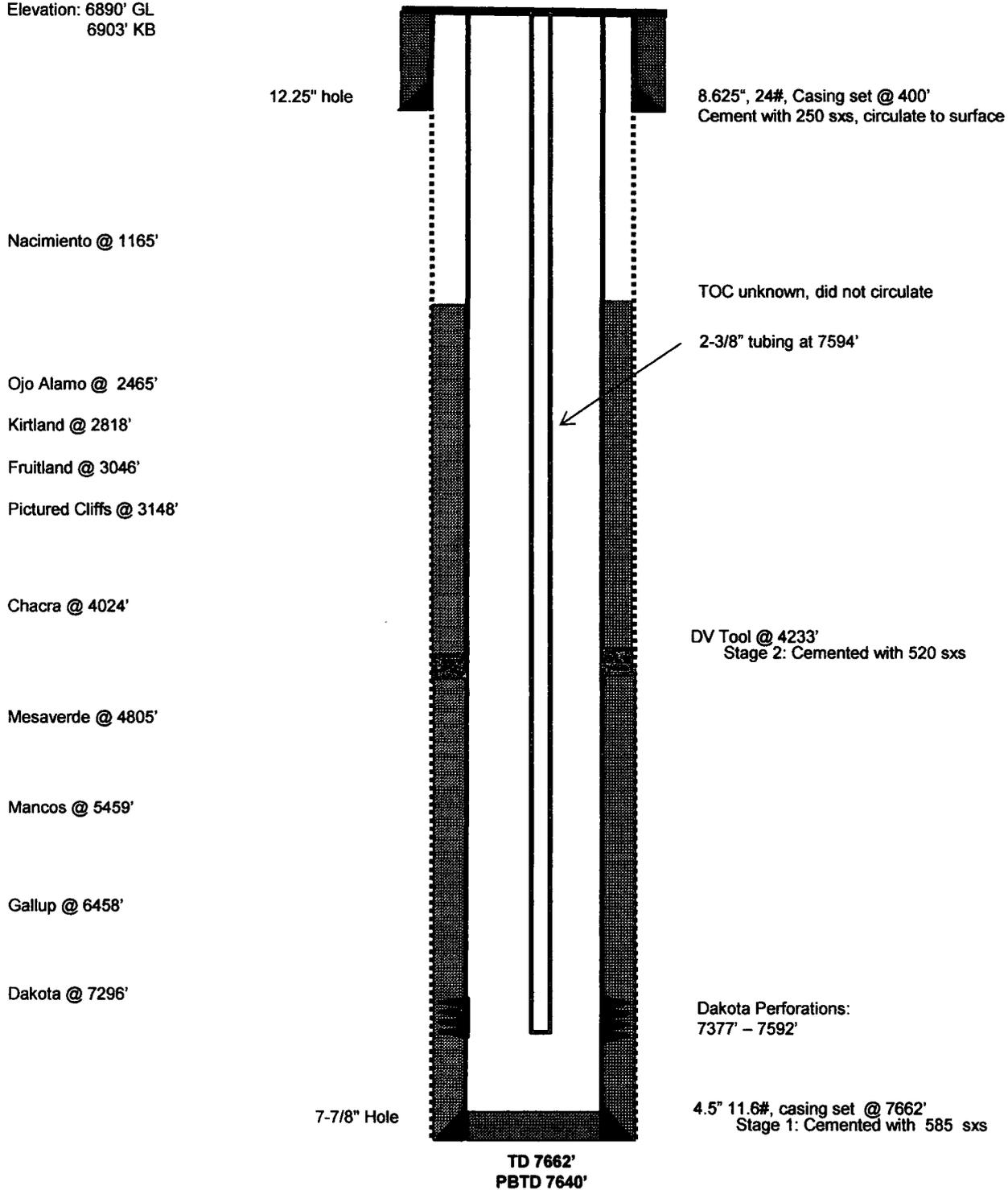
Today's Date: 3/5/18

3006' FNL, 2171' FEL, Section 2, T-24-N, R-4-W, Rio Arriba County, NM

Spud: 2/16/85  
Completion: 5/10/85

Lat: \_\_\_\_\_ N / Lat: \_\_\_\_\_ W, API #30-039-23662

Elevation: 6890' GL  
6903' KB



# Apache 126 #143

## Proposed P&A

### West Lindrith – Gallup Dakota

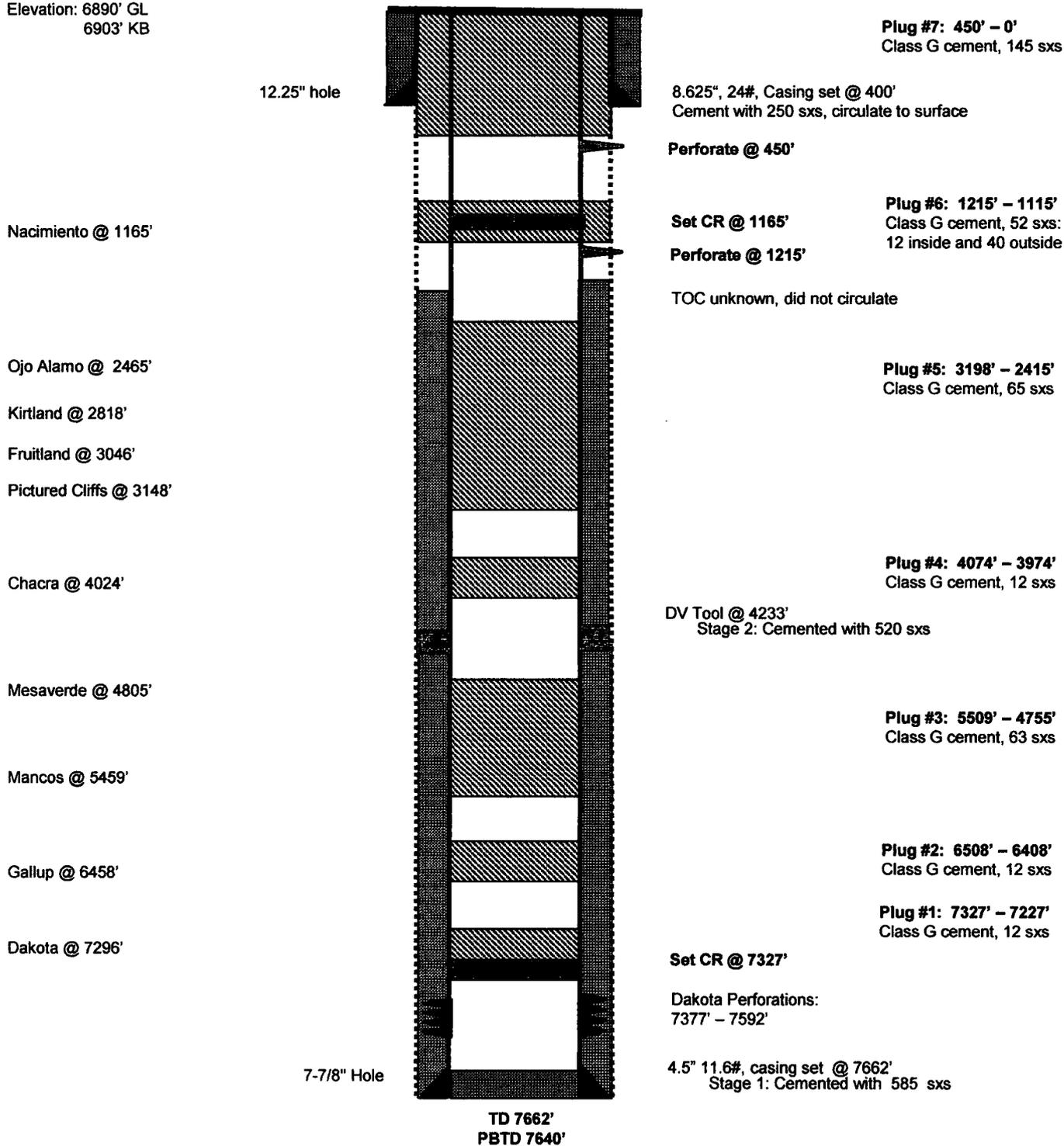
Today's Date: 3/5/18

3006' FNL, 2171' FEL, Section 2, T-24-N, R-4-W, Rio Arriba County, NM

Spud: 2/16/85  
Completion: 5/10/85

Lat: \_\_\_\_\_ N / Lat: \_\_\_\_\_ W, API #30-039-23662

Elevation: 6890' GL  
6903' KB



**Plug #7: 450' – 0'**  
Class G cement, 145 sxs

8.625", 24#, Casing set @ 400'  
Cement with 250 sxs, circulate to surface

Perforate @ 450'

**Plug #6: 1215' – 1115'**  
Class G cement, 52 sxs:  
12 inside and 40 outside

Set CR @ 1165'

Perforate @ 1215'

TOC unknown, did not circulate

**Plug #5: 3198' – 2415'**  
Class G cement, 65 sxs

**Plug #4: 4074' – 3974'**  
Class G cement, 12 sxs

DV Tool @ 4233'  
Stage 2: Cemented with 520 sxs

**Plug #3: 5509' – 4755'**  
Class G cement, 63 sxs

**Plug #2: 6508' – 6408'**  
Class G cement, 12 sxs

**Plug #1: 7327' – 7227'**  
Class G cement, 12 sxs

Set CR @ 7327'

Dakota Perforations:  
7377' – 7592'

4.5" 11.6#, casing set @ 7662'  
Stage 1: Cemented with 585 sxs

**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: Apache No. 143**

**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) Set Plug #3 (5562~~6~~ - 5462) ft. to cover the Mancos top. BLM picks top of Mancos at 5512 ft.**
- b) Set Plug #6 (1274 - 1174) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 1224 ft.**

**Operator must run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [tsalyers@blm.gov](mailto:tsalyers@blm.gov) [Brandon.Powell@state.nm.us](mailto: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.**

**NMOC**

**JUN 08 2018**

**DISTRICT III**