

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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MAR 20 2015

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

SUNDRY NOTICES AND REPORTS ON WELLS

Farmington Field Office abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM-0117074A
6. If Indian, Allottee, or Tribe Name

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well [ ] Oil Well [X] 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. Mills No. 001

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

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

9. API Well No. 30-045-05266

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FSL and 1650' FWL (UL K) Section 19, T25N, R09W

10. Field and Pool, or Exploratory Area Basin Dakota

11. County or Parish, State San Juan County, NM

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

Table with columns TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Acidize, Deepen, Production, Water Shut-Off, etc.

Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration...

EnerVest Operating, LLC proposes to plug and abandon this well.

P&A will commence prior to June 2015. The start and completion of this work is subject to changes due to rig availability, weather and road conditions.

Please see attached: P&A Procedure and WBDs Documentation on Pulling Below-Grade Tank Reclamation Plan.

OIL CONS. DIV DIST. 3

MAR 30 2015

Notify NMOCD 24 hrs prior to beginning operations

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

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Michelle Doescher Title Regulatory Consultant Date March /20/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy Salyers Title PE Date 3/25/2015 Office FFO

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 fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## PLUG AND ABANDONMENT PROCEDURE

January 15, 2015

### Mills #1

Basin Dakota

1650' FWL and 1650' FSL, Section 19, T25N, R9W  
San Juan County, New Mexico / API 30-045-05266  
Lat: N 36.3839161156656/Lat: W -107.833578225954

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 B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This well requires the use of 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 , Unknown   
Tubing: Yes , No , Unknown , Size 2.375" , Length 6460'  
Packer: Yes , No , Unknown , Type \_\_\_\_\_  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
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, 6387' – 6287')**: Round trip gauge ring or casing scraper to 6387', or as deep as possible. RIH and set 4.5" cement retainer at 6387'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 1000#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 12 sxs Class B cement inside casing from CIBP to isolate the Dakota interval. PUH.
6. **Plug #2 (Gallup top, 5430' – 5330')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. TOH.  

*See COA*
7. **Plug #3 (Mancos top, 4367' - 4267')**: Perforate squeeze holes at 4367'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 4317'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mancos top. TOH.  

*See COA*
8. **Plug #4 (Mesaverde top, 3468' – 3368')**: Perforate squeeze holes at 3468'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 3418'. Mix and pump 51 sxs

Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mesaverde top. TOH.

**See COA**

9. **Plug #5 (Chacra top, 2692' – 2592')**: Perforate squeeze holes at 2692'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 2642'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Chacra top. TOH.

**See COA**

10. **Plug #6 (Pictured Cliffs and Fruitland tops, 1934' – 1647')**: Perforate squeeze holes at 1934'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 1884'. Mix and pump 137 sxs Class B cement, squeeze 111 sxs outside 4.5" casing and leave 26 sxs inside casing to cover the Pictured Cliffs and Fruitland tops. TOH.

**See COA**

11. **Plug #7 (Kirtland and Ojo Alamo tops, 1317' – 1015')**: Perforate squeeze holes at 1317'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 1267'. Mix and pump 141 sxs Class B cement, squeeze 117 sxs outside 4.5" casing and leave 24 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH.

12. **Plug #8 (8-5/8" surface casing shoe, 373' - Surface)**: Perforate 3 squeeze holes at 372'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 125 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.

13. 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

# Mills #1

## Current

Basin Dakota

1650' FWL, 1650' FSL, Section 19, T-25-N, R-9-W

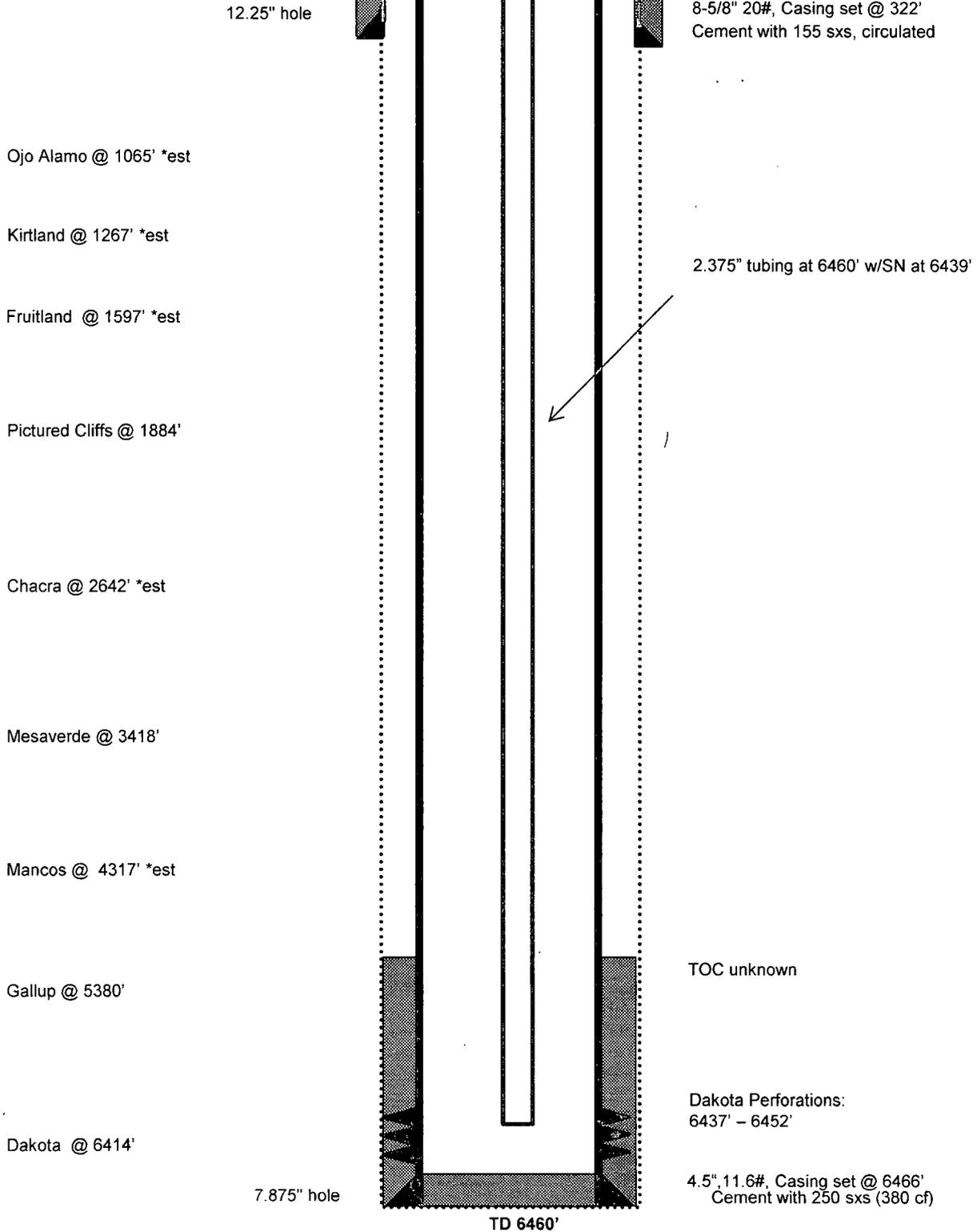
San Juan County, NM, API #30-045-05266

Today's Date: 1/12/15

Spud: 5/21/65

Completed: 6/8/65

Elevation: 6717' GI



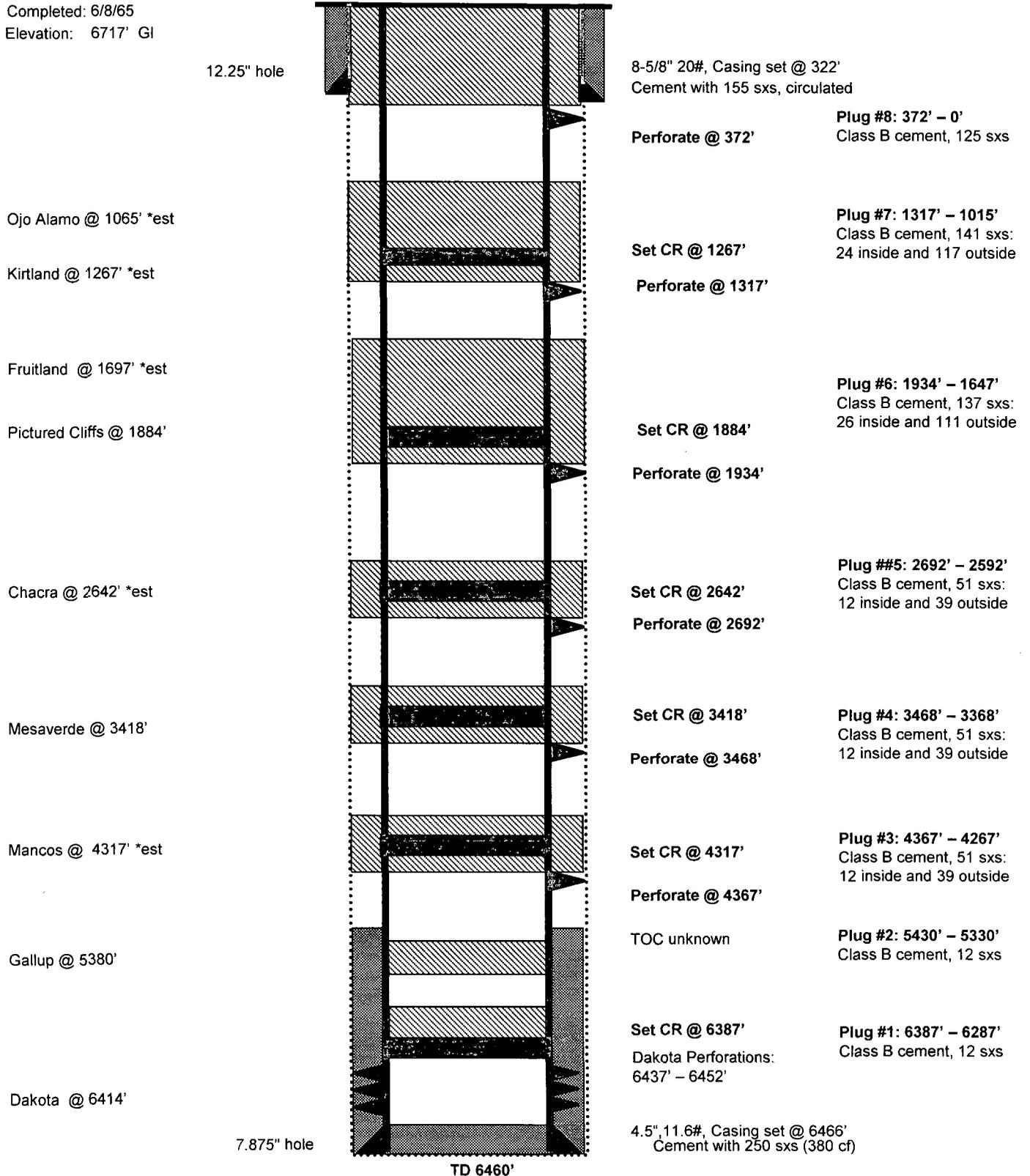
# Mills #1

## Proposed P&A

### Basin Dakota

1650' FSL, 1650' FSL, Section 19, T-25-N, R-9-W  
San Juan County, NM, API #30-045-05266

Today's Date: 1/12/15  
Spud: 5/21/65  
Completed: 6/8/65  
Elevation: 6717' GI



TD 6460'

**EnerVest Operating, LLC**

**MILLS #001**

**API #30-045-05266**

SHL: 1650' FSL, 1650' FWL, Unit K, Sec19, T25N, R09W  
Latitude: N36.3839161156656 Longitude: W-107.83357822595  
SAN JUAN COUNTY, NM

**Reclamation Plan**

**P&A**

Upon completion of the P&A, Enervest, LLC intends to return all disturbed areas as near to pre-disturbed conditions as reasonably practical. All surface production equipment, other than any utilized in common with adjacent wells, including flow lines will be removed. The well casing(s) will be cut off below surface and a permanent monument as specified in 43 CFR 3162.6(d) will be installed.

In accordance with Item J of the BLM SUPO requirements, the following actions shall be addressed:

1. No spoils are present on this site.
2. The topsoil that was removed from the well site location will be replaced and evenly redistributed over the disturbed surface.
3. No action is required to reshape the topography.
4. A low spot, as identified in the site inspection, will be backfilled.
5. Surface disturbances will be alleviated through even distribution of topsoil and re-vegetation.
6. See attached Pit Closure documents.
7. No action is necessary in relation to drainage systems.
8. Upon replacement, topsoil will be spread evenly over the area to be revegetated, and ripped to provide a seedbed.
9. The area will be reseeded with Sagebrush Community Seed.
10. No weeds requiring control were found on the site location.
11. Three existing roads, bordering the site location, will remain for access to other wells.

The reclamation of the disturbed area will commence within six months of the removal of the rig and associated equipment. This time estimate is subject to approval and possible change as may be required by the Bureau of Land Management and Conditions of Approval.

Anyone having questions concerning this Reclamation Plan should contact:

Shelly Doescher  
sdoescher@enervest.net  
505-320-5682

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: Mills #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.

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

- a) Set plug #3 (4630-4530) ft. inside/outside to cover the Mancos top. BLM picks top of Mancos at 4580 ft.
- b) Set a plug (2749-2649) ft. inside/outside to cover the Cliff House (La Ventana Ss) top. The Cliff House (La Ventana Ss) should be used as the top of the Mesaverde formation for plugging purposes. The Chacra plug (plug #5) is not required for the plugging of this wellbore.
- c) Bring the top of plug #6 to 1541 ft. inside/outside to cover the Pictured Cliffs and Fruitland tops. Adjust cement volume accordingly.
- d) Bring the top of plug #7 to 949 ft. inside/outside to cover the Kirtland and Ojo Alamo tops. Adjust cement volume accordingly.

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](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.