

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REGISTERED

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

MAR 06 2015

126

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

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

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

8. Well Name and No.

Apache No. 11

2. Name of Operator

Enervest Operating, LLC

9. API Well No.

30-039-20573

3a. Address

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

3b. Phone No. (include area code)

713-659-3500

10. Field and Pool, or Exploratory Area

So. Blanco P.C.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FSL and 790' FEL (UL P) Section 4, T24N, 4W

11. County or Parish, State

Rio Arriba County, NM

12. CHECK THE 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

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 c testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator h determined that the site is ready for final inspection.)

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.

A Closed-Loop System will be used for this operation. Attached are procedure and Wellbore Diagrams.

OIL CONS. DIV DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

MAR 19 2015

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

Michelle Doescher

Title

Regulatory Consultant

Signature

Michelle Doescher

Date

March /04/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salvors

Title PE

Date 3/16/2015

Conditions of approval, if any are attached. Approval of this notice does not warrant or c that the applicant holds legal or equitable title to those rights in the subject lease which w entitle the applicant to conduct operations thereon.

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

(Instructions on page 2)

NMOCD

KC

PLUG AND ABANDONMENT PROCEDURE

APACHE #11

February 19, 2015

South Blanco/Pictured Cliffs

790' FSL and 790' FEL, Section 2, T24N, R4W

Rio Arriba County, New Mexico / API 30-039-20573

Lat: N 36.33425/Lat: W -107.21815 (nad 27)

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 project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for 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 1.5", Length 3077'.
Packer: Yes ☐, No ☒, Unknown ☐, Type ☐.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
TOH and LD 1.5" tubing. PU 2-3/8" tubing workstring.

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.**

See CoA

5. **Plug #1 (Pictured Cliffs Interval, Fruitland, Kirtland and Ojo Alamo tops, 3022' – 2560'):** Round trip gauge ring or casing scraper to 3022', or as deep as possible. RIH and set 4.5" cement retainer at 3022'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 800#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 39 sxs Class B cement inside casing from CR to isolate the Pictured Cliffs Interval and through Ojo Alamo interval. TOH.

See CoA

6. **Plug #2 (Nacimiento top, 1125' – 1025'):** Perforate HSC squeeze holes at 1125'. Establish injection rate. RIH and set CR at 1075'. TIH with tubing and sting into CR. Establish rate. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing. PUH.
7. **Plug #3 (8.625" Surface casing shoe, 144' – 0'):** Perforate 3 squeeze holes at 144'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 50 sxs Class B cement and pump down the 4.5" casing to circulate good cement to surface. Shut in well and WOC.
8. 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 #11

Current

South Blanco Pictured Cliffs

790' FSL, 790' FEL, Section 2, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-20573

Lat 36.33425 / Long -107.21815 (nad 27)

Today's Date: 2/19/15

Spud: 1/13/73

Completed: 2/2/73

Elevation: 6858' GL
6868' KB

12.25" hole

8.625" 20#, Casing set @ 94'
Cement with 75 sxs, circulated to surface

Nacimiento @ 1075' *est

1.5" tubing at 3077'

TOC unknown, did not circulate

Ojo Alamo @ 2210'

Kirtland @ 2720'

Fruitland @ 2895'

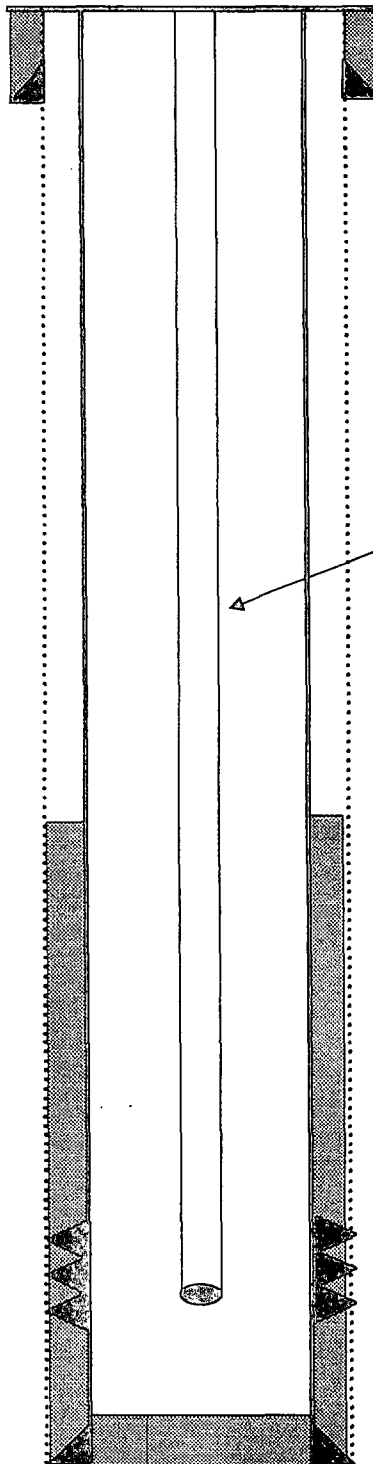
Pictured Cliffs @ 3043'

Pictured Cliffs Perforations:
3072' - 3078'; 3092' - 3100'

4.5", 9.5# K-55 Casing set @ 3161'
Cement with 100 sxs

7.875" hole

TD 3175'
PBSD 3124'



Apache #11

Proposed P&A

South Blanco Pictured Cliffs

790' FSL, 790' FEL, Section 2, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-20573

Lat 36.33425 / Long -107.21815 (nad 27)

Today's Date: 2/19/15

Spud: 1/13/73

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Nacimiento @ 1075' *est

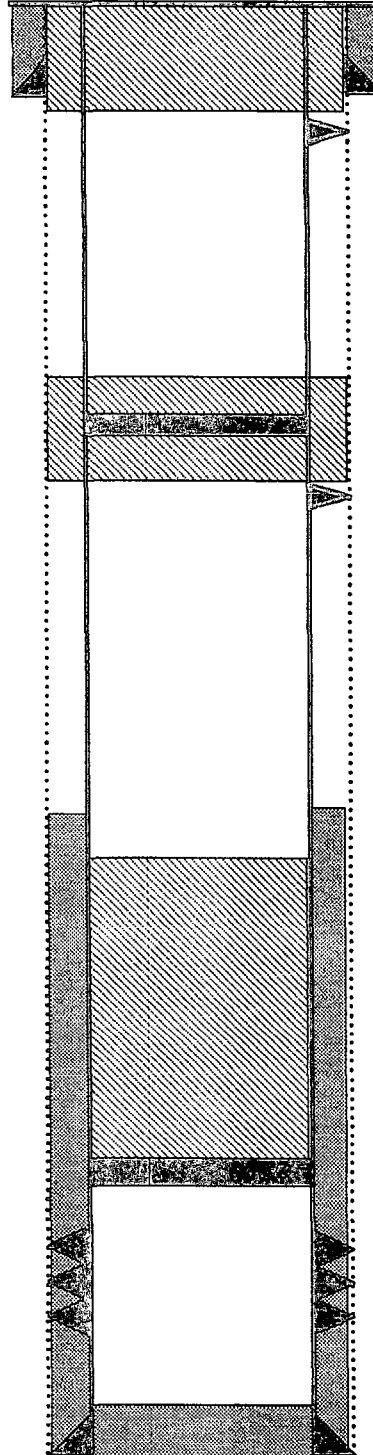
Ojo Alamo @ 2610'

Kirtland @ 2720'

Fruitland @ 2895'

Pictured Cliffs @ 3043'

7.875" hole



8.625" 20#, Casing set @ 94'
Cement with 75 sxs, circulated to surface

Perforate @ 144'

Plug #3: 144' - 0'
Class B Cement, 50 sxs

Set CR @ 1075'

See CoA
Plug #2: 1125' - 1025'
Class B Cement, 51 sxs:
39 outside and 12 inside

Perforate @ 1125'

TOC unknown, did not circulate

Set CR @ 3022'

Pictured Cliffs Perforations:
3072' - 3078'; 3092' - 3100'

4.5", 9.5#, K-55 Casing set @ 3161'
Cement with 100 sxs

TD 3175'
PBTD 3124'

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 #11

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. Bring the top of plug #1 to 2498 ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. Adjust cement volume accordingly
4. Set plug #2 to (1180-1080) ft. inside/outside to cover the Nacimiento formation top.

Operator will run a CBL from 3022 ft., or as deep as possible, to verify cement top. Outside plugs may be revised, based on CBL result. Submit electronic copy of the log for verification to the following BLM and NMOCD address: 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.